```
***This UCI file has two different sets of MASS-LINK blocks.
***The locations in Oklahoma has MASS-LINK blocks 21, 51, 11, and 31.
***In the IRW_base.uci file, the factors for these blocks are exactly same.
***Different ML factors will be used for locations in OK for the scenario
***comparisons.

*** This uci has Schematic block using NLCD 2011.
*** and uses a Point Source wdm file that uses 2015 (not 2009) data for all years
*** as well as using 2009 litter application data for all years
*** and has been extended back to start in 1992
***On Feb 6, 2018, Anurag added NACA PS and reduced Echo output level to decrease run time.
RUN

GLOBAL
  UCI Created by WinHSPF for IRW
  START       1992/01/01 00:00  END    2009/12/31 24:00
  RUN INTERP OUTPT LEVELS    1    1
  RESUME     0 RUN     1                        UNITS    1
END GLOBAL

FILES
<FILE>  <UN#>***<----FILE NAME------------------------------------------------>
MESSU      24   C:\Temp\IRW.ech
         91   C:\Temp\IRW.out
         93   C:\Temp\IRW_PERLND.out
WDM1       25   IRW_base.wdm
WDM2       26   WDM_Input\IRW_MET.wdm
WDM3       27   WDM_Input\PointSource2015.wdm
WDM4       28   EFDC.wdm
BINO       92   C:\Temp\IRW_PERLND.hbn
BINO       95   C:\Temp\IRW_IMPLND.hbn
BINO       94   C:\Temp\IRW_RCHRES.hbn
END FILES

OPN SEQUENCE
   INGRP            INDELT 01:00
     PERLND      21
     PERLND      22
     PERLND      23
     PERLND      24
     PERLND      25
     PERLND      26
     PERLND      27
     PERLND      28
     PERLND      29
     PERLND      30
     PERLND      32
     IMPLND      26
     IMPLND      27
     IMPLND      28

     PERLND      41
     PERLND      42
     PERLND      43
     PERLND      44
     PERLND      45
```

PERLND 46
PERLND 47
PERLND 48
PERLND 49
PERLND 50
PERLND 52
IMPLND 46
IMPLND 47
IMPLND 48

PERLND 61
PERLND 62
PERLND 63
PERLND 64
PERLND 65
PERLND 66
PERLND 67
PERLND 68
PERLND 69
PERLND 70
PERLND 72
IMPLND 66
IMPLND 67
IMPLND 68

PERLND 81
PERLND 82
PERLND 83
PERLND 84
PERLND 85
PERLND 86
PERLND 87
PERLND 88
PERLND 89
PERLND 90
PERLND 92
IMPLND 86
IMPLND 87
IMPLND 88

PERLND 101
PERLND 102
PERLND 103
PERLND 104
PERLND 105
PERLND 106
PERLND 107
PERLND 108
PERLND 109
PERLND 110
PERLND 112
IMPLND 106
IMPLND 107
IMPLND 108

PERLND 121

PERLND 122
PERLND 123
PERLND 124
PERLND 125
PERLND 126
PERLND 127
PERLND 128
PERLND 129
PERLND 130
PERLND 132
IMPLND 126
IMPLND 127
IMPLND 128

PERLND 141
PERLND 142
PERLND 143
PERLND 144
PERLND 145
PERLND 146
PERLND 147
PERLND 148
PERLND 149
PERLND 150
PERLND 152
IMPLND 146
IMPLND 147
IMPLND 148

PERLND 161
PERLND 162
PERLND 163
PERLND 164
PERLND 165
PERLND 166
PERLND 167
PERLND 168
PERLND 169
PERLND 170
PERLND 172
IMPLND 166
IMPLND 167
IMPLND 168

PERLND 181
PERLND 182
PERLND 183
PERLND 184
PERLND 185
PERLND 186
PERLND 187
PERLND 188
PERLND 189
PERLND 190
PERLND 192
IMPLND 186

IMPLND 187
IMPLND 188

PERLND 201
PERLND 202
PERLND 203
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PERLND 206
PERLND 207
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PERLND 209
PERLND 210
PERLND 212
IMPLND 206
IMPLND 207
IMPLND 208

PERLND 221
PERLND 222
PERLND 223
PERLND 224
PERLND 225
PERLND 226
PERLND 227
PERLND 228
PERLND 229
PERLND 230
PERLND 232
IMPLND 226
IMPLND 227
IMPLND 228

PERLND 241
PERLND 242
PERLND 243
PERLND 244
PERLND 245
PERLND 246
PERLND 247
PERLND 248
PERLND 249
PERLND 250
PERLND 252
IMPLND 246
IMPLND 247
IMPLND 248

PERLND 261
PERLND 262
PERLND 263
PERLND 264
PERLND 265
PERLND 266
PERLND 267
PERLND 268

PERLND 269
PERLND 270
PERLND 272
IMPLND 266
IMPLND 267
IMPLND 268

PERLND 281
PERLND 282
PERLND 283
PERLND 284
PERLND 285
PERLND 286
PERLND 287
PERLND 288
PERLND 289
PERLND 290
PERLND 292
IMPLND 286
IMPLND 287
IMPLND 288

PERLND 321
PERLND 322
PERLND 323
PERLND 324
PERLND 325
PERLND 326
PERLND 327
PERLND 328
PERLND 329
PERLND 330
PERLND 332
IMPLND 326
IMPLND 327
IMPLND 328

PERLND 341
PERLND 342
PERLND 343
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PERLND 349
PERLND 350
PERLND 352
IMPLND 346
IMPLND 347
IMPLND 348

PERLND 361
PERLND 362
PERLND 363
PERLND 364

PERLND 365
PERLND 366
PERLND 367
PERLND 368
PERLND 369
PERLND 370
PERLND 372
IMPLND 366
IMPLND 367
IMPLND 368

PERLND 381
PERLND 382
PERLND 383
PERLND 384
PERLND 385
PERLND 386
PERLND 387
PERLND 388
PERLND 389
PERLND 390
PERLND 392
IMPLND 386
IMPLND 387
IMPLND 388

PERLND 401
PERLND 402
PERLND 403
PERLND 404
PERLND 405
PERLND 406
PERLND 407
PERLND 408
PERLND 409
PERLND 410
PERLND 412
IMPLND 406
IMPLND 407
IMPLND 408

PERLND 421
PERLND 422
PERLND 423
PERLND 424
PERLND 425
PERLND 426
PERLND 427
PERLND 428
PERLND 429
PERLND 430
PERLND 432
IMPLND 426
IMPLND 427
IMPLND 428

PERLND 441
PERLND 442
PERLND 443
PERLND 444
PERLND 445
PERLND 446
PERLND 447
PERLND 448
PERLND 449
PERLND 450
PERLND 452
IMPLND 446
IMPLND 447
IMPLND 448

PERLND 461
PERLND 462
PERLND 463
PERLND 464
PERLND 465
PERLND 466
PERLND 467
PERLND 468
PERLND 469
PERLND 470
PERLND 472
IMPLND 466
IMPLND 467
IMPLND 468

PERLND 481
PERLND 482
PERLND 483
PERLND 484
PERLND 485
PERLND 486
PERLND 487
PERLND 488
PERLND 489
PERLND 490
PERLND 492
IMPLND 486
IMPLND 487
IMPLND 488

PERLND 501
PERLND 502
PERLND 503
PERLND 504
PERLND 505
PERLND 506
PERLND 507
PERLND 508
PERLND 509
PERLND 510
PERLND 512

IMPLND 506
IMPLND 507
IMPLND 508

PERLND 521
PERLND 522
PERLND 523
PERLND 524
PERLND 525
PERLND 526
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PERLND 528
PERLND 529
PERLND 530
PERLND 532
IMPLND 526
IMPLND 527
IMPLND 528

PERLND 541
PERLND 542
PERLND 543
PERLND 544
PERLND 545
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PERLND 547
PERLND 548
PERLND 549
PERLND 550
PERLND 552
IMPLND 546
IMPLND 547
IMPLND 548

PERLND 301
PERLND 302
PERLND 303
PERLND 304
PERLND 305
PERLND 306
PERLND 307
PERLND 308
PERLND 309
PERLND 310
PERLND 312
IMPLND 306
IMPLND 307
IMPLND 308

PERLND 621
PERLND 622
PERLND 623
PERLND 624
PERLND 625
PERLND 626
PERLND 627

PERLND 628
PERLND 629
PERLND 630
PERLND 632
IMPLND 626
IMPLND 627
IMPLND 628

PERLND 561
PERLND 562
PERLND 563
PERLND 564
PERLND 565
PERLND 566
PERLND 567
PERLND 568
PERLND 569
PERLND 570
PERLND 572
IMPLND 566
IMPLND 567
IMPLND 568

PERLND 581
PERLND 582
PERLND 583
PERLND 584
PERLND 585
PERLND 586
PERLND 587
PERLND 588
PERLND 589
PERLND 590
PERLND 592
IMPLND 586
IMPLND 587
IMPLND 588

PERLND 641
PERLND 642
PERLND 643
PERLND 644
PERLND 645
PERLND 646
PERLND 647
PERLND 648
PERLND 649
PERLND 650
PERLND 652
IMPLND 646
IMPLND 647
IMPLND 648

PERLND 601
PERLND 602
PERLND 603

| | |
|---|---|
| PERLND | 604 |
| PERLND | 605 |
| PERLND | 606 |
| PERLND | 607 |
| PERLND | 608 |
| PERLND | 609 |
| PERLND | 610 |
| PERLND | 612 |
| IMPLND | 606 |
| IMPLND | 607 |
| IMPLND | 608 |

| | |
|---|---|
| PERLND | 661 |
| PERLND | 662 |
| PERLND | 663 |
| PERLND | 664 |
| PERLND | 665 |
| PERLND | 666 |
| PERLND | 667 |
| PERLND | 668 |
| PERLND | 669 |
| PERLND | 670 |
| PERLND | 672 |
| IMPLND | 666 |
| IMPLND | 667 |
| IMPLND | 668 |

| | |
|---|---|
| RCHRES | 100 |
| RCHRES | 714 |
| RCHRES | 702 |
| RCHRES | 716 |
| RCHRES | 412 |
| RCHRES | 608 |
| RCHRES | 728 |
| RCHRES | 402 |
| RCHRES | 108 |
| RCHRES | 609 |
| RCHRES | 602 |
| RCHRES | 604 |
| RCHRES | 204 |
| RCHRES | 208 |
| RCHRES | 102 |
| RCHRES | 638 |
| RCHRES | 318 |
| RCHRES | 214 |
| RCHRES | 202 |
| RCHRES | 306 |
| RCHRES | 901 |
| RCHRES | 718 |
| RCHRES | 703 |
| RCHRES | 404 |
| RCHRES | 723 |
| RCHRES | 502 |
| RCHRES | 302 |
| RCHRES | 312 |
| RCHRES | 322 |

```
    RCHRES    514
    RCHRES    314
    RCHRES    916
    RCHRES    902
    RCHRES    804
    RCHRES    904
    RCHRES    504
    RCHRES    308
    RCHRES    738
    RCHRES    806
    RCHRES    732
    RCHRES    515
    RCHRES    742
    RCHRES    802
    RCHRES    505
***     RCHRES     918  This is a dummy reach
    RCHRES    304
    RCHRES    316
    RCHRES    324
    RCHRES    938
    RCHRES    805
    RCHRES    414
    RCHRES    606
    RCHRES    326
    RCHRES    206
    RCHRES    212
    RCHRES    722
    RCHRES    807
    RCHRES    906
    RCHRES    704
    RCHRES    705
    RCHRES    908
    RCHRES    612
    RCHRES    516
    RCHRES    706
    RCHRES    725
    RCHRES    216
    RCHRES    418
    RCHRES    420
    RCHRES    614
    RCHRES    406
    RCHRES    408
    RCHRES    416
    RCHRES    508
    RCHRES    110
    RCHRES    506
    RCHRES    507
    RCHRES    512
    RCHRES    639
    RCHRES    120
    RCHRES    708
    RCHRES    518
    RCHRES    522
    RCHRES    523
    RCHRES    712
    RCHRES    924
```

```
    RCHRES    912
    RCHRES    724
    RCHRES    726
    RCHRES    736
    RCHRES    746
    RCHRES    130
    RCHRES    101
    RCHRES    104
    RCHRES    140
    RCHRES    150
    RCHRES    160
    RCHRES    600
    RCHRES    610
    RCHRES    524
    RCHRES    620
    RCHRES    630
***    RCHRES    928 This is a dummy reach
    RCHRES    635
    RCHRES    637
    RCHRES    640
    RCHRES    650
***    RCHRES    932 This is a dummy reach
***    RCHRES    942 This is a dummy reach
***    RCHRES    946 This is a dummy reach
***    RCHRES    948 This is a dummy reach
    RCHRES    922
    RCHRES    936
    RCHRES    808
    RCHRES    660
    RCHRES    670
    RCHRES    800
    RCHRES    810
    RCHRES    820
    RCHRES    830
    RCHRES    748
    RCHRES    751
    RCHRES    752
    RCHRES    809
    RCHRES    840
    RCHRES    850
    RCHRES    914
    RCHRES    860
    RCHRES    870
    RCHRES    880
    RCHRES    890
    RCHRES    900
***    COPY       1
***    COPY       2
***    COPY       3
***    COPY       4
***    COPY       5
***    COPY       6
***    COPY       7
***    COPY       8
***    COPY       9
***    COPY      10
```

```
***     COPY       11
    COPY      100
    COPY      900
    COPY      914
    COPY      928
    COPY      918
    COPY      924
    COPY      932
    COPY      942
    COPY      948
    COPY      946
***GENER 800 is to get the composite concentration of 900, 914 and 916
***COPY 800 will be used to sum the flows and concentrations
    COPY      800
    GENER     800
  END INGRP
END OPN SEQUENCE

PERLND
  ACTIVITY
*** <PLS >              Active Sections                          ***
*** x -  x ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
  21       1   0   1   1   1   1   1   0   0   0   0   0
  22  24   1   0   1   1   1   1   0   1   0   1   1   0
  25  30   1   0   1   1   1   1   1   0   0   0   0   0
  32       1   0   1   1   1   1   0   1   0   1   1   0

  41       1   0   1   1   1   1   1   0   0   0   0   0
  42  44   1   0   1   1   1   1   0   1   0   1   1   0
  45  50   1   0   1   1   1   1   1   0   0   0   0   0
  52       1   0   1   1   1   1   0   1   0   1   1   0

  61       1   0   1   1   1   1   1   0   0   0   0   0
  62  64   1   0   1   1   1   1   0   1   0   1   1   0
  65  70   1   0   1   1   1   1   1   0   0   0   0   0
  72       1   0   1   1   1   1   0   1   0   1   1   0

  81       1   0   1   1   1   1   1   0   0   0   0   0
  82  84   1   0   1   1   1   1   0   1   0   1   1   0
  85  90   1   0   1   1   1   1   1   0   0   0   0   0
  92       1   0   1   1   1   1   0   1   0   1   1   0

 101       1   0   1   1   1   1   1   0   0   0   0   0
 102 104   1   0   1   1   1   1   0   1   0   1   1   0
 105 110   1   0   1   1   1   1   1   0   0   0   0   0
 112       1   0   1   1   1   1   0   1   0   1   1   0

 121       1   0   1   1   1   1   1   0   0   0   0   0
 122 124   1   0   1   1   1   1   0   1   0   1   1   0
 125 130   1   0   1   1   1   1   1   0   0   0   0   0
 132       1   0   1   1   1   1   0   1   0   1   1   0

 141       1   0   1   1   1   1   1   0   0   0   0   0
 142 144   1   0   1   1   1   1   0   1   0   1   1   0
 145 150   1   0   1   1   1   1   1   0   0   0   0   0
 152       1   0   1   1   1   1   0   1   0   1   1   0
```

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 161 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 162 | 164 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 165 | 170 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 172 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 181 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 182 | 184 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 185 | 190 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 192 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 201 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 202 | 204 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 205 | 210 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 212 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 221 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 222 | 224 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 225 | 230 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 232 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 241 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 242 | 244 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 245 | 250 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 252 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 261 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 262 | 264 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 265 | 270 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 272 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 281 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 282 | 284 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 285 | 290 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 292 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 301 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 302 | 304 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 305 | 310 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 312 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 321 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 322 | 324 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 325 | 330 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 332 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 341 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 342 | 344 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 345 | 350 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 352 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 361 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 362 | 364 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 365 | 370 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 372 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 381 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 382 | 384 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 385 | 390 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 392 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 401 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 402 | 404 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 405 | 410 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 412 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 421 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 422 | 424 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 425 | 430 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 432 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 441 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 442 | 444 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 445 | 450 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 452 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 461 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 462 | 464 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 465 | 470 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 472 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 481 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 482 | 484 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 485 | 490 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 492 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 501 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 502 | 504 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 505 | 510 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 512 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 521 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 522 | 524 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 525 | 530 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 532 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 541 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 542 | 544 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 545 | 550 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 552 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 561 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 562 | 564 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 565 | 570 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 572 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 581 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 582 | 584 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 585 | 590 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 592 | | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 601 | | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

```
 602  604   1   0   1   1   1   1   0   1   0   1   1   0
 605  610   1   0   1   1   1   1   1   0   0   0   0   0
 612        1   0   1   1   1   1   0   1   0   1   1   0

 621        1   0   1   1   1   1   1   0   0   0   0   0
 622  624   1   0   1   1   1   1   0   1   0   1   1   0
 625  630   1   0   1   1   1   1   1   0   0   0   0   0
 632        1   0   1   1   1   1   0   1   0   1   1   0

 641        1   0   1   1   1   1   1   0   0   0   0   0
 642  644   1   0   1   1   1   1   0   1   0   1   1   0
 645  650   1   0   1   1   1   1   1   0   0   0   0   0
 652        1   0   1   1   1   1   0   1   0   1   1   0

 661        1   0   1   1   1   1   1   0   0   0   0   0
 662  664   1   0   1   1   1   1   0   1   0   1   1   0
 665  670   1   0   1   1   1   1   1   0   0   0   0   0
 672        1   0   1   1   1   1   0   1   0   1   1   0
 END ACTIVITY

 PRINT-INFO
*** < PLS>                    Print-flags                        PIVL  PYR
*** x  - x ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC
  21  672   6   6   6   6   6   6   6   6   6   6   6   6   1   12
 END PRINT-INFO

 BINARY-INFO
*** < PLS>              Binary Output Flags                        PIVL  PYR
*** x  - x ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC
  21  672   6   6   6   6   6   6   6   6   6   6   6   6   1   12
 END BINARY-INFO

 GEN-INFO
***          Name                 Unit-systems   Printer BinaryOut
*** <PLS >                          t-series Engl Metr Engl Metr
*** x -  x                         in  out
  21     Forest                      1    1   93    0   92    0
  22     Pasture1                     1    1   93    0   92    0
  23     Pasture2                     1    1   93    0   92    0
  24     Pasture3                     1    1   93    0   92    0
  25     Grass/Shrub/Barren              1    1   93    0   92    0
  26     Developed, Open                 1    1   93    0   92    0
  27     Developed, Low                 1    1   93    0   92    0
  28     Developed, Med/High              1    1   93    0   92    0
  29     Wetlands                     1    1   93    0   92    0
  30     Cropland                     1    1   93    0   92    0
  32     Pasture1-Litter                1    1   93    0   92    0
  41     Forest                      1    1   93    0   92    0
  42     Pasture1                     1    1   93    0   92    0
  43     Pasture2                     1    1   93    0   92    0
  44     Pasture3                     1    1   93    0   92    0
  45     Grass/Shrub/Barren              1    1   93    0   92    0
  46     Developed, Open                 1    1   93    0   92    0
  47     Developed, Low                 1    1   93    0   92    0
  48     Developed, Med/High              1    1   93    0   92    0
  49     Wetlands                     1    1   93    0   92    0
```

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 50 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 52 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 61 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 62 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 63 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 64 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 65 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 66 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 67 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 68 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 69 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 70 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 72 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 81 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 82 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 83 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 84 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 85 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 86 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 87 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 88 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 89 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 90 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 92 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 101 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 102 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 103 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 104 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 105 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 106 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 107 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 108 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 109 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 110 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 112 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 121 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 122 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 123 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 124 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
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| 126 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 127 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 128 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
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| 130 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 132 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 141 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 142 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 143 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 144 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 145 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 146 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 147 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 148 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 149 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 150 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 152 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 161 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 162 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 163 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 164 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 165 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 166 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 167 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 168 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 169 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 170 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
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| 181 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
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| 184 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 185 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 186 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
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| 188 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 189 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 190 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 192 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 201 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 202 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 203 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 204 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 205 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 206 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 207 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 208 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 209 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 210 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
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| 245 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 246 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
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| 249 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 250 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 252 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 261 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 262 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 263 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
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| 270 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
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| 286 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 287 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 288 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 289 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 290 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 292 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 301 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 302 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 303 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 304 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 305 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 306 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 307 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 308 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
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| 312 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
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| 322 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 323 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 324 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 325 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 326 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
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| 328 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
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| 330 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
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| 342 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
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| 350 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 362 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
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| 383 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 384 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
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| 386 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 387 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 388 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
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| 390 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 392 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 401 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 402 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 403 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 404 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 405 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 406 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 407 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 408 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 409 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 410 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 412 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 421 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 422 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 423 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 424 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 425 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 426 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 427 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 428 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 429 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 430 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 432 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 441 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 442 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 443 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 444 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 445 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 446 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 447 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 448 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 449 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 450 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 452 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 461 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 462 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 463 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 464 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 465 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 466 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 467 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 468 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 469 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 470 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 472 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 481 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 482 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 483 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 484 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 485 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 486 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 487 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 488 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 489 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 490 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 492 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 501 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 502 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 503 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 504 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 505 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 506 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 507 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 508 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 509 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 510 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 512 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 521 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 522 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 523 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 524 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 525 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
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| 527 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 528 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
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| 530 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
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| 550 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 552 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 561 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 562 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 563 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 564 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 565 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 566 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 567 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 568 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 569 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 570 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 572 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 581 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 582 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 583 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 584 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 585 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 586 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 587 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 588 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 589 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 590 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 592 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 601 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 602 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 603 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 604 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 605 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 606 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 607 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 608 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 609 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 610 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 612 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 621 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 622 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 623 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 624 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 625 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 626 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 627 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 628 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 629 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 630 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 632 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 641 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 642 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 643 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 644 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |
| 645 | Grass/Shrub/Barren | 1 | 1 | 93 | 0 | 92 | 0 |
| 646 | Developed, Open | 1 | 1 | 93 | 0 | 92 | 0 |
| 647 | Developed, Low | 1 | 1 | 93 | 0 | 92 | 0 |
| 648 | Developed, Med/High | 1 | 1 | 93 | 0 | 92 | 0 |
| 649 | Wetlands | 1 | 1 | 93 | 0 | 92 | 0 |
| 650 | Cropland | 1 | 1 | 93 | 0 | 92 | 0 |
| 652 | Pasture1-Litter | 1 | 1 | 93 | 0 | 92 | 0 |
| 661 | Forest | 1 | 1 | 93 | 0 | 92 | 0 |
| 662 | Pasture1 | 1 | 1 | 93 | 0 | 92 | 0 |
| 663 | Pasture2 | 1 | 1 | 93 | 0 | 92 | 0 |
| 664 | Pasture3 | 1 | 1 | 93 | 0 | 92 | 0 |

```
 665    Grass/Shrub/Barren          1   1   93   0   92   0
 666    Developed, Open             1   1   93   0   92   0
 667    Developed, Low              1   1   93   0   92   0
 668    Developed, Med/High         1   1   93   0   92   0
 669    Wetlands                    1   1   93   0   92   0
 670    Cropland                    1   1   93   0   92   0
 672    Pasture1-Litter             1   1   93   0   92   0
 END GEN-INFO

 ATEMP-DAT
*** <PLS >     ELDAT    AIRTEMP
*** x -  x      (ft)    (deg F)
  21          241.       40.
  22           53.       40.
  23          100.       40.
  24          136.       40.
  25          250.       40.
  26          160.       40.
  27           43.       40.
  28          -38.       40.
  29          -72.       40.
  30          299.       40.
  32           53.       40.
  41          297.       40.
  42          190.       40.
  43          302.       40.
  44          267.       40.
  45          301.       40.
  46          271.       40.
  47          332.       40.
  48          332.       40.
  49          -22.       40.
  50          -53.       40.
  52          190.       40.
  61          234.       40.
  62          103.       40.
  63          151.       40.
  64          192.       40.
  65          237.       40.
  66          145.       40.
  67          179.       40.
  68          258.       40.
  69          -95.       40.
  70          -95.       40.
  72          103.       40.
  81          -82.       40.
  82          -94.       40.
  83          -88.       40.
  84          -87.       40.
  85          -85.       40.
  86         -101.       40.
  87          -49.       40.
  88          -40.       40.
  89         -228.       40.
  90         -123.       40.
  92          -94.       40.
```

| | | |
|---|---|---|
| 101 | 140. | 40. |
| 102 | 71. | 40. |
| 103 | 129. | 40. |
| 104 | 141. | 40. |
| 105 | 168. | 40. |
| 106 | 144. | 40. |
| 107 | 234. | 40. |
| 108 | 267. | 40. |
| 109 | 153. | 40. |
| 110 | 38. | 40. |
| 112 | 71. | 40. |
| 121 | 152. | 40. |
| 122 | 70. | 40. |
| 123 | 118. | 40. |
| 124 | 139. | 40. |
| 125 | 184. | 40. |
| 126 | 114. | 40. |
| 127 | 208. | 40. |
| 128 | 217. | 40. |
| 129 | 19. | 40. |
| 130 | 229. | 40. |
| 132 | 70. | 40. |
| 141 | -100. | 40. |
| 142 | -35. | 40. |
| 143 | -41. | 40. |
| 144 | -63. | 40. |
| 145 | -87. | 40. |
| 146 | -93. | 40. |
| 147 | -40. | 40. |
| 148 | -16. | 40. |
| 149 | -212. | 40. |
| 150 | -61. | 40. |
| 152 | -35. | 40. |
| 161 | 48. | 40. |
| 162 | -53. | 40. |
| 163 | -25. | 40. |
| 164 | 6. | 40. |
| 165 | 42. | 40. |
| 166 | -28. | 40. |
| 167 | -21. | 40. |
| 168 | 18. | 40. |
| 169 | -122. | 40. |
| 170 | -88. | 40. |
| 172 | -53. | 40. |
| 181 | 62. | 40. |
| 182 | -88. | 40. |
| 183 | -75. | 40. |
| 184 | -75. | 40. |
| 185 | 2. | 40. |
| 186 | -69. | 40. |
| 187 | -48. | 40. |
| 188 | -38. | 40. |
| 189 | -157. | 40. |
| 190 | -39. | 40. |
| 192 | -88. | 40. |
| 201 | 64. | 40. |

| | | |
|---|---|---|
| 202 | -37. | 40. |
| 203 | -25. | 40. |
| 204 | -28. | 40. |
| 205 | 16. | 40. |
| 206 | -2.7 | 40. |
| 207 | 18. | 40. |
| 208 | 18. | 40. |
| 209 | 20. | 40. |
| 210 | 231. | 40. |
| 212 | -37. | 40. |
| 221 | 32. | 40. |
| 222 | -42. | 40. |
| 223 | -22. | 40. |
| 224 | -53. | 40. |
| 225 | 6. | 40. |
| 226 | -38. | 40. |
| 227 | -21. | 40. |
| 228 | 234. | 40. |
| 229 | -8. | 40. |
| 230 | -34. | 40. |
| 232 | -42. | 40. |
| 241 | -15. | 40. |
| 242 | 12. | 40. |
| 243 | 16. | 40. |
| 244 | 10. | 40. |
| 245 | 7. | 40. |
| 246 | 24. | 40. |
| 247 | 37. | 40. |
| 248 | 44. | 40. |
| 249 | -43. | 40. |
| 250 | 5. | 40. |
| 252 | 12. | 40. |
| 261 | -72. | 40. |
| 262 | -40. | 40. |
| 263 | -29. | 40. |
| 264 | -35. | 40. |
| 265 | -61. | 40. |
| 266 | -42. | 40. |
| 267 | 71. | 40. |
| 268 | 56. | 40. |
| 269 | -226. | 40. |
| 270 | -226. | 40. |
| 272 | -40. | 40. |
| 281 | -12. | 40. |
| 282 | -112. | 40. |
| 283 | -68. | 40. |
| 284 | -70. | 40. |
| 285 | -21. | 40. |
| 286 | -53. | 40. |
| 287 | -136. | 40. |
| 288 | -139. | 40. |
| 289 | -177. | 40. |
| 290 | 154. | 40. |
| 292 | -112. | 40. |
| 301 | -115. | 40. |
| 302 | -132. | 40. |

| | | |
|---|---|---|
| 303 | -110. | 40. |
| 304 | -106. | 40. |
| 305 | -139. | 40. |
| 306 | -102. | 40. |
| 307 | -47. | 40. |
| 308 | -43. | 40. |
| 309 | -255. | 40. |
| 310 | -61. | 40. |
| 312 | -132. | 40. |
| 321 | -81. | 40. |
| 322 | -92. | 40. |
| 323 | -99. | 40. |
| 324 | -122. | 40. |
| 325 | -85. | 40. |
| 326 | -142. | 40. |
| 327 | -221. | 40. |
| 328 | -258. | 40. |
| 329 | -336. | 40. |
| 330 | -214. | 40. |
| 332 | -92. | 40. |
| 341 | -35. | 40. |
| 342 | -51. | 40. |
| 343 | -50. | 40. |
| 344 | -53. | 40. |
| 345 | -52. | 40. |
| 346 | -34. | 40. |
| 347 | -22. | 40. |
| 348 | -20. | 40. |
| 349 | -86. | 40. |
| 350 | -1. | 40. |
| 352 | -51. | 40. |
| 361 | 100. | 40. |
| 362 | 18. | 40. |
| 363 | 89. | 40. |
| 364 | 90. | 40. |
| 365 | 69. | 40. |
| 366 | 99. | 40. |
| 367 | 63. | 40. |
| 368 | 10. | 40. |
| 369 | 37. | 40. |
| 370 | -75. | 40. |
| 372 | 18. | 40. |
| 381 | 53. | 40. |
| 382 | 74. | 40. |
| 383 | 69. | 40. |
| 384 | 57. | 40. |
| 385 | 46. | 40. |
| 386 | 83. | 40. |
| 387 | 105. | 40. |
| 388 | 111. | 40. |
| 389 | 47. | 40. |
| 390 | 65. | 40. |
| 392 | 74. | 40. |
| 401 | 61. | 40. |
| 402 | -8. | 40. |
| 403 | 13. | 40. |

| | | |
|---|---|---|
| 404 | 9. | 40. |
| 405 | 30. | 40. |
| 406 | -14. | 40. |
| 407 | -60. | 40. |
| 408 | -60. | 40. |
| 409 | -185. | 40. |
| 410 | 285. | 40. |
| 412 | -8. | 40. |
| 421 | 148. | 40. |
| 422 | -32. | 40. |
| 423 | 48. | 40. |
| 424 | 114. | 40. |
| 425 | 121. | 40. |
| 426 | 30. | 40. |
| 427 | -63. | 40. |
| 428 | -77. | 40. |
| 429 | -112. | 40. |
| 430 | -112. | 40. |
| 432 | -32. | 40. |
| 441 | 68. | 40. |
| 442 | 69. | 40. |
| 443 | 86. | 40. |
| 444 | 99. | 40. |
| 445 | 33. | 40. |
| 446 | 57. | 40. |
| 447 | 9. | 40. |
| 448 | 27. | 40. |
| 449 | -77. | 40. |
| 450 | 13. | 40. |
| 452 | 69. | 40. |
| 461 | 10. | 40. |
| 462 | 41. | 40. |
| 463 | 38. | 40. |
| 464 | 23. | 40. |
| 465 | 44. | 40. |
| 466 | 67. | 40. |
| 467 | 95. | 40. |
| 468 | 93. | 40. |
| 469 | -43. | 40. |
| 470 | 84. | 40. |
| 472 | 41. | 40. |
| 481 | 13. | 40. |
| 482 | 45. | 40. |
| 483 | 44. | 40. |
| 484 | 32. | 40. |
| 485 | 48. | 40. |
| 486 | 45. | 40. |
| 487 | 51. | 40. |
| 488 | 57. | 40. |
| 489 | -5. | 40. |
| 490 | 36. | 40. |
| 492 | 45. | 40. |
| 501 | -58. | 40. |
| 502 | -11. | 40. |
| 503 | -18. | 40. |
| 504 | -35. | 40. |

| | | |
|---|---|---|
| 505 | -28. | 40. |
| 506 | 5. | 40. |
| 507 | 57. | 40. |
| 508 | 47. | 40. |
| 509 | -210. | 40. |
| 510 | -210. | 40. |
| 512 | -11. | 40. |
| 521 | -105. | 40. |
| 522 | -31. | 40. |
| 523 | -43. | 40. |
| 524 | -46. | 40. |
| 525 | -94. | 40. |
| 526 | -54. | 40. |
| 527 | -51. | 40. |
| 528 | -43. | 40. |
| 529 | -104. | 40. |
| 530 | -32. | 40. |
| 532 | -31. | 40. |
| 541 | -30. | 40. |
| 542 | -20. | 40. |
| 543 | -17. | 40. |
| 544 | -39. | 40. |
| 545 | -43. | 40. |
| 546 | -64. | 40. |
| 547 | -134. | 40. |
| 548 | -147. | 40. |
| 549 | -206. | 40. |
| 550 | 24. | 40. |
| 552 | -20. | 40. |
| 561 | -156. | 40. |
| 562 | -160. | 40. |
| 563 | -162. | 40. |
| 564 | -177. | 40. |
| 565 | -146. | 40. |
| 566 | -169. | 40. |
| 567 | -164. | 40. |
| 568 | -192. | 40. |
| 569 | -357. | 40. |
| 570 | -70. | 40. |
| 572 | -160. | 40. |
| 581 | -10. | 40. |
| 582 | 9. | 40. |
| 583 | 12. | 40. |
| 584 | 9. | 40. |
| 585 | -22. | 40. |
| 586 | 1. | 40. |
| 587 | -6. | 40. |
| 588 | -1. | 40. |
| 589 | -170. | 40. |
| 590 | 79. | 40. |
| 592 | 9. | 40. |
| 601 | -48. | 40. |
| 602 | -20. | 40. |
| 603 | -12. | 40. |
| 604 | 11. | 40. |
| 605 | -77. | 40. |

```
  606          -11.       40.
  607           30.       40.
  608           14.       40.
  609         -139.       40.
  610          -11.       40.
  612          -20.       40.
  621          -44.       40.
  622         -129.       40.
  623          -98.       40.
  624          -87.       40.
  625          -39.       40.
  626         -116.       40.
  627         -135.       40.
  628         -147.       40.
  629         -250.       40.
  630         -205.       40.
  632         -129.       40.
  641          229.       40.
  642          225.       40.
  643          278.       40.
  644          217.       40.
  645          249.       40.
  646          217.       40.
  647          190.       40.
  648          295.       40.
  649           30.       40.
  650           30.       40.
  652          225.       40.
  661          134.       40.
  662          -12.       40.
  663           38.       40.
  664           57.       40.
  665          137.       40.
  666           34.       40.
  667          -49.       40.
  668          -42.       40.
  669         -118.       40.
  670          -55.       40.
  672          -12.       40.
  END ATEMP-DAT

  PWAT-PARM1
*** <PLS >                  Flags
*** x -  x CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE IFFC  HWT IRRG IFRD
   21  672    0    1    1    1    0    0    0    0    1    1    0    0    0
  END PWAT-PARM1

  PWAT-PARM2
*** < PLS>    FOREST      LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
*** x  - x              (in)   (in/hr)      (ft)             (1/in)   (1/day)
*** Met Seg PCP_18 21-30 (Mostly C soils with some B)
   21          0.75       7.2     0.09        200    0.1493       3.     0.992
   22            0.       5.8    0.065        350    0.0223       3.     0.980
   23            0.       5.8    0.065        300    0.0386       3.     0.980
   24            0.       5.8    0.065        250    0.0910       3.     0.980
   25          0.00       6.2     0.06        250    0.1057       3.     0.970
```

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | 0.00 | 5.0 | 0.04 | 250 | 0.0897 | 3. | 0.960 |
| 27 | 0.00 | 5.0 | 0.04 | 300 | 0.0542 | 3. | 0.960 |
| 28 | 0.00 | 5.0 | 0.04 | 300 | 0.0355 | 3. | 0.960 |
| 29 | 0.00 | 4.5 | 0.25 | 300 | 0.0363 | 3. | 0.995 |
| 30 | 0.00 | 5.5 | 0.05 | 250 | 0.1228 | 3. | 0.975 |
| 32 | 0. | 5.8 | 0.065 | 350 | 0.0223 | 3. | 0.980 |

*** Met Seg PCP_17 181-190 KARST

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 181 | 0.75 | 7.0 | 0.12 | 250 | 0.1362 | 3. | 0.992 |
| 182 | 0. | 5.5 | 0.08 | 400 | 0.0174 | 3. | 0.980 |
| 183 | 0. | 5.5 | 0.08 | 300 | 0.0338 | 3. | 0.980 |
| 184 | 0. | 5.5 | 0.08 | 300 | 0.0709 | 3. | 0.980 |
| 185 | 0.00 | 6.0 | 0.07 | 250 | 0.0806 | 3. | 0.970 |
| 186 | 0.00 | 5.0 | 0.04 | 300 | 0.0392 | 3. | 0.960 |
| 187 | 0.00 | 5.0 | 0.04 | 350 | 0.0254 | 3. | 0.960 |
| 188 | 0.00 | 5.0 | 0.04 | 350 | 0.0209 | 3. | 0.960 |
| 189 | 0.00 | 4.5 | 0.25 | 300 | 0.0402 | 3. | 0.995 |
| 190 | 0.00 | 5.5 | 0.05 | 400 | 0.0162 | 3. | 0.975 |
| 192 | 0. | 5.5 | 0.08 | 400 | 0.0174 | 3. | 0.980 |

*** Met Seg PCP_11 101-110 KARST (Partial)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 101 | 0.75 | 7.2 | 0.09 | 250 | 0.1184 | 5. | 0.992 |
| 102 | 0. | 5.8 | 0.06 | 400 | 0.0189 | 5. | 0.980 |
| 103 | 0. | 5.8 | 0.06 | 300 | 0.0346 | 5. | 0.980 |
| 104 | 0. | 5.8 | 0.06 | 300 | 0.0713 | 5. | 0.980 |
| 105 | 0.00 | 6.2 | 0.06 | 300 | 0.0645 | 5. | 0.970 |
| 106 | 0.00 | 5.0 | 0.04 | 300 | 0.0425 | 5. | 0.960 |
| 107 | 0.00 | 5.0 | 0.04 | 350 | 0.0265 | 5. | 0.960 |
| 108 | 0.00 | 5.0 | 0.04 | 400 | 0.0195 | 5. | 0.960 |
| 109 | 0.00 | 4.5 | 0.25 | 350 | 0.0263 | 5. | 0.995 |
| 110 | 0.00 | 5.5 | 0.05 | 350 | 0.0222 | 5. | 0.975 |
| 112 | 0. | 5.8 | 0.06 | 400 | 0.0189 | 5. | 0.980 |

*** Met Seg PCP_15 421-430

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 421 | 0.75 | 7.2 | 0.09 | 250 | 0.1392 | 3. | 0.992 |
| 422 | 0. | 5.8 | 0.065 | 400 | 0.0192 | 3. | 0.980 |
| 423 | 0. | 5.8 | 0.065 | 300 | 0.0374 | 3. | 0.980 |
| 424 | 0. | 5.8 | 0.065 | 250 | 0.0816 | 3. | 0.980 |
| 425 | 0.00 | 6.2 | 0.06 | 300 | 0.0626 | 3. | 0.970 |
| 426 | 0.00 | 5.0 | 0.04 | 300 | 0.0646 | 3. | 0.960 |
| 427 | 0.00 | 5.0 | 0.04 | 300 | 0.0305 | 3. | 0.960 |
| 428 | 0.00 | 5.0 | 0.04 | 350 | 0.0210 | 3. | 0.960 |
| 429 | 0.00 | 4.5 | 0.25 | 300 | 0.0395 | 3. | 0.995 |
| 430 | 0.00 | 5.5 | 0.05 | 300 | 0.0395 | 3. | 0.975 |
| 432 | 0. | 5.8 | 0.065 | 400 | 0.0192 | 3. | 0.980 |

*** Met Seg PCP_12 161-170 KARST

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 161 | 0.75 | 7.0 | 0.10 | 250 | 0.1392 | 5. | 0.992 |
| 162 | 0. | 5.5 | 0.07 | 400 | 0.0176 | 5. | 0.980 |
| 163 | 0. | 5.5 | 0.07 | 300 | 0.0343 | 5. | 0.980 |
| 164 | 0. | 5.5 | 0.07 | 300 | 0.0799 | 5. | 0.980 |
| 165 | 0.00 | 6.0 | 0.065 | 250 | 0.0893 | 5. | 0.970 |
| 166 | 0.00 | 5.0 | 0.05 | 300 | 0.0461 | 5. | 0.960 |
| 167 | 0.00 | 5.0 | 0.05 | 300 | 0.0337 | 5. | 0.960 |
| 168 | 0.00 | 5.0 | 0.05 | 350 | 0.0299 | 5. | 0.960 |
| 169 | 0.00 | 4.5 | 0.25 | 300 | 0.0379 | 5. | 0.995 |
| 170 | 0.00 | 5.5 | 0.06 | 400 | 0.0150 | 5. | 0.975 |
| 172 | 0. | 5.5 | 0.07 | 400 | 0.0176 | 5. | 0.980 |

*** Met Seg PCP_14 281-290 (mostly B soils)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 281 | 0.75 | 8.5 | 0.15 | 200 | 0.1449 | 5. | 0.992 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 282 | 0. | 7.5 | 0.11 | 400 | 0.0173 | 5. | 0.980 |
| 283 | 0. | 7.5 | 0.11 | 300 | 0.0349 | 5. | 0.980 |
| 284 | 0. | 7.5 | 0.11 | 250 | 0.0913 | 5. | 0.980 |
| 285 | 0.00 | 7.2 | 0.07 | 250 | 0.1112 | 5. | 0.970 |
| 286 | 0.00 | 5.0 | 0.05 | 250 | 0.0974 | 5. | 0.960 |
| 287 | 0.00 | 5.0 | 0.05 | 300 | 0.0729 | 5. | 0.960 |
| 288 | 0.00 | 5.0 | 0.05 | 300 | 0.0553 | 5. | 0.960 |
| 289 | 0.00 | 4.5 | 0.25 | 300 | 0.0583 | 5. | 0.995 |
| 290 | 0.00 | 6.0 | 0.05 | 300 | 0.0535 | 5. | 0.975 |
| 292 | 0. | 7.5 | 0.11 | 400 | 0.0173 | 5. | 0.980 |
| *** Met Seg PCP_23 361-370 | | | | | | | |
| 361 | 0.75 | 8.0 | 0.15 | 250 | 0.0943 | 2.0 | 0.998 |
| 362 | 0. | 7.0 | 0.12 | 350 | 0.0216 | 2.0 | 0.985 |
| 363 | 0. | 7.0 | 0.12 | 300 | 0.0386 | 2.0 | 0.985 |
| 364 | 0. | 7.0 | 0.12 | 300 | 0.0645 | 2.0 | 0.985 |
| 365 | 0.00 | 6.5 | 0.10 | 300 | 0.0676 | 2.0 | 0.975 |
| 366 | 0.00 | 5.5 | 0.06 | 300 | 0.0707 | 2.0 | 0.970 |
| 367 | 0.00 | 5.5 | 0.06 | 300 | 0.0535 | 2.0 | 0.970 |
| 368 | 0.00 | 5.5 | 0.06 | 300 | 0.0369 | 2.0 | 0.970 |
| 369 | 0.00 | 4.5 | 0.25 | 300 | 0.0577 | 2.0 | 0.999 |
| 370 | 0.00 | 6.0 | 0.08 | 350 | 0.0295 | 2.0 | 0.987 |
| 372 | 0. | 7.0 | 0.12 | 350 | 0.0216 | 2.0 | 0.985 |
| *** Met Seg PCP_21 241-250 | | | | | | | |
| 241 | 0.75 | 8.0 | 0.15 | 250 | 0.1195 | 2.0 | 0.998 |
| 242 | 0. | 7.0 | 0.12 | 350 | 0.0211 | 2.0 | 0.985 |
| 243 | 0. | 7.0 | 0.12 | 300 | 0.0333 | 2.0 | 0.985 |
| 244 | 0. | 7.0 | 0.12 | 300 | 0.0660 | 2.0 | 0.985 |
| 245 | 0.00 | 6.5 | 0.10 | 300 | 0.0681 | 2.0 | 0.975 |
| 246 | 0.00 | 5.5 | 0.06 | 300 | 0.0484 | 2.0 | 0.970 |
| 247 | 0.00 | 5.5 | 0.06 | 300 | 0.0375 | 2.0 | 0.970 |
| 248 | 0.00 | 5.5 | 0.06 | 350 | 0.0284 | 2.0 | 0.970 |
| 249 | 0.00 | 4.5 | 0.25 | 350 | 0.0244 | 2.0 | 0.999 |
| 250 | 0.00 | 6.0 | 0.08 | 300 | 0.0681 | 2.0 | 0.987 |
| 252 | 0. | 7.0 | 0.12 | 350 | 0.0211 | 2.0 | 0.985 |
| *** Met Seg PCP_20 341-350 | | | | | | | |
| 341 | 0.75 | 8.0 | 0.15 | 250 | 0.1165 | 2.0 | 0.998 |
| 342 | 0. | 7.0 | 0.12 | 400 | 0.0186 | 2.0 | 0.985 |
| 343 | 0. | 7.0 | 0.12 | 300 | 0.0362 | 2.0 | 0.985 |
| 344 | 0. | 7.0 | 0.12 | 250 | 0.0851 | 2.0 | 0.985 |
| 345 | 0.00 | 6.5 | 0.10 | 300 | 0.0733 | 2.0 | 0.975 |
| 346 | 0.00 | 5.5 | 0.06 | 300 | 0.0474 | 2.0 | 0.970 |
| 347 | 0.00 | 5.5 | 0.06 | 300 | 0.0359 | 2.0 | 0.970 |
| 348 | 0.00 | 5.5 | 0.06 | 350 | 0.0287 | 2.0 | 0.970 |
| 349 | 0.00 | 4.5 | 0.25 | 300 | 0.0482 | 2.0 | 0.999 |
| 350 | 0.00 | 6.0 | 0.08 | 350 | 0.0260 | 2.0 | 0.987 |
| 352 | 0. | 7.0 | 0.12 | 400 | 0.0186 | 2.0 | 0.985 |
| *** Met Seg PCP_16 261-270 | | | | | | | |
| 261 | 0.75 | 8.5 | 0.17 | 250 | 0.1386 | 1.5 | 0.998 |
| 262 | 0. | 7.5 | 0.12 | 350 | 0.0221 | 1.5 | 0.985 |
| 263 | 0. | 7.5 | 0.12 | 300 | 0.0374 | 1.5 | 0.985 |
| 264 | 0. | 7.5 | 0.12 | 250 | 0.0881 | 1.5 | 0.985 |
| 265 | 0.00 | 7.0 | 0.09 | 250 | 0.1068 | 1.5 | 0.975 |
| 266 | 0.00 | 6.0 | 0.06 | 250 | 0.0816 | 1.5 | 0.970 |
| 267 | 0.00 | 6.0 | 0.06 | 300 | 0.0321 | 1.5 | 0.970 |
| 268 | 0.00 | 6.0 | 0.06 | 350 | 0.0226 | 1.5 | 0.970 |
| 269 | 0.00 | 4.5 | 0.25 | 300 | 0.0508 | 1.5 | 0.999 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 270 | 0.00 | 7.0 | 0.10 | 300 | 0.0508 | 1.5 | 0.987 |
| 272 | 0. | 7.5 | 0.12 | 350 | 0.0221 | 1.5 | 0.985 |

*** Met Seg PCP_00 461-470 Osage Creek

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 461 | 0.75 | 7.1 | 0.16 | 250 | 0.0922 | 1.0 | 0.997 |
| 462 | 0. | 5.9 | 0.125 | 400 | 0.0166 | 1.0 | 0.992 |
| 463 | 0. | 5.9 | 0.125 | 350 | 0.0293 | 1.0 | 0.992 |
| 464 | 0. | 5.9 | 0.125 | 300 | 0.0593 | 1.0 | 0.992 |
| 465 | 0.00 | 6.5 | 0.10 | 300 | 0.0390 | 1.0 | 0.990 |
| 466 | 0.00 | 5.5 | 0.08 | 300 | 0.0381 | 1.0 | 0.987 |
| 467 | 0.00 | 5.5 | 0.08 | 350 | 0.0261 | 1.0 | 0.987 |
| 468 | 0.00 | 5.5 | 0.08 | 350 | 0.0210 | 1.0 | 0.987 |
| 469 | 0.00 | 4.5 | 0.25 | 300 | 0.0321 | 1.0 | 0.995 |
| 470 | 0.00 | 6.0 | 0.07 | 400 | 0.0140 | 1.0 | 0.987 |
| 472 | 0. | 5.9 | 0.125 | 400 | 0.0166 | 1.0 | 0.992 |

*** Met Seg PCP_22 381-390 Osage Creek

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 381 | 0.75 | 7.1 | 0.16 | 250 | 0.0995 | 1.0 | 0.997 |
| 382 | 0. | 5.9 | 0.125 | 400 | 0.0183 | 1.0 | 0.992 |
| 383 | 0. | 5.9 | 0.125 | 350 | 0.0295 | 1.0 | 0.992 |
| 384 | 0. | 5.9 | 0.125 | 300 | 0.0567 | 1.0 | 0.992 |
| 385 | 0.00 | 6.5 | 0.10 | 300 | 0.0617 | 1.0 | 0.990 |
| 386 | 0.00 | 5.5 | 0.08 | 300 | 0.0406 | 1.0 | 0.987 |
| 387 | 0.00 | 5.5 | 0.08 | 350 | 0.0285 | 1.0 | 0.987 |
| 388 | 0.00 | 5.5 | 0.08 | 350 | 0.0228 | 1.0 | 0.987 |
| 389 | 0.00 | 4.5 | 0.25 | 300 | 0.0391 | 1.0 | 0.995 |
| 390 | 0.00 | 6.0 | 0.07 | 300 | 0.0724 | 1.0 | 0.987 |
| 392 | 0. | 5.9 | 0.125 | 400 | 0.0183 | 1.0 | 0.992 |

*** Met Seg PCP_03 481-490 Osage Creek KARST (partial)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 481 | 0.75 | 7.3 | 0.16 | 300 | 0.0758 | 1.0 | 0.997 |
| 482 | 0. | 5.9 | 0.085 | 400 | 0.0170 | 1.0 | 0.992 |
| 483 | 0. | 5.9 | 0.085 | 350 | 0.0281 | 1.0 | 0.992 |
| 484 | 0. | 5.9 | 0.085 | 300 | 0.0494 | 1.0 | 0.992 |
| 485 | 0.00 | 6.5 | 0.07 | 300 | 0.0486 | 1.0 | 0.990 |
| 486 | 0.00 | 5.5 | 0.045 | 350 | 0.0286 | 1.0 | 0.987 |
| 487 | 0.00 | 5.5 | 0.045 | 400 | 0.0194 | 1.0 | 0.987 |
| 488 | 0.00 | 5.5 | 0.045 | 400 | 0.0160 | 1.0 | 0.987 |
| 489 | 0.00 | 4.5 | 0.25 | 350 | 0.0232 | 1.0 | 0.995 |
| 490 | 0.00 | 6.0 | 0.06 | 350 | 0.0270 | 1.0 | 0.987 |
| 492 | 0. | 5.9 | 0.085 | 400 | 0.0170 | 1.0 | 0.992 |

*** Met Seg PCP_19 501-510

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 501 | 0.75 | 8.0 | 0.15 | 250 | 0.1153 | 2.0 | 0.998 |
| 502 | 0. | 7.0 | 0.12 | 400 | 0.0194 | 2.0 | 0.985 |
| 503 | 0. | 7.0 | 0.12 | 300 | 0.0320 | 2.0 | 0.985 |
| 504 | 0. | 7.0 | 0.12 | 300 | 0.0696 | 2.0 | 0.985 |
| 505 | 0.00 | 6.5 | 0.10 | 300 | 0.0614 | 2.0 | 0.975 |
| 506 | 0.00 | 5.5 | 0.06 | 300 | 0.0410 | 2.0 | 0.970 |
| 507 | 0.00 | 5.5 | 0.06 | 350 | 0.0217 | 2.0 | 0.970 |
| 508 | 0.00 | 5.5 | 0.06 | 400 | 0.0195 | 2.0 | 0.970 |
| 509 | 0.00 | 4.5 | 0.25 | 300 | 0.0390 | 2.0 | 0.999 |
| 510 | 0.00 | 6.0 | 0.08 | 300 | 0.0390 | 2.0 | 0.987 |
| 512 | 0. | 7.0 | 0.12 | 400 | 0.0194 | 2.0 | 0.985 |

*** Met Seg PCP_13 581-590 (mostly B soils)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 581 | 0.75 | 8.5 | 0.17 | 250 | 0.1246 | 1.5 | 0.998 |
| 582 | 0. | 7.5 | 0.12 | 350 | 0.0206 | 1.5 | 0.985 |
| 583 | 0. | 7.5 | 0.12 | 300 | 0.0346 | 1.5 | 0.985 |
| 584 | 0. | 7.5 | 0.12 | 250 | 0.0855 | 1.5 | 0.985 |
| 585 | 0.00 | 7.0 | 0.09 | 250 | 0.1098 | 1.5 | 0.975 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 586 | 0.00 | 6.0 | 0.06 | 300 | 0.0701 | 1.5 | 0.970 |
| 587 | 0.00 | 6.0 | 0.06 | 300 | 0.0634 | 1.5 | 0.970 |
| 588 | 0.00 | 6.0 | 0.06 | 300 | 0.0545 | 1.5 | 0.970 |
| 589 | 0.00 | 4.5 | 0.25 | 350 | 0.0290 | 1.5 | 0.999 |
| 590 | 0.00 | 7.0 | 0.10 | 350 | 0.0207 | 1.5 | 0.987 |
| 592 | 0. | 7.5 | 0.12 | 350 | 0.0206 | 1.5 | 0.985 |
| *** Met Seg PCP_10 541-550 (mostly B soils) | | | | | | | |
| 541 | 0.75 | 8.5 | 0.17 | 250 | 0.1274 | 1.5 | 0.998 |
| 542 | 0. | 7.5 | 0.12 | 400 | 0.0191 | 1.5 | 0.985 |
| 543 | 0. | 7.5 | 0.12 | 300 | 0.0337 | 1.5 | 0.985 |
| 544 | 0. | 7.5 | 0.12 | 250 | 0.0871 | 1.5 | 0.985 |
| 545 | 0.00 | 7.0 | 0.09 | 300 | 0.0799 | 1.5 | 0.975 |
| 546 | 0.00 | 6.0 | 0.06 | 250 | 0.0847 | 1.5 | 0.970 |
| 547 | 0.00 | 6.0 | 0.06 | 300 | 0.0657 | 1.5 | 0.970 |
| 548 | 0.00 | 6.0 | 0.06 | 300 | 0.0593 | 1.5 | 0.970 |
| 549 | 0.00 | 4.5 | 0.25 | 300 | 0.0402 | 1.5 | 0.999 |
| 550 | 0.00 | 7.0 | 0.10 | 400 | 0.0154 | 1.5 | 0.987 |
| 552 | 0. | 7.5 | 0.12 | 400 | 0.0191 | 1.5 | 0.985 |
| *** Met Seg PCP_05 301-110 (mostly B soils) | | | | | | | |
| 301 | 0.75 | 8.5 | 0.17 | 200 | 0.1601 | 1.5 | 0.998 |
| 302 | 0. | 7.5 | 0.12 | 400 | 0.0160 | 1.5 | 0.985 |
| 303 | 0. | 7.5 | 0.12 | 300 | 0.0339 | 1.5 | 0.985 |
| 304 | 0. | 7.5 | 0.12 | 250 | 0.0842 | 1.5 | 0.985 |
| 305 | 0.00 | 7.0 | 0.09 | 250 | 0.0897 | 1.5 | 0.975 |
| 306 | 0.00 | 6.0 | 0.06 | 250 | 0.0841 | 1.5 | 0.970 |
| 307 | 0.00 | 6.0 | 0.06 | 300 | 0.0464 | 1.5 | 0.970 |
| 308 | 0.00 | 6.0 | 0.06 | 300 | 0.0442 | 1.5 | 0.970 |
| 309 | 0.00 | 4.5 | 0.25 | 350 | 0.0244 | 1.5 | 0.999 |
| 310 | 0.00 | 7.0 | 0.10 | 400 | 0.0155 | 1.5 | 0.987 |
| 312 | 0. | 7.5 | 0.12 | 400 | 0.0160 | 1.5 | 0.985 |
| *** Met Seg PCP_09 201-210 | | | | | | | |
| 201 | 0.75 | 8.0 | 0.15 | 250 | 0.1199 | 2.0 | 0.998 |
| 202 | 0. | 7.0 | 0.12 | 350 | 0.0203 | 2.0 | 0.985 |
| 203 | 0. | 7.0 | 0.12 | 300 | 0.0363 | 2.0 | 0.985 |
| 204 | 0. | 7.0 | 0.12 | 300 | 0.0749 | 2.0 | 0.985 |
| 205 | 0.00 | 6.5 | 0.10 | 300 | 0.0538 | 2.0 | 0.975 |
| 206 | 0.00 | 5.5 | 0.06 | 300 | 0.0479 | 2.0 | 0.970 |
| 207 | 0.00 | 5.5 | 0.06 | 300 | 0.0744 | 2.0 | 0.970 |
| 208 | 0.00 | 5.5 | 0.06 | 300 | 0.0744 | 2.0 | 0.970 |
| 209 | 0.00 | 4.5 | 0.25 | 300 | 0.0700 | 2.0 | 0.999 |
| 210 | 0.00 | 6.0 | 0.08 | 300 | 0.0419 | 2.0 | 0.987 |
| 212 | 0. | 7.0 | 0.12 | 350 | 0.0203 | 2.0 | 0.985 |
| *** Met Seg PCP_07 221-230 | | | | | | | |
| 221 | 0.75 | 8.0 | 0.15 | 250 | 0.1250 | 2.0 | 0.998 |
| 222 | 0. | 7.0 | 0.12 | 350 | 0.0202 | 2.0 | 0.985 |
| 223 | 0. | 7.0 | 0.12 | 300 | 0.0364 | 2.0 | 0.985 |
| 224 | 0. | 7.0 | 0.12 | 250 | 0.0811 | 2.0 | 0.985 |
| 225 | 0.00 | 6.5 | 0.10 | 250 | 0.0894 | 2.0 | 0.975 |
| 226 | 0.00 | 5.5 | 0.06 | 300 | 0.0617 | 2.0 | 0.970 |
| 227 | 0.00 | 5.5 | 0.06 | 300 | 0.0374 | 2.0 | 0.970 |
| 228 | 0.00 | 5.5 | 0.06 | 300 | 0.0339 | 2.0 | 0.970 |
| 229 | 0.00 | 4.5 | 0.25 | 350 | 0.0219 | 2.0 | 0.999 |
| 230 | 0.00 | 6.0 | 0.08 | 300 | 0.0353 | 2.0 | 0.987 |
| 232 | 0. | 7.0 | 0.12 | 350 | 0.0202 | 2.0 | 0.985 |
| *** Met Seg PCP_06 121-130 | | | | | | | |
| 121 | 0.75 | 8.5 | 0.17 | 250 | 0.1049 | 1.5 | 0.998 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 122 | 0. | 7.5 | 0.12 | 400 | 0.0174 | 1.5 | 0.985 |
| 123 | 0. | 7.5 | 0.12 | 300 | 0.0336 | 1.5 | 0.985 |
| 124 | 0. | 7.5 | 0.12 | 300 | 0.0690 | 1.5 | 0.985 |
| 125 | 0.00 | 7.0 | 0.09 | 300 | 0.0680 | 1.5 | 0.975 |
| 126 | 0.00 | 6.0 | 0.06 | 300 | 0.0343 | 1.5 | 0.970 |
| 127 | 0.00 | 6.0 | 0.06 | 300 | 0.0343 | 1.5 | 0.970 |
| 128 | 0.00 | 6.0 | 0.06 | 350 | 0.0257 | 1.5 | 0.970 |
| 129 | 0.00 | 4.5 | 0.25 | 350 | 0.0239 | 1.5 | 0.999 |
| 130 | 0.00 | 7.0 | 0.10 | 350 | 0.0248 | 1.5 | 0.987 |
| 132 | 0. | 7.5 | 0.12 | 400 | 0.0174 | 1.5 | 0.985 |

*** Met Seg PCP_02 441-450 Flint Cr.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 441 | 0.75 | 7.5 | 0.12 | 250 | 0.0865 | 1.9 | 0.998 |
| 442 | 0. | 6.5 | 0.08 | 350 | 0.0214 | 1.9 | 0.985 |
| 443 | 0. | 6.5 | 0.08 | 300 | 0.0342 | 1.9 | 0.985 |
| 444 | 0. | 6.5 | 0.08 | 300 | 0.0609 | 1.9 | 0.985 |
| 445 | 0.00 | 7.0 | 0.07 | 300 | 0.0669 | 1.9 | 0.975 |
| 446 | 0.00 | 5.0 | 0.045 | 300 | 0.0518 | 1.9 | 0.970 |
| 447 | 0.00 | 5.0 | 0.045 | 350 | 0.0270 | 1.9 | 0.970 |
| 448 | 0.00 | 5.0 | 0.045 | 400 | 0.0188 | 1.9 | 0.970 |
| 449 | 0.00 | 4.5 | 0.25 | 300 | 0.0402 | 1.9 | 0.999 |
| 450 | 0.00 | 5.5 | 0.07 | 400 | 0.0182 | 1.9 | 0.987 |
| 452 | 0. | 6.5 | 0.08 | 350 | 0.0214 | 1.9 | 0.985 |

*** Met Seg PCP_01 601-610 Flint Cr.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 601 | 0.75 | 7.5 | 0.12 | 250 | 0.0932 | 1.9 | 0.998 |
| 602 | 0. | 6.5 | 0.08 | 400 | 0.0164 | 1.9 | 0.985 |
| 603 | 0. | 6.5 | 0.08 | 350 | 0.0287 | 1.9 | 0.985 |
| 604 | 0. | 6.5 | 0.08 | 300 | 0.0425 | 1.9 | 0.985 |
| 605 | 0.00 | 7.0 | 0.07 | 300 | 0.0724 | 1.9 | 0.975 |
| 606 | 0.00 | 5.0 | 0.045 | 300 | 0.0428 | 1.9 | 0.970 |
| 607 | 0.00 | 5.0 | 0.045 | 350 | 0.0221 | 1.9 | 0.970 |
| 608 | 0.00 | 5.0 | 0.045 | 350 | 0.0253 | 1.9 | 0.970 |
| 609 | 0.00 | 4.5 | 0.25 | 300 | 0.0367 | 1.9 | 0.999 |
| 610 | 0.00 | 5.5 | 0.07 | 350 | 0.0210 | 1.9 | 0.987 |
| 612 | 0. | 6.5 | 0.08 | 400 | 0.0164 | 1.9 | 0.985 |

*** Met Seg PCP_04 521-530 Sager Cr.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 521 | 0.75 | 5.5 | 0.06 | 250 | 0.1003 | .5 | 0.992 |
| 522 | 0. | 4.5 | 0.04 | 400 | 0.0138 | .5 | 0.985 |
| 523 | 0. | 4.5 | 0.04 | 350 | 0.0245 | .5 | 0.985 |
| 524 | 0. | 4.5 | 0.04 | 300 | 0.0312 | .5 | 0.985 |
| 525 | 0.00 | 5.0 | 0.045 | 300 | 0.0713 | .5 | 0.975 |
| 526 | 0.00 | 4.0 | 0.035 | 300 | 0.0326 | .5 | 0.970 |
| 527 | 0.00 | 4.0 | 0.035 | 350 | 0.0251 | .5 | 0.970 |
| 528 | 0.00 | 4.0 | 0.035 | 350 | 0.0201 | .5 | 0.970 |
| 529 | 0.00 | 4.5 | 0.25 | 300 | 0.0585 | .5 | 0.995 |
| 530 | 0.00 | 5.0 | 0.05 | 500 | 0.0079 | .5 | 0.975 |
| 532 | 0. | 4.5 | 0.04 | 400 | 0.0138 | .5 | 0.985 |

*** Met Seg PCP_24 41-50

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 41 | 0.75 | 7.2 | 0.10 | 200 | 0.1570 | 1.5 | 0.985 |
| 42 | 0. | 5.7 | 0.065 | 350 | 0.0217 | 1.5 | 0.975 |
| 43 | 0. | 5.7 | 0.065 | 300 | 0.0385 | 1.5 | 0.975 |
| 44 | 0. | 5.7 | 0.065 | 250 | 0.0920 | 1.5 | 0.975 |
| 45 | 0.00 | 6.2 | 0.05 | 250 | 0.0972 | 1. | 0.965 |
| 46 | 0.00 | 5.0 | 0.04 | 250 | 0.0872 | 1. | 0.960 |
| 47 | 0.00 | 5.0 | 0.04 | 300 | 0.0592 | 1. | 0.960 |
| 48 | 0.00 | 5.0 | 0.04 | 300 | 0.0592 | 1. | 0.960 |
| 49 | 0.00 | 4.5 | 0.25 | 300 | 0.0480 | 1. | 0.985 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 50 | 0.00 | 5.5 | 0.06 | 400 | 0.0124 | 1. | 0.965 |
| 52 | 0. | 5.7 | 0.065 | 350 | 0.0217 | 1.5 | 0.975 |

*** Met Seg PCP_26 61-70 Baron @ DM

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 61 | 0.75 | 6.3 | 0.081 | 200 | 0.1576 | 0.5 | 0.970 |
| 62 | 0. | 4.8 | 0.066 | 350 | 0.0237 | 0.5 | 0.960 |
| 63 | 0. | 4.8 | 0.062 | 300 | 0.0383 | 0.5 | 0.960 |
| 64 | 0. | 4.8 | 0.058 | 250 | 0.0877 | 0.5 | 0.960 |
| 65 | 0.00 | 5.5 | 0.05 | 250 | 0.1105 | 0.5 | 0.965 |
| 66 | 0.00 | 4.5 | 0.04 | 300 | 0.0698 | 0.5 | 0.950 |
| 67 | 0.00 | 4.5 | 0.04 | 300 | 0.0406 | 0.5 | 0.950 |
| 68 | 0.00 | 4.5 | 0.04 | 350 | 0.0291 | 0.5 | 0.950 |
| 69 | 0.00 | 4.0 | 0.25 | 300 | 0.0707 | 0.5 | 0.985 |
| 70 | 0.00 | 5.0 | 0.06 | 300 | 0.0707 | 0.5 | 0.960 |
| 72 | 0. | 4.8 | 0.066 | 350 | 0.0237 | 0.5 | 0.960 |

*** Met Seg PCP_08 401-410

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 401 | 0.75 | 6.7 | 0.11 | 200 | 0.1600 | 2. | 0.985 |
| 402 | 0. | 5.7 | 0.065 | 350 | 0.0228 | 2. | 0.975 |
| 403 | 0. | 5.7 | 0.065 | 300 | 0.0390 | 2. | 0.975 |
| 404 | 0. | 5.7 | 0.065 | 250 | 0.0950 | 2. | 0.975 |
| 405 | 0.00 | 6.2 | 0.05 | 250 | 0.1135 | 2. | 0.970 |
| 406 | 0.00 | 5.0 | 0.04 | 250 | 0.0852 | 2. | 0.960 |
| 407 | 0.00 | 5.0 | 0.04 | 300 | 0.0461 | 2. | 0.960 |
| 408 | 0.00 | 5.0 | 0.04 | 300 | 0.0461 | 2. | 0.960 |
| 409 | 0.00 | 4.5 | 0.25 | 300 | 0.0518 | 2. | 0.995 |
| 410 | 0.00 | 5.5 | 0.06 | 300 | 0.0465 | 2. | 0.970 |
| 412 | 0. | 5.7 | 0.065 | 350 | 0.0228 | 2. | 0.975 |

*** Met Seg OK344672 (Kansas 2 NE) 561-570 (Mostly B Soils) Flint Cr.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 561 | 0.75 | 7.8 | 0.13 | 200 | 0.1855 | 1.5 | 0.995 |
| 562 | 0. | 6.8 | 0.085 | 400 | 0.0153 | 1.5 | 0.985 |
| 563 | 0. | 6.8 | 0.085 | 300 | 0.0356 | 1.5 | 0.985 |
| 564 | 0. | 6.8 | 0.085 | 300 | 0.0704 | 1.5 | 0.985 |
| 565 | 0.00 | 7.0 | 0.07 | 250 | 0.1329 | 1.5 | 0.980 |
| 566 | 0.00 | 5.0 | 0.05 | 250 | 0.1062 | 1.5 | 0.970 |
| 567 | 0.00 | 5.0 | 0.05 | 250 | 0.0948 | 1.5 | 0.970 |
| 568 | 0.00 | 5.0 | 0.05 | 250 | 0.0812 | 1.5 | 0.970 |
| 569 | 0.00 | 4.5 | 0.30 | 350 | 0.0230 | 1.5 | 0.997 |
| 570 | 0.00 | 6.5 | 0.07 | 400 | 0.0139 | 1.5 | 0.975 |
| 572 | 0. | 6.8 | 0.085 | 400 | 0.0153 | 1.5 | 0.985 |

*** Met Seg WESTVILL 141-150

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 141 | 0.75 | 7.2 | 0.10 | 200 | 0.1748 | 3. | 0.990 |
| 142 | 0. | 6.2 | 0.07 | 400 | 0.0185 | 3. | 0.980 |
| 143 | 0. | 6.2 | 0.07 | 300 | 0.0374 | 3. | 0.980 |
| 144 | 0. | 6.2 | 0.07 | 250 | 0.0946 | 3. | 0.980 |
| 145 | 0.00 | 6.5 | 0.05 | 250 | 0.1251 | 3. | 0.975 |
| 146 | 0.00 | 5.0 | 0.04 | 250 | 0.0841 | 3. | 0.960 |
| 147 | 0.00 | 5.0 | 0.04 | 300 | 0.0318 | 3. | 0.960 |
| 148 | 0.00 | 5.0 | 0.04 | 350 | 0.0238 | 3. | 0.960 |
| 149 | 0.00 | 4.5 | 0.25 | 350 | 0.0227 | 3. | 0.995 |
| 150 | 0.00 | 7.0 | 0.06 | 250 | 0.0913 | 3. | 0.975 |
| 152 | 0. | 6.2 | 0.07 | 400 | 0.0185 | 3. | 0.980 |

*** Met Seg OK348506 (STILWELL 5 NNW) 81-90

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 81 | 0.75 | 8.3 | 0.100 | 200 | 0.1677 | 2.5 | 0.992 |
| 82 | 0. | 8.0 | 0.070 | 350 | 0.0207 | 2.5 | 0.982 |
| 83 | 0. | 8.0 | 0.070 | 300 | 0.0391 | 2.5 | 0.982 |
| 84 | 0. | 8.0 | 0.070 | 250 | 0.1005 | 2.5 | 0.982 |
| 85 | 0.00 | 8.0 | 0.050 | 250 | 0.1234 | 2.5 | 0.975 |

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  86        0.00     5.0   0.040      300   0.0707     2.5    0.960
  87        0.00     5.0   0.040      350   0.0278     2.5    0.960
  88        0.00     5.0   0.040      350   0.0220     2.5    0.960
  89        0.00     4.5   0.300      300   0.0329     2.5    0.995
  90        0.00     7.0   0.060      300   0.0552     2.5    0.975
  92         0.      8.0   0.070      350   0.0207     2.5    0.982
*** Met Seg TAHLEQUA 621-630
 621        0.75     7.5   0.120      200   0.2006     1.8    0.995
 622         0.      6.5   0.080      400   0.0182     1.8    0.985
 623         0.      6.5   0.080      300   0.0380     1.8    0.985
 624         0.      6.5   0.080      250   0.0902     1.8    0.985
 625        0.00     6.0   0.070      250   0.1150     1.8    0.975
 626        0.00     5.0   0.055      250   0.0840     1.8    0.960
 627        0.00     5.0   0.055      300   0.0473     1.8    0.960
 628        0.00     5.0   0.055      300   0.0331     1.8    0.960
 629        0.00     4.5   0.300      400   0.0156     1.8    0.995
 630        0.00     6.0   0.070      400   0.0196     1.8    0.975
 632         0.      6.5   0.080      400   0.0182     1.8    0.985
*** Met Seg AR035354 (ODELL 2 N) 661-670 (Mostly D Soils)
 661        0.75     6.7   0.065      250   0.1398     2.     0.985
 662         0.      5.7   0.045      400   0.0193     2.     0.975
 663         0.      5.7   0.045      300   0.0382     2.     0.975
 664         0.      5.7   0.045      250   0.0883     2.     0.975
 665        0.00     6.2   0.045      250   0.1012     2.     0.970
 666        0.00     5.0   0.040      300   0.0692     2.     0.960
 667        0.00     5.0   0.040      300   0.0400     2.     0.960
 668        0.00     5.0   0.040      300   0.0344     2.     0.960
 669        0.00     4.5   0.200      300   0.0408     2.     0.995
 670        0.00     5.5   0.050      300   0.0502     2.     0.970
 672         0.      5.7   0.045      400   0.0193     2.     0.975
*** Met Seg COOKSON 321-330 (Mostly D Soils)
 321        0.75     8.5   0.090      200   0.1651     2.5    0.992
 322         0.      8.0   0.065      350   0.0218     2.5    0.982
 323         0.      8.0   0.065      300   0.0385     2.5    0.982
 324         0.      8.0   0.065      250   0.0942     2.5    0.982
 325        0.00     7.5   0.060      250   0.1168     2.5    0.975
 326        0.00     5.0   0.045      250   0.1065     2.5    0.960
 327        0.00     5.0   0.045      250   0.0810     2.5    0.960
 328        0.00     5.0   0.045      300   0.0571     2.5    0.960
 329        0.00     4.0   0.200      300   0.0689     2.5    0.995
 330        0.00     6.0   0.050      250   0.1270     2.5    0.975
 332         0.      8.0   0.065      350   0.0218     2.5    0.982
*** Met Seg WEBBERS 641-650 (Mostly D Soils)
 641        0.75     8.5   0.090      250   0.1070     2.     0.992
 642         0.      7.5   0.065      400   0.0171     2.     0.982
 643         0.      7.5   0.065      300   0.0346     2.     0.982
 644         0.      7.5   0.065      300   0.0546     2.     0.982
 645        0.00     7.0   0.060      250   0.0948     2.     0.975
 646        0.00     5.0   0.050      300   0.0688     2.     0.960
 647        0.00     5.0   0.050      300   0.0435     2.     0.960
 648        0.00     5.0   0.050      300   0.0388     2.     0.960
 649        0.00     4.0   0.200      350   0.0227     2.     0.995
 650        0.00     5.0   0.050      500   0.0084     2.     0.975
 652         0.      7.5   0.065      400   0.0171     2.     0.982
 END PWAT-PARM2
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  PWAT-PARM3
*** < PLS>    PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
*** x  - x   (deg F)   (deg F)
*** Met Seg PCP_18 21-30 (Mostly C soils, with some B and D)
   21          40.       35.       2.        2.      0.18     0.010     0.001
   22   24      40.       35.       2.        2.      0.15     0.005     0.001
   25          40.       35.       2.        2.      0.15     0.005     0.001
   26   28      40.       35.       2.        2.      0.10     0.003     0.001
   29          40.       35.       2.        2.      0.30     0.040     0.200
   30          40.       35.       2.        2.      0.15     0.002     0.001
   32          40.       35.       2.        2.      0.15     0.005     0.001
   32          40.       35.       2.        2.      0.15     0.005     0.001
 *** Met Seg PCP_17 181-190
  181          40.       35.       2.        2.      0.18     0.010     0.001
  182  184      40.       35.       2.        2.      0.15     0.005     0.001
  185          40.       35.       2.        2.      0.15     0.005     0.001
  186  188      40.       35.       2.        2.      0.10     0.003     0.001
  189          40.       35.       2.        2.      0.30     0.040     0.200
  190          40.       35.       2.        2.      0.15     0.002     0.001
  192          40.       35.       2.        2.      0.15     0.005     0.001
*** Met Seg PCP_11 101-110
  101          40.       35.       2.        2.      0.18     0.010     0.001
  102  104      40.       35.       2.        2.      0.15     0.005     0.001
  105          40.       35.       2.        2.      0.15     0.005     0.001
  106  108      40.       35.       2.        2.      0.10     0.003     0.001
  109          40.       35.       2.        2.      0.30     0.040     0.200
  110          40.       35.       2.        2.      0.15     0.002     0.001
  112          40.       35.       2.        2.      0.15     0.005     0.001
*** Met Seg PCP_15 421-430
  421          40.       35.       2.        2.      0.22     0.010     0.001
  422  424      40.       35.       2.        2.      0.18     0.005     0.001
  425          40.       35.       2.        2.      0.18     0.005     0.001
  426  428      40.       35.       2.        2.      0.10     0.003     0.001
  429          40.       35.       2.        2.      0.30     0.040     0.200
  430          40.       35.       2.        2.      0.15     0.002     0.001
  432          40.       35.       2.        2.      0.18     0.005     0.001
*** Met Seg PCP_12 161-170
  161          40.       35.       2.        2.      0.22     0.010     0.001
  162  164      40.       35.       2.        2.      0.18     0.005     0.001
  165          40.       35.       2.        2.      0.18     0.005     0.001
  166  168      40.       35.       2.        2.      0.10     0.003     0.001
  169          40.       35.       2.        2.      0.30     0.040     0.200
  170          40.       35.       2.        2.      0.15     0.002     0.001
  172          40.       35.       2.        2.      0.18     0.005     0.001
*** Met Seg PCP_14 281-290
  281          40.       35.       2.        2.      0.22     0.010     0.001
  282  284      40.       35.       2.        2.      0.18     0.005     0.001
  285          40.       35.       2.        2.      0.18     0.005     0.001
  286  288      40.       35.       2.        2.      0.10     0.003     0.001
  289          40.       35.       2.        2.      0.30     0.040     0.200
  290          40.       35.       2.        2.      0.15     0.002     0.001
  292          40.       35.       2.        2.      0.18     0.005     0.001
*** Met Seg PCP_23 361-370
  361          40.       35.       2.        2.      0.28     0.010     0.001
  362  364      40.       35.       2.        2.      0.23     0.005     0.001
  365          40.       35.       2.        2.      0.23     0.005     0.001
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 366  368      40.      35.      2.      2.     0.18    0.003    0.001
 369           40.      35.      2.      2.     0.30    0.040    0.200
 370           40.      35.      2.      2.     0.20    0.002    0.001
 372           40.      35.      2.      2.     0.23    0.005    0.001
*** Met Seg PCP_21 241-250
 241           40.      35.      2.      2.     0.28    0.010    0.001
 242  244      40.      35.      2.      2.     0.23    0.005    0.001
 245           40.      35.      2.      2.     0.23    0.005    0.001
 246  248      40.      35.      2.      2.     0.18    0.003    0.001
 249           40.      35.      2.      2.     0.30    0.040    0.200
 250           40.      35.      2.      2.     0.20    0.002    0.001
 252           40.      35.      2.      2.     0.23    0.005    0.001
*** Met Seg PCP_20 341-350
 341           40.      35.      2.      2.     0.28    0.010    0.001
 342  344      40.      35.      2.      2.     0.23    0.005    0.001
 345           40.      35.      2.      2.     0.23    0.005    0.001
 346  348      40.      35.      2.      2.     0.18    0.003    0.001
 349           40.      35.      2.      2.     0.30    0.040    0.200
 350           40.      35.      2.      2.     0.20    0.002    0.001
 352           40.      35.      2.      2.     0.23    0.005    0.001
*** Met Seg PCP_16 261-270
 261           40.      35.      2.      2.     0.25    0.010    0.001
 262  264      40.      35.      2.      2.     0.20    0.005    0.001
 265           40.      35.      2.      2.     0.20    0.005    0.001
 266  268      40.      35.      2.      2.     0.15    0.003    0.001
 269           40.      35.      2.      2.     0.30    0.040    0.200
 270           40.      35.      2.      2.     0.15    0.002    0.001
 272           40.      35.      2.      2.     0.20    0.005    0.001
*** Met Seg PCP_00 461-470 Osage Creek
 461           40.      35.      2.      2.     0.08    0.010    0.001
 462  464      40.      35.      2.      2.     0.04    0.005    0.001
 465           40.      35.      2.      2.     0.04    0.005    0.001
 466  468      40.      35.      2.      2.     0.03    0.003    0.001
 469           40.      35.      2.      2.     0.20    0.040    0.200
 470           40.      35.      2.      2.     0.04    0.002    0.001
 472           40.      35.      2.      2.     0.04    0.005    0.001
*** Met Seg PCP_22 381-390 Osage Creek
 381           40.      35.      2.      2.     0.08    0.010    0.001
 382  384      40.      35.      2.      2.     0.04    0.005    0.001
 385           40.      35.      2.      2.     0.04    0.005    0.001
 386  388      40.      35.      2.      2.     0.03    0.003    0.001
 389           40.      35.      2.      2.     0.20    0.040    0.200
 390           40.      35.      2.      2.     0.04    0.002    0.001
 392           40.      35.      2.      2.     0.04    0.005    0.001
*** Met Seg PCP_03 481-490 Osage Creek
 481           40.      35.      2.      2.     0.08    0.010    0.001
 482  484      40.      35.      2.      2.     0.04    0.005    0.001
 485           40.      35.      2.      2.     0.04    0.005    0.001
 486  488      40.      35.      2.      2.     0.03    0.003    0.001
 489           40.      35.      2.      2.     0.20    0.040    0.200
 490           40.      35.      2.      2.     0.04    0.002    0.001
 492           40.      35.      2.      2.     0.04    0.005    0.001
*** Met Seg PCP_19 501-510
 501           40.      35.      2.      2.     0.28    0.010    0.001
 502  504      40.      35.      2.      2.     0.23    0.005    0.001
 505           40.      35.      2.      2.     0.23    0.005    0.001
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 506  508      40.      35.      2.      2.     0.18    0.003    0.001
 509           40.      35.      2.      2.     0.30    0.040    0.200
 510           40.      35.      2.      2.     0.20    0.002    0.001
 512           40.      35.      2.      2.     0.23    0.005    0.001
*** Met Seg PCP_13 581-590
 581           40.      35.      2.      2.     0.25    0.010    0.001
 582  584      40.      35.      2.      2.     0.20    0.005    0.001
 585           40.      35.      2.      2.     0.20    0.005    0.001
 586  588      40.      35.      2.      2.     0.15    0.003    0.001
 589           40.      35.      2.      2.     0.30    0.040    0.200
 590           40.      35.      2.      2.     0.15    0.002    0.001
 592           40.      35.      2.      2.     0.20    0.005    0.001
*** Met Seg PCP_10 541-550
 541           40.      35.      2.      2.     0.25    0.010    0.001
 542  544      40.      35.      2.      2.     0.20    0.005    0.001
 545           40.      35.      2.      2.     0.20    0.005    0.001
 546  548      40.      35.      2.      2.     0.15    0.003    0.001
 549           40.      35.      2.      2.     0.30    0.040    0.200
 550           40.      35.      2.      2.     0.15    0.002    0.001
 552           40.      35.      2.      2.     0.20    0.005    0.001
*** Met Seg PCP_05 301-110
 301           40.      35.      2.      2.     0.25    0.010    0.001
 302  304      40.      35.      2.      2.     0.20    0.005    0.001
 305           40.      35.      2.      2.     0.20    0.005    0.001
 306  308      40.      35.      2.      2.     0.15    0.003    0.001
 309           40.      35.      2.      2.     0.30    0.040    0.200
 310           40.      35.      2.      2.     0.15    0.002    0.001
 312           40.      35.      2.      2.     0.20    0.005    0.001
*** Met Seg PCP_09 201-210
 201           40.      35.      2.      2.     0.28    0.010    0.001
 202  204      40.      35.      2.      2.     0.23    0.005    0.001
 205           40.      35.      2.      2.     0.23    0.005    0.001
 206  208      40.      35.      2.      2.     0.18    0.003    0.001
 209           40.      35.      2.      2.     0.30    0.040    0.200
 210           40.      35.      2.      2.     0.20    0.002    0.001
 212           40.      35.      2.      2.     0.23    0.005    0.001
*** Met Seg PCP_07 221-230
 221           40.      35.      2.      2.     0.28    0.010    0.001
 222  224      40.      35.      2.      2.     0.23    0.005    0.001
 225           40.      35.      2.      2.     0.23    0.005    0.001
 226  228      40.      35.      2.      2.     0.18    0.003    0.001
 229           40.      35.      2.      2.     0.30    0.040    0.200
 230           40.      35.      2.      2.     0.20    0.002    0.001
 232           40.      35.      2.      2.     0.23    0.005    0.001
*** Met Seg PCP_06 121-130
 121           40.      35.      2.      2.     0.25    0.010    0.001
 122  124      40.      35.      2.      2.     0.20    0.005    0.001
 125           40.      35.      2.      2.     0.20    0.005    0.001
 126  128      40.      35.      2.      2.     0.15    0.003    0.001
 129           40.      35.      2.      2.     0.30    0.040    0.200
 130           40.      35.      2.      2.     0.15    0.002    0.001
 132           40.      35.      2.      2.     0.20    0.005    0.001
*** Met Seg PCP_02 441-450 Flint Creek
 441           40.      35.      2.      2.     0.27    0.010    0.001
 442  444      40.      35.      2.      2.     0.17    0.005    0.001
 445           40.      35.      2.      2.     0.15    0.005    0.001
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 446  448      40.      35.       2.       2.      0.10     0.003     0.001
 449           40.      35.       2.       2.      0.30     0.040     0.200
 450           40.      35.       2.       2.      0.20     0.002     0.001
 452           40.      35.       2.       2.      0.17     0.005     0.001
*** Met Seg PCP_01 601-610 Flint Creek
 601           40.      35.       2.       2.      0.27     0.010     0.001
 602  604      40.      35.       2.       2.      0.17     0.005     0.001
 605           40.      35.       2.       2.      0.15     0.005     0.001
 606  608      40.      35.       2.       2.      0.10     0.003     0.001
 609           40.      35.       2.       2.      0.30     0.040     0.200
 610           40.      35.       2.       2.      0.20     0.002     0.001
 612           40.      35.       2.       2.      0.17     0.005     0.001
*** Met Seg PCP_04 521-530 Sager Creek
 521           40.      35.       2.       2.      0.15     0.010     0.001
 522  524      40.      35.       2.       2.      0.09     0.005     0.001
 525           40.      35.       2.       2.      0.10     0.005     0.001
 526  528      40.      35.       2.       2.      0.08     0.003     0.001
 529           40.      35.       2.       2.      0.30     0.040     0.200
 530           40.      35.       2.       2.      0.10     0.002     0.001
 532           40.      35.       2.       2.      0.09     0.005     0.001
*** Met Seg PCP_24 41-50
  41           40.      35.       2.       2.      0.23     0.010     0.001
  42   44      40.      35.       2.       2.      0.13     0.005     0.001
  45           40.      35.       2.       2.      0.13     0.005     0.001
  46   48      40.      35.       2.       2.      0.10     0.003     0.001
  49           40.      35.       2.       2.      0.30     0.040     0.200
  50           40.      35.       2.       2.      0.20     0.002     0.001
  52           40.      35.       2.       2.      0.13     0.005     0.001
*** Met Seg PCP_26 61-70 Baron Fork @ DM
  61           40.      35.       2.       2.      0.28     0.070     0.001
  62   64      40.      35.       2.       2.      0.20     0.030     0.001
  65           40.      35.       2.       2.      0.18     0.030     0.001
  66   68      40.      35.       2.       2.      0.15     0.010     0.001
  69           40.      35.       2.       2.      0.35     0.070     0.200
  70           40.      35.       2.       2.      0.15     0.020     0.001
  72           40.      35.       2.       2.      0.20     0.030     0.001
*** Met Seg PCP_08 401-410
 401           40.      35.       2.       2.      0.20     0.010     0.001
 402  404      40.      35.       2.       2.      0.11     0.005     0.001
 405           40.      35.       2.       2.      0.11     0.005     0.001
 406  408      40.      35.       2.       2.      0.10     0.003     0.001
 409           40.      35.       2.       2.      0.30     0.040     0.200
 410           40.      35.       2.       2.      0.20     0.002     0.001
 412           40.      35.       2.       2.      0.11     0.005     0.001
*** Met Seg OK344672 561-570 (Kansas 2 NE) Flint Creek
 561           40.      35.       2.       2.      0.25     0.010     0.001
 562  564      40.      35.       2.       2.      0.18     0.005     0.001
 565           40.      35.       2.       2.      0.17     0.005     0.001
 566  568      40.      35.       2.       2.      0.15     0.003     0.001
 569           40.      35.       2.       2.      0.35     0.040     0.200
 570           40.      35.       2.       2.      0.18     0.002     0.001
 572           40.      35.       2.       2.      0.18     0.005     0.001
*** Met Seg WESTVILL 141-150
 141           40.      35.       2.       2.      0.20     0.010     0.001
 142  144      40.      35.       2.       2.      0.11     0.005     0.001
 145           40.      35.       2.       2.      0.13     0.005     0.001
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  146  148      40.      35.      2.      2.     0.10     0.003     0.001
  149           40.      35.      2.      2.     0.30     0.040     0.200
  150           40.      35.      2.      2.     0.15     0.002     0.001
  152           40.      35.      2.      2.     0.11     0.005     0.001
*** Met Seg OK348506 (STILWELL 5 NNW) 81-90
   81           40.      35.      2.      2.     0.25     0.010     0.001
   82   84      40.      35.      2.      2.     0.18     0.005     0.001
   85           40.      35.      2.      2.     0.20     0.005     0.001
   86   88      40.      35.      2.      2.     0.15     0.003     0.001
   89           40.      35.      2.      2.     0.30     0.040     0.200
   90           40.      35.      2.      2.     0.15     0.002     0.001
   92           40.      35.      2.      2.     0.18     0.005     0.001
*** Met Seg TAHLEQUA 621-630
  621           40.      35.      2.      2.     0.21     0.010     0.001
  622  624      40.      35.      2.      2.     0.14     0.005     0.001
  625           40.      35.      2.      2.     0.14     0.005     0.001
  626  628      40.      35.      2.      2.     0.12     0.003     0.001
  629           40.      35.      2.      2.     0.30     0.040     0.200
  630           40.      35.      2.      2.     0.16     0.002     0.001
  632           40.      35.      2.      2.     0.14     0.005     0.001
*** Met Seg AR035354 (ODELL 2 N) 661-670 (Mostly D Soils)
  661           40.      35.      2.      2.     0.17     0.010     0.001
  662  664      40.      35.      2.      2.     0.09     0.005     0.001
  665           40.      35.      2.      2.     0.09     0.005     0.001
  666  668      40.      35.      2.      2.     0.08     0.003     0.001
  669           40.      35.      2.      2.     0.25     0.040     0.200
  670           40.      35.      2.      2.     0.12     0.002     0.001
  672           40.      35.      2.      2.     0.09     0.005     0.001
*** Met Seg COOKSON 321-330
  321           40.      35.      2.      2.     0.32     0.010     0.001
  322  324      40.      35.      2.      2.     0.28     0.005     0.001
  325           40.      35.      2.      2.     0.25     0.005     0.001
  326  328      40.      35.      2.      2.     0.15     0.003     0.001
  329           40.      35.      2.      2.     0.25     0.040     0.200
  330           40.      35.      2.      2.     0.15     0.002     0.001
  332           40.      35.      2.      2.     0.28     0.005     0.001
*** Met Seg WEBBERS 641-650
  641           40.      35.      2.      2.     0.30     0.010     0.001
  642  644      40.      35.      2.      2.     0.15     0.005     0.001
  645           40.      35.      2.      2.     0.15     0.005     0.001
  646  648      40.      35.      2.      2.     0.08     0.003     0.001
  649           40.      35.      2.      2.     0.25     0.040     0.200
  650           40.      35.      2.      2.     0.15     0.002     0.001
  652           40.      35.      2.      2.     0.15     0.005     0.001
  END PWAT-PARM3

  PWAT-PARM4
*** <PLS >     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP
*** x -  x      (in)      (in)                (1/day)
*** Met Seg PCP_18 21-32 (Mostly C soils with some B and D)
   21           0.1       1.2      0.35      1.5       0.5      0.45
   22   24      0.1       0.8      0.18      1.2       0.4      0.35
   25           0.1       0.5      0.16      1.5       0.4      0.35
   26   28      0.1       0.5      0.12      1.2       0.4      0.35
   29           0.1       2.0      0.30      3.0       0.7      0.40
   30           0.1       1.0      0.15      1.5      0.45      0.35
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 32          0.1     0.8     0.18     1.2     0.4     0.35
*** Met Seg PCP_17 181-192 KARST
 181         0.1     1.2     0.35     2.2     0.55    0.45
 182  184    0.1     0.8     0.18     1.9     0.5     0.35
 185         0.1     0.5     0.16     2.0     0.5     0.35
 186  188    0.1     0.5     0.12     1.8     0.5     0.35
 189         0.1     2.0     0.30     3.0     0.7     0.40
 190         0.1     1.0     0.15     1.8     0.5     0.35
 192         0.1     0.8     0.18     1.9     0.5     0.35
*** Met Seg PCP_11 101-112 KARST (partial)
 101         0.1     1.2     0.35     2.2     0.5     0.45
 102  104    0.1     0.8     0.18     1.9     0.4     0.35
 105         0.1     0.5     0.16     2.0     0.4     0.35
 106  108    0.1     0.5     0.12     1.8     0.4     0.35
 109         0.1     2.0     0.30     3.0     0.7     0.40
 110         0.1     1.0     0.15     1.8     0.45    0.35
 112         0.1     0.8     0.18     1.9     0.4     0.35
*** Met Seg PCP_15 421-432
 421         0.1     1.2     0.35     1.5     0.5     0.45
 422  424    0.1     0.8     0.18     1.2     0.4     0.35
 425         0.1     0.5     0.16     1.5     0.4     0.35
 426  428    0.1     0.5     0.12     1.2     0.4     0.35
 429         0.1     2.0     0.30     3.0     0.7     0.40
 430         0.1     1.0     0.15     1.5     0.45    0.35
 432         0.1     0.8     0.18     1.2     0.4     0.35
*** Met Seg PCP_12 161-172 KARST
 161         0.1     1.2     0.35     2.2     0.55    0.45
 162  164    0.1     0.8     0.18     1.9     0.5     0.35
 165         0.1     0.5     0.16     2.0     0.5     0.35
 166  168    0.1     0.5     0.12     1.8     0.5     0.35
 169         0.1     2.0     0.30     3.0     0.7     0.40
 170         0.1     1.0     0.15     1.8     0.5     0.35
 172         0.1     0.8     0.18     1.9     0.5     0.35
*** Met Seg PCP_14 281-292
 281         0.1     1.2     0.35     1.5     0.55    0.45
 282  284    0.1     0.8     0.18     1.2     0.5     0.35
 285         0.1     0.5     0.16     1.5     0.5     0.35
 286  288    0.1     0.5     0.12     1.0     0.5     0.35
 289         0.1     2.0     0.30     3.0     0.7     0.40
 290         0.1     1.0     0.15     1.8     0.5     0.35
 292         0.1     0.8     0.18     1.2     0.5     0.35
*** Met Seg PCP_23 361-372
 361         0.1     1.2     0.35     3.5     0.6     0.45
 362  364    0.1     0.8     0.18     1.2     0.5     0.35
 365         0.1     0.5     0.16     1.5     0.5     0.35
 366  368    0.1     0.5     0.12     1.0     0.5     0.35
 369         0.1     2.0     0.30     3.0     0.7     0.40
 370         0.1     1.0     0.15     1.8     0.5     0.35
 372         0.1     0.8     0.18     1.2     0.5     0.35
*** Met Seg PCP_21 241-252
 241         0.1     1.5     0.35     3.5     0.6     0.45
 242  244    0.1     0.8     0.18     1.2     0.5     0.35
 245         0.1     0.5     0.16     1.5     0.5     0.35
 246  248    0.1     0.5     0.12     1.0     0.5     0.35
 249         0.1     2.0     0.30     3.0     0.7     0.40
 250         0.1     1.0     0.15     1.8     0.5     0.35
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 252          0.1      0.8      0.18      1.2      0.5      0.35
*** Met Seg PCP_20 341-352
 341          0.1      1.5      0.35      3.5      0.6      0.45
 342  344     0.1      0.8      0.18      1.2      0.5      0.35
 345          0.1      0.5      0.16      1.5      0.5      0.35
 346  348     0.1      0.5      0.12      1.0      0.5      0.35
 349          0.1      2.0      0.30      3.0      0.7      0.40
 350          0.1      1.0      0.15      1.8      0.5      0.35
 352          0.1      0.8      0.18      1.2      0.5      0.35
*** Met Seg PCP_16 261-272
 261          0.1      1.5      0.35      3.5      0.6      0.45
 262  264     0.1      0.8      0.18      1.2      0.5      0.35
 265          0.1      0.5      0.16      1.5      0.5      0.35
 266  268     0.1      0.5      0.12      1.0      0.5      0.35
 269          0.1      2.0      0.30      3.0      0.7      0.40
 270          0.1      1.0      0.15      1.8      0.5      0.35
 272          0.1      0.8      0.18      1.2      0.5      0.35
*** Met Seg PCP_00 461-472 Osage
 461          0.1      1.2      0.35      2.6      0.60     0.45
 462  464     0.1      0.8      0.18      1.7      0.50     0.35
 465          0.1      0.5      0.16      2.0      0.5      0.35
 466  468     0.1      0.5      0.12      1.2      0.45     0.35
 469          0.1      2.0      0.30      3.0      0.7      0.40
 470          0.1      1.0      0.15      1.2      0.5      0.35
 472          0.1      0.8      0.18      1.7      0.50     0.35
*** Met Seg PCP_22 381-392 Osage
 381          0.1      1.2      0.35      2.6      0.60     0.45
 382  384     0.1      0.8      0.18      1.7      0.50     0.35
 385          0.1      0.5      0.16      2.0      0.5      0.35
 386  388     0.1      0.5      0.12      1.2      0.45     0.35
 389          0.1      2.0      0.30      3.0      0.7      0.40
 390          0.1      1.0      0.15      1.5      0.5      0.35
 392          0.1      0.8      0.18      1.7      0.50     0.35
*** Met Seg PCP_03 481-492 Osage KARST (partial)
 481          0.1      1.2      0.35      2.8      0.60     0.45
 482  484     0.1      0.8      0.18      1.7      0.50     0.35
 485          0.1      0.5      0.16      2.0      0.5      0.35
 486  488     0.1      0.5      0.12      1.2      0.45     0.35
 489          0.1      2.0      0.30      3.0      0.7      0.40
 490          0.1      1.0      0.15      1.5      0.5      0.35
 492          0.1      0.8      0.18      1.7      0.50     0.35
*** Met Seg PCP_19 501-512
 501          0.1      1.5      0.35      3.5      0.6      0.45
 502  504     0.1      0.8      0.18      1.2      0.5      0.35
 505          0.1      0.5      0.16      1.5      0.5      0.35
 506  508     0.1      0.5      0.12      1.0      0.5      0.35
 509          0.1      2.0      0.30      3.0      0.7      0.40
 510          0.1      1.0      0.15      1.8      0.5      0.35
 512          0.1      0.8      0.18      1.2      0.5      0.35
*** Met Seg PCP_13 581-592
 581          0.1      1.5      0.35      3.5      0.6      0.45
 582  584     0.1      0.8      0.18      1.2      0.5      0.35
 585          0.1      0.5      0.16      1.5      0.5      0.35
 586  588     0.1      0.5      0.12      1.0      0.5      0.35
 589          0.1      2.0      0.30      3.0      0.7      0.40
 590          0.1      1.0      0.15      1.8      0.5      0.35
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 592          0.1     0.8     0.18     1.2     0.5     0.35
*** Met Seg PCP_10 541-552
 541          0.1     1.5     0.35     3.5     0.6     0.45
 542  544     0.1     0.8     0.18     1.2     0.5     0.35
 545          0.1     0.5     0.16     1.5     0.5     0.35
 546  548     0.1     0.5     0.12     1.0     0.5     0.35
 549          0.1     2.0     0.30     3.0     0.7     0.40
 550          0.1     1.0     0.15     1.8     0.5     0.35
 552          0.1     0.8     0.18     1.2     0.5     0.35
*** Met Seg PCP_05 301-312
 301          0.1     1.5     0.35     3.5     0.6     0.45
 302  304     0.1     0.8     0.18     1.2     0.5     0.35
 305          0.1     0.5     0.16     1.5     0.5     0.35
 306  308     0.1     0.5     0.12     1.0     0.5     0.35
 309          0.1     2.0     0.30     3.0     0.7     0.40
 310          0.1     1.0     0.15     1.8     0.5     0.35
 312          0.1     0.8     0.18     1.2     0.5     0.35
*** Met Seg PCP_09 201-212
 201          0.1     1.5     0.35     3.5     0.6     0.45
 202  204     0.1     0.8     0.18     1.2     0.5     0.35
 205          0.1     0.5     0.16     1.5     0.5     0.35
 206  208     0.1     0.5     0.12     1.0     0.5     0.35
 209          0.1     2.0     0.30     3.0     0.7     0.40
 210          0.1     1.0     0.15     1.8     0.5     0.35
 212          0.1     0.8     0.18     1.2     0.5     0.35
*** Met Seg PCP_07 221-232
 221          0.1     1.5     0.35     3.5     0.6     0.45
 222  224     0.1     0.8     0.18     1.2     0.5     0.35
 225          0.1     0.5     0.16     1.5     0.5     0.35
 226  228     0.1     0.5     0.12     1.0     0.5     0.35
 229          0.1     2.0     0.30     3.0     0.7     0.40
 230          0.1     1.0     0.15     1.8     0.5     0.35
 232          0.1     0.8     0.18     1.2     0.5     0.35
*** Met Seg PCP_06 121-132
 121          0.1     1.5     0.35     3.5     0.6     0.45
 122  124     0.1     0.8     0.18     1.2     0.5     0.35
 125          0.1     0.5     0.16     1.5     0.5     0.35
 126  128     0.1     0.5     0.12     1.0     0.5     0.35
 129          0.1     2.0     0.30     3.0     0.7     0.40
 130          0.1     1.0     0.15     1.8     0.5     0.35
 132          0.1     0.8     0.18     1.2     0.5     0.35
*** Met Seg PCP_02 441-452 Flint Creek
 441          0.1     1.2     0.35     2.5     0.6     0.45
 442  444     0.1     0.8     0.18     1.2     0.5     0.35
 445          0.1     0.5     0.16     1.5     0.5     0.35
 446  448     0.1     0.5     0.12     1.0     0.5     0.35
 449          0.1     2.0     0.30     3.0     0.7     0.40
 450          0.1     1.0     0.15     1.8     0.5     0.35
 452          0.1     0.8     0.18     1.2     0.5     0.35
*** Met Seg PCP_01 601-612 Flint Creek
 601          0.1     1.2     0.35     2.5     0.6     0.45
 602  604     0.1     0.8     0.18     1.2     0.5     0.35
 605          0.1     0.5     0.16     1.5     0.5     0.35
 606  608     0.1     0.5     0.12     1.0     0.5     0.35
 609          0.1     2.0     0.30     3.0     0.7     0.40
 610          0.1     1.0     0.15     1.8     0.5     0.35
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 612          0.1      0.8      0.18      1.2      0.5      0.35
*** Met Seg PCP_04 521-532 Sager Creek
 521          0.1      1.5      0.35      2.5      0.55      0.45
 522  524      0.1      0.8      0.18      1.7      0.50      0.35
 525          0.1      0.5      0.16      2.0      0.50      0.35
 526  528      0.1      0.5      0.12      1.2      0.45      0.35
 529          0.1      2.0      0.30      3.0      0.7      0.40
 530          0.1      1.0      0.15      2.0      0.5      0.35
 532          0.1      0.8      0.18      1.7      0.50      0.35
*** Met Seg PCP_24 41-52
  41          0.1      1.5      0.35      3.5      0.6      0.45
  42   44      0.1      0.8      0.18      1.2      0.5      0.35
  45          0.1      0.5      0.16      1.5      0.5      0.35
  46   48      0.1      0.5      0.12      1.0      0.5      0.35
  49          0.1      2.0      0.30      3.0      0.7      0.40
  50          0.1      1.0      0.15      1.8      0.5      0.35
  52          0.1      0.8      0.18      1.2      0.5      0.35
*** Met Seg PCP_26 61-72 Baron @ DM
  61          0.1      1.2      0.35      2.7      0.5      0.45
  62   64      0.1      0.8      0.18      1.8      0.4      0.35
  65          0.1      0.5      0.16      1.8      0.4      0.35
  66   68      0.1      0.5      0.12      1.5      0.4      0.35
  69          0.1      2.0      0.30      3.0      0.7      0.40
  70          0.1      1.0      0.15      1.8      0.45      0.35
  72          0.1      0.8      0.18      1.8      0.4      0.35
*** Met Seg PCP_08 401-412
 401          0.1      1.2      0.35      2.5      0.5      0.45
 402  404      0.1      0.6      0.18      1.2      0.4      0.35
 405          0.1      0.5      0.16      1.5      0.4      0.35
 406  408      0.1      0.5      0.12      1.0      0.4      0.35
 409          0.1      2.0      0.30      3.0      0.7      0.40
 410          0.1      1.0      0.15      1.8      0.45      0.35
 412          0.1      0.6      0.18      1.2      0.4      0.35
*** Met Seg OK344672 561-572 (Kansas 2 NE) Flint Creek
 561          0.1      1.2      0.35      2.2      0.55      0.45
 562  564      0.1      1.0      0.18      1.3      0.45      0.35
 565          0.1      0.6      0.16      1.7      0.5      0.35
 566  568      0.1      0.8      0.12      1.0      0.5      0.35
 569          0.1      2.0      0.30      3.0      0.7      0.40
 570          0.1      1.2      0.15      2.0      0.5      0.35
 572          0.1      1.0      0.18      1.3      0.45      0.35
*** Met Seg WESTVILL 141-152
 141          0.1      1.2      0.35      2.5      0.52      0.45
 142  144      0.1      0.7      0.18      1.2      0.45      0.35
 145          0.1      0.5      0.16      1.5      0.5      0.35
 146  148      0.1      0.5      0.12      1.0      0.5      0.35
 149          0.1      2.0      0.30      3.0      0.7      0.40
 150          0.1      1.0      0.15      1.8      0.5      0.35
 152          0.1      0.7      0.18      1.2      0.45      0.35
*** Met Seg OK348506 (STILWELL 5 NNW) 81-92
  81          0.1      1.2      0.35      2.5      0.52      0.45
  82   84      0.1      0.8      0.18      2.0      0.45      0.35
  85          0.1      0.6      0.16      1.8      0.5      0.35
  86   88      0.1      0.8      0.12      1.5      0.5      0.35
  89          0.1      2.0      0.30      3.0      0.7      0.40
  90          0.1      1.0      0.15      1.8      0.5      0.35
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  92          0.1      0.8      0.18      2.0      0.45      0.35
*** Met Seg TAHLEQUA 621-632
  621         0.1      1.2      0.35      2.2      0.55      0.45
  622  624     0.1      0.8      0.18      1.3      0.45      0.35
  625         0.1      0.6      0.16      1.5      0.5      0.35
  626  628     0.1      0.8      0.12      1.0      0.5      0.35
  629         0.1      2.0      0.30      3.0      0.7      0.40
  630         0.1      1.0      0.15      1.8      0.5      0.35
  632         0.1      0.8      0.18      1.3      0.45      0.35
*** Met Seg AR035354 (ODELL 2 N) 661-672 (mostly D soils)
  661         0.1      1.2      0.35      3.0      0.55      0.45
  662  664     0.1      0.6      0.18      2.0      0.45      0.35
  665         0.1      0.5      0.16      1.8      0.5      0.35
  666  668     0.1      0.8      0.12      1.5      0.5      0.35
  669         0.1      2.0      0.30      3.0      0.7      0.40
  670         0.1      0.6      0.15      1.5      0.5      0.35
  672         0.1      0.6      0.18      2.0      0.45      0.35
*** Met Seg COOKSON 321-332
  321         0.1      1.2      0.35      2.5      0.55      0.45
  322  324     0.1      0.6      0.18      2.0      0.50      0.35
  325         0.1      0.5      0.16      1.8      0.50      0.35
  326  328     0.1      0.8      0.12      1.5      0.5      0.35
  329         0.1      2.0      0.30      3.0      0.7      0.40
  330         0.1      0.6      0.15      1.5      0.50      0.35
  332         0.1      0.6      0.18      2.0      0.50      0.35
*** Met Seg WEBBERS 641-652
  641         0.1      1.2      0.35      2.5      0.6      0.45
  642  644     0.1      0.6      0.18      2.0      0.5      0.35
  645         0.1      0.5      0.16      1.8      0.5      0.35
  646  648     0.1      0.8      0.12      1.5      0.5      0.35
  649         0.1      2.0      0.30      3.0      0.7      0.40
  650         0.1      0.6      0.15      1.5      0.5      0.35
  652         0.1      0.6      0.18      2.0      0.5      0.35
  END PWAT-PARM4

  PWAT-STATE1
*** < PLS>  PWATER state variables (in)
*** x  - x     CEPS     SURS      UZS     IFWS      LZS     AGWS      GWVS
  21          0.00     0.00      2.0     0.00      7.5     1.20      0.00
  22   28     0.00     0.00      1.3     0.00      6.0     0.80      0.00
  29          0.00     0.00      3.0     0.00      5.5     2.60      0.00
  30          0.00     0.00      1.3     0.00      6.5     0.80      0.00
  32          0.00     0.00      1.3     0.00      6.0     0.80      0.00
  41          0.00     0.00      2.0     0.00      6.5     0.80      0.00
  42   48     0.00     0.00      1.3     0.00      5.6     0.60      0.00
  49          0.00     0.00      3.0     0.00      4.7     2.60      0.00
  50          0.00     0.00      1.3     0.00      5.6     0.60      0.00
  52          0.00     0.00      1.3     0.00      5.6     0.60      0.00
  52          0.00     0.00      1.3     0.00      5.6     0.60      0.00
  61          0.00     0.00      2.0     0.00      7.5     1.20      0.00
  62   68     0.00     0.00      1.3     0.00      6.0     0.80      0.00
  69          0.00     0.00      3.0     0.00      5.5     2.60      0.00
  70          0.00     0.00      1.3     0.00      6.5     0.80      0.00
  72          0.00     0.00      1.3     0.00      6.0     0.80      0.00
  81          0.00     0.00      2.0     0.00      6.5     0.80      0.00
  82   88     0.00     0.00      1.3     0.00      5.6     0.60      0.00
```

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 89 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 90 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 92 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 101 | | 0.00 | 0.00 | 2.0 | 0.00 | 7.5 | 1.20 | 0.00 |
| 102 | 108 | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 109 | | 0.00 | 0.00 | 3.0 | 0.00 | 5.5 | 2.60 | 0.00 |
| 110 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.5 | 0.80 | 0.00 |
| 112 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 121 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 122 | 128 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 129 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 130 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 132 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 141 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 142 | 148 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 149 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 150 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 152 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 161 | | 0.00 | 0.00 | 2.0 | 0.00 | 7.5 | 1.20 | 0.00 |
| 162 | 168 | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 169 | | 0.00 | 0.00 | 3.0 | 0.00 | 5.5 | 2.60 | 0.00 |
| 170 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.5 | 0.80 | 0.00 |
| 172 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 181 | | 0.00 | 0.00 | 2.0 | 0.00 | 7.5 | 1.20 | 0.00 |
| 182 | 188 | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 189 | | 0.00 | 0.00 | 3.0 | 0.00 | 5.5 | 2.60 | 0.00 |
| 190 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.5 | 0.80 | 0.00 |
| 192 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 201 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 202 | 208 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 209 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 210 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 212 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 221 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 222 | 228 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 229 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 230 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 232 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 241 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 242 | 248 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 249 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 250 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 252 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 261 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 262 | 268 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 269 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 270 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 272 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 281 | | 0.00 | 0.00 | 2.0 | 0.00 | 7.5 | 1.20 | 0.00 |
| 282 | 288 | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 289 | | 0.00 | 0.00 | 3.0 | 0.00 | 5.5 | 2.60 | 0.00 |
| 290 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.5 | 0.80 | 0.00 |
| 292 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 301 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 302 | 308 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 309 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 310 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 312 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 321 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 322 | 328 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 329 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 330 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 332 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 341 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 342 | 348 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 349 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 350 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 352 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 361 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 362 | 368 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 369 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 370 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 372 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 381 | | 0.00 | 0.00 | 2.0 | 0.00 | 7.5 | 1.20 | 0.00 |
| 382 | 388 | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 389 | | 0.00 | 0.00 | 3.0 | 0.00 | 5.5 | 2.60 | 0.00 |
| 390 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.5 | 0.80 | 0.00 |
| 392 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 401 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 402 | 408 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 409 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 410 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 412 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 421 | | 0.00 | 0.00 | 2.0 | 0.00 | 7.5 | 1.20 | 0.00 |
| 422 | 428 | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 429 | | 0.00 | 0.00 | 3.0 | 0.00 | 5.5 | 2.60 | 0.00 |
| 430 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.5 | 0.80 | 0.00 |
| 432 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 441 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 442 | 448 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 449 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 450 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 452 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 461 | | 0.00 | 0.00 | 2.0 | 0.00 | 7.5 | 1.20 | 0.00 |
| 462 | 468 | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 469 | | 0.00 | 0.00 | 3.0 | 0.00 | 5.5 | 2.60 | 0.00 |
| 470 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.5 | 0.80 | 0.00 |
| 472 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 481 | | 0.00 | 0.00 | 2.0 | 0.00 | 7.5 | 1.20 | 0.00 |
| 482 | 488 | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 489 | | 0.00 | 0.00 | 3.0 | 0.00 | 5.5 | 2.60 | 0.00 |
| 490 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.5 | 0.80 | 0.00 |
| 492 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 501 | | 0.00 | 0.00 | 2.0 | 0.00 | 6.5 | 0.80 | 0.00 |
| 502 | 508 | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 509 | | 0.00 | 0.00 | 3.0 | 0.00 | 4.7 | 2.60 | 0.00 |
| 510 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 512 | | 0.00 | 0.00 | 1.3 | 0.00 | 5.6 | 0.60 | 0.00 |
| 521 | | 0.00 | 0.00 | 2.0 | 0.00 | 7.5 | 1.20 | 0.00 |
| 522 | 528 | 0.00 | 0.00 | 1.3 | 0.00 | 6.0 | 0.80 | 0.00 |
| 529 | | 0.00 | 0.00 | 3.0 | 0.00 | 5.5 | 2.60 | 0.00 |
| 530 | | 0.00 | 0.00 | 1.3 | 0.00 | 6.5 | 0.80 | 0.00 |

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 532        0.00     0.00     1.3     0.00     6.0     0.80     0.00
 541        0.00     0.00     2.0     0.00     6.5     0.80     0.00
 542  548     0.00     0.00     1.3     0.00     5.6     0.60     0.00
 549        0.00     0.00     3.0     0.00     4.7     2.60     0.00
 550        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 552        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 561        0.00     0.00     2.0     0.00     6.5     0.80     0.00
 562  568     0.00     0.00     1.3     0.00     5.6     0.60     0.00
 569        0.00     0.00     3.0     0.00     4.7     2.60     0.00
 570        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 572        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 581        0.00     0.00     2.0     0.00     6.5     0.80     0.00
 582  588     0.00     0.00     1.3     0.00     5.6     0.60     0.00
 589        0.00     0.00     3.0     0.00     4.7     2.60     0.00
 590        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 592        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 601        0.00     0.00     2.0     0.00     6.5     0.80     0.00
 602  608     0.00     0.00     1.3     0.00     5.6     0.60     0.00
 609        0.00     0.00     3.0     0.00     4.7     2.60     0.00
 610        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 612        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 621        0.00     0.00     2.0     0.00     6.5     0.80     0.00
 622  628     0.00     0.00     1.3     0.00     5.6     0.60     0.00
 629        0.00     0.00     3.0     0.00     4.7     2.60     0.00
 630        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 632        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 641        0.00     0.00     2.0     0.00     6.5     0.80     0.00
 642  648     0.00     0.00     1.3     0.00     5.6     0.60     0.00
 649        0.00     0.00     3.0     0.00     4.7     2.60     0.00
 650        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 652        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 661        0.00     0.00     2.0     0.00     6.5     0.80     0.00
 662  668     0.00     0.00     1.3     0.00     5.6     0.60     0.00
 669        0.00     0.00     3.0     0.00     4.7     2.60     0.00
 670        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 672        0.00     0.00     1.3     0.00     5.6     0.60     0.00
 END PWAT-STATE1

 MON-INTERCEP
*** <PLS >  Interception storage capacity at start of each month (in)
*** x -  x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
*** Met Seg PCP_18 21-32
  21      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
  22   24 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
  25      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
  26   28 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
  29      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
  30      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
  32      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_24 41-52
  41      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
  42   44 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
  45      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
  46   48 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
  49      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
  50      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
```

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  52      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_26 61-72
  61      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
  62   64 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
  65      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
  66   68 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
  69      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
  70      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
  72      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg OK348506 (STILWELL 5 NNW) 81-92
  81      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
  82   84 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
  85      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
  86   88 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
  89      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
  90      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
  92      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_11 101-112
 101      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 102  104 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 105      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 106  108 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 109      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 110      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 112      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_06 121-132
 121      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 122  124 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 125      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 126  128 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 129      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 130      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 132      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg WESTVILL 141-152
 141      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 142  144 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 145      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 146  148 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 149      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 150      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 152      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_12 161-172
 161      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 162  164 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 165      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 166  168 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 169      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 170      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 172      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_17 181-192
 181      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 182  184 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 185      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 186  188 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 189      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 190      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
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 192      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_09 201-212
 201      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 202  204 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 205      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 206  208 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 209      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 210      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 212      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_07 221-232
 221      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 222  224 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 225      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 226  228 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 229      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 230      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 232      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_21 241-252
 241      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 242  244 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 245      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 246  248 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 249      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 250      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 252      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_16 261-272
 261      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 262  264 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 265      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 266  268 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 269      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 270      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 272      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_14 281-292
 281      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 282  284 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 285      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 286  288 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 289      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 290      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 292      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_05 301-312
 301      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 302  304 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 305      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 306  308 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 309      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 310      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 312      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg COOKSON 321-332
 321      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 322  324 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 325      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 326  328 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 329      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 330      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
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 332      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_20 341-352
 341      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 342  344 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 345      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 346  348 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 349      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 350      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 352      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_23 361-372
 361      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 362  364 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 365      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 366  368 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 369      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 370      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 372      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_22 381-392
 381      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 382  384 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 385      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 386  388 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 389      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 390      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 392      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_08 401-412
 401      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 402  404 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 405      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 406  408 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 409      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 410      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 412      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_15 421-432
 421      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 422  424 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 425      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 426  428 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 429      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 430      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 432      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_02 441-452
 441      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 442  444 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 445      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 446  448 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 449      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 450      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 452      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_00 461-472
 461      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 462  464 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 465      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 466  468 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 469      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 470      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
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 472      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_03 481-492
 481      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 482  484 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 485      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 486  488 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 489      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 490      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 492      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_19 501-512
 501      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 502  504 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 505      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 506  508 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 509      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 510      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 512      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_04 521-532
 521      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 522  524 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 525      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 526  528 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 529      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 530      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 532      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_10 541-552
 541      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 542  544 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 545      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 546  548 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 549      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 550      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 552      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg OK344672 561-572
 561      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 562  564 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 565      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 566  568 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 569      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 570      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 572      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_13 581-592
 581      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 582  584 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 585      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 586  588 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 589      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 590      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
 592      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg PCP_01 601-612
 601      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
 602  604 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
 605      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
 606  608 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
 609      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
 610      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
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  612      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg TAHLEQUA 621-632
  621      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
  622  624 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
  625      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
  626  628 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
  629      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
  630      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
  632      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg WEBBERS 641-652
  641      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
  642  644 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
  645      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
  646  648 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
  649      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
  650      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
  652      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
*** Met Seg AR035354 (ODELL 2 N) 661-672
  661      0.07 0.07 0.08  0.1 0.16  0.2 0.22 0.22  0.2 0.16 0.080.075
  662  664 0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
  665      0.04 0.040.0450.058 0.06 0.08 0.08 0.08 0.08 0.07 0.05 0.04
  666  668 0.05 0.05 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.05 0.05
  669      0.04 0.04 0.05 0.06 0.06 0.08  0.1 0.08 0.06 0.04 0.04 0.04
  670      0.04 0.04 0.04 0.04 0.07 0.13 0.16 0.16 0.15  0.1 0.07 0.05
  672      0.05 0.050.0550.075 0.11 0.13 0.15 0.15 0.12 0.08 0.07 0.06
  END MON-INTERCEP

  MON-LZETPARM
*** <PLS >  Lower zone evapotransp   parm at start of each month
*** x -  x JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
*** Met Seg PCP_18 21-30
*** Met Seg PCP_18 21-32
   21       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
   22   24 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
   25      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
   26   28 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
   29      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
   30      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
   32      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_24 41-52
   41       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
   42   44 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
   45      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
   46   48 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
   49      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
   50      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
   52      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_26 61-72
   61       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
   62   64 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
   65      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
   66   68 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
   69      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
   70      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
   72      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg OK348506 (STILWELL 5 NNW) 81-92
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  81       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
  82   84 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
  85      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
  86   88 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
  89      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
  90      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
  92      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_11 101-112
 101       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 102  104 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 105      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 106  108 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 109      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 110      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 112      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_06 121-132
 121       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 122  124 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 125      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 126  128 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 129      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 130      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 132      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg WESTVILL 141-152
 141       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 142  144 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 145      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 146  148 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 149      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 150      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 152      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_12 161-172
 161       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 162  164 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 165      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 166  168 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 169      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 170      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 172      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_17 181-192
 181       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 182  184 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 185      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 186  188 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 189      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 190      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 192      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_09 201-212
 201       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 202  204 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 205      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 206  208 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 209      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 210      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 212      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_07 221-232
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 221       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 222  224 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 225      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 226  228 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 229      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 230      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 232      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_21 241-252
 241       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 242  244 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 245      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 246  248 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 249      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 250      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 252      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_16 261-272
 261       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 262  264 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 265      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 266  268 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 269      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 270      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 272      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_14 281-292
 281       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 282  284 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 285      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 286  288 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 289      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 290      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 292      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_05 301-312
 301       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 302  304 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 305      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 306  308 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 309      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 310      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 312      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg COOKSON 321-332
 321       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 322  324 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 325      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 326  328 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 329      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 330      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 332      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_20 341-352
 341       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 342  344 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 345      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 346  348 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 349      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 350      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 352      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_23 361-372
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 361       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 362  364 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 365      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 366  368 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 369      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 370      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 372      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_22 381-392
 381       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 382  384 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 385      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 386  388 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 389      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 390      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 392      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_08 401-412
 401       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 402  404 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 405      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 406  408 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 409      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 410      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 412      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_15 421-432
 421       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 422  424 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 425      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 426  428 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 429      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 430      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 432      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_02 441-452
 441       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 442  444 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 445      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 446  448 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 449      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 450      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 452      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_00 461-472
 461       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 462  464 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 465      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 466  468 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 469      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 470      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 472      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_03 481-492
 481       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 482  484 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 485      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 486  488 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 489      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 490      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 492      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_19 501-512
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 501       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 502  504 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 505      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 506  508 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 509      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 510      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 512      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_04 521-532
 521       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 522  524 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 525      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 526  528 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 529      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 530      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 532      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_10 541-552
 541       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 542  544 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 545      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 546  548 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 549      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 550      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 552      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg OK344672 561-570
 561       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 562  564 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 565      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 566  568 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 569      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 570      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 572      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_13 581-592
 581       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 582  584 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 585      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 586  588 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 589      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 590      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 592      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg PCP_01 601-612
 601       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 602  604 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 605      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 606  608 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 609      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 610      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 612      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg TAHLEQUA 621-632
 621       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
 622  624 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
 625      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
 626  628 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
 629      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
 630      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
 632      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg WEBBERS 641-650
```

```
  641       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
  642  644 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
  645      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
  646  648 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
  649      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
  650      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
  652      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
*** Met Seg AR035354 (ODELL 2 N) 661-670
  661       0.2  0.2  0.3  0.4  0.5 0.55 0.65 0.65 0.65  0.6 0.35  0.2
  662  664 0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
  665      0.15 0.15 0.19 0.25  0.3  0.4 0.45 0.45 0.45  0.4 0.25 0.15
  666  668 0.19 0.19 0.28  0.3  0.4  0.5  0.5  0.5  0.5  0.3  0.2 0.19
  669      0.19 0.19 0.28  0.3 0.45 0.45 0.45 0.45 0.45 0.45  0.4 0.19
  670      0.15 0.19 0.19 0.25 0.35 0.55 0.65 0.75  0.5 0.15  0.1  0.1
  672      0.19 0.19 0.25  0.3  0.4  0.5 0.55 0.55 0.55  0.5  0.3 0.19
  END MON-LZETPARM

  SED-PARM1
*** <PLS >  Sediment parameters 1
*** x -  x  CRV VSIV SDOP
   21  672    1    0    1
  END SED-PARM1

  SED-PARM2
*** <PLS >      SMPF      KRER      JRER     AFFIX     COVER      NVSI
*** x -  x                          (/day)    lb/ac-day
*** Forest
   21          1.0     0.279       2.0     0.012       1.0       0.8
   41          1.0     0.280       2.0     0.012       1.0       0.8
   61          1.0     0.286       2.0     0.012       1.0       0.8
   81          1.0     0.291       2.0     0.012       1.0       0.8
  101          1.0     0.319       2.0     0.012       1.0       0.8
  121          1.0     0.313       2.0     0.012       1.0       0.8
  141          1.0     0.293       2.0     0.012       1.0       0.8
  161          1.0     0.321       2.0     0.012       1.0       0.8
  181          1.0     0.329       2.0     0.012       1.0       0.8
  201          1.0     0.333       2.0     0.012       1.0       0.8
  221          1.0     0.324       2.0     0.012       1.0       0.8
  241          1.0     0.333       2.0     0.012       1.0       0.8
  261          1.0     0.314       2.0     0.012       1.0       0.8
  281          1.0     0.316       2.0     0.012       1.0       0.8
  301          1.0     0.327       2.0     0.012       1.0       0.8
  321          1.0     0.257       2.0     0.012       1.0       0.8
  341          1.0     0.333       2.0     0.012       1.0       0.8
  361          1.0     0.295       2.0     0.012       1.0       0.8
  381          1.0     0.328       2.0     0.012       1.0       0.8
  401          1.0     0.300       2.0     0.012       1.0       0.8
  421          1.0     0.279       2.0     0.012       1.0       0.8
  441          1.0     0.322       2.0     0.012       1.0       0.8
  461          1.0     0.336       2.0     0.012       1.0       0.8
  481          1.0     0.338       2.0     0.012       1.0       0.8
  501          1.0     0.326       2.0     0.012       1.0       0.8
  521          1.0     0.341       2.0     0.012       1.0       0.8
  541          1.0     0.314       2.0     0.012       1.0       0.8
  561          1.0     0.296       2.0     0.012       1.0       0.8
  581          1.0     0.313       2.0     0.012       1.0       0.8
```

| | | | | | | |
|---|---|---|---|---|---|---|
| 601 | 1.0 | 0.338 | 2.0 | 0.012 | 1.0 | 0.8 |
| 621 | 1.0 | 0.305 | 2.0 | 0.012 | 1.0 | 0.8 |
| 641 | 1.0 | 0.306 | 2.0 | 0.012 | 1.0 | 0.8 |
| 661 | 1.0 | 0.279 | 2.0 | 0.012 | 1.0 | 0.8 |
| *** Pasture1 (Slope < 2.5%) | | | | | | |
| 22 | 1.0 | 0.290 | 2.0 | 0.012 | 1.0 | 1.0 |
| 42 | 1.0 | 0.294 | 2.0 | 0.012 | 1.0 | 1.0 |
| 62 | 1.0 | 0.303 | 2.0 | 0.012 | 1.0 | 1.0 |
| 82 | 1.0 | 0.300 | 2.0 | 0.012 | 1.0 | 1.0 |
| 102 | 1.0 | 0.333 | 2.0 | 0.012 | 1.0 | 1.0 |
| 122 | 1.0 | 0.328 | 2.0 | 0.012 | 1.0 | 1.0 |
| 142 | 1.0 | 0.311 | 2.0 | 0.012 | 1.0 | 1.0 |
| 162 | 1.0 | 0.342 | 2.0 | 0.012 | 1.0 | 1.0 |
| 182 | 1.0 | 0.363 | 2.0 | 0.012 | 1.0 | 1.0 |
| 202 | 1.0 | 0.343 | 2.0 | 0.012 | 1.0 | 1.0 |
| 222 | 1.0 | 0.335 | 2.0 | 0.012 | 1.0 | 1.0 |
| 242 | 1.0 | 0.365 | 2.0 | 0.012 | 1.0 | 1.0 |
| 262 | 1.0 | 0.342 | 2.0 | 0.012 | 1.0 | 1.0 |
| 282 | 1.0 | 0.338 | 2.0 | 0.012 | 1.0 | 1.0 |
| 302 | 1.0 | 0.347 | 2.0 | 0.012 | 1.0 | 1.0 |
| 322 | 1.0 | 0.280 | 2.0 | 0.012 | 1.0 | 1.0 |
| 342 | 1.0 | 0.356 | 2.0 | 0.012 | 1.0 | 1.0 |
| 362 | 1.0 | 0.316 | 2.0 | 0.012 | 1.0 | 1.0 |
| 382 | 1.0 | 0.361 | 2.0 | 0.012 | 1.0 | 1.0 |
| 402 | 1.0 | 0.316 | 2.0 | 0.012 | 1.0 | 1.0 |
| 422 | 1.0 | 0.279 | 2.0 | 0.012 | 1.0 | 1.0 |
| 442 | 1.0 | 0.339 | 2.0 | 0.012 | 1.0 | 1.0 |
| 462 | 1.0 | 0.365 | 2.0 | 0.012 | 1.0 | 1.0 |
| 482 | 1.0 | 0.363 | 2.0 | 0.012 | 1.0 | 1.0 |
| 502 | 1.0 | 0.354 | 2.0 | 0.012 | 1.0 | 1.0 |
| 522 | 1.0 | 0.373 | 2.0 | 0.012 | 1.0 | 1.0 |
| 542 | 1.0 | 0.338 | 2.0 | 0.012 | 1.0 | 1.0 |
| 562 | 1.0 | 0.310 | 2.0 | 0.012 | 1.0 | 1.0 |
| 582 | 1.0 | 0.338 | 2.0 | 0.012 | 1.0 | 1.0 |
| 602 | 1.0 | 0.359 | 2.0 | 0.012 | 1.0 | 1.0 |
| 622 | 1.0 | 0.312 | 2.0 | 0.012 | 1.0 | 1.0 |
| 642 | 1.0 | 0.309 | 2.0 | 0.012 | 1.0 | 1.0 |
| 662 | 1.0 | 0.290 | 2.0 | 0.012 | 1.0 | 1.0 |
| *** Pasture2 (2.5% < Slope < 4.0%) | | | | | | |
| 23 | 1.0 | 0.296 | 2.0 | 0.012 | 1.0 | 1.0 |
| 43 | 1.0 | 0.300 | 2.0 | 0.012 | 1.0 | 1.0 |
| 63 | 1.0 | 0.306 | 2.0 | 0.012 | 1.0 | 1.0 |
| 83 | 1.0 | 0.306 | 2.0 | 0.012 | 1.0 | 1.0 |
| 103 | 1.0 | 0.344 | 2.0 | 0.012 | 1.0 | 1.0 |
| 123 | 1.0 | 0.337 | 2.0 | 0.012 | 1.0 | 1.0 |
| 143 | 1.0 | 0.323 | 2.0 | 0.012 | 1.0 | 1.0 |
| 163 | 1.0 | 0.352 | 2.0 | 0.012 | 1.0 | 1.0 |
| 183 | 1.0 | 0.373 | 2.0 | 0.012 | 1.0 | 1.0 |
| 203 | 1.0 | 0.352 | 2.0 | 0.012 | 1.0 | 1.0 |
| 223 | 1.0 | 0.346 | 2.0 | 0.012 | 1.0 | 1.0 |
| 243 | 1.0 | 0.367 | 2.0 | 0.012 | 1.0 | 1.0 |
| 263 | 1.0 | 0.349 | 2.0 | 0.012 | 1.0 | 1.0 |
| 283 | 1.0 | 0.346 | 2.0 | 0.012 | 1.0 | 1.0 |
| 303 | 1.0 | 0.358 | 2.0 | 0.012 | 1.0 | 1.0 |
| 323 | 1.0 | 0.283 | 2.0 | 0.012 | 1.0 | 1.0 |
| 343 | 1.0 | 0.361 | 2.0 | 0.012 | 1.0 | 1.0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 363 | 1.0 | 0.319 | 2.0 | 0.012 | 1.0 | 1.0 |
| 383 | 1.0 | 0.370 | 2.0 | 0.012 | 1.0 | 1.0 |
| 403 | 1.0 | 0.319 | 2.0 | 0.012 | 1.0 | 1.0 |
| 423 | 1.0 | 0.285 | 2.0 | 0.012 | 1.0 | 1.0 |
| 443 | 1.0 | 0.347 | 2.0 | 0.012 | 1.0 | 1.0 |
| 463 | 1.0 | 0.370 | 2.0 | 0.012 | 1.0 | 1.0 |
| 483 | 1.0 | 0.371 | 2.0 | 0.012 | 1.0 | 1.0 |
| 503 | 1.0 | 0.365 | 2.0 | 0.012 | 1.0 | 1.0 |
| 523 | 1.0 | 0.382 | 2.0 | 0.012 | 1.0 | 1.0 |
| 543 | 1.0 | 0.356 | 2.0 | 0.012 | 1.0 | 1.0 |
| 563 | 1.0 | 0.321 | 2.0 | 0.012 | 1.0 | 1.0 |
| 583 | 1.0 | 0.347 | 2.0 | 0.012 | 1.0 | 1.0 |
| 603 | 1.0 | 0.370 | 2.0 | 0.012 | 1.0 | 1.0 |
| 623 | 1.0 | 0.315 | 2.0 | 0.012 | 1.0 | 1.0 |
| 643 | 1.0 | 0.309 | 2.0 | 0.012 | 1.0 | 1.0 |
| 663 | 1.0 | 0.294 | 2.0 | 0.012 | 1.0 | 1.0 |

*** Pasture3 (Slope >= 4.0%)

| | | | | | | |
|---|---|---|---|---|---|---|
| 24 | 1.0 | 0.288 | 2.0 | 0.012 | 1.0 | 1.0 |
| 44 | 1.0 | 0.286 | 2.0 | 0.012 | 1.0 | 1.0 |
| 64 | 1.0 | 0.298 | 2.0 | 0.012 | 1.0 | 1.0 |
| 84 | 1.0 | 0.295 | 2.0 | 0.012 | 1.0 | 1.0 |
| 104 | 1.0 | 0.332 | 2.0 | 0.012 | 1.0 | 1.0 |
| 124 | 1.0 | 0.329 | 2.0 | 0.012 | 1.0 | 1.0 |
| 144 | 1.0 | 0.313 | 2.0 | 0.012 | 1.0 | 1.0 |
| 164 | 1.0 | 0.341 | 2.0 | 0.012 | 1.0 | 1.0 |
| 184 | 1.0 | 0.355 | 2.0 | 0.012 | 1.0 | 1.0 |
| 204 | 1.0 | 0.347 | 2.0 | 0.012 | 1.0 | 1.0 |
| 224 | 1.0 | 0.337 | 2.0 | 0.012 | 1.0 | 1.0 |
| 244 | 1.0 | 0.372 | 2.0 | 0.012 | 1.0 | 1.0 |
| 264 | 1.0 | 0.352 | 2.0 | 0.012 | 1.0 | 1.0 |
| 284 | 1.0 | 0.339 | 2.0 | 0.012 | 1.0 | 1.0 |
| 304 | 1.0 | 0.356 | 2.0 | 0.012 | 1.0 | 1.0 |
| 324 | 1.0 | 0.273 | 2.0 | 0.012 | 1.0 | 1.0 |
| 344 | 1.0 | 0.347 | 2.0 | 0.012 | 1.0 | 1.0 |
| 364 | 1.0 | 0.324 | 2.0 | 0.012 | 1.0 | 1.0 |
| 384 | 1.0 | 0.373 | 2.0 | 0.012 | 1.0 | 1.0 |
| 404 | 1.0 | 0.310 | 2.0 | 0.012 | 1.0 | 1.0 |
| 424 | 1.0 | 0.278 | 2.0 | 0.012 | 1.0 | 1.0 |
| 444 | 1.0 | 0.356 | 2.0 | 0.012 | 1.0 | 1.0 |
| 464 | 1.0 | 0.375 | 2.0 | 0.012 | 1.0 | 1.0 |
| 484 | 1.0 | 0.379 | 2.0 | 0.012 | 1.0 | 1.0 |
| 504 | 1.0 | 0.378 | 2.0 | 0.012 | 1.0 | 1.0 |
| 524 | 1.0 | 0.385 | 2.0 | 0.012 | 1.0 | 1.0 |
| 544 | 1.0 | 0.362 | 2.0 | 0.012 | 1.0 | 1.0 |
| 564 | 1.0 | 0.316 | 2.0 | 0.012 | 1.0 | 1.0 |
| 584 | 1.0 | 0.354 | 2.0 | 0.012 | 1.0 | 1.0 |
| 604 | 1.0 | 0.377 | 2.0 | 0.012 | 1.0 | 1.0 |
| 624 | 1.0 | 0.308 | 2.0 | 0.012 | 1.0 | 1.0 |
| 644 | 1.0 | 0.324 | 2.0 | 0.012 | 1.0 | 1.0 |
| 664 | 1.0 | 0.282 | 2.0 | 0.012 | 1.0 | 1.0 |

*** Grass/Shrub/Barren

| | | | | | | |
|---|---|---|---|---|---|---|
| 25 | 1.0 | 0.272 | 2.0 | 0.012 | 1.0 | 2.0 |
| 45 | 1.0 | 0.265 | 2.0 | 0.012 | 1.0 | 2.0 |
| 65 | 1.0 | 0.274 | 2.0 | 0.012 | 1.0 | 2.0 |
| 85 | 1.0 | 0.282 | 2.0 | 0.012 | 1.0 | 2.0 |
| 105 | 1.0 | 0.294 | 2.0 | 0.012 | 1.0 | 2.0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 125 | 1.0 | 0.279 | 2.0 | 0.012 | 1.0 | 2.0 |
| 145 | 1.0 | 0.287 | 2.0 | 0.012 | 1.0 | 2.0 |
| 165 | 1.0 | 0.300 | 2.0 | 0.012 | 1.0 | 2.0 |
| 185 | 1.0 | 0.304 | 2.0 | 0.012 | 1.0 | 2.0 |
| 205 | 1.0 | 0.298 | 2.0 | 0.012 | 1.0 | 2.0 |
| 225 | 1.0 | 0.299 | 2.0 | 0.012 | 1.0 | 2.0 |
| 245 | 1.0 | 0.341 | 2.0 | 0.012 | 1.0 | 2.0 |
| 265 | 1.0 | 0.305 | 2.0 | 0.012 | 1.0 | 2.0 |
| 285 | 1.0 | 0.301 | 2.0 | 0.012 | 1.0 | 2.0 |
| 305 | 1.0 | 0.305 | 2.0 | 0.012 | 1.0 | 2.0 |
| 325 | 1.0 | 0.230 | 2.0 | 0.012 | 1.0 | 2.0 |
| 345 | 1.0 | 0.319 | 2.0 | 0.012 | 1.0 | 2.0 |
| 365 | 1.0 | 0.301 | 2.0 | 0.012 | 1.0 | 2.0 |
| 385 | 1.0 | 0.339 | 2.0 | 0.012 | 1.0 | 2.0 |
| 405 | 1.0 | 0.275 | 2.0 | 0.012 | 1.0 | 2.0 |
| 425 | 1.0 | 0.264 | 2.0 | 0.012 | 1.0 | 2.0 |
| 445 | 1.0 | 0.322 | 2.0 | 0.012 | 1.0 | 2.0 |
| 465 | 1.0 | 0.355 | 2.0 | 0.012 | 1.0 | 2.0 |
| 485 | 1.0 | 0.352 | 2.0 | 0.012 | 1.0 | 2.0 |
| 505 | 1.0 | 0.339 | 2.0 | 0.012 | 1.0 | 2.0 |
| 525 | 1.0 | 0.307 | 2.0 | 0.012 | 1.0 | 2.0 |
| 545 | 1.0 | 0.311 | 2.0 | 0.012 | 1.0 | 2.0 |
| 565 | 1.0 | 0.288 | 2.0 | 0.012 | 1.0 | 2.0 |
| 585 | 1.0 | 0.310 | 2.0 | 0.012 | 1.0 | 2.0 |
| 605 | 1.0 | 0.316 | 2.0 | 0.012 | 1.0 | 2.0 |
| 625 | 1.0 | 0.294 | 2.0 | 0.012 | 1.0 | 2.0 |
| 645 | 1.0 | 0.224 | 2.0 | 0.012 | 1.0 | 2.0 |
| 665 | 1.0 | 0.246 | 2.0 | 0.012 | 1.0 | 2.0 |

*** Developed, Open

| | | | | | | |
|---|---|---|---|---|---|---|
| 26 | 1.0 | 0.284 | 2.0 | 0.012 | 1.0 | 2.0 |
| 46 | 1.0 | 0.285 | 2.0 | 0.012 | 1.0 | 2.0 |
| 66 | 1.0 | 0.289 | 2.0 | 0.012 | 1.0 | 2.0 |
| 86 | 1.0 | 0.294 | 2.0 | 0.012 | 1.0 | 2.0 |
| 106 | 1.0 | 0.335 | 2.0 | 0.012 | 1.0 | 2.0 |
| 126 | 1.0 | 0.334 | 2.0 | 0.012 | 1.0 | 2.0 |
| 146 | 1.0 | 0.299 | 2.0 | 0.012 | 1.0 | 2.0 |
| 166 | 1.0 | 0.333 | 2.0 | 0.012 | 1.0 | 2.0 |
| 186 | 1.0 | 0.358 | 2.0 | 0.012 | 1.0 | 2.0 |
| 206 | 1.0 | 0.346 | 2.0 | 0.012 | 1.0 | 2.0 |
| 226 | 1.0 | 0.332 | 2.0 | 0.012 | 1.0 | 2.0 |
| 246 | 1.0 | 0.355 | 2.0 | 0.012 | 1.0 | 2.0 |
| 266 | 1.0 | 0.317 | 2.0 | 0.012 | 1.0 | 2.0 |
| 286 | 1.0 | 0.315 | 2.0 | 0.012 | 1.0 | 2.0 |
| 306 | 1.0 | 0.321 | 2.0 | 0.012 | 1.0 | 2.0 |
| 326 | 1.0 | 0.245 | 2.0 | 0.012 | 1.0 | 2.0 |
| 346 | 1.0 | 0.351 | 2.0 | 0.012 | 1.0 | 2.0 |
| 366 | 1.0 | 0.312 | 2.0 | 0.012 | 1.0 | 2.0 |
| 386 | 1.0 | 0.360 | 2.0 | 0.012 | 1.0 | 2.0 |
| 406 | 1.0 | 0.301 | 2.0 | 0.012 | 1.0 | 2.0 |
| 426 | 1.0 | 0.282 | 2.0 | 0.012 | 1.0 | 2.0 |
| 446 | 1.0 | 0.331 | 2.0 | 0.012 | 1.0 | 2.0 |
| 466 | 1.0 | 0.366 | 2.0 | 0.012 | 1.0 | 2.0 |
| 486 | 1.0 | 0.365 | 2.0 | 0.012 | 1.0 | 2.0 |
| 506 | 1.0 | 0.358 | 2.0 | 0.012 | 1.0 | 2.0 |
| 526 | 1.0 | 0.372 | 2.0 | 0.012 | 1.0 | 2.0 |
| 546 | 1.0 | 0.311 | 2.0 | 0.012 | 1.0 | 2.0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 566 | 1.0 | 0.298 | 2.0 | 0.012 | 1.0 | 2.0 |
| 586 | 1.0 | 0.319 | 2.0 | 0.012 | 1.0 | 2.0 |
| 606 | 1.0 | 0.350 | 2.0 | 0.012 | 1.0 | 2.0 |
| 626 | 1.0 | 0.307 | 2.0 | 0.012 | 1.0 | 2.0 |
| 646 | 1.0 | 0.289 | 2.0 | 0.012 | 1.0 | 2.0 |
| 666 | 1.0 | 0.274 | 2.0 | 0.012 | 1.0 | 2.0 |
| *** Developed, Low | | | | | | |
| 27 | 1.0 | 0.276 | 2.0 | 0.012 | 1.0 | 2.0 |
| 47 | 1.0 | 0.286 | 2.0 | 0.012 | 1.0 | 2.0 |
| 67 | 1.0 | 0.321 | 2.0 | 0.012 | 1.0 | 2.0 |
| 87 | 1.0 | 0.331 | 2.0 | 0.012 | 1.0 | 2.0 |
| 107 | 1.0 | 0.360 | 2.0 | 0.012 | 1.0 | 2.0 |
| 127 | 1.0 | 0.339 | 2.0 | 0.012 | 1.0 | 2.0 |
| 147 | 1.0 | 0.343 | 2.0 | 0.012 | 1.0 | 2.0 |
| 167 | 1.0 | 0.345 | 2.0 | 0.012 | 1.0 | 2.0 |
| 187 | 1.0 | 0.381 | 2.0 | 0.012 | 1.0 | 2.0 |
| 207 | 1.0 | 0.368 | 2.0 | 0.012 | 1.0 | 2.0 |
| 227 | 1.0 | 0.309 | 2.0 | 0.012 | 1.0 | 2.0 |
| 247 | 1.0 | 0.371 | 2.0 | 0.012 | 1.0 | 2.0 |
| 267 | 1.0 | 0.374 | 2.0 | 0.012 | 1.0 | 2.0 |
| 287 | 1.0 | 0.327 | 2.0 | 0.012 | 1.0 | 2.0 |
| 307 | 1.0 | 0.342 | 2.0 | 0.012 | 1.0 | 2.0 |
| 327 | 1.0 | 0.243 | 2.0 | 0.012 | 1.0 | 2.0 |
| 347 | 1.0 | 0.372 | 2.0 | 0.012 | 1.0 | 2.0 |
| 367 | 1.0 | 0.323 | 2.0 | 0.012 | 1.0 | 2.0 |
| 387 | 1.0 | 0.375 | 2.0 | 0.012 | 1.0 | 2.0 |
| 407 | 1.0 | 0.301 | 2.0 | 0.012 | 1.0 | 2.0 |
| 427 | 1.0 | 0.305 | 2.0 | 0.012 | 1.0 | 2.0 |
| 447 | 1.0 | 0.367 | 2.0 | 0.012 | 1.0 | 2.0 |
| 467 | 1.0 | 0.382 | 2.0 | 0.012 | 1.0 | 2.0 |
| 487 | 1.0 | 0.395 | 2.0 | 0.012 | 1.0 | 2.0 |
| 507 | 1.0 | 0.385 | 2.0 | 0.012 | 1.0 | 2.0 |
| 527 | 1.0 | 0.395 | 2.0 | 0.012 | 1.0 | 2.0 |
| 547 | 1.0 | 0.313 | 2.0 | 0.012 | 1.0 | 2.0 |
| 567 | 1.0 | 0.324 | 2.0 | 0.012 | 1.0 | 2.0 |
| 587 | 1.0 | 0.323 | 2.0 | 0.012 | 1.0 | 2.0 |
| 607 | 1.0 | 0.378 | 2.0 | 0.012 | 1.0 | 2.0 |
| 627 | 1.0 | 0.324 | 2.0 | 0.012 | 1.0 | 2.0 |
| 647 | 1.0 | 0.318 | 2.0 | 0.012 | 1.0 | 2.0 |
| 667 | 1.0 | 0.308 | 2.0 | 0.012 | 1.0 | 2.0 |
| *** Developed, Med/High | | | | | | |
| 28 | 1.0 | 0.268 | 2.0 | 0.012 | 1.0 | 2.0 |
| 48 | 1.0 | 0.266 | 2.0 | 0.012 | 1.0 | 2.0 |
| 68 | 1.0 | 0.362 | 2.0 | 0.012 | 1.0 | 2.0 |
| 88 | 1.0 | 0.342 | 2.0 | 0.012 | 1.0 | 2.0 |
| 108 | 1.0 | 0.363 | 2.0 | 0.012 | 1.0 | 2.0 |
| 128 | 1.0 | 0.337 | 2.0 | 0.012 | 1.0 | 2.0 |
| 148 | 1.0 | 0.380 | 2.0 | 0.012 | 1.0 | 2.0 |
| 168 | 1.0 | 0.307 | 2.0 | 0.012 | 1.0 | 2.0 |
| 188 | 1.0 | 0.384 | 2.0 | 0.012 | 1.0 | 2.0 |
| 208 | 1.0 | 0.368 | 2.0 | 0.012 | 1.0 | 2.0 |
| 228 | 1.0 | 0.242 | 2.0 | 0.012 | 1.0 | 2.0 |
| 248 | 1.0 | 0.375 | 2.0 | 0.012 | 1.0 | 2.0 |
| 268 | 1.0 | 0.394 | 2.0 | 0.012 | 1.0 | 2.0 |
| 288 | 1.0 | 0.318 | 2.0 | 0.012 | 1.0 | 2.0 |
| 308 | 1.0 | 0.338 | 2.0 | 0.012 | 1.0 | 2.0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 328 | 1.0 | 0.265 | 2.0 | 0.012 | 1.0 | 2.0 |
| 348 | 1.0 | 0.388 | 2.0 | 0.012 | 1.0 | 2.0 |
| 368 | 1.0 | 0.342 | 2.0 | 0.012 | 1.0 | 2.0 |
| 388 | 1.0 | 0.382 | 2.0 | 0.012 | 1.0 | 2.0 |
| 408 | 1.0 | 0.301 | 2.0 | 0.012 | 1.0 | 2.0 |
| 428 | 1.0 | 0.312 | 2.0 | 0.012 | 1.0 | 2.0 |
| 448 | 1.0 | 0.388 | 2.0 | 0.012 | 1.0 | 2.0 |
| 468 | 1.0 | 0.386 | 2.0 | 0.012 | 1.0 | 2.0 |
| 488 | 1.0 | 0.397 | 2.0 | 0.012 | 1.0 | 2.0 |
| 508 | 1.0 | 0.391 | 2.0 | 0.012 | 1.0 | 2.0 |
| 528 | 1.0 | 0.394 | 2.0 | 0.012 | 1.0 | 2.0 |
| 548 | 1.0 | 0.304 | 2.0 | 0.012 | 1.0 | 2.0 |
| 568 | 1.0 | 0.312 | 2.0 | 0.012 | 1.0 | 2.0 |
| 588 | 1.0 | 0.314 | 2.0 | 0.012 | 1.0 | 2.0 |
| 608 | 1.0 | 0.355 | 2.0 | 0.012 | 1.0 | 2.0 |
| 628 | 1.0 | 0.324 | 2.0 | 0.012 | 1.0 | 2.0 |
| 648 | 1.0 | 0.320 | 2.0 | 0.012 | 1.0 | 2.0 |
| 668 | 1.0 | 0.240 | 2.0 | 0.012 | 1.0 | 2.0 |

*** Wetlands

| | | | | | | |
|---|---|---|---|---|---|---|
| 29 | 1.0 | 0.177 | 2.0 | 0.012 | 1.0 | 1.0 |
| 49 | 1.0 | 0.193 | 2.0 | 0.012 | 1.0 | 1.0 |
| 69 | 1.0 | 0.180 | 2.0 | 0.012 | 1.0 | 1.0 |
| 89 | 1.0 | 0.175 | 2.0 | 0.012 | 1.0 | 1.0 |
| 109 | 1.0 | 0.244 | 2.0 | 0.012 | 1.0 | 1.0 |
| 129 | 1.0 | 0.231 | 2.0 | 0.012 | 1.0 | 1.0 |
| 149 | 1.0 | 0.170 | 2.0 | 0.012 | 1.0 | 1.0 |
| 169 | 1.0 | 0.223 | 2.0 | 0.012 | 1.0 | 1.0 |
| 189 | 1.0 | 0.222 | 2.0 | 0.012 | 1.0 | 1.0 |
| 209 | 1.0 | 0.219 | 2.0 | 0.012 | 1.0 | 1.0 |
| 229 | 1.0 | 0.309 | 2.0 | 0.012 | 1.0 | 1.0 |
| 249 | 1.0 | 0.258 | 2.0 | 0.012 | 1.0 | 1.0 |
| 269 | 1.0 | 0.255 | 2.0 | 0.012 | 1.0 | 1.0 |
| 289 | 1.0 | 0.242 | 2.0 | 0.012 | 1.0 | 1.0 |
| 309 | 1.0 | 0.246 | 2.0 | 0.012 | 1.0 | 1.0 |
| 329 | 1.0 | 0.109 | 2.0 | 0.012 | 1.0 | 1.0 |
| 349 | 1.0 | 0.291 | 2.0 | 0.012 | 1.0 | 1.0 |
| 369 | 1.0 | 0.181 | 2.0 | 0.012 | 1.0 | 1.0 |
| 389 | 1.0 | 0.265 | 2.0 | 0.012 | 1.0 | 1.0 |
| 409 | 1.0 | 0.182 | 2.0 | 0.012 | 1.0 | 1.0 |
| 429 | 1.0 | 0.171 | 2.0 | 0.012 | 1.0 | 1.0 |
| 449 | 1.0 | 0.246 | 2.0 | 0.012 | 1.0 | 1.0 |
| 469 | 1.0 | 0.294 | 2.0 | 0.012 | 1.0 | 1.0 |
| 489 | 1.0 | 0.286 | 2.0 | 0.012 | 1.0 | 1.0 |
| 509 | 1.0 | 0.223 | 2.0 | 0.012 | 1.0 | 1.0 |
| 529 | 1.0 | 0.262 | 2.0 | 0.012 | 1.0 | 1.0 |
| 549 | 1.0 | 0.264 | 2.0 | 0.012 | 1.0 | 1.0 |
| 569 | 1.0 | 0.182 | 2.0 | 0.012 | 1.0 | 1.0 |
| 589 | 1.0 | 0.260 | 2.0 | 0.012 | 1.0 | 1.0 |
| 609 | 1.0 | 0.235 | 2.0 | 0.012 | 1.0 | 1.0 |
| 629 | 1.0 | 0.186 | 2.0 | 0.012 | 1.0 | 1.0 |
| 649 | 1.0 | 0.244 | 2.0 | 0.012 | 1.0 | 1.0 |
| 669 | 1.0 | 0.200 | 2.0 | 0.012 | 1.0 | 1.0 |

*** Cropland

| | | | | | | |
|---|---|---|---|---|---|---|
| 30 | 1.0 | 0.298 | 2.0 | 0.012 | 1.0 | 2.0 |
| 50 | 1.0 | 0.290 | 2.0 | 0.012 | 1.0 | 2.0 |
| 70 | 1.0 | 0.280 | 2.0 | 0.012 | 1.0 | 2.0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 90 | 1.0 | 0.278 | 2.0 | 0.012 | 1.0 | 2.0 |
| 110 | 1.0 | 0.412 | 2.0 | 0.012 | 1.0 | 2.0 |
| 130 | 1.0 | 0.300 | 2.0 | 0.012 | 1.0 | 2.0 |
| 150 | 1.0 | 0.317 | 2.0 | 0.012 | 1.0 | 2.0 |
| 170 | 1.0 | 0.366 | 2.0 | 0.012 | 1.0 | 2.0 |
| 190 | 1.0 | 0.452 | 2.0 | 0.012 | 1.0 | 2.0 |
| 210 | 1.0 | 0.284 | 2.0 | 0.012 | 1.0 | 2.0 |
| 230 | 1.0 | 0.350 | 2.0 | 0.012 | 1.0 | 2.0 |
| 250 | 1.0 | 0.318 | 2.0 | 0.012 | 1.0 | 2.0 |
| 270 | 1.0 | 0.355 | 2.0 | 0.012 | 1.0 | 2.0 |
| 290 | 1.0 | 0.342 | 2.0 | 0.012 | 1.0 | 2.0 |
| 310 | 1.0 | 0.388 | 2.0 | 0.012 | 1.0 | 2.0 |
| 330 | 1.0 | 0.245 | 2.0 | 0.012 | 1.0 | 2.0 |
| 350 | 1.0 | 0.356 | 2.0 | 0.012 | 1.0 | 2.0 |
| 370 | 1.0 | 0.329 | 2.0 | 0.012 | 1.0 | 2.0 |
| 390 | 1.0 | 0.354 | 2.0 | 0.012 | 1.0 | 2.0 |
| 410 | 1.0 | 0.370 | 2.0 | 0.012 | 1.0 | 2.0 |
| 430 | 1.0 | 0.271 | 2.0 | 0.012 | 1.0 | 2.0 |
| 450 | 1.0 | 0.375 | 2.0 | 0.012 | 1.0 | 2.0 |
| 470 | 1.0 | 0.398 | 2.0 | 0.012 | 1.0 | 2.0 |
| 490 | 1.0 | 0.387 | 2.0 | 0.012 | 1.0 | 2.0 |
| 510 | 1.0 | 0.323 | 2.0 | 0.012 | 1.0 | 2.0 |
| 530 | 1.0 | 0.430 | 2.0 | 0.012 | 1.0 | 2.0 |
| 550 | 1.0 | 0.365 | 2.0 | 0.012 | 1.0 | 2.0 |
| 570 | 1.0 | 0.321 | 2.0 | 0.012 | 1.0 | 2.0 |
| 590 | 1.0 | 0.375 | 2.0 | 0.012 | 1.0 | 2.0 |
| 610 | 1.0 | 0.366 | 2.0 | 0.012 | 1.0 | 2.0 |
| 630 | 1.0 | 0.341 | 2.0 | 0.012 | 1.0 | 2.0 |
| 650 | 1.0 | 0.354 | 2.0 | 0.012 | 1.0 | 2.0 |
| 670 | 1.0 | 0.297 | 2.0 | 0.012 | 1.0 | 2.0 |

*** Pasture with Litter Applied

| | | | | | | |
|---|---|---|---|---|---|---|
| 32 | 1.0 | 0.290 | 2.0 | 0.012 | 1.0 | 1.0 |
| 52 | 1.0 | 0.294 | 2.0 | 0.012 | 1.0 | 1.0 |
| 72 | 1.0 | 0.303 | 2.0 | 0.012 | 1.0 | 1.0 |
| 92 | 1.0 | 0.300 | 2.0 | 0.012 | 1.0 | 1.0 |
| 112 | 1.0 | 0.333 | 2.0 | 0.012 | 1.0 | 1.0 |
| 132 | 1.0 | 0.328 | 2.0 | 0.012 | 1.0 | 1.0 |
| 152 | 1.0 | 0.311 | 2.0 | 0.012 | 1.0 | 1.0 |
| 172 | 1.0 | 0.342 | 2.0 | 0.012 | 1.0 | 1.0 |
| 192 | 1.0 | 0.363 | 2.0 | 0.012 | 1.0 | 1.0 |
| 212 | 1.0 | 0.343 | 2.0 | 0.012 | 1.0 | 1.0 |
| 232 | 1.0 | 0.335 | 2.0 | 0.012 | 1.0 | 1.0 |
| 252 | 1.0 | 0.365 | 2.0 | 0.012 | 1.0 | 1.0 |
| 272 | 1.0 | 0.342 | 2.0 | 0.012 | 1.0 | 1.0 |
| 292 | 1.0 | 0.338 | 2.0 | 0.012 | 1.0 | 1.0 |
| 312 | 1.0 | 0.347 | 2.0 | 0.012 | 1.0 | 1.0 |
| 332 | 1.0 | 0.280 | 2.0 | 0.012 | 1.0 | 1.0 |
| 352 | 1.0 | 0.356 | 2.0 | 0.012 | 1.0 | 1.0 |
| 372 | 1.0 | 0.316 | 2.0 | 0.012 | 1.0 | 1.0 |
| 392 | 1.0 | 0.361 | 2.0 | 0.012 | 1.0 | 1.0 |
| 412 | 1.0 | 0.316 | 2.0 | 0.012 | 1.0 | 1.0 |
| 432 | 1.0 | 0.279 | 2.0 | 0.012 | 1.0 | 1.0 |
| 452 | 1.0 | 0.339 | 2.0 | 0.012 | 1.0 | 1.0 |
| 472 | 1.0 | 0.365 | 2.0 | 0.012 | 1.0 | 1.0 |
| 492 | 1.0 | 0.363 | 2.0 | 0.012 | 1.0 | 1.0 |
| 512 | 1.0 | 0.354 | 2.0 | 0.012 | 1.0 | 1.0 |

```
 532          1.0    0.373     2.0    0.012     1.0     1.0
 552          1.0    0.338     2.0    0.012     1.0     1.0
 572          1.0    0.310     2.0    0.012     1.0     1.0
 592          1.0    0.338     2.0    0.012     1.0     1.0
 612          1.0    0.359     2.0    0.012     1.0     1.0
 632          1.0    0.359     2.0    0.012     1.0     1.0
 652          1.0    0.312     2.0    0.012     1.0     1.0
 672          1.0    0.309     2.0    0.012     1.0     1.0
 END SED-PARM2

 SED-PARM3
*** <PLS >  Sediment parameter 3
*** x -  x     KSER     JSER     KGER     JGER
***Forest
  21          0.04     2.00     0.0      1.0
  41          0.18     2.00     0.0      1.0
  61          0.10     2.00     0.0      1.0
  81          0.25     2.00     0.0      1.0
 101          0.18     2.00     0.0      1.0
 121          0.18     2.00     0.0      1.0
 141          0.18     2.00     0.0      1.0
 161          0.18     2.00     0.0      1.0
 181          0.18     2.00     0.0      1.0
 201          0.18     2.00     0.0      1.0
 221          0.18     2.00     0.0      1.0
 241          0.18     2.00     0.0      1.0
 261          0.20     2.00     0.0      1.0
 281          0.18     2.00     0.0      1.0
 301          0.18     2.00     0.0      1.0
 321          0.18     2.00     0.0      1.0
 341          0.18     2.00     0.0      1.0
 361          0.18     2.00     0.0      1.0
 381          0.20     1.50     0.0      1.0
 401          0.18     2.00     0.0      1.0
 421          0.18     2.00     0.0      1.0
 441          0.20     2.00     0.0      1.0
 461          0.20     1.50     0.0      1.0
 481          0.20     1.50     0.0      1.0
 501          0.18     2.00     0.0      1.0
 521          0.18     2.00     0.0      1.0
 541          0.18     2.00     0.0      1.0
 561          0.18     2.00     0.0      1.0
 581          0.18     2.00     0.0      1.0
 601          0.18     2.00     0.0      1.0
 621          0.18     2.00     0.0      1.0
 641          0.18     2.00     0.0      1.0
 661          0.18     2.00     0.0      1.0
***Pasture1 (Slope < 2.5%)
  22          0.10     2.00     0.0      1.0
  42          0.25     2.00     0.0      1.0
  62          0.25     2.00     0.0      1.0
  82          0.50     2.00     0.0      1.0
 102          0.30     2.00     0.0      1.0
 122          0.30     2.00     0.0      1.0
 142          0.30     2.00     0.0      1.0
 162          0.30     2.00     0.0      1.0
```

| | | | | |
|---|---|---|---|---|
| 182 | 0.30 | 2.00 | 0.0 | 1.0 |
| 202 | 0.30 | 2.00 | 0.0 | 1.0 |
| 222 | 0.30 | 2.00 | 0.0 | 1.0 |
| 242 | 0.30 | 2.00 | 0.0 | 1.0 |
| 262 | 0.35 | 2.00 | 0.0 | 1.0 |
| 282 | 0.35 | 2.00 | 0.0 | 1.0 |
| 302 | 0.30 | 2.00 | 0.0 | 1.0 |
| 322 | 0.45 | 2.00 | 0.0 | 1.0 |
| 342 | 0.30 | 2.00 | 0.0 | 1.0 |
| 362 | 0.30 | 2.00 | 0.0 | 1.0 |
| 382 | 0.30 | 1.50 | 0.0 | 1.0 |
| 402 | 0.25 | 2.00 | 0.0 | 1.0 |
| 422 | 0.30 | 2.00 | 0.0 | 1.0 |
| 442 | 0.30 | 2.00 | 0.0 | 1.0 |
| 462 | 0.30 | 1.50 | 0.0 | 1.0 |
| 482 | 0.30 | 1.50 | 0.0 | 1.0 |
| 502 | 0.30 | 2.00 | 0.0 | 1.0 |
| 522 | 0.25 | 2.00 | 0.0 | 1.0 |
| 542 | 0.30 | 2.00 | 0.0 | 1.0 |
| 562 | 0.30 | 2.00 | 0.0 | 1.0 |
| 582 | 0.30 | 2.00 | 0.0 | 1.0 |
| 602 | 0.30 | 2.00 | 0.0 | 1.0 |
| 622 | 0.30 | 2.00 | 0.0 | 1.0 |
| 642 | 0.30 | 2.00 | 0.0 | 1.0 |
| 662 | 0.30 | 2.00 | 0.0 | 1.0 |

***Pasture2 (2.5% < Slope < 4.0%)

| | | | | |
|---|---|---|---|---|
| 23 | 0.18 | 2.00 | 0.0 | 1.0 |
| 43 | 0.35 | 2.00 | 0.0 | 1.0 |
| 63 | 0.30 | 2.00 | 0.0 | 1.0 |
| 83 | 0.55 | 2.00 | 0.0 | 1.0 |
| 103 | 0.30 | 2.00 | 0.0 | 1.0 |
| 123 | 0.30 | 2.00 | 0.0 | 1.0 |
| 143 | 0.30 | 2.00 | 0.0 | 1.0 |
| 163 | 0.30 | 2.00 | 0.0 | 1.0 |
| 183 | 0.30 | 2.00 | 0.0 | 1.0 |
| 203 | 0.30 | 2.00 | 0.0 | 1.0 |
| 223 | 0.30 | 2.00 | 0.0 | 1.0 |
| 243 | 0.30 | 2.00 | 0.0 | 1.0 |
| 263 | 0.35 | 2.00 | 0.0 | 1.0 |
| 283 | 0.40 | 2.00 | 0.0 | 1.0 |
| 303 | 0.30 | 2.00 | 0.0 | 1.0 |
| 323 | 0.50 | 2.00 | 0.0 | 1.0 |
| 343 | 0.30 | 2.00 | 0.0 | 1.0 |
| 363 | 0.30 | 2.00 | 0.0 | 1.0 |
| 383 | 0.40 | 1.50 | 0.0 | 1.0 |
| 403 | 0.30 | 2.00 | 0.0 | 1.0 |
| 423 | 0.35 | 2.00 | 0.0 | 1.0 |
| 443 | 0.40 | 2.00 | 0.0 | 1.0 |
| 463 | 0.40 | 1.50 | 0.0 | 1.0 |
| 483 | 0.40 | 1.50 | 0.0 | 1.0 |
| 503 | 0.35 | 2.00 | 0.0 | 1.0 |
| 523 | 0.30 | 2.00 | 0.0 | 1.0 |
| 543 | 0.35 | 2.00 | 0.0 | 1.0 |
| 563 | 0.35 | 2.00 | 0.0 | 1.0 |
| 583 | 0.35 | 2.00 | 0.0 | 1.0 |
| 603 | 0.35 | 2.00 | 0.0 | 1.0 |

| | | | | |
|---|---|---|---|---|
| 623 | 0.35 | 2.00 | 0.0 | 1.0 |
| 643 | 0.35 | 2.00 | 0.0 | 1.0 |
| 663 | 0.30 | 2.00 | 0.0 | 1.0 |

***Pasture3 (Slope >= 4.0%)

| | | | | |
|---|---|---|---|---|
| 24 | 0.25 | 2.00 | 0.0 | 1.0 |
| 44 | 0.35 | 2.00 | 0.0 | 1.0 |
| 64 | 0.35 | 2.00 | 0.0 | 1.0 |
| 84 | 0.45 | 2.00 | 0.0 | 1.0 |
| 104 | 0.35 | 2.00 | 0.0 | 1.0 |
| 124 | 0.35 | 2.00 | 0.0 | 1.0 |
| 144 | 0.35 | 2.00 | 0.0 | 1.0 |
| 164 | 0.35 | 2.00 | 0.0 | 1.0 |
| 184 | 0.35 | 2.00 | 0.0 | 1.0 |
| 204 | 0.35 | 2.00 | 0.0 | 1.0 |
| 224 | 0.35 | 2.00 | 0.0 | 1.0 |
| 244 | 0.35 | 2.00 | 0.0 | 1.0 |
| 264 | 0.45 | 2.00 | 0.0 | 1.0 |
| 284 | 0.45 | 2.00 | 0.0 | 1.0 |
| 304 | 0.35 | 2.00 | 0.0 | 1.0 |
| 324 | 0.40 | 2.00 | 0.0 | 1.0 |
| 344 | 0.35 | 2.00 | 0.0 | 1.0 |
| 364 | 0.35 | 2.00 | 0.0 | 1.0 |
| 384 | 0.35 | 1.50 | 0.0 | 1.0 |
| 404 | 0.35 | 2.00 | 0.0 | 1.0 |
| 424 | 0.35 | 2.00 | 0.0 | 1.0 |
| 444 | 0.35 | 2.00 | 0.0 | 1.0 |
| 464 | 0.35 | 1.50 | 0.0 | 1.0 |
| 484 | 0.35 | 1.50 | 0.0 | 1.0 |
| 504 | 0.35 | 2.00 | 0.0 | 1.0 |
| 524 | 0.35 | 2.00 | 0.0 | 1.0 |
| 544 | 0.35 | 2.00 | 0.0 | 1.0 |
| 564 | 0.35 | 2.00 | 0.0 | 1.0 |
| 584 | 0.35 | 2.00 | 0.0 | 1.0 |
| 604 | 0.35 | 2.00 | 0.0 | 1.0 |
| 624 | 0.35 | 2.00 | 0.0 | 1.0 |
| 644 | 0.35 | 2.00 | 0.0 | 1.0 |
| 664 | 0.35 | 2.00 | 0.0 | 1.0 |

***Grass/Shrub/Barren

| | | | | |
|---|---|---|---|---|
| 25 | 0.18 | 2.00 | 0.0 | 1.0 |
| 45 | 0.30 | 2.00 | 0.0 | 1.0 |
| 65 | 0.30 | 2.00 | 0.0 | 1.0 |
| 85 | 0.30 | 2.00 | 0.0 | 1.0 |
| 105 | 0.30 | 2.00 | 0.0 | 1.0 |
| 125 | 0.30 | 2.00 | 0.0 | 1.0 |
| 145 | 0.30 | 2.00 | 0.0 | 1.0 |
| 165 | 0.30 | 2.00 | 0.0 | 1.0 |
| 185 | 0.30 | 2.00 | 0.0 | 1.0 |
| 205 | 0.30 | 2.00 | 0.0 | 1.0 |
| 225 | 0.30 | 2.00 | 0.0 | 1.0 |
| 245 | 0.30 | 2.00 | 0.0 | 1.0 |
| 265 | 0.30 | 2.00 | 0.0 | 1.0 |
| 285 | 0.30 | 2.00 | 0.0 | 1.0 |
| 305 | 0.30 | 2.00 | 0.0 | 1.0 |
| 325 | 0.30 | 2.00 | 0.0 | 1.0 |
| 345 | 0.30 | 2.00 | 0.0 | 1.0 |
| 365 | 0.30 | 2.00 | 0.0 | 1.0 |

| | | | | |
|---|---|---|---|---|
| 385 | 0.40 | 1.50 | 0.0 | 1.0 |
| 405 | 0.30 | 2.00 | 0.0 | 1.0 |
| 425 | 0.30 | 2.00 | 0.0 | 1.0 |
| 445 | 0.30 | 2.00 | 0.0 | 1.0 |
| 465 | 0.40 | 1.50 | 0.0 | 1.0 |
| 485 | 0.40 | 1.50 | 0.0 | 1.0 |
| 505 | 0.30 | 2.00 | 0.0 | 1.0 |
| 525 | 0.30 | 2.00 | 0.0 | 1.0 |
| 545 | 0.30 | 2.00 | 0.0 | 1.0 |
| 565 | 0.30 | 2.00 | 0.0 | 1.0 |
| 585 | 0.30 | 2.00 | 0.0 | 1.0 |
| 605 | 0.30 | 2.00 | 0.0 | 1.0 |
| 625 | 0.30 | 2.00 | 0.0 | 1.0 |
| 645 | 0.30 | 2.00 | 0.0 | 1.0 |
| 665 | 0.30 | 2.00 | 0.0 | 1.0 |
| ***Developed, Open | | | | |
| 26 | 0.06 | 2.00 | 0.0 | 1.0 |
| 46 | 0.06 | 2.00 | 0.0 | 1.0 |
| 66 | 0.06 | 2.00 | 0.0 | 1.0 |
| 86 | 0.10 | 2.00 | 0.0 | 1.0 |
| 106 | 0.06 | 2.00 | 0.0 | 1.0 |
| 126 | 0.06 | 2.00 | 0.0 | 1.0 |
| 146 | 0.06 | 2.00 | 0.0 | 1.0 |
| 166 | 0.06 | 2.00 | 0.0 | 1.0 |
| 186 | 0.06 | 2.00 | 0.0 | 1.0 |
| 206 | 0.06 | 2.00 | 0.0 | 1.0 |
| 226 | 0.06 | 2.00 | 0.0 | 1.0 |
| 246 | 0.06 | 2.00 | 0.0 | 1.0 |
| 266 | 0.06 | 2.00 | 0.0 | 1.0 |
| 286 | 0.06 | 2.00 | 0.0 | 1.0 |
| 306 | 0.06 | 2.00 | 0.0 | 1.0 |
| 326 | 0.10 | 2.00 | 0.0 | 1.0 |
| 346 | 0.06 | 2.00 | 0.0 | 1.0 |
| 366 | 0.06 | 2.00 | 0.0 | 1.0 |
| 386 | 0.06 | 1.50 | 0.0 | 1.0 |
| 406 | 0.06 | 2.00 | 0.0 | 1.0 |
| 426 | 0.06 | 2.00 | 0.0 | 1.0 |
| 446 | 0.06 | 2.00 | 0.0 | 1.0 |
| 466 | 0.06 | 1.50 | 0.0 | 1.0 |
| 486 | 0.06 | 1.50 | 0.0 | 1.0 |
| 506 | 0.06 | 2.00 | 0.0 | 1.0 |
| 526 | 0.06 | 2.00 | 0.0 | 1.0 |
| 546 | 0.06 | 2.00 | 0.0 | 1.0 |
| 566 | 0.06 | 2.00 | 0.0 | 1.0 |
| 586 | 0.06 | 2.00 | 0.0 | 1.0 |
| 606 | 0.06 | 2.00 | 0.0 | 1.0 |
| 626 | 0.06 | 2.00 | 0.0 | 1.0 |
| 646 | 0.06 | 2.00 | 0.0 | 1.0 |
| 666 | 0.06 | 2.00 | 0.0 | 1.0 |
| ***Developed, Low | | | | |
| 27 | 0.07 | 2.00 | 0.0 | 1.0 |
| 47 | 0.07 | 2.00 | 0.0 | 1.0 |
| 67 | 0.07 | 2.00 | 0.0 | 1.0 |
| 87 | 0.12 | 2.00 | 0.0 | 1.0 |
| 107 | 0.07 | 2.00 | 0.0 | 1.0 |
| 127 | 0.07 | 2.00 | 0.0 | 1.0 |

| | | | | |
|---|---|---|---|---|
| 147 | 0.07 | 2.00 | 0.0 | 1.0 |
| 167 | 0.07 | 2.00 | 0.0 | 1.0 |
| 187 | 0.07 | 2.00 | 0.0 | 1.0 |
| 207 | 0.07 | 2.00 | 0.0 | 1.0 |
| 227 | 0.07 | 2.00 | 0.0 | 1.0 |
| 247 | 0.07 | 2.00 | 0.0 | 1.0 |
| 267 | 0.07 | 2.00 | 0.0 | 1.0 |
| 287 | 0.07 | 2.00 | 0.0 | 1.0 |
| 307 | 0.07 | 2.00 | 0.0 | 1.0 |
| 327 | 0.12 | 2.00 | 0.0 | 1.0 |
| 347 | 0.07 | 2.00 | 0.0 | 1.0 |
| 367 | 0.07 | 2.00 | 0.0 | 1.0 |
| 387 | 0.09 | 1.50 | 0.0 | 1.0 |
| 407 | 0.07 | 2.00 | 0.0 | 1.0 |
| 427 | 0.07 | 2.00 | 0.0 | 1.0 |
| 447 | 0.07 | 2.00 | 0.0 | 1.0 |
| 467 | 0.09 | 1.50 | 0.0 | 1.0 |
| 487 | 0.09 | 1.50 | 0.0 | 1.0 |
| 507 | 0.07 | 2.00 | 0.0 | 1.0 |
| 527 | 0.07 | 2.00 | 0.0 | 1.0 |
| 547 | 0.07 | 2.00 | 0.0 | 1.0 |
| 567 | 0.07 | 2.00 | 0.0 | 1.0 |
| 587 | 0.07 | 2.00 | 0.0 | 1.0 |
| 607 | 0.07 | 2.00 | 0.0 | 1.0 |
| 627 | 0.07 | 2.00 | 0.0 | 1.0 |
| 647 | 0.07 | 2.00 | 0.0 | 1.0 |
| 667 | 0.07 | 2.00 | 0.0 | 1.0 |
| ***Developed, Med/High | | | | |
| 28 | 0.10 | 2.00 | 0.0 | 1.0 |
| 48 | 0.10 | 2.00 | 0.0 | 1.0 |
| 68 | 0.10 | 2.00 | 0.0 | 1.0 |
| 88 | 0.15 | 2.00 | 0.0 | 1.0 |
| 108 | 0.10 | 2.00 | 0.0 | 1.0 |
| 128 | 0.10 | 2.00 | 0.0 | 1.0 |
| 148 | 0.10 | 2.00 | 0.0 | 1.0 |
| 168 | 0.10 | 2.00 | 0.0 | 1.0 |
| 188 | 0.10 | 2.00 | 0.0 | 1.0 |
| 208 | 0.10 | 2.00 | 0.0 | 1.0 |
| 228 | 0.10 | 2.00 | 0.0 | 1.0 |
| 248 | 0.10 | 2.00 | 0.0 | 1.0 |
| 268 | 0.10 | 2.00 | 0.0 | 1.0 |
| 288 | 0.10 | 2.00 | 0.0 | 1.0 |
| 308 | 0.10 | 2.00 | 0.0 | 1.0 |
| 328 | 0.15 | 2.00 | 0.0 | 1.0 |
| 348 | 0.10 | 2.00 | 0.0 | 1.0 |
| 368 | 0.10 | 2.00 | 0.0 | 1.0 |
| 388 | 0.10 | 1.50 | 0.0 | 1.0 |
| 408 | 0.10 | 2.00 | 0.0 | 1.0 |
| 428 | 0.10 | 2.00 | 0.0 | 1.0 |
| 448 | 0.10 | 2.00 | 0.0 | 1.0 |
| 468 | 0.10 | 1.50 | 0.0 | 1.0 |
| 488 | 0.10 | 1.50 | 0.0 | 1.0 |
| 508 | 0.10 | 2.00 | 0.0 | 1.0 |
| 528 | 0.10 | 2.00 | 0.0 | 1.0 |
| 548 | 0.10 | 2.00 | 0.0 | 1.0 |
| 568 | 0.10 | 2.00 | 0.0 | 1.0 |

| | | | | |
|---|---|---|---|---|
| 588 | 0.10 | 2.00 | 0.0 | 1.0 |
| 608 | 0.10 | 2.00 | 0.0 | 1.0 |
| 628 | 0.10 | 2.00 | 0.0 | 1.0 |
| 648 | 0.10 | 2.00 | 0.0 | 1.0 |
| 668 | 0.10 | 2.00 | 0.0 | 1.0 |

***Wetlands

| | | | | |
|---|---|---|---|---|
| 29 | 0.10 | 2.00 | 0.0 | 1.0 |
| 49 | 0.10 | 2.00 | 0.0 | 1.0 |
| 69 | 0.10 | 2.00 | 0.0 | 1.0 |
| 89 | 0.10 | 2.00 | 0.0 | 1.0 |
| 109 | 0.10 | 2.00 | 0.0 | 1.0 |
| 129 | 0.10 | 2.00 | 0.0 | 1.0 |
| 149 | 0.10 | 2.00 | 0.0 | 1.0 |
| 169 | 0.10 | 2.00 | 0.0 | 1.0 |
| 189 | 0.10 | 2.00 | 0.0 | 1.0 |
| 209 | 0.10 | 2.00 | 0.0 | 1.0 |
| 229 | 0.10 | 2.00 | 0.0 | 1.0 |
| 249 | 0.10 | 2.00 | 0.0 | 1.0 |
| 269 | 0.10 | 2.00 | 0.0 | 1.0 |
| 289 | 0.10 | 2.00 | 0.0 | 1.0 |
| 309 | 0.10 | 2.00 | 0.0 | 1.0 |
| 329 | 0.10 | 2.00 | 0.0 | 1.0 |
| 349 | 0.10 | 2.00 | 0.0 | 1.0 |
| 369 | 0.10 | 2.00 | 0.0 | 1.0 |
| 389 | 0.10 | 2.00 | 0.0 | 1.0 |
| 409 | 0.10 | 2.00 | 0.0 | 1.0 |
| 429 | 0.10 | 2.00 | 0.0 | 1.0 |
| 449 | 0.10 | 2.00 | 0.0 | 1.0 |
| 469 | 0.10 | 2.00 | 0.0 | 1.0 |
| 489 | 0.10 | 2.00 | 0.0 | 1.0 |
| 509 | 0.10 | 2.00 | 0.0 | 1.0 |
| 529 | 0.10 | 2.00 | 0.0 | 1.0 |
| 549 | 0.10 | 2.00 | 0.0 | 1.0 |
| 569 | 0.10 | 2.00 | 0.0 | 1.0 |
| 589 | 0.10 | 2.00 | 0.0 | 1.0 |
| 609 | 0.10 | 2.00 | 0.0 | 1.0 |
| 629 | 0.10 | 2.00 | 0.0 | 1.0 |
| 649 | 0.10 | 2.00 | 0.0 | 1.0 |
| 669 | 0.10 | 2.00 | 0.0 | 1.0 |

***Cropland

| | | | | |
|---|---|---|---|---|
| 30 | 0.80 | 2.00 | 0.0 | 1.0 |
| 50 | 1.00 | 2.00 | 0.0 | 1.0 |
| 70 | 0.95 | 2.00 | 0.0 | 1.0 |
| 90 | 1.00 | 2.00 | 0.0 | 1.0 |
| 110 | 1.00 | 2.00 | 0.0 | 1.0 |
| 130 | 1.00 | 2.00 | 0.0 | 1.0 |
| 150 | 1.00 | 2.00 | 0.0 | 1.0 |
| 170 | 1.00 | 2.00 | 0.0 | 1.0 |
| 190 | 1.00 | 2.00 | 0.0 | 1.0 |
| 210 | 1.00 | 2.00 | 0.0 | 1.0 |
| 230 | 1.00 | 2.00 | 0.0 | 1.0 |
| 250 | 1.00 | 2.00 | 0.0 | 1.0 |
| 270 | 1.00 | 2.00 | 0.0 | 1.0 |
| 290 | 1.00 | 2.00 | 0.0 | 1.0 |
| 310 | 1.00 | 2.00 | 0.0 | 1.0 |
| 330 | 1.00 | 2.00 | 0.0 | 1.0 |

```
 350        1.00     2.00     0.0     1.0
 370        1.00     2.00     0.0     1.0
 390        0.90     2.00     0.0     1.0
 410        1.00     2.00     0.0     1.0
 430        1.00     2.00     0.0     1.0
 450        0.90     2.00     0.0     1.0
 470        0.90     2.00     0.0     1.0
 490        0.90     2.00     0.0     1.0
 510        1.00     2.00     0.0     1.0
 530        1.00     2.00     0.0     1.0
 550        1.00     2.00     0.0     1.0
 570        1.00     2.00     0.0     1.0
 590        1.00     2.00     0.0     1.0
 610        1.00     2.00     0.0     1.0
 630        1.00     2.00     0.0     1.0
 650        1.00     2.00     0.0     1.0
 670        1.00     2.00     0.0     1.0
***Pasture with Litter Applied
  32        0.10     2.00     0.0     1.0
  52        0.25     2.00     0.0     1.0
  72        0.25     2.00     0.0     1.0
  92        0.50     2.00     0.0     1.0
 112        0.30     2.00     0.0     1.0
 132        0.30     2.00     0.0     1.0
 152        0.30     2.00     0.0     1.0
 172        0.30     2.00     0.0     1.0
 192        0.30     2.00     0.0     1.0
 212        0.30     2.00     0.0     1.0
 232        0.30     2.00     0.0     1.0
 252        0.30     2.00     0.0     1.0
 272        0.35     2.00     0.0     1.0
 292        0.35     2.00     0.0     1.0
 312        0.30     2.00     0.0     1.0
 332        0.45     2.00     0.0     1.0
 352        0.30     2.00     0.0     1.0
 372        0.30     2.00     0.0     1.0
 392        0.30     1.50     0.0     1.0
 412        0.25     2.00     0.0     1.0
 432        0.30     2.00     0.0     1.0
 452        0.30     2.00     0.0     1.0
 472        0.30     1.50     0.0     1.0
 492        0.30     1.50     0.0     1.0
 512        0.30     2.00     0.0     1.0
 532        0.25     2.00     0.0     1.0
 552        0.30     2.00     0.0     1.0
 572        0.30     2.00     0.0     1.0
 592        0.30     2.00     0.0     1.0
 612        0.30     2.00     0.0     1.0
 632        0.30     2.00     0.0     1.0
 652        0.30     2.00     0.0     1.0
 672        0.30     2.00     0.0     1.0
 END SED-PARM3

 MON-COVER
*** <PLS >  Monthly values for erosion related cover
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
```

***Forest

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 41 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 61 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 81 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 101 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 121 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 141 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 161 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 181 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 201 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 221 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 241 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 261 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 281 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 301 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 321 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 341 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 361 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 381 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 401 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 421 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 441 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 461 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 481 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 501 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 521 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 541 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 561 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 581 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 601 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 621 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 641 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |
| 661 | 0.87 | 0.87 | 0.87 | 0.92 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.92 | 0.87 | 0.87 |

***Pasture1 (Slope < 2.5%)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 42 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 62 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 82 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 102 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 122 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 142 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 162 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 182 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 202 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 222 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 242 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 262 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 282 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 302 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 322 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 342 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 362 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 382 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 402 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 422 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 442 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 462 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 482 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 502 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 522 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 542 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 562 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 582 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 602 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 622 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 642 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 662 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |

***Pasture2 (2.5% < Slope < 4.0%)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 43 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 63 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 83 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 103 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 123 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 143 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 163 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 183 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 203 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 223 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 243 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 263 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 283 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 303 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 323 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 343 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 363 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 383 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 403 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 423 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 443 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 463 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 483 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 503 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 523 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 543 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 563 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 583 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 603 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 623 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 643 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 663 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |

***Pasture3 (Slope >= 4.0%)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 44 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 64 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 84 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 104 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 124 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 144 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 164 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 184 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 204 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 224 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 244 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 264 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 284 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 304 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 324 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 344 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 364 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 384 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 404 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 424 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 444 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 464 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 484 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 504 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 524 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 544 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 564 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 584 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 604 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 624 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 644 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |
| 664 | 0.60 | 0.60 | 0.60 | 0.65 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.75 | 0.65 | 0.60 |

***Grass/Shrub/Barren

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 45 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 65 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 85 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 105 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 125 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 145 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 165 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 185 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 205 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 225 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 245 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 265 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 285 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 305 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 325 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 345 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 365 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 385 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 405 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 425 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 445 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 465 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 485 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 505 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 525 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 545 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 565 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 585 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 605 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 625 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 645 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |
| 665 | 0.80 | 0.80 | 0.80 | 0.85 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.80 | 0.80 |

***Developed, Open

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 46 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 66 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 86 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 106 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 126 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 146 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 166 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 186 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 206 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 226 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 246 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 266 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 286 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 306 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 326 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 346 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 366 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 386 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 406 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 426 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 446 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 466 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 486 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 506 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 526 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 546 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 566 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 586 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 606 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 626 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 646 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 666 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |

***Developed, Low

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 47 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 67 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 87 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 107 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 127 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 147 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 167 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 187 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 207 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 227 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 247 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 267 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 287 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 307 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 327 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 347 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 367 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 387 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 407 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 427 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 447 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 467 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 487 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 507 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 527 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 547 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 567 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 587 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 607 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 627 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 647 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |
| 667 | 0.90 | 0.90 | 0.90 | 0.91 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.91 | 0.90 | 0.90 |

***Developed, Med/High

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 48 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 68 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 88 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 108 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 128 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 148 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 168 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 188 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 208 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 228 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 248 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 268 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 288 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 308 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 328 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 348 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 368 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 388 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 408 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 428 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 448 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 468 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 488 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 508 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 528 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 548 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 568 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 588 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 608 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 628 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 648 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |
| 668 | 0.85 | 0.85 | 0.85 | 0.87 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.87 | 0.85 |

***Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 49 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 69 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 89 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 109 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 129 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 149 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 169 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 189 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 209 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 229 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 249 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 269 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 289 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 309 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 329 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 349 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 369 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 389 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 409 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 429 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 449 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 469 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 489 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 509 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 529 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 549 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 569 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 589 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 609 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 629 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 649 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |
| 669 | 0.92 | 0.92 | 0.95 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.97 | 0.95 | 0.92 | 0.92 |

***Cropland

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 50 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 70 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 90 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 110 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 130 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 150 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 170 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 190 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 210 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 230 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 250 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 270 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 290 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 310 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 330 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 350 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 370 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 390 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 410 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 430 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 450 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 470 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 490 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 510 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 530 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 550 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 570 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |
| 590 | 0.25 | 0.25 | 0.25 | 0.35 | 0.65 | 0.82 | 0.85 | 0.85 | 0.85 | 0.50 | 0.30 | 0.30 |

```
  610      0.25 0.25 0.25 0.35 0.65 0.82 0.85 0.85 0.85 0.50 0.30 0.30
  630      0.25 0.25 0.25 0.35 0.65 0.82 0.85 0.85 0.85 0.50 0.30 0.30
  650      0.25 0.25 0.25 0.35 0.65 0.82 0.85 0.85 0.85 0.50 0.30 0.30
  670      0.25 0.25 0.25 0.35 0.65 0.82 0.85 0.85 0.85 0.50 0.30 0.30
***Pasture with Litter Applied
   32     0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
   52     0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
   72     0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
   92     0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  112      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  132      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  152      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  172      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  192      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  212      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  232      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  252      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  272      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  292      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  312      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  332      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  352      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  372      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  392      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  412      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  432      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  452      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  472      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  492      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  512      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  532      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  552      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  572      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  592      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  612      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  632      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  652      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  672      0.60 0.60 0.60 0.65 0.75 0.80 0.80 0.80 0.80 0.75 0.65 0.60
  END MON-COVER

  SED-STOR
*** <PLS >  Detached sediment storage (tons/acre)
*** x -  x      DETS
***Forest
   21          0.1
   41          0.1
   61          0.1
   81          0.1
  101           0.1
  121           0.1
  141           0.1
  161           0.1
  181           0.1
  201           0.1
  221           0.1
  241           0.1
```

| | |
|---|---|
| 261 | 0.1 |
| 281 | 0.1 |
| 301 | 0.1 |
| 321 | 0.1 |
| 341 | 0.1 |
| 361 | 0.1 |
| 381 | 0.1 |
| 401 | 0.1 |
| 421 | 0.1 |
| 441 | 0.1 |
| 461 | 0.1 |
| 481 | 0.1 |
| 501 | 0.1 |
| 521 | 0.1 |
| 541 | 0.1 |
| 561 | 0.1 |
| 581 | 0.1 |
| 601 | 0.1 |
| 621 | 0.1 |
| 641 | 0.1 |
| 661 | 0.1 |

***Pasture1 (Slope < 2.5%)

| | |
|---|---|
| 22 | 0.5 |
| 42 | 0.5 |
| 62 | 0.5 |
| 82 | 0.5 |
| 102 | 0.5 |
| 122 | 0.5 |
| 142 | 0.5 |
| 162 | 0.5 |
| 182 | 0.5 |
| 202 | 0.5 |
| 222 | 0.5 |
| 242 | 0.5 |
| 262 | 0.5 |
| 282 | 0.5 |
| 302 | 0.5 |
| 322 | 0.5 |
| 342 | 0.5 |
| 362 | 0.5 |
| 382 | 0.5 |
| 402 | 0.5 |
| 422 | 0.5 |
| 442 | 0.5 |
| 462 | 0.5 |
| 482 | 0.5 |
| 502 | 0.5 |
| 522 | 0.5 |
| 542 | 0.5 |
| 562 | 0.5 |
| 582 | 0.5 |
| 602 | 0.5 |
| 622 | 0.5 |
| 642 | 0.5 |
| 662 | 0.5 |

***Pasture2 (2.5% < Slope < 4.0%)

| | |
|---|---|
| 23 | 0.5 |
| 43 | 0.5 |
| 63 | 0.5 |
| 83 | 0.5 |
| 103 | 0.5 |
| 123 | 0.5 |
| 143 | 0.5 |
| 163 | 0.5 |
| 183 | 0.5 |
| 203 | 0.5 |
| 223 | 0.5 |
| 243 | 0.5 |
| 263 | 0.5 |
| 283 | 0.5 |
| 303 | 0.5 |
| 323 | 0.5 |
| 343 | 0.5 |
| 363 | 0.5 |
| 383 | 0.5 |
| 403 | 0.5 |
| 423 | 0.5 |
| 443 | 0.5 |
| 463 | 0.5 |
| 483 | 0.5 |
| 503 | 0.5 |
| 523 | 0.5 |
| 543 | 0.5 |
| 563 | 0.5 |
| 583 | 0.5 |
| 603 | 0.5 |
| 623 | 0.5 |
| 643 | 0.5 |
| 663 | 0.5 |

***Pasture3 (Slope >= 4.0%)

| | |
|---|---|
| 24 | 0.5 |
| 44 | 0.5 |
| 64 | 0.5 |
| 84 | 0.5 |
| 104 | 0.5 |
| 124 | 0.5 |
| 144 | 0.5 |
| 164 | 0.5 |
| 184 | 0.5 |
| 204 | 0.5 |
| 224 | 0.5 |
| 244 | 0.5 |
| 264 | 0.5 |
| 284 | 0.5 |
| 304 | 0.5 |
| 324 | 0.5 |
| 344 | 0.5 |
| 364 | 0.5 |
| 384 | 0.5 |
| 404 | 0.5 |
| 424 | 0.5 |
| 444 | 0.5 |

| | |
|---|---|
| 464 | 0.5 |
| 484 | 0.5 |
| 504 | 0.5 |
| 524 | 0.5 |
| 544 | 0.5 |
| 564 | 0.5 |
| 584 | 0.5 |
| 604 | 0.5 |
| 624 | 0.5 |
| 644 | 0.5 |
| 664 | 0.5 |

***Grass/Shrub/Barren

| | |
|---|---|
| 25 | 0.3 |
| 45 | 0.3 |
| 65 | 0.3 |
| 85 | 0.3 |
| 105 | 0.3 |
| 125 | 0.3 |
| 145 | 0.3 |
| 165 | 0.3 |
| 185 | 0.3 |
| 205 | 0.3 |
| 225 | 0.3 |
| 245 | 0.3 |
| 265 | 0.3 |
| 285 | 0.3 |
| 305 | 0.3 |
| 325 | 0.3 |
| 345 | 0.3 |
| 365 | 0.3 |
| 385 | 0.3 |
| 405 | 0.3 |
| 425 | 0.3 |
| 445 | 0.3 |
| 465 | 0.3 |
| 485 | 0.3 |
| 505 | 0.3 |
| 525 | 0.3 |
| 545 | 0.3 |
| 565 | 0.3 |
| 585 | 0.3 |
| 605 | 0.3 |
| 625 | 0.3 |
| 645 | 0.3 |
| 665 | 0.3 |

***Developed, open

| | |
|---|---|
| 26 | 0.2 |
| 46 | 0.2 |
| 66 | 0.2 |
| 86 | 0.2 |
| 106 | 0.2 |
| 126 | 0.2 |
| 146 | 0.2 |
| 166 | 0.2 |
| 186 | 0.2 |
| 206 | 0.2 |

| | |
|---|---|
| 226 | 0.2 |
| 246 | 0.2 |
| 266 | 0.2 |
| 286 | 0.2 |
| 306 | 0.2 |
| 326 | 0.2 |
| 346 | 0.2 |
| 366 | 0.2 |
| 386 | 0.2 |
| 406 | 0.2 |
| 426 | 0.2 |
| 446 | 0.2 |
| 466 | 0.2 |
| 486 | 0.2 |
| 506 | 0.2 |
| 526 | 0.2 |
| 546 | 0.2 |
| 566 | 0.2 |
| 586 | 0.2 |
| 606 | 0.2 |
| 626 | 0.2 |
| 646 | 0.2 |
| 666 | 0.2 |
| ***Developed, low | |
| 27 | 0.2 |
| 47 | 0.2 |
| 67 | 0.2 |
| 87 | 0.2 |
| 107 | 0.2 |
| 127 | 0.2 |
| 147 | 0.2 |
| 167 | 0.2 |
| 187 | 0.2 |
| 207 | 0.2 |
| 227 | 0.2 |
| 247 | 0.2 |
| 267 | 0.2 |
| 287 | 0.2 |
| 307 | 0.2 |
| 327 | 0.2 |
| 347 | 0.2 |
| 367 | 0.2 |
| 387 | 0.2 |
| 407 | 0.2 |
| 427 | 0.2 |
| 447 | 0.2 |
| 467 | 0.2 |
| 487 | 0.2 |
| 507 | 0.2 |
| 527 | 0.2 |
| 547 | 0.2 |
| 567 | 0.2 |
| 587 | 0.2 |
| 607 | 0.2 |
| 627 | 0.2 |
| 647 | 0.2 |

| | |
|---|---|
| 667 | 0.2 |
| ***Developed, med/high | |
| 28 | 0.5 |
| 48 | 0.5 |
| 68 | 0.5 |
| 88 | 0.5 |
| 108 | 0.5 |
| 128 | 0.5 |
| 148 | 0.5 |
| 168 | 0.5 |
| 188 | 0.5 |
| 208 | 0.5 |
| 228 | 0.5 |
| 248 | 0.5 |
| 268 | 0.5 |
| 288 | 0.5 |
| 308 | 0.5 |
| 328 | 0.5 |
| 348 | 0.5 |
| 368 | 0.5 |
| 388 | 0.5 |
| 408 | 0.5 |
| 428 | 0.5 |
| 448 | 0.5 |
| 468 | 0.5 |
| 488 | 0.5 |
| 508 | 0.5 |
| 528 | 0.5 |
| 548 | 0.5 |
| 568 | 0.5 |
| 588 | 0.5 |
| 608 | 0.5 |
| 628 | 0.5 |
| 648 | 0.5 |
| 668 | 0.5 |
| ***Wetlands | |
| 29 | 0.05 |
| 49 | 0.05 |
| 69 | 0.05 |
| 89 | 0.05 |
| 109 | 0.05 |
| 129 | 0.05 |
| 149 | 0.05 |
| 169 | 0.05 |
| 189 | 0.05 |
| 209 | 0.05 |
| 229 | 0.05 |
| 249 | 0.05 |
| 269 | 0.05 |
| 289 | 0.05 |
| 309 | 0.05 |
| 329 | 0.05 |
| 349 | 0.05 |
| 369 | 0.05 |
| 389 | 0.05 |
| 409 | 0.05 |

| | |
|---|---|
| 429 | 0.05 |
| 449 | 0.05 |
| 469 | 0.05 |
| 489 | 0.05 |
| 509 | 0.05 |
| 529 | 0.05 |
| 549 | 0.05 |
| 569 | 0.05 |
| 589 | 0.05 |
| 609 | 0.05 |
| 629 | 0.05 |
| 649 | 0.05 |
| 669 | 0.05 |

***Cropland

| | |
|---|---|
| 30 | 1.0 |
| 50 | 1.0 |
| 70 | 1.0 |
| 90 | 1.0 |
| 110 | 1.0 |
| 130 | 1.0 |
| 150 | 1.0 |
| 170 | 1.0 |
| 190 | 1.0 |
| 210 | 1.0 |
| 230 | 1.0 |
| 250 | 1.0 |
| 270 | 1.0 |
| 290 | 1.0 |
| 310 | 1.0 |
| 330 | 1.0 |
| 350 | 1.0 |
| 370 | 1.0 |
| 390 | 1.0 |
| 410 | 1.0 |
| 430 | 1.0 |
| 450 | 1.0 |
| 470 | 1.0 |
| 490 | 1.0 |
| 510 | 1.0 |
| 530 | 1.0 |
| 550 | 1.0 |
| 570 | 1.0 |
| 590 | 1.0 |
| 610 | 1.0 |
| 630 | 1.0 |
| 650 | 1.0 |
| 670 | 1.0 |

***Pasture with Litter Applied

| | |
|---|---|
| 32 | 0.5 |
| 52 | 0.5 |
| 72 | 0.5 |
| 92 | 0.5 |
| 112 | 0.5 |
| 132 | 0.5 |
| 152 | 0.5 |
| 172 | 0.5 |

```
  192          0.5
  212          0.5
  232          0.5
  252          0.5
  272          0.5
  292          0.5
  312          0.5
  332          0.5
  352          0.5
  372          0.5
  392          0.5
  412          0.5
  432          0.5
  452          0.5
  472          0.5
  492          0.5
  512          0.5
  532          0.5
  552          0.5
  572          0.5
  592          0.5
  612          0.5
  632          0.5
  652          0.5
  672          0.5
  END SED-STOR

  PSTEMP-PARM1
*** <PLS >  Flags for section PSTEMP
*** x -  x SLTV ULTV LGTV TSOP
   21  672    1    1    1    1
  END PSTEMP-PARM1

  PSTEMP-PARM2
*** <PLS >      ASLT      BSLT     ULTP1     ULTP2     LGTP1     LGTP2
*** x -  x   (deg F)   (deg F)            (deg F)            (deg F)
   21  672      15.0       0.3      15.0       0.3      47.0       0.0
  END PSTEMP-PARM2

  MON-ASLT
*** <PLS >  Value of ASLT at start of each month (deg F)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
***Forest
   21      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
   41      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
   61      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
   81      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
  101      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
  121      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
  141      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
  161      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
  181      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
  201      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
  221      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
  241      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
  261      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
```

```
 281      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 301      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 321      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 341      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 361      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 381      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 401      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 421      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 441      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 461      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 481      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 501      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 521      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 541      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 561      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 581      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 601      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 621      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 641      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
 661      40.0 40.0 39.0 45.0 52.0 57.0 59.0 59.0 59.0 52.0 42.0 40.0
***Pasture
  22   24 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
  32      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
  42   44 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
  52      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
  62   64 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
  72      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
  82   84 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
  92      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 102  104 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 112      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 122  124 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 132      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 142  144 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 152      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 162  164 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 172      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 182  184 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 192      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 202  204 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 212      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 222  224 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 232      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 242  244 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 252      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 262  264 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 272      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 282  284 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 292      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 302  304 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 312      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 322  324 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 332      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 342  344 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 352      40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
 362  364 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
```

372 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
382 384 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
392 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
402 404 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
412 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
422 424 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
432 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
442 444 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
452 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
462 464 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
472 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
482 484 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
492 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
502 504 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
512 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
522 524 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
532 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
542 544 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
552 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
562 564 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
572 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
582 584 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
592 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
602 604 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
612 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
622 624 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
632 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
642 644 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
652 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
662 664 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
672 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
***Grass/Shrub/Barren
25 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
45 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
65 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
85 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
105 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
125 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
145 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
165 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
185 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
205 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
225 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
245 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
265 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
285 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
305 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
325 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
345 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
365 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
385 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
405 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
425 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
445 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
465 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0
485 40.0 40.0 42.0 47.0 57.0 65.0 65.0 65.0 65.0 57.0 47.0 42.0

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 505 | 40.0 | 40.0 | 42.0 | 47.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 47.0 | 42.0 |
| 525 | 40.0 | 40.0 | 42.0 | 47.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 47.0 | 42.0 |
| 545 | 40.0 | 40.0 | 42.0 | 47.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 47.0 | 42.0 |
| 565 | 40.0 | 40.0 | 42.0 | 47.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 47.0 | 42.0 |
| 585 | 40.0 | 40.0 | 42.0 | 47.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 47.0 | 42.0 |
| 605 | 40.0 | 40.0 | 42.0 | 47.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 47.0 | 42.0 |
| 625 | 40.0 | 40.0 | 42.0 | 47.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 47.0 | 42.0 |
| 645 | 40.0 | 40.0 | 42.0 | 47.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 47.0 | 42.0 |
| 665 | 40.0 | 40.0 | 42.0 | 47.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 47.0 | 42.0 |

***Developed

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 27 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 28 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 46 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 47 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 48 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 66 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 67 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 68 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 86 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 87 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 88 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 106 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 107 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 108 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 126 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 127 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 128 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 146 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 147 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 148 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 166 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 167 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 168 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 186 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 187 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 188 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 206 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 207 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 208 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 226 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 227 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 228 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 246 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 247 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 248 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 266 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 267 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 268 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 286 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 287 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 288 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 306 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 307 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 308 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 326 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 327 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 328 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 346 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 347 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 348 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 366 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 367 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 368 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 386 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 387 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 388 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 406 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 407 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 408 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 426 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 427 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 428 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 446 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 447 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 448 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 466 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 467 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 468 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 486 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 487 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 488 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 506 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 507 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 508 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 526 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 527 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 528 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 546 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 547 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 548 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 566 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 567 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 568 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 586 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 587 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 588 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 606 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 607 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 608 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 626 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 627 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 628 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 646 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 647 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 648 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 666 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 667 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 668 | 42.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |

***Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 49 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 89 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 109 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 129 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 149 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 169 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 189 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 209 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 229 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 249 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 269 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 289 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 309 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 329 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 349 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 369 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 389 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 409 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 429 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 449 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 469 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 489 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 509 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 529 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 549 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 569 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 589 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 609 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 629 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 649 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |
| 669 | 42.0 | 42.0 | 45.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 42.0 | 42.0 |

***Cropland

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 50 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 70 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 90 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 110 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 130 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 150 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 170 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 190 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 210 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 230 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 250 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 270 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 290 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 310 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 330 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 350 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 370 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 390 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 410 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 430 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 450 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 470 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |
| 490 | 40.0 | 40.0 | 42.0 | 42.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 42.0 | 40.0 |

```
 510      40.0 40.0 42.0 42.0 52.0 62.0 62.0 62.0 62.0 52.0 42.0 40.0
 530      40.0 40.0 42.0 42.0 52.0 62.0 62.0 62.0 62.0 52.0 42.0 40.0
 550      40.0 40.0 42.0 42.0 52.0 62.0 62.0 62.0 62.0 52.0 42.0 40.0
 570      40.0 40.0 42.0 42.0 52.0 62.0 62.0 62.0 62.0 52.0 42.0 40.0
 590      40.0 40.0 42.0 42.0 52.0 62.0 62.0 62.0 62.0 52.0 42.0 40.0
 610      40.0 40.0 42.0 42.0 52.0 62.0 62.0 62.0 62.0 52.0 42.0 40.0
 630      40.0 40.0 42.0 42.0 52.0 62.0 62.0 62.0 62.0 52.0 42.0 40.0
 650      40.0 40.0 42.0 42.0 52.0 62.0 62.0 62.0 62.0 52.0 42.0 40.0
 670      40.0 40.0 42.0 42.0 52.0 62.0 62.0 62.0 62.0 52.0 42.0 40.0
 END MON-ASLT

 MON-BSLT
*** <PLS >  Value of BSLT at start of each month (deg F/F)
*** x -  x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
***Forest
  21      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
  41      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
  61      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
  81      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 101      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 121      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 141      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 161      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 181      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 201      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 221      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 241      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 261      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 281      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 301      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 321      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 341      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 361      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 381      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 401      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 421      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 441      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 461      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 481      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 501      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 521      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 541      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 561      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 581      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 601      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 621      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 641      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
 661      0.24 0.24 0.25 0.30 0.33 0.36 0.36 0.36 0.36 0.33 0.27 0.25
***Pasture
  22   24 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
  32      0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
  42   44 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
  52      0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
  62   64 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
  72      0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
  82   84 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
```

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 92 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 102 | 104 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 112 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 122 | 124 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 132 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 142 | 144 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 152 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 162 | 164 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 172 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 182 | 184 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 192 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 202 | 204 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 212 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 222 | 224 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 232 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 242 | 244 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 252 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 262 | 264 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 272 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 282 | 284 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 292 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 302 | 304 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 312 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 322 | 324 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 332 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 342 | 344 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 352 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 362 | 364 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 372 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 382 | 384 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 392 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 402 | 404 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 412 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 422 | 424 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 432 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 442 | 444 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 452 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 462 | 464 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 472 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 482 | 484 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 492 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 502 | 504 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 512 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 522 | 524 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 532 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 542 | 544 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 552 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 562 | 564 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 572 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 582 | 584 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 592 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 602 | 604 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 612 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 622 | 624 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 632 | | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |
| 642 | 644 | 0.30 | 0.30 | 0.33 | 0.39 | 0.45 | 0.45 | 0.45 | 0.45 | 0.42 | 0.39 | 0.36 | 0.33 |

652 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
662 664 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
672 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
***Grass/Shrub/Barren
25 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
45 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
65 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
85 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
105 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
125 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
145 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
165 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
185 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
205 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
225 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
245 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
265 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
285 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
305 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
325 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
345 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
365 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
385 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
405 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
425 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
445 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
465 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
485 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
505 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
525 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
545 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
565 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
585 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
605 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
625 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
645 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
665 0.30 0.30 0.33 0.39 0.45 0.45 0.45 0.45 0.42 0.39 0.36 0.33
***Developed
26 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
27 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
28 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
46 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
47 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
48 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
66 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
67 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
68 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
86 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
87 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
88 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
106 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
107 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
108 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
126 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
127 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
128 0.33 0.33 0.36 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 146 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 147 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 148 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 166 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 167 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 168 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 186 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 187 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 188 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 206 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 207 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 208 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 226 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 227 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 228 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 246 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 247 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 248 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 266 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 267 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 268 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 286 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 287 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 288 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 306 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 307 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 308 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 326 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 327 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 328 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 346 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 347 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 348 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 366 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 367 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 368 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 386 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 387 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 388 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 406 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 407 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 408 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 426 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 427 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 428 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 446 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 447 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 448 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 466 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 467 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 468 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 486 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 487 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 488 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 506 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 507 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 508 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 526 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 527 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 528 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 546 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 547 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 548 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 566 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 567 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 568 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 586 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 587 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 588 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 606 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 607 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 608 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 626 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 627 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 628 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 646 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 647 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 648 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 666 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 667 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 668 | 0.33 | 0.33 | 0.36 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |

***Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 49 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 69 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 89 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 109 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 129 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 149 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 169 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 189 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 209 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 229 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 249 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 269 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 289 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 309 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 329 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 349 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 369 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 389 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 409 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 429 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 449 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 469 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 489 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 509 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 529 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 549 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 569 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 589 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |
| 609 | 0.30 | 0.30 | 0.33 | 0.39 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.39 | 0.36 | 0.33 |

```
 629      0.30 0.30 0.33 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
 649      0.30 0.30 0.33 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
 669      0.30 0.30 0.33 0.39 0.42 0.42 0.42 0.42 0.42 0.39 0.36 0.33
***Cropland
  30      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
  50      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
  70      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
  90      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 110      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 130      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 150      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 170      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 190      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 210      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 230      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 250      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 270      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 290      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 310      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 330      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 350      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 370      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 390      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 410      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 430      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 450      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 470      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 490      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 510      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 530      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 550      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 570      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 590      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 610      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 630      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 650      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 670      0.31 0.31 0.36 0.41 0.48 0.48 0.48 0.45 0.42 0.39 0.36 0.33
 END MON-BSLT

 MON-ULTP1
*** <PLS >  Value of ULTP1 at start of each month in deg F (TSOPFG=1)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
***Forest
  21      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
  41      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
  61      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
  81      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 101      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 121      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 141      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 161      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 181      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 201      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 221      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 241      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 261      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
```

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 281      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 301      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 321      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 341      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 361      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 381      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 401      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 421      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 441      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 461      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 481      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 501      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 521      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 541      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 561      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 581      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 601      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 621      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 641      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
 661      42.0 42.0 44.0 50.0 52.0 57.0 59.0 59.0 59.0 52.0 47.0 42.0
***Pasture
  22   24 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
  32      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
  42   44 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
  52      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
  62   64 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
  72      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
  82   84 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
  92      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 102  104 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 112      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 122  124 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 132      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 142  144 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 152      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 162  164 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 172      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 182  184 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 192      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 202  204 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 212      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 222  224 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 232      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 242  244 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 252      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 262  264 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 272      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 282  284 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 292      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 302  304 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 312      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 322  324 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 332      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 342  344 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 352      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 362  364 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
```

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 372      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 382  384 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 392      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 402  404 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 412      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 422  424 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 432      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 442  444 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 452      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 462  464 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 472      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 482  484 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 492      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 502  504 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 512      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 522  524 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 532      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 542  544 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 552      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 562  564 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 572      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 582  584 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 592      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 602  604 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 612      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 622  624 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 632      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 642  644 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 652      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 662  664 40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 672      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
***Grass/Shrub/Barren
  25      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
  45      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
  65      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
  85      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 105      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 125      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 145      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 165      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 185      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 205      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 225      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 245      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 265      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 285      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 305      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 325      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 345      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 365      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 385      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 405      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 425      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 445      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 465      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
 485      40.0 40.0 42.0 52.0 57.0 65.0 65.0 65.0 65.0 57.0 52.0 42.0
```

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 505 | 40.0 | 40.0 | 42.0 | 52.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 52.0 | 42.0 |
| 525 | 40.0 | 40.0 | 42.0 | 52.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 52.0 | 42.0 |
| 545 | 40.0 | 40.0 | 42.0 | 52.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 52.0 | 42.0 |
| 565 | 40.0 | 40.0 | 42.0 | 52.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 52.0 | 42.0 |
| 585 | 40.0 | 40.0 | 42.0 | 52.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 52.0 | 42.0 |
| 605 | 40.0 | 40.0 | 42.0 | 52.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 52.0 | 42.0 |
| 625 | 40.0 | 40.0 | 42.0 | 52.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 52.0 | 42.0 |
| 645 | 40.0 | 40.0 | 42.0 | 52.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 52.0 | 42.0 |
| 665 | 40.0 | 40.0 | 42.0 | 52.0 | 57.0 | 65.0 | 65.0 | 65.0 | 65.0 | 57.0 | 52.0 | 42.0 |

***Developed

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 27 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 28 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 46 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 47 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 48 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 66 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 67 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 68 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 86 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 87 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 88 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 106 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 107 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 108 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 126 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 127 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 128 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 146 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 147 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 148 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 166 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 167 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 168 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 186 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 187 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 188 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 206 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 207 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 208 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 226 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 227 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 228 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 246 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 247 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 248 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 266 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 267 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 268 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 286 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 287 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 288 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 306 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 307 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 308 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 326 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 327 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 328 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 346 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 347 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 348 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 366 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 367 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 368 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 386 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 387 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 388 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 406 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 407 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 408 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 426 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 427 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 428 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 446 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 447 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 448 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 466 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 467 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 468 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 486 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 487 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 488 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 506 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 507 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 508 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 526 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 527 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 528 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 546 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 547 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 548 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 566 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 567 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 568 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 586 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 587 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 588 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 606 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 607 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 608 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 626 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 627 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 628 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 646 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 647 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 648 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 666 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 667 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |
| 668 | 42.0 | 42.0 | 47.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 | 42.0 |

***Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 49 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 89 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 109 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 129 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 149 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 169 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 189 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 209 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 229 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 249 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 269 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 289 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 309 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 329 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 349 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 369 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 389 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 409 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 429 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 449 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 469 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 489 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 509 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 529 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 549 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 569 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 589 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 609 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 629 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 649 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 669 | 42.0 | 42.0 | 50.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 59.0 | 52.0 | 47.0 | 42.0 |

***Cropland

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 50 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 70 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 90 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 110 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 130 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 150 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 170 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 190 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 210 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 230 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 250 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 270 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 290 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 310 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 330 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 350 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 370 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 390 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 410 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 430 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 450 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 470 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |
| 490 | 37.0 | 37.0 | 40.0 | 47.0 | 52.0 | 62.0 | 62.0 | 62.0 | 62.0 | 52.0 | 47.0 | 37.0 |

```
 510      37.0 37.0 40.0 47.0 52.0 62.0 62.0 62.0 62.0 52.0 47.0 37.0
 530      37.0 37.0 40.0 47.0 52.0 62.0 62.0 62.0 62.0 52.0 47.0 37.0
 550      37.0 37.0 40.0 47.0 52.0 62.0 62.0 62.0 62.0 52.0 47.0 37.0
 570      37.0 37.0 40.0 47.0 52.0 62.0 62.0 62.0 62.0 52.0 47.0 37.0
 590      37.0 37.0 40.0 47.0 52.0 62.0 62.0 62.0 62.0 52.0 47.0 37.0
 610      37.0 37.0 40.0 47.0 52.0 62.0 62.0 62.0 62.0 52.0 47.0 37.0
 630      37.0 37.0 40.0 47.0 52.0 62.0 62.0 62.0 62.0 52.0 47.0 37.0
 650      37.0 37.0 40.0 47.0 52.0 62.0 62.0 62.0 62.0 52.0 47.0 37.0
 670      37.0 37.0 40.0 47.0 52.0 62.0 62.0 62.0 62.0 52.0 47.0 37.0
 END MON-ULTP1

 MON-ULTP2
*** <PLS >  Value of ULTP2 at start of each month in Deg F/F (TSOPFG=1)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
***Forest
  21      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
  41      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
  61      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
  81      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 101      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 121      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 141      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 161      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 181      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 201      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 221      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 241      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 261      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 281      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 301      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 321      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 341      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 361      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 381      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 401      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 421      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 441      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 461      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 481      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 501      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 521      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 541      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 561      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 581      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 601      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 621      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 641      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
 661      0.11 0.11 0.13 0.20 0.25 0.28 0.28 0.28 0.28 0.25 0.23 0.13
***Pasture
  22   24 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
  32      0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
  42   44 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
  52      0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
  62   64 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
  72      0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
  82   84 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
```

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 92 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 102 | 104 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 112 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 122 | 124 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 132 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 142 | 144 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 152 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 162 | 164 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 172 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 182 | 184 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 192 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 202 | 204 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 212 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 222 | 224 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 232 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 242 | 244 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 252 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 262 | 264 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 272 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 282 | 284 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 292 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 302 | 304 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 312 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 322 | 324 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 332 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 342 | 344 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 352 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 362 | 364 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 372 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 382 | 384 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 392 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 402 | 404 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 412 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 422 | 424 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 432 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 442 | 444 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 452 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 462 | 464 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 472 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 482 | 484 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 492 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 502 | 504 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 512 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 522 | 524 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 532 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 542 | 544 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 552 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 562 | 564 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 572 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 582 | 584 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 592 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 602 | 604 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 612 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 622 | 624 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 632 | | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |
| 642 | 644 | 0.15 | 0.15 | 0.18 | 0.23 | 0.28 | 0.33 | 0.35 | 0.35 | 0.35 | 0.33 | 0.28 | 0.18 |

652 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
662 664 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
672 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
***Grass/Shrub/Barren
25 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
45 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
65 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
85 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
105 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
125 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
145 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
165 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
185 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
205 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
225 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
245 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
265 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
285 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
305 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
325 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
345 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
365 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
385 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
405 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
425 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
445 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
465 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
485 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
505 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
525 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
545 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
565 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
585 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
605 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
625 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
645 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
665 0.15 0.15 0.18 0.23 0.28 0.33 0.35 0.35 0.35 0.33 0.28 0.18
***Developed
26 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
27 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
28 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
46 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
47 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
48 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
66 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
67 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
68 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
86 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
87 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
88 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
106 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
107 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
108 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
126 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
127 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15
128 0.13 0.13 0.15 0.20 0.25 0.30 0.33 0.33 0.33 0.28 0.23 0.15

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 146 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 147 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 148 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 166 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 167 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 168 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 186 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 187 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 188 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 206 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 207 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 208 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 226 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 227 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 228 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 246 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 247 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 248 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 266 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 267 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 268 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 286 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 287 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 288 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 306 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 307 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 308 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 326 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 327 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 328 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 346 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 347 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 348 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 366 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 367 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 368 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 386 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 387 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 388 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 406 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 407 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 408 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 426 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 427 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 428 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 446 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 447 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 448 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 466 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 467 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 468 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 486 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 487 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 488 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 506 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 507 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 508 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 526 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 527 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 528 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 546 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 547 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 548 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 566 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 567 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 568 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 586 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 587 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 588 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 606 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 607 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 608 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 626 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 627 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 628 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 646 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 647 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 648 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 666 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 667 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |
| 668 | 0.13 | 0.13 | 0.15 | 0.20 | 0.25 | 0.30 | 0.33 | 0.33 | 0.33 | 0.28 | 0.23 | 0.15 |

***Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 49 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 69 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 89 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 109 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 129 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 149 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 169 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 189 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 209 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 229 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 249 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 269 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 289 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 309 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 329 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 349 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 369 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 389 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 409 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 429 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 449 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 469 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 489 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 509 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 529 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 549 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 569 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 589 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |
| 609 | 0.20 | 0.20 | 0.20 | 0.23 | 0.28 | 0.33 | 0.34 | 0.34 | 0.34 | 0.33 | 0.28 | 0.20 |

```
 629     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 649     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 669     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
***Cropland
  30     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
  50     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
  70     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
  90     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 110     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 130     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 150     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 170     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 190     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 210     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 230     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 250     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 270     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 290     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 310     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 330     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 350     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 370     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 390     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 410     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 430     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 450     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 470     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 490     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 510     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 530     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 550     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 570     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 590     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 610     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 630     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 650     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 670     0.20 0.20 0.20 0.23 0.28 0.33 0.34 0.34 0.34 0.33 0.28 0.20
 END MON-ULTP2

 MON-LGTP1
*** <PLS >  Value of LGTP1 at start of each month in Deg F (TSOPFG=1)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
***Forest
  21     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
  41     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
  61     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
  81     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
 101     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
 121     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
 141     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
 161     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
 181     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
 201     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
 221     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
 241     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
 261     47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
```

281 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
301 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
321 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
341 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
361 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
381 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
401 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
421 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
441 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
461 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
481 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
501 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
521 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
541 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
561 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
581 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
601 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
621 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
641 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
661 47.0 47.0 52.0 54.0 57.0 59.0 59.0 59.0 57.0 52.0 52.0 47.0
***Pasture
22 24 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
32 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
42 44 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
52 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
62 64 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
72 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
82 84 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
92 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
102 104 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
112 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
122 124 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
132 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
142 144 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
152 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
162 164 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
172 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
182 184 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
192 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
202 204 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
212 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
222 224 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
232 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
242 244 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
252 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
262 264 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
272 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
282 284 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
292 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
302 304 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
312 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
322 324 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
332 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
342 344 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
352 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
362 364 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0

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 372     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 382 384 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 392     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 402 404 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 412     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 422 424 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 432     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 442 444 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 452     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 462 464 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 472     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 482 484 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 492     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 502 504 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 512     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 522 524 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 532     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 542 544 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 552     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 562 564 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 572     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 582 584 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 592     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 602 604 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 612     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 622 624 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 632     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 642 644 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 652     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 662 664 45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 672     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
***Grass/Shrub/Barren
  25     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
  45     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
  65     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
  85     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 105     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 125     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 145     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 165     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 185     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 205     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 225     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 245     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 265     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 285     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 305     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 325     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 345     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 365     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 385     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 405     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 425     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 445     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 465     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
 485     45.0 45.0 47.0 54.0 59.0 62.0 62.0 62.0 57.0 52.0 47.0 45.0
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 505 | 45.0 | 45.0 | 47.0 | 54.0 | 59.0 | 62.0 | 62.0 | 62.0 | 57.0 | 52.0 | 47.0 | 45.0 |
| 525 | 45.0 | 45.0 | 47.0 | 54.0 | 59.0 | 62.0 | 62.0 | 62.0 | 57.0 | 52.0 | 47.0 | 45.0 |
| 545 | 45.0 | 45.0 | 47.0 | 54.0 | 59.0 | 62.0 | 62.0 | 62.0 | 57.0 | 52.0 | 47.0 | 45.0 |
| 565 | 45.0 | 45.0 | 47.0 | 54.0 | 59.0 | 62.0 | 62.0 | 62.0 | 57.0 | 52.0 | 47.0 | 45.0 |
| 585 | 45.0 | 45.0 | 47.0 | 54.0 | 59.0 | 62.0 | 62.0 | 62.0 | 57.0 | 52.0 | 47.0 | 45.0 |
| 605 | 45.0 | 45.0 | 47.0 | 54.0 | 59.0 | 62.0 | 62.0 | 62.0 | 57.0 | 52.0 | 47.0 | 45.0 |
| 625 | 45.0 | 45.0 | 47.0 | 54.0 | 59.0 | 62.0 | 62.0 | 62.0 | 57.0 | 52.0 | 47.0 | 45.0 |
| 645 | 45.0 | 45.0 | 47.0 | 54.0 | 59.0 | 62.0 | 62.0 | 62.0 | 57.0 | 52.0 | 47.0 | 45.0 |
| 665 | 45.0 | 45.0 | 47.0 | 54.0 | 59.0 | 62.0 | 62.0 | 62.0 | 57.0 | 52.0 | 47.0 | 45.0 |

***Developed

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 27 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 28 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 46 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 47 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 48 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 66 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 67 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 68 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 86 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 87 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 88 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 106 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 107 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 108 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 126 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 127 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 128 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 146 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 147 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 148 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 166 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 167 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 168 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 186 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 187 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 188 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 206 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 207 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 208 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 226 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 227 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 228 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 246 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 247 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 248 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 266 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 267 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 268 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 286 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 287 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 288 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 306 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 307 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 308 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 326 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 327 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 328 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 346 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 347 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 348 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 366 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 367 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 368 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 386 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 387 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 388 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 406 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 407 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 408 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 426 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 427 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 428 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 446 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 447 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 448 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 466 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 467 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 468 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 486 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 487 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 488 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 506 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 507 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 508 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 526 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 527 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 528 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 546 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 547 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 548 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 566 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 567 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 568 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 586 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 587 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 588 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 606 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 607 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 608 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 626 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 627 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 628 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 646 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 647 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 648 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 666 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 667 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |
| 668 | 42.0 | 42.0 | 45.0 | 49.0 | 57.0 | 62.0 | 62.0 | 62.0 | 55.0 | 52.0 | 42.0 | 42.0 |

***Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 49 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 89 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 109 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 129 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 149 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 169 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 189 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 209 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 229 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 249 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 269 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 289 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 309 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 329 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 349 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 369 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 389 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 409 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 429 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 449 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 469 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 489 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 509 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 529 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 549 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 569 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 589 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 609 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 629 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 649 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |
| 669 | 39.0 | 39.0 | 42.0 | 52.0 | 57.0 | 62.0 | 62.0 | 62.0 | 62.0 | 57.0 | 47.0 | 42.0 |

***Cropland

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 50 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 70 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 90 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 110 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 130 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 150 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 170 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 190 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 210 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 230 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 250 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 270 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 290 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 310 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 330 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 350 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 370 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 390 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 410 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 430 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 450 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 470 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |
| 490 | 42.0 | 40.0 | 40.0 | 47.0 | 57.0 | 62.0 | 64.0 | 65.0 | 59.0 | 52.0 | 47.0 | 42.0 |

```
  510      42.0 40.0 40.0 47.0 57.0 62.0 64.0 65.0 59.0 52.0 47.0 42.0
  530      42.0 40.0 40.0 47.0 57.0 62.0 64.0 65.0 59.0 52.0 47.0 42.0
  550      42.0 40.0 40.0 47.0 57.0 62.0 64.0 65.0 59.0 52.0 47.0 42.0
  570      42.0 40.0 40.0 47.0 57.0 62.0 64.0 65.0 59.0 52.0 47.0 42.0
  590      42.0 40.0 40.0 47.0 57.0 62.0 64.0 65.0 59.0 52.0 47.0 42.0
  610      42.0 40.0 40.0 47.0 57.0 62.0 64.0 65.0 59.0 52.0 47.0 42.0
  630      42.0 40.0 40.0 47.0 57.0 62.0 64.0 65.0 59.0 52.0 47.0 42.0
  650      42.0 40.0 40.0 47.0 57.0 62.0 64.0 65.0 59.0 52.0 47.0 42.0
  670      42.0 40.0 40.0 47.0 57.0 62.0 64.0 65.0 59.0 52.0 47.0 42.0
  END MON-LGTP1

  PSTEMP-TEMPS
*** <PLS >  Initial temperatures (deg F)
*** x -  x     AIRTC     SLTMP     ULTMP     LGTMP
   21  672      40.0      45.0      50.0      55.0
  END PSTEMP-TEMPS

  PWT-PARM1
*** <PLS >  Flags for section PWTGAS
*** x -  x  IDV  ICV  GDV  GVC
   21  672    1    0    1    0
  END PWT-PARM1

  PWT-PARM2
***         Second group of PWTGAS parms
*** <PLS >      ELEV     IDOXP     ICO2P     ADOXP     ACO2P
*** x -  x      (ft)    (mg/l)  (mg C/l)    (mg/l)  (mg C/l)
   21  672      500.      10.0       0.2       9.5       0.3
  END PWT-PARM2

  MON-IFWDOX
*** <PLS > Value at start of each month for interflow DO concentration (mg/l)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
   21  672 12.7 12.7 11.2 9.70 7.40 6.60 6.20 6.20 7.00 8.40 9.40 11.6
  END MON-IFWDOX

  MON-GRNDDOX
*** <PLS >Value at start of each month for groundwater DO concentration (mg/l)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
   21  672 10.0 10.0 10.0 10.0 7.50 5.50 5.00 5.00 5.50 7.50  9.0 10.0
  END MON-GRNDDOX

  PWT-GASES
***                 Initial DO and CO2 concentrations
*** <PLS >     SODOX     SOCO2     IODOX     IOCO2     AODOX     AOCO2
*** x -  x    (mg/l)  (mg C/l)    (mg/l)   (mg C/l)   (mg/l)  (mg C/l)
   51  563      14.5       0.0      12.7       0.0      10.0       0.0
  END PWT-GASES

  NQUALS
*** <PLS >
*** x -  xNQUAL
   21  672    4
  END NQUALS

  PQL-AD-FLAGS
```

Atmospheric Deposition Flags ***

| <PLS > | QUAL1 | | QUAL2 | | QUAL3 | | QUAL4 | | QUAL5 | | *** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| # - | # | F | C | F | C | F | C | F | C | F | C | *** |
| 21 | | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 25 | 31 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 35 | 41 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 45 | 51 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 55 | 61 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 65 | 71 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 75 | 81 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 85 | 91 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 95 | 101 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 105 | 111 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 115 | 121 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 125 | 131 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 135 | 141 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 145 | 151 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 155 | 161 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 165 | 171 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 175 | 181 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 185 | 191 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 195 | 201 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 205 | 211 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 215 | 221 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 225 | 231 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 235 | 241 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 245 | 251 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 255 | 261 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 265 | 271 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 275 | 281 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 285 | 291 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 295 | 301 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 305 | 311 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 315 | 321 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 325 | 331 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 335 | 341 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 345 | 351 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 355 | 361 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 365 | 371 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 375 | 381 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 385 | 391 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 395 | 401 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 405 | 411 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 415 | 421 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 425 | 431 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 435 | 441 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 445 | 451 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 455 | 461 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 465 | 471 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 475 | 481 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 485 | 491 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 495 | 501 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 505 | 511 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 515 | 521 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 525 | 531 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 535 | 541 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | |

```
  545  551  -1 -1  -1 -1   0  0   0  0   0  0
  555  561  -1 -1  -1 -1   0  0   0  0   0  0
  565  571  -1 -1  -1 -1   0  0   0  0   0  0
  575  581  -1 -1  -1 -1   0  0   0  0   0  0
  585  591  -1 -1  -1 -1   0  0   0  0   0  0
  595  601  -1 -1  -1 -1   0  0   0  0   0  0
  605  611  -1 -1  -1 -1   0  0   0  0   0  0
  615  621  -1 -1  -1 -1   0  0   0  0   0  0
  625  631  -1 -1  -1 -1   0  0   0  0   0  0
  635  641  -1 -1  -1 -1   0  0   0  0   0  0
  645  651  -1 -1  -1 -1   0  0   0  0   0  0
  655  661  -1 -1  -1 -1   0  0   0  0   0  0
  665  670  -1 -1  -1 -1   0  0   0  0   0  0
  END PQL-AD-FLAGS

  QUAL-PROPS
*** <PLS >  Identifiers and Flags
*** x -  x    QUALID      QTID  QSD VPFW VPFS  QSO  VQO QIFW VIQC QAGW VAQC
   21  670NH3+NH4         LBS     0    0    0    1    1    1    3    1    3
  END QUAL-PROPS

  QUAL-INPUT
*** These values were copied from LPCal03.uci and have not been adjusted for IRW
*** Storage on surface and nonseasonal parameters NH3+NH4 (non-Pasture) or BOD (Pasture)
***            SQO   POTFW   POTFS   ACQOP  SQOLIM   WSQOP    IOQC    AOQC
*** <PLS >  qty/ac qty/ton qty/ton    qty/  qty/ac   in/hr qty/ft3 qty/ft3
*** x -  x                          ac.day
*** Forest
   21        0.003                                  1.70
   41        0.003                                  1.70
   61        0.003                                  1.70
   81        0.003                                  1.70
  101        0.003                                  1.70
  121        0.003                                  1.70
  141        0.003                                  1.70
  161        0.003                                  1.70
  181        0.003                                  1.70
  201        0.003                                  1.70
  221        0.003                                  1.70
  241        0.003                                  1.70
  261        0.003                                  1.70
  281        0.003                                  1.70
  301        0.003                                  1.70
  321        0.003                                  1.70
  341        0.003                                  1.70
  361        0.003                                  1.70
  381        0.003                                  1.70
  401        0.003                                  1.70
  421        0.003                                  1.70
  441        0.003                                  1.70
  461        0.003                                  1.70
  481        0.003                                  1.70
  501        0.003                                  1.70
  521        0.003                                  1.70
  541        0.003                                  1.70
  561        0.003                                  1.70
```

| | | |
|---|---|---|
| 581 | 0.003 | 1.70 |
| 601 | 0.003 | 1.70 |
| 621 | 0.003 | 1.70 |
| 641 | 0.003 | 1.70 |
| 661 | 0.003 | 1.70 |
| *** Grass/Shrub/Barren | | |
| 25 | 0.001 | 1.60 |
| 45 | 0.001 | 1.60 |
| 65 | 0.001 | 1.60 |
| 85 | 0.001 | 1.60 |
| 105 | 0.001 | 1.60 |
| 125 | 0.001 | 1.60 |
| 145 | 0.001 | 1.60 |
| 165 | 0.001 | 1.60 |
| 185 | 0.001 | 1.60 |
| 205 | 0.001 | 1.60 |
| 225 | 0.001 | 1.60 |
| 245 | 0.001 | 1.60 |
| 265 | 0.001 | 1.60 |
| 285 | 0.001 | 1.60 |
| 305 | 0.001 | 1.60 |
| 325 | 0.001 | 1.60 |
| 345 | 0.001 | 1.60 |
| 365 | 0.001 | 1.60 |
| 385 | 0.001 | 1.60 |
| 405 | 0.001 | 1.60 |
| 425 | 0.001 | 1.60 |
| 445 | 0.001 | 1.60 |
| 465 | 0.001 | 1.60 |
| 485 | 0.001 | 1.60 |
| 505 | 0.001 | 1.60 |
| 525 | 0.001 | 1.60 |
| 545 | 0.001 | 1.60 |
| 565 | 0.001 | 1.60 |
| 585 | 0.001 | 1.60 |
| 605 | 0.001 | 1.60 |
| 625 | 0.001 | 1.60 |
| 645 | 0.001 | 1.60 |
| 665 | 0.001 | 1.60 |
| *** Developed, Open | | |
| 26 | 0.0005 | 1.50 |
| 46 | 0.0005 | 1.50 |
| 66 | 0.0005 | 1.50 |
| 86 | 0.0005 | 1.50 |
| 106 | 0.0005 | 1.50 |
| 126 | 0.0005 | 1.50 |
| 146 | 0.0005 | 1.50 |
| 166 | 0.0005 | 1.50 |
| 186 | 0.0005 | 1.50 |
| 206 | 0.0005 | 1.50 |
| 226 | 0.0005 | 1.50 |
| 246 | 0.0005 | 1.50 |
| 266 | 0.0005 | 1.50 |
| 286 | 0.0005 | 1.50 |
| 306 | 0.0005 | 1.50 |
| 326 | 0.0005 | 1.50 |

| | | |
|---|---|---|
| 346 | 0.0005 | 1.50 |
| 366 | 0.0005 | 1.50 |
| 386 | 0.0005 | 1.50 |
| 406 | 0.0005 | 1.50 |
| 426 | 0.0005 | 1.50 |
| 446 | 0.0005 | 1.50 |
| 466 | 0.0005 | 1.50 |
| 486 | 0.0005 | 1.50 |
| 506 | 0.0005 | 1.50 |
| 526 | 0.0005 | 1.50 |
| 546 | 0.0005 | 1.50 |
| 566 | 0.0005 | 1.50 |
| 586 | 0.0005 | 1.50 |
| 606 | 0.0005 | 1.50 |
| 626 | 0.0005 | 1.50 |
| 646 | 0.0005 | 1.50 |
| 666 | 0.0005 | 1.50 |
| *** Developed, Low | | |
| 27 | 0.001 | 1.50 |
| 47 | 0.001 | 1.50 |
| 67 | 0.001 | 1.50 |
| 87 | 0.001 | 1.50 |
| 107 | 0.001 | 1.50 |
| 127 | 0.001 | 1.50 |
| 147 | 0.001 | 1.50 |
| 167 | 0.001 | 1.50 |
| 187 | 0.001 | 1.50 |
| 207 | 0.001 | 1.50 |
| 227 | 0.001 | 1.50 |
| 247 | 0.001 | 1.50 |
| 267 | 0.001 | 1.50 |
| 287 | 0.001 | 1.50 |
| 307 | 0.001 | 1.50 |
| 327 | 0.001 | 1.50 |
| 347 | 0.001 | 1.50 |
| 367 | 0.001 | 1.50 |
| 387 | 0.001 | 1.50 |
| 407 | 0.001 | 1.50 |
| 427 | 0.001 | 1.50 |
| 447 | 0.001 | 1.50 |
| 467 | 0.001 | 1.50 |
| 487 | 0.001 | 1.50 |
| 507 | 0.001 | 1.50 |
| 527 | 0.001 | 1.50 |
| 547 | 0.001 | 1.50 |
| 567 | 0.001 | 1.50 |
| 587 | 0.001 | 1.50 |
| 607 | 0.001 | 1.50 |
| 627 | 0.001 | 1.50 |
| 647 | 0.001 | 1.50 |
| 667 | 0.001 | 1.50 |
| *** Developed, Med/High | | |
| 28 | 0.001 | 1.50 |
| 48 | 0.001 | 1.50 |
| 68 | 0.001 | 1.50 |
| 88 | 0.001 | 1.50 |

| | | |
|---|---|---|
| 108 | 0.001 | 1.50 |
| 128 | 0.001 | 1.50 |
| 148 | 0.001 | 1.50 |
| 168 | 0.001 | 1.50 |
| 188 | 0.001 | 1.50 |
| 208 | 0.001 | 1.50 |
| 228 | 0.001 | 1.50 |
| 248 | 0.001 | 1.50 |
| 268 | 0.001 | 1.50 |
| 288 | 0.001 | 1.50 |
| 308 | 0.001 | 1.50 |
| 328 | 0.001 | 1.50 |
| 348 | 0.001 | 1.50 |
| 368 | 0.001 | 1.50 |
| 388 | 0.001 | 1.50 |
| 408 | 0.001 | 1.50 |
| 428 | 0.001 | 1.50 |
| 448 | 0.001 | 1.50 |
| 468 | 0.001 | 1.50 |
| 488 | 0.001 | 1.50 |
| 508 | 0.001 | 1.50 |
| 528 | 0.001 | 1.50 |
| 548 | 0.001 | 1.50 |
| 568 | 0.001 | 1.50 |
| 588 | 0.001 | 1.50 |
| 608 | 0.001 | 1.50 |
| 628 | 0.001 | 1.50 |
| 648 | 0.001 | 1.50 |
| 668 | 0.001 | 1.50 |

*** Wetlands

| | | |
|---|---|---|
| 29 | 0.007 | 1.20 |
| 49 | 0.007 | 1.20 |
| 69 | 0.007 | 1.20 |
| 89 | 0.007 | 1.20 |
| 109 | 0.007 | 1.20 |
| 129 | 0.007 | 1.20 |
| 149 | 0.007 | 1.20 |
| 169 | 0.007 | 1.20 |
| 189 | 0.007 | 1.20 |
| 209 | 0.007 | 1.20 |
| 229 | 0.007 | 1.20 |
| 249 | 0.007 | 1.20 |
| 269 | 0.007 | 1.20 |
| 289 | 0.007 | 1.20 |
| 309 | 0.007 | 1.20 |
| 329 | 0.007 | 1.20 |
| 349 | 0.007 | 1.20 |
| 369 | 0.007 | 1.20 |
| 389 | 0.007 | 1.20 |
| 409 | 0.007 | 1.20 |
| 429 | 0.007 | 1.20 |
| 449 | 0.007 | 1.20 |
| 469 | 0.007 | 1.20 |
| 489 | 0.007 | 1.20 |
| 509 | 0.007 | 1.20 |
| 529 | 0.007 | 1.20 |

```
 549      0.007                    1.20
 569      0.007                    1.20
 589      0.007                    1.20
 609      0.007                    1.20
 629      0.007                    1.20
 649      0.007                    1.20
 669      0.007                    1.20
*** Cropland
  30      0.020                    1.50
  50      0.020                    1.50
  70      0.020                    1.50
  90      0.020                    1.50
 110      0.020                    1.50
 130      0.020                    1.50
 150      0.020                    1.50
 170      0.020                    1.50
 190      0.020                    1.50
 210      0.020                    1.50
 230      0.020                    1.50
 250      0.020                    1.50
 270      0.020                    1.50
 290      0.020                    1.50
 310      0.020                    1.50
 330      0.020                    1.50
 350      0.020                    1.50
 370      0.020                    1.50
 390      0.020                    1.50
 410      0.020                    1.50
 430      0.020                    1.50
 450      0.020                    1.50
 470      0.020                    1.50
 490      0.020                    1.50
 510      0.020                    1.50
 530      0.020                    1.50
 550      0.020                    1.50
 570      0.020                    1.50
 590      0.020                    1.50
 610      0.020                    1.50
 630      0.020                    1.50
 650      0.020                    1.50
 670      0.020                    1.50
 END QUAL-INPUT

 MON-ACCUM
*** ACCUMULATION RATE OF NH4 (lb NH4-N/AC.DAY) (non-Pasture)
*** <PLS >  Value at start of each month for accum rate of QUALOF (lb/ac.day)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
*** Forest
  21    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
  41    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
  61    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
  81    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 101    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 121    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 141    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 161    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
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 181    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 201    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 221    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 241    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 261    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 281    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 301    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 321    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 341    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 361    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 381    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 401    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 421    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 441    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 461    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 481    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 501    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 521    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 541    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 561    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 581    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 601    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 621    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 641    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
 661    .0017 .002 .002 .006 .006 .006 .006 .006 .006 .004 .002.0017
*** Grass/Shrub/Barren
  25    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
  45    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
  65    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
  85    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 105    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 125    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 145    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 165    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 185    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 205    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 225    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 245    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 265    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 285    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 305    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 325    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 345    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 365    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 385    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 405    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 425    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 445    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 465    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 485    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 505    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 525    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 545    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 565    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 585    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
 605    .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
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625 .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
645 .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
665 .0005 .001 .002 .003 .003 .003 .003 .003 .003 .002 .001.0005
*** Developed, Open
26 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0001
46 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
66 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
86 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
106 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
126 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
146 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
166 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
186 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
206 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
226 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
246 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
266 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
286 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
306 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
326 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
346 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
366 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
386 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
406 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
426 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
446 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
466 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
486 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
506 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
526 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
546 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
566 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
586 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
606 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
626 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
646 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
666 .0001.0002.0002.0003.0003.0003.0003.0003.0003.0002.0002.0003
*** Developed, Low
27 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
47 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
67 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
87 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
107 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
127 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
147 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
167 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
187 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
207 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
227 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
247 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
267 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
287 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
307 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
327 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
347 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
367 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002

387 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
407 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
427 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
447 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
467 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
487 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
507 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
527 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
547 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
567 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
587 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
607 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
627 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
647 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
667 .0002.0002.0003.0004.0004.0004.0004.0004.0004.0003.0002.0002
*** Developed, Med/High
28 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
48 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
68 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
88 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
108 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
128 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
148 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
168 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
188 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
208 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
228 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
248 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
268 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
288 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
308 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
328 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
348 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
368 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
388 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
408 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
428 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
448 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
468 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
488 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
508 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
528 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
548 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
568 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
588 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
608 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
628 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
648 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
668 .0003.0003.0004.0005.0005.0005.0005.0005.0005.0003.0003.0003
*** Wetlands
29 .0035 .004 .005 .012 .012 .012 .012 .012 .012 .008 .004.0035
49 .0035 .004 .005 .012 .012 .012 .012 .012 .012 .008 .004.0035
69 .0035 .004 .005 .012 .012 .012 .012 .012 .012 .008 .004.0035
89 .0035 .004 .005 .012 .012 .012 .012 .012 .012 .008 .004.0035
109 .0035 .004 .005 .012 .012 .012 .012 .012 .012 .008 .004.0035
129 .0035 .004 .005 .012 .012 .012 .012 .012 .012 .008 .004.0035

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 149 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 169 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 189 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 209 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 229 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 249 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 269 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 289 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 309 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 329 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 349 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 369 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 389 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 409 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 429 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 449 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 469 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 489 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 509 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 529 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 549 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 569 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 589 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 609 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 629 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 649 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |
| 669 | .0035 | .004 | .005 | .012 | .012 | .012 | .012 | .012 | .012 | .008 | .004 | .0035 |

*** Cropland

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 50 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 70 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 90 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 110 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 130 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 150 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 170 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 190 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 210 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 230 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 250 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 270 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 290 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 310 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 330 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 350 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 370 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 390 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 410 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 430 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 450 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 470 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 490 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 510 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 530 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 550 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |
| 570 | .008 | .008 | .009 | .053 | .042 | .018 | .005 | .005 | .004 | .022 | .021 | .008 |

```
 590     .008 .008 .009 .053 .042 .018 .005 .005 .004 .022 .021 .008
 610     .008 .008 .009 .053 .042 .018 .005 .005 .004 .022 .021 .008
 630     .008 .008 .009 .053 .042 .018 .005 .005 .004 .022 .021 .008
 650     .008 .008 .009 .053 .042 .018 .005 .005 .004 .022 .021 .008
 670     .008 .008 .009 .053 .042 .018 .005 .005 .004 .022 .021 .008
 END MON-ACCUM

 MON-SQOLIM
***        STORAGE LIMIT OF NH4 (lb NH4-N/AC)
*** <PLS >  Value at start of month for limiting storage of QUALOF (lb/ac)
*** x -  x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
*** Forest
  21     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
  41     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
  61     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
  81     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 101     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 121     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 141     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 161     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 181     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 201     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 221     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 241     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 261     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 281     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 301     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 321     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 341     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 361     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 381     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 401     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 421     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 441     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 461     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 481     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 501     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 521     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 541     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 561     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 581     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 601     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 621     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 641     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
 661     .002 .003 .004 .008 .008 .008 .008 .008 .008 .006 .003 .002
*** Grass/Shrub/Barren
  25    .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
  45    .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
  65    .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
  85    .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
 105    .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
 125    .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
 145    .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
 165    .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
 185    .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
 205    .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
```

225 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
245 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
265 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
285 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
305 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
325 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
345 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
365 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
385 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
405 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
425 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
445 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
465 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
485 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
505 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
525 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
545 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
565 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
585 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
605 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
625 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
645 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
665 .0015 .002 .004 .006 .006 .006 .006 .006 .006 .004 .002.0015
*** Developed, Open
26 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
46 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
66 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
86 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
106 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
126 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
146 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
166 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
186 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
206 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
226 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
246 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
266 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
286 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
306 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
326 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
346 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
366 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
386 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
406 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
426 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
446 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
466 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
486 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
506 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
526 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
546 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
566 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
586 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
606 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
626 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
646 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008

666 .0008.0009.0011.0013.0013.0013.0013.0013.0013.0011.0009.0008
*** Developed, Low
27 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
47 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
67 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
87 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
107 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
127 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
147 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
167 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
187 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
207 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
227 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
247 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
267 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
287 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
307 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
327 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
347 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
367 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
387 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
407 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
427 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
447 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
467 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
487 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
507 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
527 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
547 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
567 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
587 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
607 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
627 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
647 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
667 .0011.0012.0014.0018.0018.0018.0018.0018.0018.0014.0012.0011
*** Developed, Med/High
28 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
48 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
68 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
88 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
108 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
128 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
148 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
168 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
188 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
208 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
228 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
248 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
268 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
288 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
308 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
328 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
348 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
368 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
388 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
408 .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013

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 428    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
 448    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
 468    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
 488    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
 508    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
 528    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
 548    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
 568    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
 588    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
 608    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
 628    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
 648    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
 668    .0013.0015.0018.0022.0022.0022.0022.0022.0022.0018.0015.0013
*** Wetlands
  29    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
  49    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
  69    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
  89    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 109    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 129    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 149    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 169    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 189    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 209    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 229    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 249    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 269    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 289    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 309    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 329    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 349    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 369    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 389    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 409    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 429    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 449    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 469    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 489    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 509    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 529    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 549    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 569    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 589    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 609    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 629    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 649    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
 669    .008 .010 .012 .029 .029 .029 .029 .029 .029 .021 .010 .008
*** Cropland
  30    .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
  50    .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
  70    .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
  90    .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 110    .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 130    .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 150    .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 170    .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
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 190     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 210     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 230     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 250     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 270     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 290     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 310     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 330     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 350     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 370     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 390     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 410     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 430     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 450     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 470     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 490     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 510     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 530     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 550     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 570     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 590     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 610     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 630     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 650     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 670     .032 .031 .031 .203 .153 .053 .009 .009 .009 .082 .081 .031
 END MON-SQOLIM

 MON-IFLW-CONC
*** <PLS >  Conc of QUAL in interflow outflow for each month (mg/l) - NH4 (non-pasture) or BOD
(Pasture)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
*** Forest
  21     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  41     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  61     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  81     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 101     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 121     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 141     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 161     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 181     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 201     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 221     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 241     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 261     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 281     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 301     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 321     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 341     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 361     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 381     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 401     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 421     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 441     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 461     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 481     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
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 501     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 521     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 541     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 561     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 581     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 601     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 621     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 641     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 661     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
*** Grass/Shrub/Barren
  25     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
  45     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
  65     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
  85     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 105     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 125     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 145     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 165     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 185     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 205     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 225     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 245     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 265     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 285     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 305     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 325     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 345     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 365     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 385     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 405     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 425     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 445     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 465     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 485     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 505     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 525     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 545     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 565     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 585     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 605     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 625     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 645     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
 665     .050 .050 .050 .033 .033 .033 .033 .033 .033 .050 .050 .050
*** Developed, Open
  26     .067 .067 .067 .053 .053 .053 .053 .053 .053 .067 .067 .067
  46     .067 .067 .067 .053 .053 .053 .053 .053 .053 .067 .067 .067
  66     .067 .067 .067 .053 .053 .053 .053 .053 .053 .067 .067 .067
  86     .067 .067 .067 .053 .053 .053 .053 .053 .053 .067 .067 .067
 106     .067 .067 .067 .053 .053 .053 .053 .053 .053 .067 .067 .067
 126     .067 .067 .067 .053 .053 .053 .053 .053 .053 .067 .067 .067
 146     .067 .067 .067 .053 .053 .053 .053 .053 .053 .067 .067 .067
 166     .067 .067 .067 .053 .053 .053 .053 .053 .053 .067 .067 .067
 186     .067 .067 .067 .053 .053 .053 .053 .053 .053 .067 .067 .067
 206     .067 .067 .067 .053 .053 .053 .053 .053 .053 .067 .067 .067
 226     .067 .067 .067 .053 .053 .053 .053 .053 .053 .067 .067 .067
 246     .067 .067 .067 .053 .053 .053 .053 .053 .053 .067 .067 .067
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 266 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 286 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 306 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 326 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 346 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 366 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 386 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 406 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 426 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 446 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 466 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 486 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 506 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 526 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 546 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 566 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 586 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 606 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 626 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 646 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |
| 666 | .067 | .067 | .067 | .053 | .053 | .053 | .053 | .053 | .053 | .067 | .067 | .067 |

*** Developed, Low

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 47 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 67 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 87 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 107 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 127 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 147 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 167 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 187 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 207 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 227 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 247 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 267 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 287 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 307 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 327 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 347 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 367 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 387 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 407 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 427 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 447 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 467 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 487 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 507 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 527 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 547 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 567 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 587 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 607 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 627 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 647 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |
| 667 | .072 | .072 | .072 | .059 | .059 | .059 | .059 | .059 | .059 | .072 | .072 | .072 |

*** Developed, Med/High

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 48 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 68 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 88 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 108 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 128 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 148 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 168 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 188 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 208 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 228 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 248 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 268 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 288 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 308 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 328 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 348 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 368 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 388 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 408 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 428 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 448 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 468 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 488 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 508 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 528 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 548 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 568 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 588 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 608 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 628 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 648 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |
| 668 | .077 | .077 | .077 | .064 | .064 | .064 | .064 | .067 | .067 | .080 | .080 | .080 |

*** Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 49 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 69 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 89 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 109 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 129 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 149 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 169 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 189 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 209 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 229 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 249 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 269 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 289 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 309 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 329 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 349 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 369 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 389 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 409 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 429 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 449 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |

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  469     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  489     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  509     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  529     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  549     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  569     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  589     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  609     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  629     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  649     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  669     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
*** Cropland
   30     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
   50     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
   70     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
   90     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  110     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  130     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  150     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  170     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  190     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  210     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  230     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  250     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  270     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  290     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  310     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  330     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  350     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  370     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  390     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  410     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  430     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  450     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  470     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  490     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  510     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  530     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  550     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  570     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  590     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  610     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  630     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  650     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  670     .117 .117 .117 .073 .073 .073 .073 .073 .073 .117 .117 .117
  END MON-IFLW-CONC

  MON-GRND-CONC
*** <PLS >  Value at start of month for conc of QUAL in groundwater (qty/ft3)
***         Active Groundwater Concentration of NH4-N (mg/l) for non-Pasture or BOD for Pasture
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
*** Forest
   21     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
   41     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
   61     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
   81     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
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 101     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 121     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 141     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 161     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 181     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 201     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 221     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 241     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 261     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 281     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 301     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 321     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 341     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 361     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 381     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 401     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 421     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 441     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 461     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 481     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 501     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 521     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 541     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 561     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 581     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 601     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 621     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 641     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
 661     .027 .027 .027 .017 .017 .017 .017 .017 .017 .027 .027 .027
*** Grass/Shrub/Barren
  25     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  45     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  65     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
  85     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 105     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 125     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 145     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 165     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 185     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 205     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 225     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 245     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 265     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 285     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 305     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 325     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 345     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 365     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 385     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 405     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 425     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 445     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 465     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 485     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 505     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
 525     .040 .040 .040 .020 .020 .020 .020 .020 .020 .040 .040 .040
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| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 545 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 565 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 585 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 605 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 625 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 645 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |
| 665 | .040 | .040 | .040 | .020 | .020 | .020 | .020 | .020 | .020 | .040 | .040 | .040 |

*** Developed, Open

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 46 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 66 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 86 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 106 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 126 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 146 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 166 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 186 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 206 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 226 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 246 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 266 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 286 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 306 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 326 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 346 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 366 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 386 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 406 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 426 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 446 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 466 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 486 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 506 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 526 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 546 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 566 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 586 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 606 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 626 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 646 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |
| 666 | .052 | .052 | .052 | .040 | .040 | .040 | .040 | .040 | .040 | .052 | .052 | .052 |

*** Developed, Low

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 47 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 67 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 87 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 107 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 127 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 147 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 167 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 187 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 207 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 227 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 247 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 267 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 287 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 307 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 327 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 347 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 367 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 387 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 407 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 427 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 447 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 467 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 487 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 507 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 527 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 547 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 567 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 587 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 607 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 627 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 647 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |
| 667 | .053 | .053 | .053 | .043 | .043 | .043 | .043 | .043 | .043 | .053 | .053 | .053 |

*** Developed, Med/High

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 48 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 68 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 88 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 108 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 128 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 148 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 168 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 188 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 208 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 228 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 248 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 268 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 288 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 308 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 328 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 348 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 368 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 388 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 408 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 428 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 448 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 468 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 488 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 508 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 528 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 548 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 568 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 588 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 608 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 628 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 648 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |
| 668 | .056 | .056 | .056 | .045 | .045 | .045 | .045 | .045 | .045 | .056 | .056 | .056 |

*** Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 49 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 89 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 109 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 129 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 149 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 169 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 189 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 209 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 229 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 249 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 269 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 289 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 309 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 329 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 349 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 369 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 389 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 409 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 429 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 449 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 469 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 489 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 509 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 529 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 549 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 569 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 589 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 609 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 629 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 649 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |
| 669 | .027 | .027 | .027 | .017 | .017 | .017 | .017 | .017 | .017 | .027 | .027 | .027 |

*** Cropland

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 50 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 70 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 90 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 110 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 130 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 150 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 170 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 190 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 210 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 230 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 250 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 270 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 290 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 310 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 330 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 350 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 370 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 390 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 410 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 430 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 450 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 470 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |
| 490 | .050 | .050 | .050 | .027 | .027 | .027 | .027 | .027 | .027 | .050 | .050 | .050 |

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 510      .050 .050 .050 .027 .027 .027 .027 .027 .027 .050 .050 .050
 530      .050 .050 .050 .027 .027 .027 .027 .027 .027 .050 .050 .050
 550      .050 .050 .050 .027 .027 .027 .027 .027 .027 .050 .050 .050
 570      .050 .050 .050 .027 .027 .027 .027 .027 .027 .050 .050 .050
 590      .050 .050 .050 .027 .027 .027 .027 .027 .027 .050 .050 .050
 610      .050 .050 .050 .027 .027 .027 .027 .027 .027 .050 .050 .050
 630      .050 .050 .050 .027 .027 .027 .027 .027 .027 .050 .050 .050
 650      .050 .050 .050 .027 .027 .027 .027 .027 .027 .050 .050 .050
 670      .050 .050 .050 .027 .027 .027 .027 .027 .027 .050 .050 .050
 END MON-GRND-CONC

 QUAL-PROPS
*** <PLS >  Identifiers and Flags
*** x -  x    QUALID      QTID  QSD VPFW VPFS  QSO  VQO QIFW VIQC QAGW VAQC
  21  670NO3            LBS     0    0    0    1    1    1    3    1    3
 END QUAL-PROPS

 QUAL-INPUT
*** These values were copied from LPCal03.uci and have not been adjusted for IRW
***         Storage on surface and nonseasonal parameters - NO3
***           SQO   POTFW   POTFS   ACQOP  SQOLIM   WSQOP    IOQC    AOQC
*** <PLS >  qty/ac qty/ton qty/ton    qty/  qty/ac   in/hr qty/ft3 qty/ft3
*** x -  x                        ac.day
*** Forest
  21        0.07                                1.70
  41        0.07                                1.70
  61        0.07                                1.70
  81        0.07                                1.70
 101        0.07                                1.70
 121        0.07                                1.70
 141        0.07                                1.70
 161        0.07                                1.70
 181        0.07                                1.70
 201        0.07                                1.70
 221        0.07                                1.70
 241        0.07                                1.70
 261        0.07                                1.70
 281        0.07                                1.70
 301        0.07                                1.70
 321        0.07                                1.70
 341        0.07                                1.70
 361        0.07                                1.70
 381        0.07                                1.70
 401        0.07                                1.70
 421        0.07                                1.70
 441        0.07                                1.70
 461        0.07                                1.70
 481        0.07                                1.70
 501        0.07                                1.70
 521        0.07                                1.70
 541        0.07                                1.70
 561        0.07                                1.70
 581        0.07                                1.70
 601        0.07                                1.70
 621        0.07                                1.70
 641        0.07                                1.70
```

| | | |
|---|---|---|
| 661 | 0.07 | 1.70 |
| *** Grass/Shrub/Barren | | |
| 25 | 0.10 | 1.60 |
| 45 | 0.10 | 1.60 |
| 65 | 0.10 | 1.60 |
| 85 | 0.10 | 1.60 |
| 105 | 0.10 | 1.60 |
| 125 | 0.10 | 1.60 |
| 145 | 0.10 | 1.60 |
| 165 | 0.10 | 1.60 |
| 185 | 0.10 | 1.60 |
| 205 | 0.10 | 1.60 |
| 225 | 0.10 | 1.60 |
| 245 | 0.10 | 1.60 |
| 265 | 0.10 | 1.60 |
| 285 | 0.10 | 1.60 |
| 305 | 0.10 | 1.60 |
| 325 | 0.10 | 1.60 |
| 345 | 0.10 | 1.60 |
| 365 | 0.10 | 1.60 |
| 385 | 0.10 | 1.60 |
| 405 | 0.10 | 1.60 |
| 425 | 0.10 | 1.60 |
| 445 | 0.10 | 1.60 |
| 465 | 0.10 | 1.60 |
| 485 | 0.10 | 1.60 |
| 505 | 0.10 | 1.60 |
| 525 | 0.10 | 1.60 |
| 545 | 0.10 | 1.60 |
| 565 | 0.10 | 1.60 |
| 585 | 0.10 | 1.60 |
| 605 | 0.10 | 1.60 |
| 625 | 0.10 | 1.60 |
| 645 | 0.10 | 1.60 |
| 665 | 0.10 | 1.60 |
| *** Developed, Open | | |
| 26 | 0.02 | 0.50 |
| 46 | 0.02 | 0.50 |
| 66 | 0.02 | 0.50 |
| 86 | 0.02 | 0.50 |
| 106 | 0.02 | 0.50 |
| 126 | 0.02 | 0.50 |
| 146 | 0.02 | 0.50 |
| 166 | 0.02 | 0.50 |
| 186 | 0.02 | 0.50 |
| 206 | 0.02 | 0.50 |
| 226 | 0.02 | 0.50 |
| 246 | 0.02 | 0.50 |
| 266 | 0.02 | 0.50 |
| 286 | 0.02 | 0.50 |
| 306 | 0.02 | 0.50 |
| 326 | 0.02 | 0.50 |
| 346 | 0.02 | 0.50 |
| 366 | 0.02 | 0.50 |
| 386 | 0.02 | 0.50 |
| 406 | 0.02 | 0.50 |

| | | |
|---|---|---|
| 426 | 0.02 | 0.50 |
| 446 | 0.02 | 0.50 |
| 466 | 0.02 | 0.50 |
| 486 | 0.02 | 0.50 |
| 506 | 0.02 | 0.50 |
| 526 | 0.02 | 0.50 |
| 546 | 0.02 | 0.50 |
| 566 | 0.02 | 0.50 |
| 586 | 0.02 | 0.50 |
| 606 | 0.02 | 0.50 |
| 626 | 0.02 | 0.50 |
| 646 | 0.02 | 0.50 |
| 666 | 0.02 | 0.50 |

*** Developed, Low

| | | |
|---|---|---|
| 27 | 0.03 | 0.50 |
| 47 | 0.03 | 0.50 |
| 67 | 0.03 | 0.50 |
| 87 | 0.03 | 0.50 |
| 107 | 0.03 | 0.50 |
| 127 | 0.03 | 0.50 |
| 147 | 0.03 | 0.50 |
| 167 | 0.03 | 0.50 |
| 187 | 0.03 | 0.50 |
| 207 | 0.03 | 0.50 |
| 227 | 0.03 | 0.50 |
| 247 | 0.03 | 0.50 |
| 267 | 0.03 | 0.50 |
| 287 | 0.03 | 0.50 |
| 307 | 0.03 | 0.50 |
| 327 | 0.03 | 0.50 |
| 347 | 0.03 | 0.50 |
| 367 | 0.03 | 0.50 |
| 387 | 0.03 | 0.50 |
| 407 | 0.03 | 0.50 |
| 427 | 0.03 | 0.50 |
| 447 | 0.03 | 0.50 |
| 467 | 0.03 | 0.50 |
| 487 | 0.03 | 0.50 |
| 507 | 0.03 | 0.50 |
| 527 | 0.03 | 0.50 |
| 547 | 0.03 | 0.50 |
| 567 | 0.03 | 0.50 |
| 587 | 0.03 | 0.50 |
| 607 | 0.03 | 0.50 |
| 627 | 0.03 | 0.50 |
| 647 | 0.03 | 0.50 |
| 667 | 0.03 | 0.50 |

*** Developed, Med/High

| | | |
|---|---|---|
| 28 | 0.04 | 0.50 |
| 48 | 0.04 | 0.50 |
| 68 | 0.04 | 0.50 |
| 88 | 0.04 | 0.50 |
| 108 | 0.04 | 0.50 |
| 128 | 0.04 | 0.50 |
| 148 | 0.04 | 0.50 |
| 168 | 0.04 | 0.50 |

| | | |
|---|---|---|
| 188 | 0.04 | 0.50 |
| 208 | 0.04 | 0.50 |
| 228 | 0.04 | 0.50 |
| 248 | 0.04 | 0.50 |
| 268 | 0.04 | 0.50 |
| 288 | 0.04 | 0.50 |
| 308 | 0.04 | 0.50 |
| 328 | 0.04 | 0.50 |
| 348 | 0.04 | 0.50 |
| 368 | 0.04 | 0.50 |
| 388 | 0.04 | 0.50 |
| 408 | 0.04 | 0.50 |
| 428 | 0.04 | 0.50 |
| 448 | 0.04 | 0.50 |
| 468 | 0.04 | 0.50 |
| 488 | 0.04 | 0.50 |
| 508 | 0.04 | 0.50 |
| 528 | 0.04 | 0.50 |
| 548 | 0.04 | 0.50 |
| 568 | 0.04 | 0.50 |
| 588 | 0.04 | 0.50 |
| 608 | 0.04 | 0.50 |
| 628 | 0.04 | 0.50 |
| 648 | 0.04 | 0.50 |
| 668 | 0.04 | 0.50 |

*** Wetlands

| | | |
|---|---|---|
| 29 | 0.04 | 0.20 |
| 49 | 0.04 | 0.20 |
| 69 | 0.04 | 0.20 |
| 89 | 0.04 | 0.20 |
| 109 | 0.04 | 0.20 |
| 129 | 0.04 | 0.20 |
| 149 | 0.04 | 0.20 |
| 169 | 0.04 | 0.20 |
| 189 | 0.04 | 0.20 |
| 209 | 0.04 | 0.20 |
| 229 | 0.04 | 0.20 |
| 249 | 0.04 | 0.20 |
| 269 | 0.04 | 0.20 |
| 289 | 0.04 | 0.20 |
| 309 | 0.04 | 0.20 |
| 329 | 0.04 | 0.20 |
| 349 | 0.04 | 0.20 |
| 369 | 0.04 | 0.20 |
| 389 | 0.04 | 0.20 |
| 409 | 0.04 | 0.20 |
| 429 | 0.04 | 0.20 |
| 449 | 0.04 | 0.20 |
| 469 | 0.04 | 0.20 |
| 489 | 0.04 | 0.20 |
| 509 | 0.04 | 0.20 |
| 529 | 0.04 | 0.20 |
| 549 | 0.04 | 0.20 |
| 569 | 0.04 | 0.20 |
| 589 | 0.04 | 0.20 |
| 609 | 0.04 | 0.20 |

```
  629        0.04                          0.20
  649        0.04                          0.20
  669        0.04                          0.20
*** Cropland
   30        0.25                          1.50
   50        0.25                          1.50
   70        0.25                          1.50
   90        0.25                          1.50
  110        0.25                          1.50
  130        0.25                          1.50
  150        0.25                          1.50
  170        0.25                          1.50
  190        0.25                          1.50
  210        0.25                          1.50
  230        0.25                          1.50
  250        0.25                          1.50
  270        0.25                          1.50
  290        0.25                          1.50
  310        0.25                          1.50
  330        0.25                          1.50
  350        0.25                          1.50
  370        0.25                          1.50
  390        0.25                          1.50
  410        0.25                          1.50
  430        0.25                          1.50
  450        0.25                          1.50
  470        0.25                          1.50
  490        0.25                          1.50
  510        0.25                          1.50
  530        0.25                          1.50
  550        0.25                          1.50
  570        0.25                          1.50
  590        0.25                          1.50
  610        0.25                          1.50
  630        0.25                          1.50
  650        0.25                          1.50
  670        0.25                          1.50
  END QUAL-INPUT

  MON-ACCUM
*** <PLS >  Value at start of each month for accum rate of QUALOF (lb NO3-N/AC.DAY)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
*** Forest
   21     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
   41     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
   61     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
   81     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
  101     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
  121     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
  141     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
  161     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
  181     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
  201     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
  221     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
  241     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
  261     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
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 281     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 301     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 321     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 341     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 361     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 381     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 401     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 421     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 441     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 461     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 481     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 501     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 521     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 541     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 561     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 581     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 601     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 621     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 641     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
 661     .013 .015 .016 .018 .018 .018 .018 .018 .018 .016 .015 .013
*** Grass/Shrub/Barren
  25     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
  45     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
  65     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
  85     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 105     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 125     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 145     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 165     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 185     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 205     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 225     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 245     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 265     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 285     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 305     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 325     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 345     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 365     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 385     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 405     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 425     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 445     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 465     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 485     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 505     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 525     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 545     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 565     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 585     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 605     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 625     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 645     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
 665     .023 .023 .023 .030 .030 .030 .030 .030 .030 .023 .023 .023
*** Developed, Open
  26    .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
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46 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
66 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
86 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
106 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
126 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
146 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
166 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
186 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
206 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
226 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
246 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
266 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
286 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
306 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
326 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
346 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
366 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
386 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
406 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
426 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
446 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
466 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
486 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
506 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
526 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
546 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
566 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
586 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
606 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
626 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
646 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
666 .0056.0068.0104.0116.0116.0116.0116.0116.0116.0104.0068.0056
*** Developed, Low
27 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
47 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
67 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
87 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
107 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
127 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
147 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
167 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
187 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
207 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
227 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
247 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
267 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
287 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
307 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
327 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
347 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
367 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
387 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
407 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
427 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
447 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
467 .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070

```
 487    .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
 507    .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
 527    .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
 547    .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
 567    .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
 587    .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
 607    .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
 627    .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
 647    .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
 667    .0070.0085.0130.0145.0145.0145.0145.0145.0145.0130.0085.0070
*** Developed, Med/High
  28    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
  48    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
  68    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
  88    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 108    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 128    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 148    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 168    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 188    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 208    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 228    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 248    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 268    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 288    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 308    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 328    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 348    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 368    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 388    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 408    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 428    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 448    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 468    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 488    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 508    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 528    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 548    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 568    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 588    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 608    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 628    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 648    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
 668    .0084.0102.0156.0174.0174.0174.0174.0174.0174.0156.0102.0084
*** Wetlands
  29    .010 .012 .013 .014 .014 .014 .014 .014 .014 .013 .012 .010
  49    .010 .012 .013 .014 .014 .014 .014 .014 .014 .013 .012 .010
  69    .010 .012 .013 .014 .014 .014 .014 .014 .014 .013 .012 .010
  89    .010 .012 .013 .014 .014 .014 .014 .014 .014 .013 .012 .010
 109    .010 .012 .013 .014 .014 .014 .014 .014 .014 .013 .012 .010
 129    .010 .012 .013 .014 .014 .014 .014 .014 .014 .013 .012 .010
 149    .010 .012 .013 .014 .014 .014 .014 .014 .014 .013 .012 .010
 169    .010 .012 .013 .014 .014 .014 .014 .014 .014 .013 .012 .010
 189    .010 .012 .013 .014 .014 .014 .014 .014 .014 .013 .012 .010
 209    .010 .012 .013 .014 .014 .014 .014 .014 .014 .013 .012 .010
 229    .010 .012 .013 .014 .014 .014 .014 .014 .014 .013 .012 .010
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 249 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 269 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 289 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 309 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 329 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 349 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 369 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 389 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 409 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 429 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 449 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 469 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 489 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 509 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 529 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 549 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 569 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 589 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 609 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 629 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 649 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |
| 669 | .010 | .012 | .013 | .014 | .014 | .014 | .014 | .014 | .014 | .013 | .012 | .010 |

*** Cropland

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 50 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 70 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 90 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 110 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 130 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 150 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 170 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 190 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 210 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 230 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 250 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 270 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 290 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 310 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 330 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 350 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 370 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 390 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 410 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 430 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 450 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 470 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 490 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 510 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 530 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 550 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 570 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 590 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 610 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 630 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 650 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |
| 670 | .119 | .109 | .182 | .204 | .580 | .600 | .378 | .323 | .374 | .340 | .221 | .238 |

```
  END MON-ACCUM

  MON-SQOLIM
*** <PLS >  Value at start of month for limiting storage of QUALOF (lb NO3-N/AC)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
*** Forest
   21      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
   41      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
   61      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
   81      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  101      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  121      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  141      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  161      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  181      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  201      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  221      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  241      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  261      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  281      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  301      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  321      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  341      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  361      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  381      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  401      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  421      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  441      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  461      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  481      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  501      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  521      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  541      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  561      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  581      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  601      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  621      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  641      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
  661      .091 .105 .112 .126 .126 .126 .126 .126 .126 .112 .105 .091
*** Grass/Shrub/Barren
   25      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
   45      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
   65      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
   85      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
  105      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
  125      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
  145      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
  165      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
  185      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
  205      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
  225      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
  245      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
  265      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
  285      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
  305      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
  325      .161 .161 .161 .210 .210 .210 .210 .210 .210 .161 .161 .161
```

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 345 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 365 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 385 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 405 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 425 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 445 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 465 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 485 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 505 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 525 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 545 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 565 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 585 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 605 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 625 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 645 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |
| 665 | .161 | .161 | .161 | .210 | .210 | .210 | .210 | .210 | .210 | .161 | .161 | .161 |

*** Developed, Open

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 46 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 66 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 86 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 106 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 126 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 146 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 166 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 186 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 206 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 226 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 246 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 266 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 286 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 306 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 326 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 346 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 366 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 386 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 406 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 426 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 446 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 466 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 486 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 506 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 526 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 546 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 566 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 586 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 606 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 626 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 646 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |
| 666 | .028 | .035 | .053 | .058 | .058 | .058 | .058 | .058 | .058 | .053 | .035 | .028 |

*** Developed, Low

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 47 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 67 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 87 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 107 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 127 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 147 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 167 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 187 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 207 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 227 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 247 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 267 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 287 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 307 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 327 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 347 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 367 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 387 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 407 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 427 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 447 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 467 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 487 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 507 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 527 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 547 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 567 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 587 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 607 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 627 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 647 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |
| 667 | .036 | .044 | .066 | .072 | .072 | .072 | .072 | .072 | .072 | .066 | .044 | .036 |

*** Developed, Med/High

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 48 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 68 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 88 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 108 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 128 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 148 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 168 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 188 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 208 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 228 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 248 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 268 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 288 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 308 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 328 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 348 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 368 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 388 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 408 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 428 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 448 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 468 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 488 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 508 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 528 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 548 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 568 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 588 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 608 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 628 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 648 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |
| 668 | .043 | .052 | .079 | .086 | .086 | .086 | .086 | .086 | .086 | .079 | .052 | .043 |

*** Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 49 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 69 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 89 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 109 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 129 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 149 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 169 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 189 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 209 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 229 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 249 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 269 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 289 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 309 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 329 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 349 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 369 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 389 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 409 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 429 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 449 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 469 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 489 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 509 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 529 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 549 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 569 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 589 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 609 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 629 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 649 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |
| 669 | .070 | .084 | .091 | .098 | .098 | .098 | .098 | .098 | .098 | .091 | .084 | .070 |

*** Cropland

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 50 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 70 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 90 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 110 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 130 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 150 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 170 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 190 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 210 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 230 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 250 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 270 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |
| 290 | .357 | .326 | .544 | .612 | 1.73 | 1.80 | 1.14 | .968 | 1.12 | 1.02 | .664 | .712 |

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 310     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 330     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 350     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 370     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 390     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 410     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 430     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 450     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 470     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 490     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 510     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 530     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 550     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 570     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 590     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 610     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 630     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 650     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 670     .357 .326 .544 .612 1.73 1.80 1.14 .968 1.12 1.02 .664 .712
 END MON-SQOLIM

 MON-IFLW-CONC
*** <PLS >  Conc of QUAL in interflow outflow for each month of NO3-N (mg/l)
*** x -  x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
*** Forest
  21     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
  41     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
  61     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
  81     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 101     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 121     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 141     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 161     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 181     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 201     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 221     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 241     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 261     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 281     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 301     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 321     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 341     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 361     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 381     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 401     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 421     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 441     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 461     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 481     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 501     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 521     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 541     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 561     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 581     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 601     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
 621     3.00 3.00 3.00 0.50 0.50 0.50 0.50 0.50 0.50 3.00 3.00 3.00
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 641 | 3.00 | 3.00 | 3.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 3.00 | 3.00 | 3.00 |
| 661 | 3.00 | 3.00 | 3.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 3.00 | 3.00 | 3.00 |

*** Grass/Shrub/Barren

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 45 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 65 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 85 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 105 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 125 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 145 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 165 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 185 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 205 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 225 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 245 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 265 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 285 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 305 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 325 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 345 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 365 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 385 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 405 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 425 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 445 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 465 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 485 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 505 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 525 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 545 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 565 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 585 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 605 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 625 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 645 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 665 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |

*** Developed, Open

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 46 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 66 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 86 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 106 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 126 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 146 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 166 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 186 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 206 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 226 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 246 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 266 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 286 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 306 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 326 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 346 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 366 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 386 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 406 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 426 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 446 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 466 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 486 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 506 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 526 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 546 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 566 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 586 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 606 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 626 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 646 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 666 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |

*** Developed, Low

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 47 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 67 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 87 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 107 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 127 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 147 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 167 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 187 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 207 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 227 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 247 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 267 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 287 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 307 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 327 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 347 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 367 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 387 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 407 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 427 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 447 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 467 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 487 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 507 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 527 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 547 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 567 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 587 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 607 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 627 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 647 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 667 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |

*** Developed, Med/High

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 48 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 68 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 88 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 108 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 128 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 148 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 168 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 188 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 208 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 228 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 248 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 268 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 288 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 308 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 328 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 348 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 368 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 388 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 408 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 428 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 448 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 468 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 488 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 508 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 528 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 548 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 568 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 588 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 608 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 628 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 648 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |
| 668 | 6.0 | 6.0 | 6.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 6.0 | 6.0 | 6.0 |

*** Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 49 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 69 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 89 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 109 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 129 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 149 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 169 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 189 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 209 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 229 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 249 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 269 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 289 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 309 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 329 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 349 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 369 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 389 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 409 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 429 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 449 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 469 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 489 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 509 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 529 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 549 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 569 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 589 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |

```
 609      2.3  2.3  2.3  0.5  0.5  0.5  0.5  0.5  0.5  2.3  2.3  2.3
 629      2.3  2.3  2.3  0.5  0.5  0.5  0.5  0.5  0.5  2.3  2.3  2.3
 649      2.3  2.3  2.3  0.5  0.5  0.5  0.5  0.5  0.5  2.3  2.3  2.3
 669      2.3  2.3  2.3  0.5  0.5  0.5  0.5  0.5  0.5  2.3  2.3  2.3
*** Cropland
  30      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
  50      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
  70      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
  90      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 110      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 130      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 150      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 170      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 190      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 210      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 230      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 250      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 270      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 290      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 310      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 330      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 350      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 370      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 390      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 410      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 430      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 450      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 470      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 490      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 510      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 530      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 550      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 570      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 590      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 610      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 630      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 650      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 670      7.0  7.0  7.0  8.0  8.0  8.0  6.0  6.0  6.0  7.0  7.0  7.0
 END MON-IFLW-CONC

 MON-GRND-CONC
*** <PLS >  Value at start of month for conc of NO3-N in groundwater (mg/l)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
*** Forest
  21      3.0  3.0  3.0  0.5  0.5  0.5  0.5  0.5  0.5  3.0  3.0  3.0
  41      3.0  3.0  3.0  0.5  0.5  0.5  0.5  0.5  0.5  3.0  3.0  3.0
  61      3.0  3.0  3.0  0.5  0.5  0.5  0.5  0.5  0.5  3.0  3.0  3.0
  81      3.0  3.0  3.0  0.5  0.5  0.5  0.5  0.5  0.5  3.0  3.0  3.0
 101      3.0  3.0  3.0  0.5  0.5  0.5  0.5  0.5  0.5  3.0  3.0  3.0
 121      3.0  3.0  3.0  0.5  0.5  0.5  0.5  0.5  0.5  3.0  3.0  3.0
 141      3.0  3.0  3.0  0.5  0.5  0.5  0.5  0.5  0.5  3.0  3.0  3.0
 161      3.0  3.0  3.0  0.5  0.5  0.5  0.5  0.5  0.5  3.0  3.0  3.0
 181      3.0  3.0  3.0  0.5  0.5  0.5  0.5  0.5  0.5  3.0  3.0  3.0
 201      3.0  3.0  3.0  0.5  0.5  0.5  0.5  0.5  0.5  3.0  3.0  3.0
 221      3.0  3.0  3.0  0.5  0.5  0.5  0.5  0.5  0.5  3.0  3.0  3.0
 241      3.0  3.0  3.0  0.5  0.5  0.5  0.5  0.5  0.5  3.0  3.0  3.0
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 261 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 281 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 301 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 321 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 341 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 361 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 381 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 401 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 421 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 441 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 461 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 481 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 501 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 521 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 541 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 561 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 581 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 601 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 621 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 641 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |
| 661 | 3.0 | 3.0 | 3.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 3.0 | 3.0 | 3.0 |

*** Grass/Shrub/Barren

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 45 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 65 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 85 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 105 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 125 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 145 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 165 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 185 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 205 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 225 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 245 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 265 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 285 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 305 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 325 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 345 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 365 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 385 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 405 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 425 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 445 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 465 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 485 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 505 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 525 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 545 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 565 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 585 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 605 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 625 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 645 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |
| 665 | 3.5 | 3.5 | 3.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 3.5 | 3.5 | 3.5 |

*** Developed, Open

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 46 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 66 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 86 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 106 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 126 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 146 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 166 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 186 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 206 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 226 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 246 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 266 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 286 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 306 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 326 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 346 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 366 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 386 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 406 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 426 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 446 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 466 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 486 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 506 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 526 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 546 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 566 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 586 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 606 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 626 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 646 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |
| 666 | 4.5 | 4.5 | 4.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 | 4.5 | 4.5 |

*** Developed, Low

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 47 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 67 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 87 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 107 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 127 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 147 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 167 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 187 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 207 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 227 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 247 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 267 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 287 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 307 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 327 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 347 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 367 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 387 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 407 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 427 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 447 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 467 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 487 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 507 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 527 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 547 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 567 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 587 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 607 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 627 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 647 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| 667 | 5.0 | 5.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| *** Developed, Med/High | | | | | | | | | | | | |
| 28 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 48 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 68 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 88 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 108 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 128 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 148 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 168 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 188 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 208 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 228 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 248 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 268 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 288 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 308 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 328 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 348 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 368 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 388 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 408 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 428 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 448 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 468 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 488 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 508 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 528 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 548 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 568 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 588 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 608 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 628 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 648 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| 668 | 5.5 | 5.5 | 5.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5.5 | 5.5 | 5.5 |
| *** Wetlands | | | | | | | | | | | | |
| 29 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 49 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 69 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 89 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 109 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 129 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 149 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 169 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 189 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 209 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 229 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 249 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 269 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 289 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 309 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 329 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 349 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 369 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 389 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 409 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 429 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 449 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 469 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 489 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 509 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 529 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 549 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 569 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 589 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 609 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 629 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 649 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 669 | 2.3 | 2.3 | 2.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |

*** Cropland

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 50 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 70 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 90 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 110 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 130 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 150 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 170 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 190 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 210 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 230 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 250 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 270 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 290 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 310 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 330 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 350 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 370 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 390 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 410 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 430 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 450 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 470 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 490 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 510 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 530 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 550 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 570 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 590 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 610 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 630 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |
| 650 | 6.5 | 6.5 | 6.5 | 6.0 | 6.0 | 6.0 | 4.0 | 4.0 | 4.0 | 6.5 | 6.5 | 6.5 |

```
  670       6.5  6.5  6.5  6.0  6.0  6.0  4.0  4.0  4.0  6.5  6.5  6.5
  END MON-GRND-CONC

  QUAL-PROPS
*** <PLS >  Identifiers and Flags
*** x -  x    QUALID      QTID  QSD VPFW VPFS  QSO  VQO QIFW VIQC QAGW VAQC
   21  670ORTHO P         LBS    1    1    0    0    0    1    3    1    3
  END QUAL-PROPS

  QUAL-INPUT
***         Storage on surface and nonseasonal parameters
***           SQO   POTFW   POTFS   ACQOP  SQOLIM   WSQOP    IOQC    AOQC
*** <PLS >  qty/ac qty/ton qty/ton     qty/  qty/ac   in/hr qty/ft3 qty/ft3
*** x -  x                            ac.day
  END QUAL-INPUT

  MON-POTFW
*** <PLS >  Value at start of each month for washoff potency factor (lb PO4/ton)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
*** Forest
   21      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
   41      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
   61      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
   81      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  101      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  121      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  141      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  161      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  181      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  201      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  221      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  241      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  261      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  281      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  301      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  321      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  341      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  361      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  381      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  401      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  421      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  441      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  461      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  481      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  501      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  521      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  541      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  561      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  581      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  601      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  621      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  641      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  661      .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
*** Grass/Shrub/Barren
   25      .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
   45      .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 85 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 105 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 125 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 145 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 165 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 185 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 205 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 225 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 245 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 265 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 285 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 305 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 325 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 345 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 365 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 385 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 405 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 425 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 445 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 465 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 485 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 505 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 525 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 545 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 565 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 585 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 605 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 625 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 645 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 665 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |

*** Developed, Open

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 46 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 66 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 86 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 106 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 126 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 146 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 166 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 186 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 206 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 226 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 246 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 266 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 286 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 306 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 326 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 346 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 366 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 386 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 406 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 426 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 446 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 466 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 486 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 506 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 526 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 546 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 566 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 586 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 606 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 626 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 646 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 666 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |

*** Developed, Low

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 47 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 67 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 87 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 107 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 127 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 147 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 167 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 187 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 207 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 227 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 247 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 267 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 287 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 307 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 327 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 347 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 367 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 387 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 407 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 427 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 447 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 467 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 487 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 507 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 527 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 547 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 567 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 587 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 607 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 627 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 647 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 667 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |

*** Developed, Med/High

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 48 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 68 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 88 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 108 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 128 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 148 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 168 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 188 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 208 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 228 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |
| 248 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 | .837 |

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 268     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 288     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 308     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 328     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 348     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 368     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 388     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 408     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 428     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 448     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 468     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 488     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 508     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 528     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 548     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 568     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 588     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 608     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 628     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 648     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
 668     .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837 .837
*** Wetlands
  29     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  49     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  69     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
  89     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 109     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 129     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 149     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 169     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 189     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 209     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 229     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 249     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 269     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 289     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 309     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 329     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 349     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 369     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 389     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 409     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 429     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 449     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 469     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 489     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 509     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 529     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 549     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 569     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 589     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 609     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 629     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 649     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
 669     .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180 .180
*** Cropland
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  30     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
  50     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
  70     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
  90     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 110     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 130     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 150     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 170     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 190     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 210     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 230     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 250     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 270     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 290     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 310     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 330     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 350     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 370     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 390     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 410     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 430     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 450     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .4194
 470     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .4194
 490     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .4194
 510     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .4194
 530     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .4194
 550     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 570     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 590     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 610     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 630     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 650     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
 670     .419 .524 .745 .700 .872 .786 .880 .832 .760 .524 .576 .419
END MON-POTFW

MON-IFLW-CONC
*** <PLS >  Conc of PO4-P in interflow outflow for each month (mg/l)
*** x -  x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
*** Forest
  21     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
  41     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
  61     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
  81     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 101     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 121     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 141     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 161     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 181     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 201     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 221     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 241     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 261     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 281     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 301     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 321     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 341     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
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 361     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 381     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 401     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 421     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 441     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 461     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 481     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 501     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 521     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 541     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 561     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 581     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 601     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 621     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 641     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
 661     .007 .007 .007 .018 .018 .018 .018 .018 .018 .007 .007 .007
*** Grass/Shrub/Barren
  25     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
  45     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
  65     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
  85     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 105     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 125     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 145     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 165     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 185     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 205     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 225     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 245     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 265     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 285     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 305     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 325     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 345     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 365     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 385     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 405     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 425     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 445     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 465     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 485     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 505     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 525     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 545     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 565     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 585     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 605     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 625     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 645     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
 665     .018 .018 .018 .025 .025 .025 .025 .025 .025 .018 .018 .018
*** Developed, Open
  26     .027 .027 .027 .050 .050 .050 .050 .050 .050 .027 .027 .027
  46     .027 .027 .027 .050 .050 .050 .050 .050 .050 .027 .027 .027
  66     .027 .027 .027 .050 .050 .050 .050 .050 .050 .027 .027 .027
  86     .027 .027 .027 .050 .050 .050 .050 .050 .050 .027 .027 .027
 106     .027 .027 .027 .050 .050 .050 .050 .050 .050 .027 .027 .027
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 126 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 146 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 166 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 186 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 206 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 226 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 246 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 266 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 286 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 306 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 326 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 346 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 366 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 386 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 406 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 426 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 446 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 466 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 486 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 506 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 526 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 546 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 566 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 586 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 606 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 626 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 646 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |
| 666 | .027 | .027 | .027 | .050 | .050 | .050 | .050 | .050 | .050 | .027 | .027 | .027 |

*** Developed, Low

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 47 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 67 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 87 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 107 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 127 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 147 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 167 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 187 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 207 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 227 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 247 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 267 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 287 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 307 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 327 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 347 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 367 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 387 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 407 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 427 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 447 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 467 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 487 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 507 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 527 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 547 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 567 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 587 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 607 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 627 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 647 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |
| 667 | .032 | .032 | .032 | .055 | .055 | .055 | .055 | .055 | .055 | .032 | .032 | 0.32 |

*** Developed, Med/High

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 48 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 68 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 88 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 108 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 128 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 148 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 168 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 188 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 208 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 228 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 248 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 268 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 288 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 308 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 328 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 348 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 368 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 388 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 408 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 428 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 448 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 468 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 488 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 508 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 528 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 548 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 568 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 588 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 608 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 628 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 648 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |
| 668 | .037 | .037 | .037 | .060 | .060 | .060 | .060 | .060 | .060 | .037 | .037 | .037 |

*** Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 49 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 69 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 89 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 109 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 129 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 149 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 169 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 189 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 209 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 229 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 249 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 269 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 289 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 309 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |

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 329     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 349     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 369     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 389     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 409     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 429     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 449     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 469     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 489     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 509     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 529     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 549     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 569     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 589     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 609     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 629     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 649     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
 669     .005 .005 .005 .007 .007 .007 .007 .007 .007 .005 .005 .005
*** Cropland
  30     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
  50     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
  70     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
  90     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 110     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 130     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 150     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 170     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 190     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 210     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 230     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 250     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 270     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 290     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 310     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 330     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 350     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 370     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 390     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 410     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 430     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 450     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 470     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 490     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 510     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 530     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 550     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 570     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 590     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 610     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 630     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 650     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 670     .035 .035 .035 .077 .077 .077 .077 .077 .077 .035 .035 .035
 END MON-IFLW-CONC

 MON-GRND-CONC
*** <PLS >  Value at start of month for conc of PO4-P in groundwater (mg/l)
```

*** x - x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
*** Forest

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 41 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 61 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 81 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 101 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 121 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 141 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 161 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 181 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 201 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 221 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 241 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 261 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 281 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 301 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 321 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 341 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 361 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 381 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 401 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 421 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 441 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 461 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 481 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 501 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 521 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 541 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 561 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 581 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 601 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 621 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 641 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |
| 661 | .006 | .006 | .006 | .015 | .015 | .015 | .015 | .015 | .015 | .006 | .006 | .006 |

*** Grass/Shrub/Barren

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 45 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 65 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 85 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 105 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 125 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 145 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 165 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 185 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 205 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 225 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 245 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 265 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 285 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 305 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 325 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 345 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 365 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 385 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 405 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 425 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 445 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 465 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 485 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 505 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 525 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 545 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 565 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 585 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 605 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 625 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 645 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |
| 665 | .015 | .015 | .015 | .022 | .022 | .022 | .022 | .022 | .022 | .015 | .015 | .015 |

*** Developed, Open

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 46 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 66 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 86 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 106 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 126 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 146 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 166 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 186 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 206 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 226 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 246 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 266 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 286 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 306 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 326 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 346 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 366 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 386 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 406 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 426 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 446 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 466 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 486 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 506 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 526 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 546 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 566 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 586 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 606 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 626 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 646 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |
| 666 | .024 | .024 | .024 | .045 | .045 | .045 | .045 | .045 | .045 | .024 | .024 | .024 |

*** Developed, Low

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 47 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 67 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 87 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 107 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 127 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 147 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 167 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 187 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 207 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 227 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 247 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 267 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 287 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 307 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 327 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 347 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 367 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 387 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 407 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 427 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 447 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 467 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 487 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 507 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 527 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 547 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 567 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 587 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 607 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 627 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 647 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |
| 667 | .030 | .030 | .030 | .050 | .050 | .050 | .050 | .050 | .050 | .030 | .030 | .030 |

*** Developed, Med/High

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 48 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 68 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 88 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 108 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 128 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 148 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 168 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 188 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 208 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 228 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 248 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 268 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 288 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 308 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 328 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 348 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 368 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 388 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 408 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 428 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 448 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 468 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 488 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 508 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 528 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 548 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 568 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 588 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 608 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 628 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 648 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |
| 668 | .035 | .035 | .035 | .060 | .060 | .060 | .060 | .060 | .060 | .035 | .035 | .035 |

*** Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 49 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 69 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 89 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 109 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 129 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 149 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 169 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 189 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 209 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 229 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 249 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 269 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 289 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 309 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 329 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 349 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 369 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 389 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 409 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 429 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 449 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 469 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 489 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 509 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 529 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 549 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 569 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 589 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 609 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 629 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 649 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |
| 669 | .005 | .005 | .005 | .007 | .007 | .007 | .007 | .007 | .007 | .005 | .005 | .005 |

*** Cropland

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 50 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 70 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 90 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 110 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 130 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 150 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 170 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 190 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 210 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 230 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 250 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 270 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 290 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 310 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 330 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 350 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |
| 370 | .030 | .030 | .030 | .075 | .075 | .075 | .075 | .075 | .075 | .030 | .030 | .030 |

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 390      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 410      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 430      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 450      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 470      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 490      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 510      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 530      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 550      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 570      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 590      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 610      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 630      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 650      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 670      .030 .030 .030 .075 .075 .075 .075 .075 .075 .030 .030 .030
 END MON-GRND-CONC

 QUAL-PROPS
*** <PLS >  Identifiers and Flags
*** x -  x    QUALID      QTID  QSD VPFW VPFS  QSO  VQO QIFW VIQC QAGW VAQC
  21  670BOD             LBS    1    0    0    0    0    1    3    1    3
 END QUAL-PROPS

 QUAL-INPUT
***         Storage on surface and nonseasonal parameters
***           SQO   POTFW   POTFS   ACQOP  SQOLIM   WSQOP    IOQC    AOQC
*** <PLS >  qty/ac qty/ton qty/ton    qty/  qty/ac   in/hr qty/ft3 qty/ft3
*** x -  x                          ac.day
*** Forest
  21        1.00     5.0                        1.70
  41        1.00     5.0                        1.70
  61        1.00     5.0                        1.70
  81        1.00     5.0                        1.70
 101        1.00     5.0                        1.70
 121        1.00    10.0                        1.70
 141        1.00     5.0                        1.70
 161        1.00     5.0                        1.70
 181        1.00     5.0                        1.70
 201        1.00     5.0                        1.70
 221        1.00     5.0                        1.70
 241        1.00     5.0                        1.70
 261        1.00     5.0                        1.70
 281        1.00     5.0                        1.70
 301        1.00     5.0                        1.70
 321        1.00     5.0                        1.70
 341        1.00     5.0                        1.70
 361        1.00     5.0                        1.70
 381        1.00     5.0                        1.70
 401        1.00     5.0                        1.70
 421        1.00     5.0                        1.70
 441        1.00     5.0                        1.70
 461        1.00     5.0                        1.70
 481        1.00     5.0                        1.70
 501        1.00     5.0                        1.70
 521        1.00     5.0                        1.70
 541        1.00     5.0                        1.70
```

| | | | |
|---|---|---|---|
| 561 | 1.00 | 5.0 | 1.70 |
| 581 | 1.00 | 5.0 | 1.70 |
| 601 | 1.00 | 5.0 | 1.70 |
| 621 | 1.00 | 5.0 | 1.70 |
| 641 | 1.00 | 5.0 | 1.70 |
| 661 | 1.00 | 5.0 | 1.70 |
| *** Grass/Shrub/Barren | | | |
| 25 | 1.75 | 10.0 | 1.60 |
| 45 | 1.75 | 10.0 | 1.60 |
| 65 | 1.75 | 10.0 | 1.60 |
| 85 | 1.75 | 10.0 | 1.60 |
| 105 | 1.75 | 10.0 | 1.60 |
| 125 | 1.75 | 20.0 | 1.60 |
| 145 | 1.75 | 10.0 | 1.60 |
| 165 | 1.75 | 10.0 | 1.60 |
| 185 | 1.75 | 10.0 | 1.60 |
| 205 | 1.75 | 10.0 | 1.60 |
| 225 | 1.75 | 10.0 | 1.60 |
| 245 | 1.75 | 10.0 | 1.60 |
| 265 | 1.75 | 10.0 | 1.60 |
| 285 | 1.75 | 10.0 | 1.60 |
| 305 | 1.75 | 10.0 | 1.60 |
| 325 | 1.75 | 10.0 | 1.60 |
| 345 | 1.75 | 10.0 | 1.60 |
| 365 | 1.75 | 10.0 | 1.60 |
| 385 | 1.75 | 10.0 | 1.60 |
| 405 | 1.75 | 10.0 | 1.60 |
| 425 | 1.75 | 10.0 | 1.60 |
| 445 | 1.75 | 10.0 | 1.60 |
| 465 | 1.75 | 10.0 | 1.60 |
| 485 | 1.75 | 10.0 | 1.60 |
| 505 | 1.75 | 10.0 | 1.60 |
| 525 | 1.75 | 10.0 | 1.60 |
| 545 | 1.75 | 10.0 | 1.60 |
| 565 | 1.75 | 10.0 | 1.60 |
| 585 | 1.75 | 10.0 | 1.60 |
| 605 | 1.75 | 10.0 | 1.60 |
| 625 | 1.75 | 10.0 | 1.60 |
| 645 | 1.75 | 10.0 | 1.60 |
| 665 | 1.75 | 10.0 | 1.60 |
| *** Developed, Open | | | |
| 26 | 3.00 | 12.0 | 0.50 |
| 46 | 3.00 | 12.0 | 0.50 |
| 66 | 3.00 | 12.0 | 0.50 |
| 86 | 3.00 | 12.0 | 0.50 |
| 106 | 3.00 | 12.0 | 0.50 |
| 126 | 3.00 | 25.0 | 0.50 |
| 146 | 3.00 | 12.0 | 0.50 |
| 166 | 3.00 | 12.0 | 0.50 |
| 186 | 3.00 | 12.0 | 0.50 |
| 206 | 3.00 | 12.0 | 0.50 |
| 226 | 3.00 | 12.0 | 0.50 |
| 246 | 3.00 | 12.0 | 0.50 |
| 266 | 3.00 | 12.0 | 0.50 |
| 286 | 3.00 | 12.0 | 0.50 |
| 306 | 3.00 | 12.0 | 0.50 |

| | | | |
|---|---|---|---|
| 326 | 3.00 | 12.0 | 0.50 |
| 346 | 3.00 | 12.0 | 0.50 |
| 366 | 3.00 | 12.0 | 0.50 |
| 386 | 3.00 | 12.0 | 0.50 |
| 406 | 3.00 | 12.0 | 0.50 |
| 426 | 3.00 | 12.0 | 0.50 |
| 446 | 3.00 | 12.0 | 0.50 |
| 466 | 3.00 | 12.0 | 0.50 |
| 486 | 3.00 | 12.0 | 0.50 |
| 506 | 3.00 | 12.0 | 0.50 |
| 526 | 3.00 | 12.0 | 0.50 |
| 546 | 3.00 | 12.0 | 0.50 |
| 566 | 3.00 | 12.0 | 0.50 |
| 586 | 3.00 | 12.0 | 0.50 |
| 606 | 3.00 | 12.0 | 0.50 |
| 626 | 3.00 | 12.0 | 0.50 |
| 646 | 3.00 | 12.0 | 0.50 |
| 666 | 3.00 | 12.0 | 0.50 |

*** Developed, Low

| | | | |
|---|---|---|---|
| 27 | 3.00 | 20.0 | 0.50 |
| 47 | 3.00 | 20.0 | 0.50 |
| 67 | 3.00 | 20.0 | 0.50 |
| 87 | 3.00 | 20.0 | 0.50 |
| 107 | 3.00 | 20.0 | 0.50 |
| 127 | 3.00 | 40.0 | 0.50 |
| 147 | 3.00 | 20.0 | 0.50 |
| 167 | 3.00 | 20.0 | 0.50 |
| 187 | 3.00 | 20.0 | 0.50 |
| 207 | 3.00 | 20.0 | 0.50 |
| 227 | 3.00 | 20.0 | 0.50 |
| 247 | 3.00 | 20.0 | 0.50 |
| 267 | 3.00 | 20.0 | 0.50 |
| 287 | 3.00 | 20.0 | 0.50 |
| 307 | 3.00 | 20.0 | 0.50 |
| 327 | 3.00 | 20.0 | 0.50 |
| 347 | 3.00 | 20.0 | 0.50 |
| 367 | 3.00 | 20.0 | 0.50 |
| 387 | 3.00 | 20.0 | 0.50 |
| 407 | 3.00 | 20.0 | 0.50 |
| 427 | 3.00 | 20.0 | 0.50 |
| 447 | 3.00 | 20.0 | 0.50 |
| 467 | 3.00 | 20.0 | 0.50 |
| 487 | 3.00 | 20.0 | 0.50 |
| 507 | 3.00 | 20.0 | 0.50 |
| 527 | 3.00 | 20.0 | 0.50 |
| 547 | 3.00 | 20.0 | 0.50 |
| 567 | 3.00 | 20.0 | 0.50 |
| 587 | 3.00 | 20.0 | 0.50 |
| 607 | 3.00 | 20.0 | 0.50 |
| 627 | 3.00 | 20.0 | 0.50 |
| 647 | 3.00 | 20.0 | 0.50 |
| 667 | 3.00 | 20.0 | 0.50 |

*** Developed, Med/High

| | | | |
|---|---|---|---|
| 28 | 3.00 | 25.0 | 0.50 |
| 48 | 3.00 | 25.0 | 0.50 |
| 68 | 3.00 | 25.0 | 0.50 |

| | | | |
|---|---|---|---|
| 88 | 3.00 | 25.0 | 0.50 |
| 108 | 3.00 | 25.0 | 0.50 |
| 128 | 3.00 | 50.0 | 0.50 |
| 148 | 3.00 | 25.0 | 0.50 |
| 168 | 3.00 | 25.0 | 0.50 |
| 188 | 3.00 | 25.0 | 0.50 |
| 208 | 3.00 | 25.0 | 0.50 |
| 228 | 3.00 | 25.0 | 0.50 |
| 248 | 3.00 | 25.0 | 0.50 |
| 268 | 3.00 | 25.0 | 0.50 |
| 288 | 3.00 | 25.0 | 0.50 |
| 308 | 3.00 | 25.0 | 0.50 |
| 328 | 3.00 | 25.0 | 0.50 |
| 348 | 3.00 | 25.0 | 0.50 |
| 368 | 3.00 | 25.0 | 0.50 |
| 388 | 3.00 | 25.0 | 0.50 |
| 408 | 3.00 | 25.0 | 0.50 |
| 428 | 3.00 | 25.0 | 0.50 |
| 448 | 3.00 | 25.0 | 0.50 |
| 468 | 3.00 | 25.0 | 0.50 |
| 488 | 3.00 | 25.0 | 0.50 |
| 508 | 3.00 | 25.0 | 0.50 |
| 528 | 3.00 | 25.0 | 0.50 |
| 548 | 3.00 | 25.0 | 0.50 |
| 568 | 3.00 | 25.0 | 0.50 |
| 588 | 3.00 | 25.0 | 0.50 |
| 608 | 3.00 | 25.0 | 0.50 |
| 628 | 3.00 | 25.0 | 0.50 |
| 648 | 3.00 | 25.0 | 0.50 |
| 668 | 3.00 | 25.0 | 0.50 |

*** Wetlands

| | | | |
|---|---|---|---|
| 29 | 1.00 | 3.0 | 0.20 |
| 49 | 1.00 | 3.0 | 0.20 |
| 69 | 1.00 | 3.0 | 0.20 |
| 89 | 1.00 | 3.0 | 0.20 |
| 109 | 1.00 | 3.0 | 0.20 |
| 129 | 1.00 | 3.0 | 0.20 |
| 149 | 1.00 | 3.0 | 0.20 |
| 169 | 1.00 | 3.0 | 0.20 |
| 189 | 1.00 | 3.0 | 0.20 |
| 209 | 1.00 | 3.0 | 0.20 |
| 229 | 1.00 | 3.0 | 0.20 |
| 249 | 1.00 | 3.0 | 0.20 |
| 269 | 1.00 | 3.0 | 0.20 |
| 289 | 1.00 | 3.0 | 0.20 |
| 309 | 1.00 | 3.0 | 0.20 |
| 329 | 1.00 | 3.0 | 0.20 |
| 349 | 1.00 | 3.0 | 0.20 |
| 369 | 1.00 | 3.0 | 0.20 |
| 389 | 1.00 | 3.0 | 0.20 |
| 409 | 1.00 | 3.0 | 0.20 |
| 429 | 1.00 | 3.0 | 0.20 |
| 449 | 1.00 | 3.0 | 0.20 |
| 469 | 1.00 | 3.0 | 0.20 |
| 489 | 1.00 | 3.0 | 0.20 |
| 509 | 1.00 | 3.0 | 0.20 |

```
  529        1.00    3.0                    0.20
  549        1.00    3.0                    0.20
  569        1.00    3.0                    0.20
  589        1.00    3.0                    0.20
  609        1.00    3.0                    0.20
  629        1.00    3.0                    0.20
  649        1.00    3.0                    0.20
  669        1.00    3.0                    0.20
*** Cropland
   30        5.00   30.0                    1.50
   50        5.00   30.0                    1.50
   70        5.00   30.0                    1.50
   90        5.00   30.0                    1.50
  110        5.00   30.0                    1.50
  130        5.00   30.0                    1.50
  150        5.00   30.0                    1.50
  170        5.00   30.0                    1.50
  190        5.00   30.0                    1.50
  210        5.00   30.0                    1.50
  230        5.00   30.0                    1.50
  250        5.00   30.0                    1.50
  270        5.00   30.0                    1.50
  290        5.00   30.0                    1.50
  310        5.00   30.0                    1.50
  330        5.00   30.0                    1.50
  350        5.00   30.0                    1.50
  370        5.00   30.0                    1.50
  390        5.00   30.0                    1.50
  410        5.00   30.0                    1.50
  430        5.00   30.0                    1.50
  450        5.00   30.0                    1.50
  470        5.00   30.0                    1.50
  490        5.00   30.0                    1.50
  510        5.00   30.0                    1.50
  530        5.00   30.0                    1.50
  550        5.00   30.0                    1.50
  570        5.00   30.0                    1.50
  590        5.00   30.0                    1.50
  610        5.00   30.0                    1.50
  630        5.00   30.0                    1.50
  650        5.00   30.0                    1.50
  670        5.00   30.0                    1.50
  END QUAL-INPUT

  MON-IFLW-CONC
*** <PLS >  Conc of BOD in interflow outflow for each month (mg/l)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
*** Forest
   21      4.0  4.0  4.0  5.0  5.0  5.0  5.0  5.0  5.0  7.0  5.0  4.0
   41      4.0  4.0  4.0  5.0  5.0  5.0  5.0  5.0  5.0  7.0  5.0  4.0
   61      4.0  4.0  4.0  5.0  5.0  5.0  5.0  5.0  5.0  7.0  5.0  4.0
   81      4.0  4.0  4.0  5.0  5.0  5.0  5.0  5.0  5.0  7.0  5.0  4.0
  101      4.0  4.0  4.0  5.0  5.0  5.0  5.0  5.0  5.0  7.0  5.0  4.0
  121      4.0  4.0  4.0  5.0  5.0  5.0  5.0  5.0  5.0  7.0  5.0  4.0
  141      4.0  4.0  4.0  5.0  5.0  5.0  5.0  5.0  5.0  7.0  5.0  4.0
  161      4.0  4.0  4.0  5.0  5.0  5.0  5.0  5.0  5.0  7.0  5.0  4.0
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 181 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 201 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 221 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 241 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 261 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 281 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 301 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 321 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 341 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 361 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 381 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 401 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 421 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 441 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 461 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 481 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 501 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 521 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 541 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 561 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 581 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 601 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 621 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 641 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |
| 661 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 7.0 | 5.0 | 4.0 |

*** Grass/Shrub/Barren

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 45 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 65 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 85 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 105 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 125 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 145 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 165 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 185 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 205 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 225 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 245 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 265 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 285 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 305 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 325 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 345 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 365 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 385 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 405 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 425 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 445 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 465 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 485 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 505 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 525 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 545 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 565 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 585 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 605 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 625 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 645 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |
| 665 | 4.50 | 4.50 | 4.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 4.50 | 4.50 | 4.50 |

*** Developed, Open

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 46 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 66 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 86 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 106 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 126 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 146 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 166 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 186 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 206 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 226 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 246 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 266 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 286 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 306 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 326 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 346 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 366 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 386 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 406 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 426 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 446 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 466 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 486 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 506 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 526 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 546 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 566 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 586 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 606 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 626 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 646 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 666 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |

*** Developed, Low

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 47 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 67 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 87 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 107 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 127 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 147 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 167 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 187 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 207 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 227 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 247 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 267 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 287 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 307 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 327 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 347 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 367 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 387 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 407 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 427 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 447 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 467 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 487 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 507 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 527 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 547 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 567 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 587 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 607 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 627 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 647 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 667 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |

*** Developed, Med/High

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 48 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 68 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 88 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 108 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 128 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 148 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 168 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 188 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 208 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 228 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 248 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 268 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 288 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 308 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 328 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 348 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 368 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 388 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 408 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 428 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 448 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 468 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 488 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 508 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 528 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 548 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 568 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 588 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 608 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 628 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 648 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 668 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |

*** Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 49 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 69 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 89 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 109 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 129 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 149 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 169 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 189 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 209 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 229 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 249 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 269 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 289 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 309 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 329 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 349 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 369 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 389 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 409 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 429 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 449 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 469 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 489 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 509 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 529 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 549 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 569 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 589 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 609 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 629 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 649 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 669 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |

*** Cropland

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 50 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 70 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 90 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 110 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 130 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 150 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 170 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 190 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 210 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 230 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 250 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 270 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 290 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 310 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 330 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 350 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 370 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 390 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 410 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 430 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 450 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 470 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 490 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 510 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 530 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 550 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |
| 570 | 12.0 | 12.0 | 15.0 | 15.0 | 15.0 | 18.0 | 18.0 | 18.0 | 25.0 | 25.0 | 25.0 | 12.0 |

```
 590      12.0 12.0 15.0 15.0 15.0 18.0 18.0 18.0 25.0 25.0 25.0 12.0
 610      12.0 12.0 15.0 15.0 15.0 18.0 18.0 18.0 25.0 25.0 25.0 12.0
 630      12.0 12.0 15.0 15.0 15.0 18.0 18.0 18.0 25.0 25.0 25.0 12.0
 650      12.0 12.0 15.0 15.0 15.0 18.0 18.0 18.0 25.0 25.0 25.0 12.0
 670      12.0 12.0 15.0 15.0 15.0 18.0 18.0 18.0 25.0 25.0 25.0 12.0
 END MON-IFLW-CONC

 MON-GRND-CONC
*** <PLS >  Value at start of month for conc of BOD in groundwater (mg/l)
*** These values were copied from LPCal03.uci and have not been adjusted for IRW
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
*** Forest
  21      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
  41      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
  61      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
  81      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 101      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 121      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 141      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 161      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 181      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 201      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 221      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 241      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 261      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 281      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 301      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 321      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 341      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 361      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 381      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 401      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 421      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 441      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 461      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 481      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 501      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 521      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 541      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 561      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 581      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 601      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 621      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 641      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
 661      2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  2.0  3.0  2.0  2.0
*** Grass/Shrub/Barren
  25     3.00 3.00 3.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 3.00 3.00
  45     3.00 3.00 3.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 3.00 3.00
  65     3.00 3.00 3.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 3.00 3.00
  85     3.00 3.00 3.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 3.00 3.00
 105      3.00 3.00 3.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 3.00 3.00
 125      3.00 3.00 3.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 3.00 3.00
 145      3.00 3.00 3.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 3.00 3.00
 165      3.00 3.00 3.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 3.00 3.00
 185      3.00 3.00 3.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 3.00 3.00
 205      3.00 3.00 3.00 6.00 6.00 6.00 6.00 6.00 6.00 6.00 3.00 3.00
```

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 225 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 245 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 265 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 285 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 305 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 325 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 345 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 365 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 385 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 405 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 425 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 445 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 465 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 485 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 505 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 525 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 545 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 565 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 585 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 605 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 625 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 645 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |
| 665 | 3.00 | 3.00 | 3.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.00 | 3.00 |

*** Developed, Open

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 46 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 66 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 86 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 106 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 126 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 146 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 166 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 186 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 206 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 226 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 246 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 266 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 286 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 306 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 326 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 346 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 366 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 386 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 406 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 426 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 446 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 466 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 486 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 506 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 526 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 546 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 566 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 586 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 606 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 626 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |
| 646 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 666 | 7.0 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 7.0 | 7.0 | 7.0 |

*** Developed, Low

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 47 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 67 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 87 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 107 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 127 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 147 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 167 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 187 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 207 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 227 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 247 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 267 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 287 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 307 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 327 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 347 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 367 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 387 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 407 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 427 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 447 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 467 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 487 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 507 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 527 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 547 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 567 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 587 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 607 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 627 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 647 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |
| 667 | 8.0 | 8.0 | 8.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.0 | 8.0 | 8.0 |

*** Developed, Med/High

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 48 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 68 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 88 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 108 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 128 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 148 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 168 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 188 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 208 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 228 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 248 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 268 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 288 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 308 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 328 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 348 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 368 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 388 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 408 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 428 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 448 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 468 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 488 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 508 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 528 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 548 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 568 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 588 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 608 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 628 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 648 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |
| 668 | 10.0 | 10.0 | 10.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | 10.0 | 10.0 |

*** Wetlands

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 49 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 69 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 89 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 109 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 129 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 149 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 169 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 189 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 209 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 229 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 249 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 269 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 289 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 309 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 329 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 349 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 369 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 389 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 409 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 429 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 449 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 469 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 489 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 509 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 529 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 549 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 569 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 589 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 609 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 629 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 649 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |
| 669 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 2.0 |

*** Cropland

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 10.0 | 10.0 | 18.0 | 18.0 | 18.0 | 35.0 | 35.0 | 35.0 | 35.0 | 25.0 | 18.0 | 10.0 |
| 50 | 10.0 | 10.0 | 18.0 | 18.0 | 18.0 | 35.0 | 35.0 | 35.0 | 35.0 | 25.0 | 18.0 | 10.0 |
| 70 | 10.0 | 10.0 | 18.0 | 18.0 | 18.0 | 35.0 | 35.0 | 35.0 | 35.0 | 25.0 | 18.0 | 10.0 |
| 90 | 10.0 | 10.0 | 18.0 | 18.0 | 18.0 | 35.0 | 35.0 | 35.0 | 35.0 | 25.0 | 18.0 | 10.0 |
| 110 | 10.0 | 10.0 | 18.0 | 18.0 | 18.0 | 35.0 | 35.0 | 35.0 | 35.0 | 25.0 | 18.0 | 10.0 |
| 130 | 10.0 | 10.0 | 18.0 | 18.0 | 18.0 | 35.0 | 35.0 | 35.0 | 35.0 | 25.0 | 18.0 | 10.0 |
| 150 | 10.0 | 10.0 | 18.0 | 18.0 | 18.0 | 35.0 | 35.0 | 35.0 | 35.0 | 25.0 | 18.0 | 10.0 |
| 170 | 10.0 | 10.0 | 18.0 | 18.0 | 18.0 | 35.0 | 35.0 | 35.0 | 35.0 | 25.0 | 18.0 | 10.0 |

```
 190      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 210      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 230      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 250      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 270      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 290      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 310      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 330      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 350      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 370      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 390      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 410      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 430      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 450      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 470      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 490      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 510      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 530      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 550      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 570      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 590      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 610      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 630      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 650      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 670      10.0 10.0 18.0 18.0 18.0 35.0 35.0 35.0 35.0 25.0 18.0 10.0
 END MON-GRND-CONC

*************************************************************************
*************************************************************************
                          *** SECTION MSTLAY ***
 MST-PARM
  FACTORS USED TO ADJUST SOLUTE LEACHING RATES ***
  <PLS >     SLMPF      ULPF      LLPF   ***
  #   #                          ***
  22  24      0.3       3.0       1.5
  32          0.3       3.0       1.5
  42  44      0.3       3.0       1.5
  52          0.3       3.0       1.5
  62  64      0.3       3.0       1.5
  72          0.3       3.0       1.5
  82  84      0.3       3.0       1.5
  92          0.3       3.0       1.5
 102 104      0.3       3.0       1.5
 112          0.3       3.0       1.5
 122 124      0.3       3.0       1.5
 132          0.3       3.0       1.5
 142 144      0.3       3.0       1.5
 152          0.3       3.0       1.5
 162 164      0.3       3.0       1.5
 172          0.3       3.0       1.5
 182 184      0.3       3.0       1.5
 192          0.3       3.0       1.5
 202 204      0.3       3.0       1.5
 212          0.3       3.0       1.5
 222 224      0.3       3.0       1.5
 232          0.3       3.0       1.5
```

```
242  244      0.3      3.0      1.5
252          0.3      3.0      1.5
262  264      0.3      3.0      1.5
272          0.3      3.0      1.5
282  284      0.3      3.0      1.5
292          0.3      3.0      1.5
302  304      0.3      3.0      1.5
312          0.3      3.0      1.5
322  324      0.3      3.0      1.5
332          0.3      3.0      1.5
342  344      0.3      3.0      1.5
352          0.3      3.0      1.5
362  364      0.3      3.0      1.5
372          0.3      3.0      1.5
382  384      0.3      3.0      1.5
392          0.3      3.0      1.5
402  404      0.3      3.0      1.5
412          0.3      3.0      1.5
422  424      0.3      3.0      1.5
432          0.3      3.0      1.5
442  444      0.3      3.0      1.5
452          0.3      3.0      1.5
462  464      0.3      3.0      1.5
472          0.3      3.0      1.5
482  484      0.3      3.0      1.5
492          0.3      3.0      1.5
502  504      0.3      3.0      1.5
512          0.3      3.0      1.5
522  524      0.3      3.0      1.5
532          0.3      3.0      1.5
542  544      0.3      3.0      1.5
552          0.3      3.0      1.5
562  564      0.3      3.0      1.5
572          0.3      3.0      1.5
582  584      0.3      3.0      1.5
592          0.3      3.0      1.5
602  604      0.3      3.0      1.5
612          0.3      3.0      1.5
622  624      0.3      3.0      1.5
632          0.3      3.0      1.5
642  644      0.3      3.0      1.5
652          0.3      3.0      1.5
662  664      0.3      3.0      1.5
672          0.3      3.0      1.5
END MST-PARM

MST-TOPSTOR
 INITIAL STORAGES OF MOISTURE IN TOPSOIL***
 <PLS >     SMSTM     UMSTM     IMSTM   ***
 #   #                          ***
 22  24      0.0       0.0       0.0
 32          0.0       0.0       0.0
 42  44      0.0       0.0       0.0
 52          0.0       0.0       0.0
 62  64      0.0       0.0       0.0
 72          0.0       0.0       0.0
```

| | | | | |
|---|---|---|---|---|
| 82 | 84 | 0.0 | 0.0 | 0.0 |
| 92 | | 0.0 | 0.0 | 0.0 |
| 102 | 104 | 0.0 | 0.0 | 0.0 |
| 112 | | 0.0 | 0.0 | 0.0 |
| 122 | 124 | 0.0 | 0.0 | 0.0 |
| 132 | | 0.0 | 0.0 | 0.0 |
| 142 | 144 | 0.0 | 0.0 | 0.0 |
| 152 | | 0.0 | 0.0 | 0.0 |
| 162 | 164 | 0.0 | 0.0 | 0.0 |
| 172 | | 0.0 | 0.0 | 0.0 |
| 182 | 184 | 0.0 | 0.0 | 0.0 |
| 192 | | 0.0 | 0.0 | 0.0 |
| 202 | 204 | 0.0 | 0.0 | 0.0 |
| 212 | | 0.0 | 0.0 | 0.0 |
| 222 | 224 | 0.0 | 0.0 | 0.0 |
| 232 | | 0.0 | 0.0 | 0.0 |
| 242 | 244 | 0.0 | 0.0 | 0.0 |
| 252 | | 0.0 | 0.0 | 0.0 |
| 262 | 264 | 0.0 | 0.0 | 0.0 |
| 272 | | 0.0 | 0.0 | 0.0 |
| 282 | 284 | 0.0 | 0.0 | 0.0 |
| 292 | | 0.0 | 0.0 | 0.0 |
| 302 | 304 | 0.0 | 0.0 | 0.0 |
| 312 | | 0.0 | 0.0 | 0.0 |
| 322 | 324 | 0.0 | 0.0 | 0.0 |
| 332 | | 0.0 | 0.0 | 0.0 |
| 342 | 344 | 0.0 | 0.0 | 0.0 |
| 352 | | 0.0 | 0.0 | 0.0 |
| 362 | 364 | 0.0 | 0.0 | 0.0 |
| 372 | | 0.0 | 0.0 | 0.0 |
| 382 | 384 | 0.0 | 0.0 | 0.0 |
| 392 | | 0.0 | 0.0 | 0.0 |
| 402 | 404 | 0.0 | 0.0 | 0.0 |
| 412 | | 0.0 | 0.0 | 0.0 |
| 422 | 424 | 0.0 | 0.0 | 0.0 |
| 432 | | 0.0 | 0.0 | 0.0 |
| 442 | 444 | 0.0 | 0.0 | 0.0 |
| 452 | | 0.0 | 0.0 | 0.0 |
| 462 | 464 | 0.0 | 0.0 | 0.0 |
| 472 | | 0.0 | 0.0 | 0.0 |
| 482 | 484 | 0.0 | 0.0 | 0.0 |
| 492 | | 0.0 | 0.0 | 0.0 |
| 502 | 504 | 0.0 | 0.0 | 0.0 |
| 512 | | 0.0 | 0.0 | 0.0 |
| 522 | 524 | 0.0 | 0.0 | 0.0 |
| 532 | | 0.0 | 0.0 | 0.0 |
| 542 | 544 | 0.0 | 0.0 | 0.0 |
| 552 | | 0.0 | 0.0 | 0.0 |
| 562 | 564 | 0.0 | 0.0 | 0.0 |
| 572 | | 0.0 | 0.0 | 0.0 |
| 582 | 584 | 0.0 | 0.0 | 0.0 |
| 592 | | 0.0 | 0.0 | 0.0 |
| 602 | 604 | 0.0 | 0.0 | 0.0 |
| 612 | | 0.0 | 0.0 | 0.0 |
| 622 | 624 | 0.0 | 0.0 | 0.0 |
| 632 | | 0.0 | 0.0 | 0.0 |

```
642  644      0.0      0.0      0.0
652          0.0      0.0      0.0
662  664      0.0      0.0      0.0
672          0.0      0.0      0.0
END MST-TOPSTOR

MST-TOPFLX
  INITIAL FRACTIONAL FLUXES IN TOPSOIL                    ***
  <PLS >      FSO      FSP      FII      FUP      FIO ***
  #   #                                    ***
 22  24      0.0      0.0      0.0      0.0      0.0
 32          0.0      0.0      0.0      0.0      0.0
 42  44      0.0      0.0      0.0      0.0      0.0
 52          0.0      0.0      0.0      0.0      0.0
 62  64      0.0      0.0      0.0      0.0      0.0
 72          0.0      0.0      0.0      0.0      0.0
 82  84      0.0      0.0      0.0      0.0      0.0
 92          0.0      0.0      0.0      0.0      0.0
102  104     0.0      0.0      0.0      0.0      0.0
112          0.0      0.0      0.0      0.0      0.0
122  124     0.0      0.0      0.0      0.0      0.0
132          0.0      0.0      0.0      0.0      0.0
142  144     0.0      0.0      0.0      0.0      0.0
152          0.0      0.0      0.0      0.0      0.0
162  164     0.0      0.0      0.0      0.0      0.0
172          0.0      0.0      0.0      0.0      0.0
182  184     0.0      0.0      0.0      0.0      0.0
192          0.0      0.0      0.0      0.0      0.0
202  204     0.0      0.0      0.0      0.0      0.0
212          0.0      0.0      0.0      0.0      0.0
222  224     0.0      0.0      0.0      0.0      0.0
232          0.0      0.0      0.0      0.0      0.0
242  244     0.0      0.0      0.0      0.0      0.0
252          0.0      0.0      0.0      0.0      0.0
262  264     0.0      0.0      0.0      0.0      0.0
272          0.0      0.0      0.0      0.0      0.0
282  284     0.0      0.0      0.0      0.0      0.0
292          0.0      0.0      0.0      0.0      0.0
302  304     0.0      0.0      0.0      0.0      0.0
312          0.0      0.0      0.0      0.0      0.0
322  324     0.0      0.0      0.0      0.0      0.0
332          0.0      0.0      0.0      0.0      0.0
342  344     0.0      0.0      0.0      0.0      0.0
352          0.0      0.0      0.0      0.0      0.0
362  364     0.0      0.0      0.0      0.0      0.0
372          0.0      0.0      0.0      0.0      0.0
382  384     0.0      0.0      0.0      0.0      0.0
392          0.0      0.0      0.0      0.0      0.0
402  404     0.0      0.0      0.0      0.0      0.0
412          0.0      0.0      0.0      0.0      0.0
422  424     0.0      0.0      0.0      0.0      0.0
432          0.0      0.0      0.0      0.0      0.0
442  444     0.0      0.0      0.0      0.0      0.0
452          0.0      0.0      0.0      0.0      0.0
462  464     0.0      0.0      0.0      0.0      0.0
472          0.0      0.0      0.0      0.0      0.0
```

```
482  484      0.0      0.0      0.0      0.0      0.0
492          0.0      0.0      0.0      0.0      0.0
502  504      0.0      0.0      0.0      0.0      0.0
512          0.0      0.0      0.0      0.0      0.0
522  524      0.0      0.0      0.0      0.0      0.0
532          0.0      0.0      0.0      0.0      0.0
542  544      0.0      0.0      0.0      0.0      0.0
552          0.0      0.0      0.0      0.0      0.0
562  564      0.0      0.0      0.0      0.0      0.0
572          0.0      0.0      0.0      0.0      0.0
582  584      0.0      0.0      0.0      0.0      0.0
592          0.0      0.0      0.0      0.0      0.0
602  604      0.0      0.0      0.0      0.0      0.0
612          0.0      0.0      0.0      0.0      0.0
622  624      0.0      0.0      0.0      0.0      0.0
632          0.0      0.0      0.0      0.0      0.0
642  644      0.0      0.0      0.0      0.0      0.0
652          0.0      0.0      0.0      0.0      0.0
662  664      0.0      0.0      0.0      0.0      0.0
672          0.0      0.0      0.0      0.0      0.0
END MST-TOPFLX

MST-SUBSTOR
 INITIAL STORAGES OF MOISTURE IN LOWER AND GROUNDWATER LAYERS ***
 <PLS >     LMSTM     AMSTM ***
 #   #                  ***
 22  24      0.0       0.0
 32          0.0       0.0
 42  44      0.0       0.0
 52          0.0       0.0
 62  64      0.0       0.0
 72          0.0       0.0
 82  84      0.0       0.0
 92          0.0       0.0
102  104     0.0       0.0
112          0.0       0.0
122  124     0.0       0.0
132          0.0       0.0
142  144     0.0       0.0
152          0.0       0.0
162  164     0.0       0.0
172          0.0       0.0
182  184     0.0       0.0
192          0.0       0.0
202  204     0.0       0.0
212          0.0       0.0
222  224     0.0       0.0
232          0.0       0.0
242  244     0.0       0.0
252          0.0       0.0
262  264     0.0       0.0
272          0.0       0.0
282  284     0.0       0.0
292          0.0       0.0
302  304     0.0       0.0
312          0.0       0.0
```

```
322  324      0.0      0.0
332          0.0      0.0
342  344      0.0      0.0
352          0.0      0.0
362  364      0.0      0.0
372          0.0      0.0
382  384      0.0      0.0
392          0.0      0.0
402  404      0.0      0.0
412          0.0      0.0
422  424      0.0      0.0
432          0.0      0.0
442  444      0.0      0.0
452          0.0      0.0
462  464      0.0      0.0
472          0.0      0.0
482  484      0.0      0.0
492          0.0      0.0
502  504      0.0      0.0
512          0.0      0.0
522  524      0.0      0.0
532          0.0      0.0
542  544      0.0      0.0
552          0.0      0.0
562  564      0.0      0.0
572          0.0      0.0
582  584      0.0      0.0
592          0.0      0.0
602  604      0.0      0.0
612          0.0      0.0
622  624      0.0      0.0
632          0.0      0.0
642  644      0.0      0.0
652          0.0      0.0
662  664      0.0      0.0
672          0.0      0.0
END MST-SUBSTOR

MST-SUBFLX
  INITIAL FRACTIONAL FLUXES IN SUBSOIL   ***
  <PLS >       FLP     FLDPF       FAO   ***
  #   #                                ***
 22   24       0.0       0.0       0.0
 32           0.0       0.0       0.0
 42   44       0.0       0.0       0.0
 52           0.0       0.0       0.0
 62   64       0.0       0.0       0.0
 72           0.0       0.0       0.0
 82   84       0.0       0.0       0.0
 92           0.0       0.0       0.0
102  104      0.0       0.0       0.0
112          0.0       0.0       0.0
122  124      0.0       0.0       0.0
132          0.0       0.0       0.0
142  144      0.0       0.0       0.0
152          0.0       0.0       0.0
```

```
162  164     0.0     0.0     0.0
172         0.0     0.0     0.0
182  184     0.0     0.0     0.0
192         0.0     0.0     0.0
202  204     0.0     0.0     0.0
212         0.0     0.0     0.0
222  224     0.0     0.0     0.0
232         0.0     0.0     0.0
242  244     0.0     0.0     0.0
252         0.0     0.0     0.0
262  264     0.0     0.0     0.0
272         0.0     0.0     0.0
282  284     0.0     0.0     0.0
292         0.0     0.0     0.0
302  304     0.0     0.0     0.0
312         0.0     0.0     0.0
322  324     0.0     0.0     0.0
332         0.0     0.0     0.0
342  344     0.0     0.0     0.0
352         0.0     0.0     0.0
362  364     0.0     0.0     0.0
372         0.0     0.0     0.0
382  384     0.0     0.0     0.0
392         0.0     0.0     0.0
402  404     0.0     0.0     0.0
412         0.0     0.0     0.0
422  424     0.0     0.0     0.0
432         0.0     0.0     0.0
442  444     0.0     0.0     0.0
452         0.0     0.0     0.0
462  464     0.0     0.0     0.0
472         0.0     0.0     0.0
482  484     0.0     0.0     0.0
492         0.0     0.0     0.0
502  504     0.0     0.0     0.0
512         0.0     0.0     0.0
522  524     0.0     0.0     0.0
532         0.0     0.0     0.0
542  544     0.0     0.0     0.0
552         0.0     0.0     0.0
562  564     0.0     0.0     0.0
572         0.0     0.0     0.0
582  584     0.0     0.0     0.0
592         0.0     0.0     0.0
602  604     0.0     0.0     0.0
612         0.0     0.0     0.0
622  624     0.0     0.0     0.0
632         0.0     0.0     0.0
642  644     0.0     0.0     0.0
652         0.0     0.0     0.0
662  664     0.0     0.0     0.0
672         0.0     0.0     0.0
END MST-SUBFLX

*** SECTION NITR
SOIL-DATA
```

<PLS > SOIL LAYER DEPTHS AND BULK DENSITIES ***

| # - | # | DEPTHS (IN) | | | | BULK DENSITY (LB/FT3) *** | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | SURFACE | UPPER | LOWER | GROUNDW | SURFACE | UPPER | LOWER | GROUNDW *** |
| 22 | 24 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 32 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 42 | 44 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 52 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 62 | 64 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 72 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 82 | 84 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 92 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 102 | 104 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 112 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 122 | 124 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 132 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 142 | 144 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 152 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 162 | 164 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 172 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 182 | 184 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 192 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 202 | 204 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 212 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 222 | 224 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 232 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 242 | 244 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 252 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 262 | 264 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 272 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 282 | 284 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 292 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 302 | 304 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 312 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 322 | 324 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 332 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 342 | 344 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 352 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 362 | 364 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 372 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 382 | 384 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 392 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 402 | 404 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 412 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 422 | 424 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 432 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 442 | 444 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 452 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 462 | 464 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 472 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 482 | 484 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 492 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 502 | 504 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 512 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 522 | 524 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 532 | | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |
| 542 | 544 | 0.39 | 5.61 | 35.30 | 60.0 | 74.9 | 95.5 | 84.3 | 83.7 |

```
552       0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
562  564  0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
572       0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
582  584  0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
592       0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
602  604  0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
612       0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
622  624  0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
632       0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
642  644  0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
652       0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
662  664  0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
672       0.39   5.61  35.30   60.0   74.9   95.5   84.3   83.7
END SOIL-DATA

*** Nitrogen flags
*** Ammonium adsorption by Fruendlich isotherm method
*** Nitrogen plant uptake by yield-based method
*** Nitrogen fixation is not simulated
*** Ammonia volatilization is simulated
*** Above ground plant N and litter plant N are not simulated; this is consistent with PHOS method
*** below ground plant N is an index of the amount of N taken up by plants during year
NIT-FLAGS
  <PLS > NITROGEN FLAGS   ***
  # -  # VNUT FORA ITMX BNUM CNUM NUPT FIXN AMVO ALPN VNPR ***
  22   24      1  100   3   1   1   0   1   0   1
  32          1  100   3   1   1   0   1   0   1
  42   44      1  100   3   1   1   0   1   0   1
  52          1  100   3   1   1   0   1   0   1
  62   64      1  100   3   1   1   0   1   0   1
  72          1  100   3   1   1   0   1   0   1
  82   84      1  100   3   1   1   0   1   0   1
  92          1  100   3   1   1   0   1   0   1
 102  104      1  100   3   1   1   0   1   0   1
 112          1  100   3   1   1   0   1   0   1
 122  124      1  100   3   1   1   0   1   0   1
 132          1  100   3   1   1   0   1   0   1
 142  144      1  100   3   1   1   0   1   0   1
 152          1  100   3   1   1   0   1   0   1
 162  164      1  100   3   1   1   0   1   0   1
 172          1  100   3   1   1   0   1   0   1
 182  184      1  100   3   1   1   0   1   0   1
 192          1  100   3   1   1   0   1   0   1
 202  204      1  100   3   1   1   0   1   0   1
 212          1  100   3   1   1   0   1   0   1
 222  224      1  100   3   1   1   0   1   0   1
 232          1  100   3   1   1   0   1   0   1
 242  244      1  100   3   1   1   0   1   0   1
 252          1  100   3   1   1   0   1   0   1
 262  264      1  100   3   1   1   0   1   0   1
 272          1  100   3   1   1   0   1   0   1
 282  284      1  100   3   1   1   0   1   0   1
 292          1  100   3   1   1   0   1   0   1
 302  304      1  100   3   1   1   0   1   0   1
 312          1  100   3   1   1   0   1   0   1
 322  324      1  100   3   1   1   0   1   0   1
```

```
332          1  100   3   1   1   0   1   0   1
342  344       1  100   3   1   1   0   1   0   1
352          1  100   3   1   1   0   1   0   1
362  364       1  100   3   1   1   0   1   0   1
372          1  100   3   1   1   0   1   0   1
382  384       1  100   3   1   1   0   1   0   1
392          1  100   3   1   1   0   1   0   1
402  404       1  100   3   1   1   0   1   0   1
412          1  100   3   1   1   0   1   0   1
422  424       1  100   3   1   1   0   1   0   1
432          1  100   3   1   1   0   1   0   1
442  444       1  100   3   1   1   0   1   0   1
452          1  100   3   1   1   0   1   0   1
462  464       1  100   3   1   1   0   1   0   1
472          1  100   3   1   1   0   1   0   1
482  484       1  100   3   1   1   0   1   0   1
492          1  100   3   1   1   0   1   0   1
502  504       1  100   3   1   1   0   1   0   1
512          1  100   3   1   1   0   1   0   1
522  524       1  100   3   1   1   0   1   0   1
532          1  100   3   1   1   0   1   0   1
542  544       1  100   3   1   1   0   1   0   1
552          1  100   3   1   1   0   1   0   1
562  564       1  100   3   1   1   0   1   0   1
572          1  100   3   1   1   0   1   0   1
582  584       1  100   3   1   1   0   1   0   1
592          1  100   3   1   1   0   1   0   1
602  604       1  100   3   1   1   0   1   0   1
612          1  100   3   1   1   0   1   0   1
622  624       1  100   3   1   1   0   1   0   1
632          1  100   3   1   1   0   1   0   1
642  644       1  100   3   1   1   0   1   0   1
652          1  100   3   1   1   0   1   0   1
662  664       1  100   3   1   1   0   1   0   1
672          1  100   3   1   1   0   1   0   1
END NIT-FLAGS
```

*** the N atmospheric deposition function is used for
*** atmospheric deposition of NO3 and NH3 (both dry and wet)
*** it is also used for adding manure to pasture (dry dep only)
*** NO3, NH3, and ORG-N values are entered as separate timeseries
*** the atmospheric deposition and manure timeseries should be summed by HSPF

```
NIT-AD-FLAGS
        Atmospheric Deposition Flags ***
          NO3          NH3          ORGN    ***
  <PLS >   sur   upp   sur   upp   sur   upp ***
  # -  #   F  C   F  C   F  C   F  C   F  C   F  C ***
  22  24  -1 -1  -1  0  -1 -1  -1  0  -1  0  -1  0
  32      -1 -1  -1  0  -1 -1  -1  0  -1  0  -1  0
  42  44  -1 -1  -1  0  -1 -1  -1  0  -1  0  -1  0
  52      -1 -1  -1  0  -1 -1  -1  0  -1  0  -1  0
  62  64  -1 -1  -1  0  -1 -1  -1  0  -1  0  -1  0
  72      -1 -1  -1  0  -1 -1  -1  0  -1  0  -1  0
  82  84  -1 -1  -1  0  -1 -1  -1  0  -1  0  -1  0
  92      -1 -1  -1  0  -1 -1  -1  0  -1  0  -1  0
```

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 102 | 104 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 112 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 122 | 124 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 132 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 142 | 144 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 152 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 162 | 164 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 172 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 182 | 184 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 192 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 202 | 204 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 212 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 222 | 224 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 232 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 242 | 244 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 252 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 262 | 264 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 272 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 282 | 284 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 292 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 302 | 304 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 312 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 322 | 324 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 332 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 342 | 344 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 352 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 362 | 364 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 372 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 382 | 384 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 392 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 402 | 404 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 412 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 422 | 424 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 432 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 442 | 444 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 452 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 462 | 464 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 472 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 482 | 484 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 492 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 502 | 504 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 512 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 522 | 524 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 532 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 542 | 544 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 552 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 562 | 564 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 572 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 582 | 584 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 592 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 602 | 604 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 612 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 622 | 624 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 632 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 642 | 644 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |
| 652 | | -1 | -1 | -1 | 0 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 |

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 662  664  -1 -1  -1  0   -1 -1  -1  0   -1  0  -1  0
 672       -1 -1  -1  0   -1 -1  -1  0   -1  0  -1  0
 END NIT-AD-FLAGS

*** Plant uptake of nitrogen - yield-based method
 SOIL-DATA2
  <PLS >    SWILTP    UWILTP    LWILTP    AWILTP ***
  # -  #   (IN/IN)   (IN/IN)   (IN/IN)   (IN/IN) ***
  22   24     0.01     0.005     0.05      0.18
  32          0.01     0.005     0.05      0.18
  42   44     0.01     0.005     0.05      0.18
  52          0.01     0.005     0.05      0.18
  62   64     0.01     0.005     0.05      0.18
  72          0.01     0.005     0.05      0.18
  82   84     0.01     0.005     0.05      0.18
  92          0.01     0.005     0.05      0.18
 102  104     0.01     0.005     0.05      0.18
 112          0.01     0.005     0.05      0.18
 122  124     0.01     0.005     0.05      0.18
 132          0.01     0.005     0.05      0.18
 142  144     0.01     0.005     0.05      0.18
 152          0.01     0.005     0.05      0.18
 162  164     0.01     0.005     0.05      0.18
 172          0.01     0.005     0.05      0.18
 182  184     0.01     0.005     0.05      0.18
 192          0.01     0.005     0.05      0.18
 202  204     0.01     0.005     0.05      0.18
 212          0.01     0.005     0.05      0.18
 222  224     0.01     0.005     0.05      0.18
 232          0.01     0.005     0.05      0.18
 242  244     0.01     0.005     0.05      0.18
 252          0.01     0.005     0.05      0.18
 262  264     0.01     0.005     0.05      0.18
 272          0.01     0.005     0.05      0.18
 282  284     0.01     0.005     0.05      0.18
 292          0.01     0.005     0.05      0.18
 302  304     0.01     0.005     0.05      0.18
 312          0.01     0.005     0.05      0.18
 322  324     0.01     0.005     0.05      0.18
 332          0.01     0.005     0.05      0.18
 342  344     0.01     0.005     0.05      0.18
 352          0.01     0.005     0.05      0.18
 362  364     0.01     0.005     0.05      0.18
 372          0.01     0.005     0.05      0.18
 382  384     0.01     0.005     0.05      0.18
 392          0.01     0.005     0.05      0.18
 402  404     0.01     0.005     0.05      0.18
 412          0.01     0.005     0.05      0.18
 422  424     0.01     0.005     0.05      0.18
 432          0.01     0.005     0.05      0.18
 442  444     0.01     0.005     0.05      0.18
 452          0.01     0.005     0.05      0.18
 462  464     0.01     0.005     0.05      0.18
 472          0.01     0.005     0.05      0.18
 482  484     0.01     0.005     0.05      0.18
 492          0.01     0.005     0.05      0.18
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502  504     0.01     0.005     0.05     0.18
512         0.01     0.005     0.05     0.18
522  524     0.01     0.005     0.05     0.18
532         0.01     0.005     0.05     0.18
542  544     0.01     0.005     0.05     0.18
552         0.01     0.005     0.05     0.18
562  564     0.01     0.005     0.05     0.18
572         0.01     0.005     0.05     0.18
582  584     0.01     0.005     0.05     0.18
592         0.01     0.005     0.05     0.18
602  604     0.01     0.005     0.05     0.18
612         0.01     0.005     0.05     0.18
622  624     0.01     0.005     0.05     0.18
632         0.01     0.005     0.05     0.18
642  644     0.01     0.005     0.05     0.18
652         0.01     0.005     0.05     0.18
662  664     0.01     0.005     0.05     0.18
672         0.01     0.005     0.05     0.18
END SOIL-DATA2

CROP-DATES
 <PLS >            CROP 1            CROP 2            CROP 3    ***
 # -  # NCRP     PM PD   HM HD     PM PD   HM HD     PM PD   HM HD ***
 22   24    1      1  1   12 31
 32        1      1  1   12 31
 42   44    1      1  1   12 31
 52        1      1  1   12 31
 62   64    1      1  1   12 31
 72        1      1  1   12 31
 82   84    1      1  1   12 31
 92        1      1  1   12 31
102  104    1      1  1   12 31
112        1      1  1   12 31
122  124    1      1  1   12 31
132        1      1  1   12 31
142  144    1      1  1   12 31
152        1      1  1   12 31
162  164    1      1  1   12 31
172        1      1  1   12 31
182  184    1      1  1   12 31
192        1      1  1   12 31
202  204    1      1  1   12 31
212        1      1  1   12 31
222  224    1      1  1   12 31
232        1      1  1   12 31
242  244    1      1  1   12 31
252        1      1  1   12 31
262  264    1      1  1   12 31
272        1      1  1   12 31
282  284    1      1  1   12 31
292        1      1  1   12 31
302  304    1      1  1   12 31
312        1      1  1   12 31
322  324    1      1  1   12 31
332        1      1  1   12 31
342  344    1      1  1   12 31
```

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352        1      1  1   12 31
362  364   1      1  1   12 31
372        1      1  1   12 31
382  384   1      1  1   12 31
392        1      1  1   12 31
402  404   1      1  1   12 31
412        1      1  1   12 31
422  424   1      1  1   12 31
432        1      1  1   12 31
442  444   1      1  1   12 31
452        1      1  1   12 31
462  464   1      1  1   12 31
472        1      1  1   12 31
482  484   1      1  1   12 31
492        1      1  1   12 31
502  504   1      1  1   12 31
512        1      1  1   12 31
522  524   1      1  1   12 31
532        1      1  1   12 31
542  544   1      1  1   12 31
552        1      1  1   12 31
562  564   1      1  1   12 31
572        1      1  1   12 31
582  584   1      1  1   12 31
592        1      1  1   12 31
602  604   1      1  1   12 31
612        1      1  1   12 31
622  624   1      1  1   12 31
632        1      1  1   12 31
642  644   1      1  1   12 31
652        1      1  1   12 31
662  664   1      1  1   12 31
672        1      1  1   12 31
END CROP-DATES

NIT-YIELD
  <PLS >    NUPTGT    NMXRAT ***
  # -  #   (LB/AC)           ***
 22   24     85.00       2.0
 32         85.00       2.0
 42   44     85.00       2.0
 52         85.00       2.0
 62   64     85.00       2.0
 72         85.00       2.0
 82   84     85.00       2.0
 92         85.00       2.0
102  104     85.00       2.0
112          85.00       2.0
122  124     85.00       2.0
132          85.00       2.0
142  144     85.00       2.0
152          85.00       2.0
162  164     85.00       2.0
172          85.00       2.0
182  184     85.00       2.0
192          85.00       2.0
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202  204    85.00     2.0
212        85.00     2.0
222  224    85.00     2.0
232        85.00     2.0
242  244    85.00     2.0
252        85.00     2.0
262  264    85.00     2.0
272        85.00     2.0
282  284    85.00     2.0
292        85.00     2.0
302  304    85.00     2.0
312        85.00     2.0
322  324    85.00     2.0
332        85.00     2.0
342  344    85.00     2.0
352        85.00     2.0
362  364    85.00     2.0
372        85.00     2.0
382  384    85.00     2.0
392        85.00     2.0
402  404    85.00     2.0
412        85.00     2.0
422  424    85.00     2.0
432        85.00     2.0
442  444    85.00     2.0
452        85.00     2.0
462  464    85.00     2.0
472        85.00     2.0
482  484    85.00     2.0
492        85.00     2.0
502  504    85.00     2.0
512        85.00     2.0
522  524    85.00     2.0
532        85.00     2.0
542  544    85.00     2.0
552        85.00     2.0
562  564    85.00     2.0
572        85.00     2.0
582  584    85.00     2.0
592        85.00     2.0
602  604    85.00     2.0
612        85.00     2.0
622  624    85.00     2.0
632        85.00     2.0
642  644    85.00     2.0
652        85.00     2.0
662  664    85.00     2.0
672        85.00     2.0
END NIT-YIELD

MON-NUPT-FR1
 <PLS >  Monthly fractions for plant uptake target                ***
 # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC ***
 22   24  .00  .01  .03 .125 .165 .185  .18  .16 .105  .03 .010 .000
 32       .00  .01  .03 .125 .165 .185  .18  .16 .105  .03 .010 .000
 42   44  .00  .01  .03 .125 .165 .185  .18  .16 .105  .03 .010 .000
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| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 62 | 64 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 72 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 82 | 84 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 92 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 102 | 104 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 112 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 122 | 124 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 132 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 142 | 144 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 152 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 162 | 164 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 172 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 182 | 184 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 192 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 202 | 204 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 212 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 222 | 224 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 232 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 242 | 244 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 252 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 262 | 264 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 272 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 282 | 284 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 292 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 302 | 304 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 312 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 322 | 324 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 332 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 342 | 344 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 352 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 362 | 364 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 372 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 382 | 384 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 392 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 402 | 404 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 412 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 422 | 424 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 432 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 442 | 444 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 452 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 462 | 464 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 472 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 482 | 484 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 492 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 502 | 504 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 512 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 522 | 524 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 532 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 542 | 544 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 552 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 562 | 564 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 572 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 582 | 584 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 592 | | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |
| 602 | 604 | .00 | .01 | .03 | .125 | .165 | .185 | .18 | .16 | .105 | .03 | .010 | .000 |

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612      .00  .01  .03 .125 .165 .185  .18  .16 .105  .03 .010 .000
622  624  .00  .01  .03 .125 .165 .185  .18  .16 .105  .03 .010 .000
632      .00  .01  .03 .125 .165 .185  .18  .16 .105  .03 .010 .000
642  644  .00  .01  .03 .125 .165 .185  .18  .16 .105  .03 .010 .000
652      .00  .01  .03 .125 .165 .185  .18  .16 .105  .03 .010 .000
662  664  .00  .01  .03 .125 .165 .185  .18  .16 .105  .03 .010 .000
672      .00  .01  .03 .125 .165 .185  .18  .16 .105  .03 .010 .000
END MON-NUPT-FR1

MON-NUPT-FR2
 <PLS >  Monthly fractions for plant uptake target from surface     ***
 # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC ***
 22   24  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
 32       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
 42   44  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
 52       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
 62   64  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
 72       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
 82   84  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
 92       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
102  104  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
112       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
122  124  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
132       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
142  144  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
152       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
162  164  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
172       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
182  184  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
192       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
202  204  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
212       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
222  224  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
232       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
242  244  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
252       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
262  264  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
272       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
282  284  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
292       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
302  304  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
312       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
322  324  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
332       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
342  344  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
352       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
362  364  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
372       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
382  384  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
392       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
402  404  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
412       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
422  424  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
432       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
442  444  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
452       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
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462  464  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
472       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
482  484  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
492       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
502  504  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
512       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
522  524  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
532       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
542  544  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
552       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
562  564  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
572       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
582  584  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
592       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
602  604  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
612       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
622  624  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
632       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
642  644  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
652       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
662  664  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
672       .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01  .01
END MON-NUPT-FR2

MON-NUPT-FR2
 <PLS >  Monthly fractions for plant uptake target from upper       ***
 # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC ***
 22   24  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
 32       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
 42   44  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
 52       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
 62   64  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
 72       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
 82   84  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
 92       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
102  104  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
112       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
122  124  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
132       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
142  144  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
152       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
162  164  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
172       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
182  184  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
192       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
202  204  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
212       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
222  224  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
232       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
242  244  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
252       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
262  264  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
272       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
282  284  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
292       .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
302  304  .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
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312      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
322  324 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
332      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
342  344 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
352      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
362  364 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
372      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
382  384 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
392      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
402  404 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
412      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
422  424 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
432      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
442  444 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
452      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
462  464 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
472      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
482  484 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
492      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
502  504 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
512      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
522  524 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
532      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
542  544 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
552      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
562  564 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
572      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
582  584 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
592      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
602  604 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
612      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
622  624 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
632      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
642  644 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
652      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
662  664 .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
672      .56  .56  .65  .65  .65  .65  .60  .55  .50  .45  .56  .56
END MON-NUPT-FR2

MON-NUPT-FR2
 <PLS >  Monthly fractions for plant uptake target from lower       ***
 # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC ***
 22   24  .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
 32       .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
 42   44  .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
 52       .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
 62   64  .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
 72       .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
 82   84  .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
 92       .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
102  104  .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
112       .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
122  124  .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
132       .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
142  144  .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
152       .43  .43  .34  .34  .34  .34  .39  .44  .49  .54  .43  .43
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162 164 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
172     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
182 184 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
192     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
202 204 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
212     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
222 224 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
232     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
242 244 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
252     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
262 264 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
272     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
282 284 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
292     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
302 304 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
312     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
322 324 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
332     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
342 344 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
352     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
362 364 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
372     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
382 384 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
392     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
402 404 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
412     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
422 424 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
432     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
442 444 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
452     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
462 464 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
472     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
482 484 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
492     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
502 504 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
512     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
522 524 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
532     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
542 544 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
552     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
562 564 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
572     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
582 584 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
592     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
602 604 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
612     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
622 624 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
632     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
642 644 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
652     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
662 664 .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
672     .43 .43 .34 .34 .34 .34 .39 .44 .49 .54 .43 .43
END MON-NUPT-FR2

MON-NUPT-FR2
 <PLS >  Monthly fractions for plant uptake target from active gw   ***
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| # - | # | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC *** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | 24 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 32 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 42 | 44 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 52 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 62 | 64 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 72 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 82 | 84 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 92 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 102 | 104 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 112 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 122 | 124 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 132 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 142 | 144 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 152 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 162 | 164 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 172 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 182 | 184 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 192 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 202 | 204 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 212 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 222 | 224 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 232 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 242 | 244 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 252 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 262 | 264 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 272 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 282 | 284 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 292 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 302 | 304 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 312 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 322 | 324 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 332 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 342 | 344 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 352 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 362 | 364 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 372 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 382 | 384 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 392 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 402 | 404 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 412 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 422 | 424 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 432 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 442 | 444 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 452 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 462 | 464 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 472 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 482 | 484 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 492 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 502 | 504 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 512 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 522 | 524 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 532 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 542 | 544 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 552 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 562 | 564 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

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 572       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 582  584   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 592       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 602  604   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 612       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 622  624   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 632       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 642  644   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 652       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 662  664   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 672       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 END MON-NUPT-FR2

*** Ammonia volatilization
 NIT-AMVOLAT
     AMMONIA VOLATILIZATION FIRST-ORDER RATES ***
  <PLS >     SKVOL     UKVOL     LKVOL     AKVOL     THVOL    TRFVOL ***
   #   #   (/DAY)    (/DAY)    (/DAY)    (/DAY)       (-)   (DEG C) ***
  22  24    15.00      0.05       0.        0.     1.045       20.
  32        15.00      0.05       0.        0.     1.045       20.
  42  44    15.00      0.05       0.        0.     1.045       20.
  52        15.00      0.05       0.        0.     1.045       20.
  62  64    15.00      0.05       0.        0.     1.045       20.
  72        15.00      0.05       0.        0.     1.045       20.
  82  84    15.00      0.05       0.        0.     1.045       20.
  92        15.00      0.05       0.        0.     1.045       20.
 102 104    15.00      0.05       0.        0.     1.045       20.
 112        15.00      0.05       0.        0.     1.045       20.
 122 124    15.00      0.05       0.        0.     1.045       20.
 132        15.00      0.05       0.        0.     1.045       20.
 142 144    15.00      0.05       0.        0.     1.045       20.
 152        15.00      0.05       0.        0.     1.045       20.
 162 164    15.00      0.05       0.        0.     1.045       20.
 172        15.00      0.05       0.        0.     1.045       20.
 182 184    15.00      0.05       0.        0.     1.045       20.
 192        15.00      0.05       0.        0.     1.045       20.
 202 204    15.00      0.05       0.        0.     1.045       20.
 212        15.00      0.05       0.        0.     1.045       20.
 222 224    15.00      0.05       0.        0.     1.045       20.
 232        15.00      0.05       0.        0.     1.045       20.
 242 244    15.00      0.05       0.        0.     1.045       20.
 252        15.00      0.05       0.        0.     1.045       20.
 262 264    15.00      0.05       0.        0.     1.045       20.
 272        15.00      0.05       0.        0.     1.045       20.
 282 284    15.00      0.05       0.        0.     1.045       20.
 292        15.00      0.05       0.        0.     1.045       20.
 302 304    15.00      0.05       0.        0.     1.045       20.
 312        15.00      0.05       0.        0.     1.045       20.
 322 324    15.00      0.05       0.        0.     1.045       20.
 332        15.00      0.05       0.        0.     1.045       20.
 342 344    15.00      0.05       0.        0.     1.045       20.
 352        15.00      0.05       0.        0.     1.045       20.
 362 364    15.00      0.05       0.        0.     1.045       20.
 372        15.00      0.05       0.        0.     1.045       20.
 382 384    15.00      0.05       0.        0.     1.045       20.
 392        15.00      0.05       0.        0.     1.045       20.
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402  404    15.00    0.05    0.    0.    1.045    20.
412         15.00    0.05    0.    0.    1.045    20.
422  424    15.00    0.05    0.    0.    1.045    20.
432         15.00    0.05    0.    0.    1.045    20.
442  444    15.00    0.05    0.    0.    1.045    20.
452         15.00    0.05    0.    0.    1.045    20.
462  464    15.00    0.05    0.    0.    1.045    20.
472         15.00    0.05    0.    0.    1.045    20.
482  484    15.00    0.05    0.    0.    1.045    20.
492         15.00    0.05    0.    0.    1.045    20.
502  504    15.00    0.05    0.    0.    1.045    20.
512         15.00    0.05    0.    0.    1.045    20.
522  524    15.00    0.05    0.    0.    1.045    20.
532         15.00    0.05    0.    0.    1.045    20.
542  544    15.00    0.05    0.    0.    1.045    20.
552         15.00    0.05    0.    0.    1.045    20.
562  564    15.00    0.05    0.    0.    1.045    20.
572         15.00    0.05    0.    0.    1.045    20.
582  584    15.00    0.05    0.    0.    1.045    20.
592         15.00    0.05    0.    0.    1.045    20.
602  604    15.00    0.05    0.    0.    1.045    20.
612         15.00    0.05    0.    0.    1.045    20.
622  624    15.00    0.05    0.    0.    1.045    20.
632         15.00    0.05    0.    0.    1.045    20.
642  644    15.00    0.05    0.    0.    1.045    20.
652         15.00    0.05    0.    0.    1.045    20.
662  664    15.00    0.05    0.    0.    1.045    20.
672         15.00    0.05    0.    0.    1.045    20.
END NIT-AMVOLAT

*** First order rates for N reactions (NO3 immobilization, ammonification of org N,
*** NO3 denitrification, nitrification, and NH4 immobilization)
*** note: in the following 5 tables, there are blank fields for the parameters that are
*** relevant to the first-order ammonium asorption kinetics and the first-order
*** plant uptake kinetics, both of which are not being used

NIT-FSTGEN
 <PLS > UPT-FRAC.<----  TEMP-PARMS(THETA)              >***
 #   #  NO3  NH4  PLN KDSA KADA KIMN  KAM KDNI  KNI KIMA***
 22  24  .8   .2          1.07 1.07 1.07 1.05 1.07
 32      .8   .2         1.07 1.07 1.07 1.05 1.07
 42  44  .8   .2          1.07 1.07 1.07 1.05 1.07
 52      .8   .2         1.07 1.07 1.07 1.05 1.07
 62  64  .8   .2          1.07 1.07 1.07 1.05 1.07
 72      .8   .2         1.07 1.07 1.07 1.05 1.07
 82  84  .8   .2          1.07 1.07 1.07 1.05 1.07
 92      .8   .2         1.07 1.07 1.07 1.05 1.07
102  104  .8   .2          1.07 1.07 1.07 1.05 1.07
112      .8   .2         1.07 1.07 1.07 1.05 1.07
122  124  .8   .2          1.07 1.07 1.07 1.05 1.07
132      .8   .2         1.07 1.07 1.07 1.05 1.07
142  144  .8   .2          1.07 1.07 1.07 1.05 1.07
152      .8   .2         1.07 1.07 1.07 1.05 1.07
162  164  .8   .2          1.07 1.07 1.07 1.05 1.07
172      .8   .2         1.07 1.07 1.07 1.05 1.07
182  184  .8   .2          1.07 1.07 1.07 1.05 1.07
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192       .8   .2              1.07 1.07 1.07 1.05 1.07
202  204   .8   .2              1.07 1.07 1.07 1.05 1.07
212       .8   .2              1.07 1.07 1.07 1.05 1.07
222  224   .8   .2              1.07 1.07 1.07 1.05 1.07
232       .8   .2              1.07 1.07 1.07 1.05 1.07
242  244   .8   .2              1.07 1.07 1.07 1.05 1.07
252       .8   .2              1.07 1.07 1.07 1.05 1.07
262  264   .8   .2              1.07 1.07 1.07 1.05 1.07
272       .8   .2              1.07 1.07 1.07 1.05 1.07
282  284   .8   .2              1.07 1.07 1.07 1.05 1.07
292       .8   .2              1.07 1.07 1.07 1.05 1.07
302  304   .8   .2              1.07 1.07 1.07 1.05 1.07
312       .8   .2              1.07 1.07 1.07 1.05 1.07
322  324   .8   .2              1.07 1.07 1.07 1.05 1.07
332       .8   .2              1.07 1.07 1.07 1.05 1.07
342  344   .8   .2              1.07 1.07 1.07 1.05 1.07
352       .8   .2              1.07 1.07 1.07 1.05 1.07
362  364   .8   .2              1.07 1.07 1.07 1.05 1.07
372       .8   .2              1.07 1.07 1.07 1.05 1.07
382  384   .8   .2              1.07 1.07 1.07 1.05 1.07
392       .8   .2              1.07 1.07 1.07 1.05 1.07
402  404   .8   .2              1.07 1.07 1.07 1.05 1.07
412       .8   .2              1.07 1.07 1.07 1.05 1.07
422  424   .8   .2              1.07 1.07 1.07 1.05 1.07
432       .8   .2              1.07 1.07 1.07 1.05 1.07
442  444   .8   .2              1.07 1.07 1.07 1.05 1.07
452       .8   .2              1.07 1.07 1.07 1.05 1.07
462  464   .8   .2              1.07 1.07 1.07 1.05 1.07
472       .8   .2              1.07 1.07 1.07 1.05 1.07
482  484   .8   .2              1.07 1.07 1.07 1.05 1.07
492       .8   .2              1.07 1.07 1.07 1.05 1.07
502  504   .8   .2              1.07 1.07 1.07 1.05 1.07
512       .8   .2              1.07 1.07 1.07 1.05 1.07
522  524   .8   .2              1.07 1.07 1.07 1.05 1.07
532       .8   .2              1.07 1.07 1.07 1.05 1.07
542  544   .8   .2              1.07 1.07 1.07 1.05 1.07
552       .8   .2              1.07 1.07 1.07 1.05 1.07
562  564   .8   .2              1.07 1.07 1.07 1.05 1.07
572       .8   .2              1.07 1.07 1.07 1.05 1.07
582  584   .8   .2              1.07 1.07 1.07 1.05 1.07
592       .8   .2              1.07 1.07 1.07 1.05 1.07
602  604   .8   .2              1.07 1.07 1.07 1.05 1.07
612       .8   .2              1.07 1.07 1.07 1.05 1.07
622  624   .8   .2              1.07 1.07 1.07 1.05 1.07
632       .8   .2              1.07 1.07 1.07 1.05 1.07
642  644   .8   .2              1.07 1.07 1.07 1.05 1.07
652       .8   .2              1.07 1.07 1.07 1.05 1.07
662  664   .8   .2              1.07 1.07 1.07 1.05 1.07
672       .8   .2              1.07 1.07 1.07 1.05 1.07
END NIT-FSTGEN

NIT-FSTPM
  <PLS >*** Nitrogen first-order rates for surface layer (/DAY)
  #    #***  KDSAM     KADAM     KIMNI      KAM      KDNI      KNI     KIMAM
 22   24                    2.0     .0001       .0       6.       5.0
 32                         2.0     .0001       .0       6.       5.0
```

| | | | | | | |
|---|---|---|---|---|---|---|
| 42 | 44 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 52 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 62 | 64 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 72 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 82 | 84 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 92 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 102 | 104 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 112 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 122 | 124 | 1.8 | .0001 | .0 | 5. | 5.0 |
| 132 | | 1.8 | .0001 | .0 | 5. | 5.0 |
| 142 | 144 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 152 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 162 | 164 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 172 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 182 | 184 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 192 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 202 | 204 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 212 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 222 | 224 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 232 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 242 | 244 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 252 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 262 | 264 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 272 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 282 | 284 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 292 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 302 | 304 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 312 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 322 | 324 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 332 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 342 | 344 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 352 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 362 | 364 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 372 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 382 | 384 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 392 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 402 | 404 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 412 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 422 | 424 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 432 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 442 | 444 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 452 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 462 | 464 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 472 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 482 | 484 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 492 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 502 | 504 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 512 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 522 | 524 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 532 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 542 | 544 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 552 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 562 | 564 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 572 | | 2.0 | .0001 | .0 | 6. | 5.0 |
| 582 | 584 | 2.0 | .0001 | .0 | 6. | 5.0 |
| 592 | | 2.0 | .0001 | .0 | 6. | 5.0 |

```
602  604                  2.0    .0001      .0      6.      5.0
612                     2.0    .0001      .0      6.      5.0
622  624                  2.0    .0001      .0      6.      5.0
632                     2.0    .0001      .0      6.      5.0
642  644                  2.0    .0001      .0      6.      5.0
652                     2.0    .0001      .0      6.      5.0
662  664                  2.0    .0001      .0      6.      5.0
672                     2.0    .0001      .0      6.      5.0
END NIT-FSTPM

NIT-FSTPM
  <PLS >*** Nitrogen first-order rates for upper layer (/DAY)
  #   #***  KDSAM    KADAM    KIMNI     KAM     KDNI     KNI    KIMAM
 22   24                 0.060    .0004      .0      6.      2.0
 32                     0.060    .0008      .0      6.      2.0
 42   44                 0.060    .0004      .0      6.      2.0
 52                     0.060    .0008      .0      6.      2.0
 62   64                 0.060    .0004      .0      6.      2.0
 72                     0.060    .0008      .0      6.      2.0
 82   84                 0.060    .0004      .0      6.      2.0
 92                     0.060    .0008      .0      6.      2.0
102  104                  0.060    .0004      .0      6.      2.0
112                     0.060    .0008      .0      6.      2.0
122  124                  0.060    .0004      .0      6.      2.0
132                     0.060    .0008      .0      6.      2.0
142  144                  0.060    .0004      .0      6.      2.0
152                     0.060    .0008      .0      6.      2.0
162  164                  0.060    .0004      .0      6.      2.0
172                     0.060    .0008      .0      6.      2.0
182  184                  0.060    .0004      .0      6.      2.0
192                     0.060    .0008      .0      6.      2.0
202  204                  0.060    .0004      .0      6.      2.0
212                     0.060    .0008      .0      6.      2.0
222  224                  0.060    .0004      .0      6.      2.0
232                     0.060    .0008      .0      6.      2.0
242  244                  0.060    .0004      .0      6.      2.0
252                     0.060    .0008      .0      6.      2.0
262  264                  0.060    .0004      .0      6.      2.0
272                     0.060    .0008      .0      6.      2.0
282  284                  0.060    .0004      .0      6.      2.0
292                     0.060    .0008      .0      6.      2.0
302  304                  0.060    .0004      .0      6.      2.0
312                     0.060    .0008      .0      6.      2.0
322  324                  0.060    .0004      .0      6.      2.0
332                     0.060    .0008      .0      6.      2.0
342  344                  0.060    .0004      .0      6.      2.0
352                     0.060    .0008      .0      6.      2.0
362  364                  0.060    .0004      .0      6.      2.0
372                     0.060    .0008      .0      6.      2.0
382  384                  0.030    .0004      .0      6.      2.0
392                     0.030    .0008      .0      6.      2.0
402  404                  0.060    .0004      .0      6.      2.0
412                     0.060    .0008      .0      6.      2.0
422  424                  0.060    .0004      .0      6.      2.0
432                     0.060    .0008      .0      6.      2.0
442  444                  0.030    .0004      .0      6.      2.0
```

```
452                    0.030    .0008      .0      6.      2.0
462  464                0.030    .0004      .0      6.      2.0
472                    0.030    .0008      .0      6.      2.0
482  484                0.030    .0004      .0      6.      2.0
492                    0.030    .0008      .0      6.      2.0
502  504                0.060    .0004      .0      6.      2.0
512                    0.060    .0008      .0      6.      2.0
522  524                0.030    .0004      .0      6.      2.0
532                    0.030    .0008      .0      6.      2.0
542  544                0.060    .0004      .0      6.      2.0
552                    0.060    .0008      .0      6.      2.0
562  564                0.030    .0004      .0      6.      2.0
572                    0.030    .0008      .0      6.      2.0
582  584                0.060    .0004      .0      6.      2.0
592                    0.060    .0008      .0      6.      2.0
602  604                0.030    .0004      .0      6.      2.0
612                    0.030    .0008      .0      6.      2.0
622  624                0.060    .0004      .0      6.      2.0
632                    0.060    .0008      .0      6.      2.0
642  644                0.060    .0004      .0      6.      2.0
652                    0.060    .0008      .0      6.      2.0
662  664                0.060    .0004      .0      6.      2.0
672                    0.060    .0008      .0      6.      2.0
END NIT-FSTPM

NIT-FSTPM
  <PLS >*** Nitrogen first-order rates for lower layer (/DAY)
  #   #***  KDSAM    KADAM    KIMNI     KAM     KDNI     KNI     KIMAM
 22   24                0.12    .0006      .0      4.      .2
 32                    0.12    .0004      .0      4.      .2
 42   44                0.12    .0006      .0      4.      .2
 52                    0.12    .0004      .0      4.      .2
 62   64                0.12    .0006      .0      4.      .2
 72                    0.12    .0004      .0      4.      .2
 82   84                0.12    .0006      .0      4.      .2
 92                    0.12    .0004      .0      4.      .2
102  104                0.12    .0006      .0      4.      .2
112                    0.12    .0004      .0      4.      .2
122  124                0.12    .0006      .0      4.      .2
132                    0.12    .0004      .0      4.      .2
142  144                0.12    .0006      .0      4.      .2
152                    0.12    .0004      .0      4.      .2
162  164                0.12    .0006      .0      4.      .2
172                    0.12    .0004      .0      4.      .2
182  184                0.12    .0006      .0      4.      .2
192                    0.12    .0004      .0      4.      .2
202  204                0.12    .0006      .0      4.      .2
212                    0.12    .0004      .0      4.      .2
222  224                0.12    .0006      .0      4.      .2
232                    0.12    .0004      .0      4.      .2
242  244                0.12    .0006      .0      4.      .2
252                    0.12    .0004      .0      4.      .2
262  264                0.12    .0006      .0      4.      .2
272                    0.12    .0004      .0      4.      .2
282  284                0.12    .0006      .0      4.      .2
292                    0.12    .0004      .0      4.      .2
```

```
302  304                  0.12    .0006      .0      4.      .2
312                      0.12    .0004      .0      4.      .2
322  324                  0.12    .0006      .0      4.      .2
332                      0.12    .0004      .0      4.      .2
342  344                  0.12    .0006      .0      4.      .2
352                      0.12    .0004      .0      4.      .2
362  364                  0.12    .0006      .0      4.      .2
372                      0.12    .0004      .0      4.      .2
382  384                  0.09    .0006      .0      4.      .2
392                      0.09    .0004      .0      4.      .2
402  404                  0.12    .0006      .0      4.      .2
412                      0.12    .0004      .0      4.      .2
422  424                  0.12    .0006      .0      4.      .2
432                      0.12    .0004      .0      4.      .2
442  444                  0.09    .0006      .0      4.      .2
452                      0.09    .0004      .0      4.      .2
462  464                  0.09    .0006      .0      4.      .2
472                      0.09    .0004      .0      4.      .2
482  484                  0.09    .0006      .0      4.      .2
492                      0.09    .0004      .0      4.      .2
502  504                  0.12    .0006      .0      4.      .2
512                      0.12    .0004      .0      4.      .2
522  524                  0.09    .0006      .0      4.      .2
532                      0.09    .0004      .0      4.      .2
542  544                  0.12    .0006      .0      4.      .2
552                      0.12    .0004      .0      4.      .2
562  564                  0.09    .0006      .0      4.      .2
572                      0.09    .0004      .0      4.      .2
582  584                  0.12    .0006      .0      4.      .2
592                      0.12    .0004      .0      4.      .2
602  604                  0.09    .0006      .0      4.      .2
612                      0.09    .0004      .0      4.      .2
622  624                  0.12    .0006      .0      4.      .2
632                      0.12    .0004      .0      4.      .2
642  644                  0.12    .0006      .0      4.      .2
652                      0.12    .0004      .0      4.      .2
662  664                  0.12    .0006      .0      4.      .2
672                      0.12    .0004      .0      4.      .2
END NIT-FSTPM

NIT-FSTPM
  <PLS >*** Nitrogen first-order rates for groundwater layer (/DAY)
  #   #***  KDSAM    KADAM    KIMNI     KAM     KDNI     KNI    KIMAM
 22   24                  .0   .00000      .0      0.7      .0
 32                      .0   .00000      .0      0.7      .0
 42   44                  .0   .00000      .0      0.7      .0
 52                      .0   .00000      .0      0.7      .0
 62   64                  .0   .00000      .0      0.7      .0
 72                      .0   .00000      .0      0.7      .0
 82   84                  .0   .00000      .0      0.7      .0
 92                      .0   .00000      .0      0.7      .0
102  104                  .0   .00000      .0      0.7      .0
112                      .0   .00000      .0      0.7      .0
122  124                  .0   .00000      .0      0.7      .0
132                      .0   .00000      .0      0.7      .0
142  144                  .0   .00000      .0      0.7      .0
```

```
152                    .0   .00000     .0     0.7     .0
162  164                .0   .00000     .0     0.7     .0
172                    .0   .00000     .0     0.7     .0
182  184                .0   .00000     .0     0.7     .0
192                    .0   .00000     .0     0.7     .0
202  204                .0   .00000     .0     0.7     .0
212                    .0   .00000     .0     0.7     .0
222  224                .0   .00000     .0     0.7     .0
232                    .0   .00000     .0     0.7     .0
242  244                .0   .00000     .0     0.7     .0
252                    .0   .00000     .0     0.7     .0
262  264                .0   .00000     .0     0.7     .0
272                    .0   .00000     .0     0.7     .0
282  284                .0   .00000     .0     0.7     .0
292                    .0   .00000     .0     0.7     .0
302  304                .0   .00000     .0     0.7     .0
312                    .0   .00000     .0     0.7     .0
322  324                .0   .00000     .0     0.7     .0
332                    .0   .00000     .0     0.7     .0
342  344                .0   .00000     .0     0.7     .0
352                    .0   .00000     .0     0.7     .0
362  364                .0   .00000     .0     0.7     .0
372                    .0   .00000     .0     0.7     .0
382  384                .0   .00000     .0     0.7     .0
392                    .0   .00000     .0     0.7     .0
402  404                .0   .00000     .0     0.7     .0
412                    .0   .00000     .0     0.7     .0
422  424                .0   .00000     .0     0.7     .0
432                    .0   .00000     .0     0.7     .0
442  444                .0   .00000     .0     0.7     .0
452                    .0   .00000     .0     0.7     .0
462  464                .0   .00000     .0     0.7     .0
472                    .0   .00000     .0     0.7     .0
482  484                .0   .00000     .0     0.7     .0
492                    .0   .00000     .0     0.7     .0
502  504                .0   .00000     .0     0.7     .0
512                    .0   .00000     .0     0.7     .0
522  524                .0   .00000     .0     0.7     .0
532                    .0   .00000     .0     0.7     .0
542  544                .0   .00000     .0     0.7     .0
552                    .0   .00000     .0     0.7     .0
562  564                .0   .00000     .0     0.7     .0
572                    .0   .00000     .0     0.7     .0
582  584                .0   .00000     .0     0.7     .0
592                    .0   .00000     .0     0.7     .0
602  604                .0   .00000     .0     0.7     .0
612                    .0   .00000     .0     0.7     .0
622  624                .0   .00000     .0     0.7     .0
632                    .0   .00000     .0     0.7     .0
642  644                .0   .00000     .0     0.7     .0
652                    .0   .00000     .0     0.7     .0
662  664                .0   .00000     .0     0.7     .0
672                    .0   .00000     .0     0.7     .0
END NIT-FSTPM
```

*** Single-valued Freundlich adsorption of ammonium

NIT-CMAX

<PLS > Maximum solubility of ammonium ***

| # | # | CMAX (PPM) *** |
|---|---|---|
| 22 | 24 | 5000. |
| 32 | | 5000. |
| 42 | 44 | 5000. |
| 52 | | 5000. |
| 62 | 64 | 5000. |
| 72 | | 5000. |
| 82 | 84 | 5000. |
| 92 | | 5000. |
| 102 | 104 | 5000. |
| 112 | | 5000. |
| 122 | 124 | 5000. |
| 132 | | 5000. |
| 142 | 144 | 5000. |
| 152 | | 5000. |
| 162 | 164 | 5000. |
| 172 | | 5000. |
| 182 | 184 | 5000. |
| 192 | | 5000. |
| 202 | 204 | 5000. |
| 212 | | 5000. |
| 222 | 224 | 5000. |
| 232 | | 5000. |
| 242 | 244 | 5000. |
| 252 | | 5000. |
| 262 | 264 | 5000. |
| 272 | | 5000. |
| 282 | 284 | 5000. |
| 292 | | 5000. |
| 302 | 304 | 5000. |
| 312 | | 5000. |
| 322 | 324 | 5000. |
| 332 | | 5000. |
| 342 | 344 | 5000. |
| 352 | | 5000. |
| 362 | 364 | 5000. |
| 372 | | 5000. |
| 382 | 384 | 5000. |
| 392 | | 5000. |
| 402 | 404 | 5000. |
| 412 | | 5000. |
| 422 | 424 | 5000. |
| 432 | | 5000. |
| 442 | 444 | 5000. |
| 452 | | 5000. |
| 462 | 464 | 5000. |
| 472 | | 5000. |
| 482 | 484 | 5000. |
| 492 | | 5000. |
| 502 | 504 | 5000. |
| 512 | | 5000. |
| 522 | 524 | 5000. |

```
 532        5000.
 542  544    5000.
 552        5000.
 562  564    5000.
 572        5000.
 582  584    5000.
 592        5000.
 602  604    5000.
 612        5000.
 622  624    5000.
 632        5000.
 642  644    5000.
 652        5000.
 662  664    5000.
 672        5000.
 END NIT-CMAX

 NIT-SVALPM
***        Freundlich parameters for surface layer
*** <PLS >      XFIX        K1        N1
*** #    #     (PPM)
  22   24       10.       1.0      1.50
  32            10.       1.0      1.50
  42   44       10.       1.0      1.50
  52            10.       1.0      1.50
  62   64       10.       1.0      1.50
  72            10.       1.0      1.50
  82   84       10.       1.0      1.50
  92            10.       1.0      1.50
 102  104       10.       1.0      1.50
 112            10.       1.0      1.50
 122  124       10.       1.0      1.50
 132            10.       1.0      1.50
 142  144       10.       1.0      1.50
 152            10.       1.0      1.50
 162  164       10.       1.0      1.50
 172            10.       1.0      1.50
 182  184       10.       1.0      1.50
 192            10.       1.0      1.50
 202  204       10.       1.0      1.50
 212            10.       1.0      1.50
 222  224       10.       1.0      1.50
 232            10.       1.0      1.50
 242  244       10.       1.0      1.50
 252            10.       1.0      1.50
 262  264       10.       1.0      1.50
 272            10.       1.0      1.50
 282  284       10.       1.0      1.50
 292            10.       1.0      1.50
 302  304       10.       1.0      1.50
 312            10.       1.0      1.50
 322  324       10.       1.0      1.50
 332            10.       1.0      1.50
 342  344       10.       1.0      1.50
 352            10.       1.0      1.50
 362  364       10.       1.0      1.50
```

```
 372          10.      1.0      1.50
 382  384      10.      1.0      1.50
 392          10.      1.0      1.50
 402  404      10.      1.0      1.50
 412          10.      1.0      1.50
 422  424      10.      1.0      1.50
 432          10.      1.0      1.50
 442  444      10.      1.0      1.50
 452          10.      1.0      1.50
 462  464      10.      1.0      1.50
 472          10.      1.0      1.50
 482  484      10.      1.0      1.50
 492          10.      1.0      1.50
 502  504      10.      1.0      1.50
 512          10.      1.0      1.50
 522  524      10.      1.0      1.50
 532          10.      1.0      1.50
 542  544      10.      1.0      1.50
 552          10.      1.0      1.50
 562  564      10.      1.0      1.50
 572          10.      1.0      1.50
 582  584      10.      1.0      1.50
 592          10.      1.0      1.50
 602  604      10.      1.0      1.50
 612          10.      1.0      1.50
 622  624      10.      1.0      1.50
 632          10.      1.0      1.50
 642  644      10.      1.0      1.50
 652          10.      1.0      1.50
 662  664      10.      1.0      1.50
 672          10.      1.0      1.50
 END NIT-SVALPM

 NIT-SVALPM
***        Freundlich parameters for upper layer
*** <PLS >      XFIX        K1        N1
*** #    #     (PPM)
  22   24      10.      1.0      1.20
  32          10.      1.0      1.20
  42   44      10.      1.0      1.20
  52          10.      1.0      1.20
  62   64      10.      1.0      1.20
  72          10.      1.0      1.20
  82   84      10.      1.0      1.20
  92          10.      1.0      1.20
 102  104      10.      1.0      1.20
 112          10.      1.0      1.20
 122  124      10.      1.0      1.20
 132          10.      1.0      1.20
 142  144      10.      1.0      1.20
 152          10.      1.0      1.20
 162  164      10.      1.0      1.20
 172          10.      1.0      1.20
 182  184      10.      1.0      1.20
 192          10.      1.0      1.20
 202  204      10.      1.0      1.20
```

```
212          10.      1.0      1.20
222  224      10.      1.0      1.20
232          10.      1.0      1.20
242  244      10.      1.0      1.20
252          10.      1.0      1.20
262  264      10.      1.0      1.20
272          10.      1.0      1.20
282  284      10.      1.0      1.20
292          10.      1.0      1.20
302  304      10.      1.0      1.20
312          10.      1.0      1.20
322  324      10.      1.0      1.20
332          10.      1.0      1.20
342  344      10.      1.0      1.20
352          10.      1.0      1.20
362  364      10.      1.0      1.20
372          10.      1.0      1.20
382  384      10.      1.0      1.20
392          10.      1.0      1.20
402  404      10.      1.0      1.20
412          10.      1.0      1.20
422  424      10.      1.0      1.20
432          10.      1.0      1.20
442  444      10.      1.0      1.20
452          10.      1.0      1.20
462  464      10.      1.0      1.20
472          10.      1.0      1.20
482  484      10.      1.0      1.20
492          10.      1.0      1.20
502  504      10.      1.0      1.20
512          10.      1.0      1.20
522  524      10.      1.0      1.20
532          10.      1.0      1.20
542  544      10.      1.0      1.20
552          10.      1.0      1.20
562  564      10.      1.0      1.20
572          10.      1.0      1.20
582  584      10.      1.0      1.20
592          10.      1.0      1.20
602  604      10.      1.0      1.20
612          10.      1.0      1.20
622  624      10.      1.0      1.20
632          10.      1.0      1.20
642  644      10.      1.0      1.20
652          10.      1.0      1.20
662  664      10.      1.0      1.20
672          10.      1.0      1.20
END NIT-SVALPM

NIT-SVALPM
***        Freundlich parameters for lower layer
*** <PLS >      XFIX        K1        N1
*** #    #     (PPM)
 22   24        .7       0.5      1.20
 32            .7       0.5      1.20
 42   44        .7       0.5      1.20
```

| | | | | |
|---|---|---|---|---|
| 52 | | .7 | 0.5 | 1.20 |
| 62 | 64 | .7 | 0.5 | 1.20 |
| 72 | | .7 | 0.5 | 1.20 |
| 82 | 84 | .7 | 0.5 | 1.20 |
| 92 | | .7 | 0.5 | 1.20 |
| 102 | 104 | .7 | 0.5 | 1.20 |
| 112 | | .7 | 0.5 | 1.20 |
| 122 | 124 | .7 | 0.5 | 1.20 |
| 132 | | .7 | 0.5 | 1.20 |
| 142 | 144 | .7 | 0.5 | 1.20 |
| 152 | | .7 | 0.5 | 1.20 |
| 162 | 164 | .7 | 0.5 | 1.20 |
| 172 | | .7 | 0.5 | 1.20 |
| 182 | 184 | .7 | 0.5 | 1.20 |
| 192 | | .7 | 0.5 | 1.20 |
| 202 | 204 | .7 | 0.5 | 1.20 |
| 212 | | .7 | 0.5 | 1.20 |
| 222 | 224 | .7 | 0.5 | 1.20 |
| 232 | | .7 | 0.5 | 1.20 |
| 242 | 244 | .7 | 0.5 | 1.20 |
| 252 | | .7 | 0.5 | 1.20 |
| 262 | 264 | .7 | 0.5 | 1.20 |
| 272 | | .7 | 0.5 | 1.20 |
| 282 | 284 | .7 | 0.5 | 1.20 |
| 292 | | .7 | 0.5 | 1.20 |
| 302 | 304 | .7 | 0.5 | 1.20 |
| 312 | | .7 | 0.5 | 1.20 |
| 322 | 324 | .7 | 0.5 | 1.20 |
| 332 | | .7 | 0.5 | 1.20 |
| 342 | 344 | .7 | 0.5 | 1.20 |
| 352 | | .7 | 0.5 | 1.20 |
| 362 | 364 | .7 | 0.5 | 1.20 |
| 372 | | .7 | 0.5 | 1.20 |
| 382 | 384 | .7 | 0.5 | 1.20 |
| 392 | | .7 | 0.5 | 1.20 |
| 402 | 404 | .7 | 0.5 | 1.20 |
| 412 | | .7 | 0.5 | 1.20 |
| 422 | 424 | .7 | 0.5 | 1.20 |
| 432 | | .7 | 0.5 | 1.20 |
| 442 | 444 | .7 | 0.5 | 1.20 |
| 452 | | .7 | 0.5 | 1.20 |
| 462 | 464 | .7 | 0.5 | 1.20 |
| 472 | | .7 | 0.5 | 1.20 |
| 482 | 484 | .7 | 0.5 | 1.20 |
| 492 | | .7 | 0.5 | 1.20 |
| 502 | 504 | .7 | 0.5 | 1.20 |
| 512 | | .7 | 0.5 | 1.20 |
| 522 | 524 | .7 | 0.5 | 1.20 |
| 532 | | .7 | 0.5 | 1.20 |
| 542 | 544 | .7 | 0.5 | 1.20 |
| 552 | | .7 | 0.5 | 1.20 |
| 562 | 564 | .7 | 0.5 | 1.20 |
| 572 | | .7 | 0.5 | 1.20 |
| 582 | 584 | .7 | 0.5 | 1.20 |
| 592 | | .7 | 0.5 | 1.20 |
| 602 | 604 | .7 | 0.5 | 1.20 |

```
 612          .7      0.5     1.20
 622  624      .7      0.5     1.20
 632          .7      0.5     1.20
 642  644      .7      0.5     1.20
 652          .7      0.5     1.20
 662  664      .7      0.5     1.20
 672          .7      0.5     1.20
 END NIT-SVALPM

 NIT-SVALPM
***        Freundlich parameters for groundwater layer
*** <PLS >      XFIX        K1        N1
*** #    #     (PPM)
  22   24      .3      0.5     1.10
  32          .3      0.5     1.10
  42   44      .3      0.5     1.10
  52          .3      0.5     1.10
  62   64      .3      0.5     1.10
  72          .3      0.5     1.10
  82   84      .3      0.5     1.10
  92          .3      0.5     1.10
 102  104      .3      0.5     1.10
 112          .3      0.5     1.10
 122  124      .3      0.5     1.10
 132          .3      0.5     1.10
 142  144      .3      0.5     1.10
 152          .3      0.5     1.10
 162  164      .3      0.5     1.10
 172          .3      0.5     1.10
 182  184      .3      0.5     1.10
 192          .3      0.5     1.10
 202  204      .3      0.5     1.10
 212          .3      0.5     1.10
 222  224      .3      0.5     1.10
 232          .3      0.5     1.10
 242  244      .3      0.5     1.10
 252          .3      0.5     1.10
 262  264      .3      0.5     1.10
 272          .3      0.5     1.10
 282  284      .3      0.5     1.10
 292          .3      0.5     1.10
 302  304      .3      0.5     1.10
 312          .3      0.5     1.10
 322  324      .3      0.5     1.10
 332          .3      0.5     1.10
 342  344      .3      0.5     1.10
 352          .3      0.5     1.10
 362  364      .3      0.5     1.10
 372          .3      0.5     1.10
 382  384      .3      0.5     1.10
 392          .3      0.5     1.10
 402  404      .3      0.5     1.10
 412          .3      0.5     1.10
 422  424      .3      0.5     1.10
 432          .3      0.5     1.10
 442  444      .3      0.5     1.10
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452          .3      0.5     1.10
462  464       .3      0.5     1.10
472          .3      0.5     1.10
482  484       .3      0.5     1.10
492          .3      0.5     1.10
502  504       .3      0.5     1.10
512          .3      0.5     1.10
522  524       .3      0.5     1.10
532          .3      0.5     1.10
542  544       .3      0.5     1.10
552          .3      0.5     1.10
562  564       .3      0.5     1.10
572          .3      0.5     1.10
582  584       .3      0.5     1.10
592          .3      0.5     1.10
602  604       .3      0.5     1.10
612          .3      0.5     1.10
622  624       .3      0.5     1.10
632          .3      0.5     1.10
642  644       .3      0.5     1.10
652          .3      0.5     1.10
662  664       .3      0.5     1.10
672          .3      0.5     1.10
END NIT-SVALPM

*** Detailed organic nitrogen partition coefficients and transformation rate
*** the defaults set all organic N to labile particulate (dissolved=0; refractory=0)
*** defaults:
NIT-ORGPM
  <PLS >    Organic N transformation parameters for surface layer   ***
  x -  x     KLON      KRON      KONLR     THNLR  ***
  22   24    1.E20     1.E20      0.0      1.07
  32        1.E20     1.E20      0.0      1.07
  42   44    1.E20     1.E20      0.0      1.07
  52        1.E20     1.E20      0.0      1.07
  62   64    1.E20     1.E20      0.0      1.07
  72        1.E20     1.E20      0.0      1.07
  82   84    1.E20     1.E20      0.0      1.07
  92        1.E20     1.E20      0.0      1.07
 102  104    1.E20     1.E20      0.0      1.07
 112        1.E20     1.E20      0.0      1.07
 122  124    1.E20     1.E20      0.0      1.07
 132        1.E20     1.E20      0.0      1.07
 142  144    1.E20     1.E20      0.0      1.07
 152        1.E20     1.E20      0.0      1.07
 162  164    1.E20     1.E20      0.0      1.07
 172        1.E20     1.E20      0.0      1.07
 182  184    1.E20     1.E20      0.0      1.07
 192        1.E20     1.E20      0.0      1.07
 202  204    1.E20     1.E20      0.0      1.07
 212        1.E20     1.E20      0.0      1.07
 222  224    1.E20     1.E20      0.0      1.07
 232        1.E20     1.E20      0.0      1.07
 242  244    1.E20     1.E20      0.0      1.07
 252        1.E20     1.E20      0.0      1.07
 262  264    1.E20     1.E20      0.0      1.07
```

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272        1.E20    1.E20      0.0     1.07
282  284    1.E20    1.E20      0.0     1.07
292        1.E20    1.E20      0.0     1.07
302  304    1.E20    1.E20      0.0     1.07
312        1.E20    1.E20      0.0     1.07
322  324    1.E20    1.E20      0.0     1.07
332        1.E20    1.E20      0.0     1.07
342  344    1.E20    1.E20      0.0     1.07
352        1.E20    1.E20      0.0     1.07
362  364    1.E20    1.E20      0.0     1.07
372        1.E20    1.E20      0.0     1.07
382  384    1.E20    1.E20      0.0     1.07
392        1.E20    1.E20      0.0     1.07
402  404    1.E20    1.E20      0.0     1.07
412        1.E20    1.E20      0.0     1.07
422  424    1.E20    1.E20      0.0     1.07
432        1.E20    1.E20      0.0     1.07
442  444    1.E20    1.E20      0.0     1.07
452        1.E20    1.E20      0.0     1.07
462  464    1.E20    1.E20      0.0     1.07
472        1.E20    1.E20      0.0     1.07
482  484    1.E20    1.E20      0.0     1.07
492        1.E20    1.E20      0.0     1.07
502  504    1.E20    1.E20      0.0     1.07
512        1.E20    1.E20      0.0     1.07
522  524    1.E20    1.E20      0.0     1.07
532        1.E20    1.E20      0.0     1.07
542  544    1.E20    1.E20      0.0     1.07
552        1.E20    1.E20      0.0     1.07
562  564    1.E20    1.E20      0.0     1.07
572        1.E20    1.E20      0.0     1.07
582  584    1.E20    1.E20      0.0     1.07
592        1.E20    1.E20      0.0     1.07
602  604    1.E20    1.E20      0.0     1.07
612        1.E20    1.E20      0.0     1.07
622  624    1.E20    1.E20      0.0     1.07
632        1.E20    1.E20      0.0     1.07
642  644    1.E20    1.E20      0.0     1.07
652        1.E20    1.E20      0.0     1.07
662  664    1.E20    1.E20      0.0     1.07
672        1.E20    1.E20      0.0     1.07
END NIT-ORGPM

NIT-ORGPM
 <PLS >    Organic N transformation parameters for upper layer      ***
 x -  x     KLON      KRON      KONLR     THNLR  ***
 22   24    1.E20     1.E20      0.0      1.07
 32        1.E20     1.E20      0.0      1.07
 42   44    1.E20     1.E20      0.0      1.07
 52        1.E20     1.E20      0.0      1.07
 62   64    1.E20     1.E20      0.0      1.07
 72        1.E20     1.E20      0.0      1.07
 82   84    1.E20     1.E20      0.0      1.07
 92        1.E20     1.E20      0.0      1.07
102  104    1.E20     1.E20      0.0      1.07
112         1.E20     1.E20      0.0      1.07
```

| | | | | | |
|---|---|---|---|---|---|
| 122 | 124 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 132 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 142 | 144 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 152 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 162 | 164 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 172 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 182 | 184 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 192 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 202 | 204 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 212 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 222 | 224 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 232 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 242 | 244 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 252 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 262 | 264 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 272 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 282 | 284 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 292 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 302 | 304 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 312 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 322 | 324 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 332 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 342 | 344 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 352 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 362 | 364 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 372 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 382 | 384 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 392 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 402 | 404 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 412 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 422 | 424 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 432 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 442 | 444 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 452 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 462 | 464 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 472 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 482 | 484 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 492 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 502 | 504 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 512 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 522 | 524 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 532 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 542 | 544 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 552 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 562 | 564 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 572 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 582 | 584 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 592 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 602 | 604 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 612 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 622 | 624 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 632 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 642 | 644 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 652 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 662 | 664 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 672 | | 1.E20 | 1.E20 | 0.0 | 1.07 |

END NIT-ORGPM

NIT-ORGPM
<PLS > Organic N transformation parameters for lower layer ***

| x - | x | KLON | KRON | KONLR | THNLR *** |
|---|---|---|---|---|---|
| 22 | 24 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 32 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 42 | 44 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 52 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 62 | 64 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 72 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 82 | 84 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 92 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 102 | 104 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 112 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 122 | 124 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 132 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 142 | 144 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 152 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 162 | 164 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 172 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 182 | 184 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 192 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 202 | 204 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 212 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 222 | 224 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 232 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 242 | 244 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 252 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 262 | 264 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 272 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 282 | 284 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 292 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 302 | 304 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 312 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 322 | 324 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 332 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 342 | 344 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 352 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 362 | 364 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 372 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 382 | 384 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 392 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 402 | 404 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 412 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 422 | 424 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 432 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 442 | 444 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 452 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 462 | 464 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 472 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 482 | 484 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 492 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 502 | 504 | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 512 | | 1.E20 | 1.E20 | 0.0 | 1.07 |
| 522 | 524 | 1.E20 | 1.E20 | 0.0 | 1.07 |

```
532        1.E20    1.E20      0.0     1.07
542  544    1.E20    1.E20      0.0     1.07
552        1.E20    1.E20      0.0     1.07
562  564    1.E20    1.E20      0.0     1.07
572        1.E20    1.E20      0.0     1.07
582  584    1.E20    1.E20      0.0     1.07
592        1.E20    1.E20      0.0     1.07
602  604    1.E20    1.E20      0.0     1.07
612        1.E20    1.E20      0.0     1.07
622  624    1.E20    1.E20      0.0     1.07
632        1.E20    1.E20      0.0     1.07
642  644    1.E20    1.E20      0.0     1.07
652        1.E20    1.E20      0.0     1.07
662  664    1.E20    1.E20      0.0     1.07
672        1.E20    1.E20      0.0     1.07
END NIT-ORGPM

NIT-ORGPM
 <PLS >    Organic N transformation parameters for active gw layer ***
 x -  x     KLON      KRON      KONLR     THNLR  ***
 22   24    1.E20     1.E20      0.0      1.07
 32        1.E20     1.E20      0.0      1.07
 42   44    1.E20     1.E20      0.0      1.07
 52        1.E20     1.E20      0.0      1.07
 62   64    1.E20     1.E20      0.0      1.07
 72        1.E20     1.E20      0.0      1.07
 82   84    1.E20     1.E20      0.0      1.07
 92        1.E20     1.E20      0.0      1.07
102  104    1.E20     1.E20      0.0      1.07
112        1.E20     1.E20      0.0      1.07
122  124    1.E20     1.E20      0.0      1.07
132        1.E20     1.E20      0.0      1.07
142  144    1.E20     1.E20      0.0      1.07
152        1.E20     1.E20      0.0      1.07
162  164    1.E20     1.E20      0.0      1.07
172        1.E20     1.E20      0.0      1.07
182  184    1.E20     1.E20      0.0      1.07
192        1.E20     1.E20      0.0      1.07
202  204    1.E20     1.E20      0.0      1.07
212        1.E20     1.E20      0.0      1.07
222  224    1.E20     1.E20      0.0      1.07
232        1.E20     1.E20      0.0      1.07
242  244    1.E20     1.E20      0.0      1.07
252        1.E20     1.E20      0.0      1.07
262  264    1.E20     1.E20      0.0      1.07
272        1.E20     1.E20      0.0      1.07
282  284    1.E20     1.E20      0.0      1.07
292        1.E20     1.E20      0.0      1.07
302  304    1.E20     1.E20      0.0      1.07
312        1.E20     1.E20      0.0      1.07
322  324    1.E20     1.E20      0.0      1.07
332        1.E20     1.E20      0.0      1.07
342  344    1.E20     1.E20      0.0      1.07
352        1.E20     1.E20      0.0      1.07
362  364    1.E20     1.E20      0.0      1.07
372        1.E20     1.E20      0.0      1.07
```

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382  384    1.E20    1.E20     0.0     1.07
392        1.E20    1.E20     0.0     1.07
402  404    1.E20    1.E20     0.0     1.07
412        1.E20    1.E20     0.0     1.07
422  424    1.E20    1.E20     0.0     1.07
432        1.E20    1.E20     0.0     1.07
442  444    1.E20    1.E20     0.0     1.07
452        1.E20    1.E20     0.0     1.07
462  464    1.E20    1.E20     0.0     1.07
472        1.E20    1.E20     0.0     1.07
482  484    1.E20    1.E20     0.0     1.07
492        1.E20    1.E20     0.0     1.07
502  504    1.E20    1.E20     0.0     1.07
512        1.E20    1.E20     0.0     1.07
522  524    1.E20    1.E20     0.0     1.07
532        1.E20    1.E20     0.0     1.07
542  544    1.E20    1.E20     0.0     1.07
552        1.E20    1.E20     0.0     1.07
562  564    1.E20    1.E20     0.0     1.07
572        1.E20    1.E20     0.0     1.07
582  584    1.E20    1.E20     0.0     1.07
592        1.E20    1.E20     0.0     1.07
602  604    1.E20    1.E20     0.0     1.07
612        1.E20    1.E20     0.0     1.07
622  624    1.E20    1.E20     0.0     1.07
632        1.E20    1.E20     0.0     1.07
642  644    1.E20    1.E20     0.0     1.07
652        1.E20    1.E20     0.0     1.07
662  664    1.E20    1.E20     0.0     1.07
672        1.E20    1.E20     0.0     1.07
END NIT-ORGPM

*** Plant N return rates

MON-NPRETBG
  <PLS >  Return rates for below-ground plant N in surface layer (/day) ***
  #   # JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC    ***
 22  24  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 32      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 42  44  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 52      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 62  64  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 72      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 82  84  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 92      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
102 104  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
112      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
122 124  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
132      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
142 144  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
152      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
162 164  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
172      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
182 184  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
192      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
202 204  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
```

```
212      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
222  224  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
232      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
242  244  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
252      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
262  264  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
272      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
282  284  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
292      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
302  304  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
312      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
322  324  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
332      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
342  344  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
352      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
362  364  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
372      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
382  384  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
392      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
402  404  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
412      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
422  424  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
432      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
442  444  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
452      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
462  464  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
472      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
482  484  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
492      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
502  504  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
512      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
522  524  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
532      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
542  544  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
552      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
562  564  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
572      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
582  584  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
592      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
602  604  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
612      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
622  624  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
632      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
642  644  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
652      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
662  664  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
672      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
END MON-NPRETBG

MON-NPRETBG
 <PLS >  Return rates for below-ground plant N in upper layer (/day)   ***
 #   # JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC    ***
 22  24  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 32      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 42  44  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 52      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
```

62 64 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
72 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
82 84 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
92 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
102 104 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
112 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
122 124 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
132 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
142 144 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
152 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
162 164 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
172 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
182 184 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
192 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
202 204 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
212 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
222 224 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
232 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
242 244 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
252 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
262 264 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
272 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
282 284 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
292 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
302 304 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
312 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
322 324 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
332 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
342 344 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
352 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
362 364 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
372 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
382 384 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
392 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
402 404 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
412 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
422 424 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
432 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
442 444 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
452 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
462 464 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
472 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
482 484 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
492 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
502 504 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
512 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
522 524 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
532 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
542 544 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
552 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
562 564 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
572 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
582 584 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
592 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
602 604 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
612 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

```
622  624  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
632       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
642  644  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
652       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
662  664  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
672       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
END MON-NPRETBG

MON-NPRETBG
 <PLS >  Return rates for below-ground plant N in lower layer (/day)   ***
 #   # JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC    ***
 22   24  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 32       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 42   44  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 52       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 62   64  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 72       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 82   84  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
 92       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
102  104  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
112       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
122  124  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
132       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
142  144  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
152       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
162  164  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
172       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
182  184  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
192       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
202  204  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
212       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
222  224  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
232       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
242  244  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
252       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
262  264  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
272       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
282  284  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
292       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
302  304  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
312       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
322  324  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
332       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
342  344  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
352       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
362  364  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
372       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
382  384  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
392       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
402  404  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
412       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
422  424  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
432       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
442  444  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
452       0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
462  464  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
```

```
472      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
482  484  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
492      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
502  504  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
512      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
522  524  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
532      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
542  544  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
552      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
562  564  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
572      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
582  584  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
592      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
602  604  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
612      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
622  624  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
632      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
642  644  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
652      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
662  664  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
672      0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
END MON-NPRETBG

MON-NPRETBG
 <PLS >  Return rates for below-ground plant N in active GW layer (/day)***
 #   # JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC     ***
 22  24  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
 32      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
 42  44  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
 52      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
 62  64  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
 72      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
 82  84  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
 92      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
102  104  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
112      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
122  124  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
132      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
142  144  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
152      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
162  164  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
172      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
182  184  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
192      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
202  204  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
212      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
222  224  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
232      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
242  244  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
252      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
262  264  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
272      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
282  284  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
292      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
302  304  0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
312      0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
```

```
322 324  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
332      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
342 344  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
352      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
362 364  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
372      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
382 384  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
392      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
402 404  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
412      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
422 424  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
432      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
442 444  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
452      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
462 464  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
472      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
482 484  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
492      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
502 504  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
512      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
522 524  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
532      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
542 544  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
552      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
562 564  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
572      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
582 584  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
592      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
602 604  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
612      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
622 624  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
632      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
642 644  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
652      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
662 664  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
672      0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.  0.
END MON-NPRETBG

*** set these values to 0.0 since we assume all organic N is labile
MON-NPRETFBG
  <PLS >  Monthly refractory fractions for below-ground plant N return ***
 #   # JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 22  24  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 32      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 42  44  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 52      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 62  64  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 72      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 82  84  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 92      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
102 104  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
112      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
122 124  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
132      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
142 144  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
152      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
```

```
162 164  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
172      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
182 184  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
192      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
202 204  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
212      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
222 224  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
232      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
242 244  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
252      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
262 264  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
272      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
282 284  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
292      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
302 304  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
312      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
322 324  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
332      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
342 344  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
352      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
362 364  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
372      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
382 384  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
392      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
402 404  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
412      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
422 424  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
432      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
442 444  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
452      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
462 464  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
472      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
482 484  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
492      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
502 504  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
512      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
522 524  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
532      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
542 544  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
552      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
562 564  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
572      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
582 584  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
592      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
602 604  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
612      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
622 624  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
632      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
642 644  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
652      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
662 664  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
672      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
END MON-NPRETFBG
```

*** Initial storages of nitrogen species in the soil

NIT-STOR1

<PLS > Initial storage of N forms in surface layer (LB/AC) ***

| # | # | LORGN | AMAD | AMSU | NO3 | PLTN | RORGN *** |
|---|---|---|---|---|---|---|---|
| 22 | 24 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 32 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 42 | 44 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 52 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 62 | 64 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 72 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 82 | 84 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 92 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 102 | 104 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 112 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 122 | 124 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 132 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 142 | 144 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 152 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 162 | 164 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 172 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 182 | 184 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 192 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 202 | 204 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 212 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 222 | 224 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 232 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 242 | 244 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 252 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 262 | 264 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 272 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 282 | 284 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 292 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 302 | 304 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 312 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 322 | 324 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 332 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 342 | 344 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 352 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 362 | 364 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 372 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 382 | 384 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 392 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 402 | 404 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 412 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 422 | 424 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 432 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 442 | 444 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 452 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 462 | 464 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 472 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 482 | 484 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 492 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 502 | 504 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 512 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 522 | 524 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 532 | | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |
| 542 | 544 | 150. | 1.00 | 0.03 | 0.3 | 0.0 | 0.0 |

```
552          150.    1.00    0.03    0.3    0.0    0.0
562  564     150.    1.00    0.03    0.3    0.0    0.0
572          150.    1.00    0.03    0.3    0.0    0.0
582  584     150.    1.00    0.03    0.3    0.0    0.0
592          150.    1.00    0.03    0.3    0.0    0.0
602  604     150.    1.00    0.03    0.3    0.0    0.0
612          150.    1.00    0.03    0.3    0.0    0.0
622  624     150.    1.00    0.03    0.3    0.0    0.0
632          150.    1.00    0.03    0.3    0.0    0.0
642  644     150.    1.00    0.03    0.3    0.0    0.0
652          150.    1.00    0.03    0.3    0.0    0.0
662  664     150.    1.00    0.03    0.3    0.0    0.0
672          150.    1.00    0.03    0.3    0.0    0.0
END NIT-STOR1

NIT-STOR1
 <PLS > Initial storage of N forms in upper layer (LB/AC)          ***
 #   #    LORGN    AMAD    AMSU    NO3    PLTN    RORGN ***
 22  24    500.     5.0    0.50    2.0     0.     0.0
 32        500.     5.0    0.50    2.0     0.     0.0
 42  44    500.     5.0    0.50    2.0     0.     0.0
 52        500.     5.0    0.50    2.0     0.     0.0
 62  64    500.     5.0    0.50    2.0     0.     0.0
 72        500.     5.0    0.50    2.0     0.     0.0
 82  84    500.     5.0    0.50    2.0     0.     0.0
 92        500.     5.0    0.50    2.0     0.     0.0
102  104   500.     5.0    0.50    2.0     0.     0.0
112        500.     5.0    0.50    2.0     0.     0.0
122  124   500.     5.0    0.50    2.0     0.     0.0
132        500.     5.0    0.50    2.0     0.     0.0
142  144   500.     5.0    0.50    2.0     0.     0.0
152        500.     5.0    0.50    2.0     0.     0.0
162  164   500.     5.0    0.50    2.0     0.     0.0
172        500.     5.0    0.50    2.0     0.     0.0
182  184   500.     5.0    0.50    2.0     0.     0.0
192        500.     5.0    0.50    2.0     0.     0.0
202  204   500.     5.0    0.50    2.0     0.     0.0
212        500.     5.0    0.50    2.0     0.     0.0
222  224   500.     5.0    0.50    2.0     0.     0.0
232        500.     5.0    0.50    2.0     0.     0.0
242  244   500.     5.0    0.50    2.0     0.     0.0
252        500.     5.0    0.50    2.0     0.     0.0
262  264   500.     5.0    0.50    2.0     0.     0.0
272        500.     5.0    0.50    2.0     0.     0.0
282  284   500.     5.0    0.50    2.0     0.     0.0
292        500.     5.0    0.50    2.0     0.     0.0
302  304   500.     5.0    0.50    2.0     0.     0.0
312        500.     5.0    0.50    2.0     0.     0.0
322  324   500.     5.0    0.50    2.0     0.     0.0
332        500.     5.0    0.50    2.0     0.     0.0
342  344   500.     5.0    0.50    2.0     0.     0.0
352        500.     5.0    0.50    2.0     0.     0.0
362  364   500.     5.0    0.50    2.0     0.     0.0
372        500.     5.0    0.50    2.0     0.     0.0
382  384   500.     5.0    0.50    2.0     0.     0.0
392        500.     5.0    0.50    2.0     0.     0.0
```

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402  404     500.     5.0     0.50     2.0      0.     0.0
412          500.     5.0     0.50     2.0      0.     0.0
422  424     500.     5.0     0.50     2.0      0.     0.0
432          500.     5.0     0.50     2.0      0.     0.0
442  444     500.     5.0     0.50     2.0      0.     0.0
452          500.     5.0     0.50     2.0      0.     0.0
462  464     500.     5.0     0.50     2.0      0.     0.0
472          500.     5.0     0.50     2.0      0.     0.0
482  484     500.     5.0     0.50     2.0      0.     0.0
492          500.     5.0     0.50     2.0      0.     0.0
502  504     500.     5.0     0.50     2.0      0.     0.0
512          500.     5.0     0.50     2.0      0.     0.0
522  524     500.     5.0     0.50     2.0      0.     0.0
532          500.     5.0     0.50     2.0      0.     0.0
542  544     500.     5.0     0.50     2.0      0.     0.0
552          500.     5.0     0.50     2.0      0.     0.0
562  564     500.     5.0     0.50     2.0      0.     0.0
572          500.     5.0     0.50     2.0      0.     0.0
582  584     500.     5.0     0.50     2.0      0.     0.0
592          500.     5.0     0.50     2.0      0.     0.0
602  604     500.     5.0     0.50     2.0      0.     0.0
612          500.     5.0     0.50     2.0      0.     0.0
622  624     500.     5.0     0.50     2.0      0.     0.0
632          500.     5.0     0.50     2.0      0.     0.0
642  644     500.     5.0     0.50     2.0      0.     0.0
652          500.     5.0     0.50     2.0      0.     0.0
662  664     500.     5.0     0.50     2.0      0.     0.0
672          500.     5.0     0.50     2.0      0.     0.0
END NIT-STOR1

NIT-STOR1
 <PLS > Initial storage of N forms in lower layer (LB/AC)          ***
 #   #    LORGN     AMAD     AMSU     NO3     PLTN     RORGN ***
 22  24    1200.     5.0      1.0      8.      0.0      0.0
 32        1200.     5.0      1.0      8.      0.0      0.0
 42  44    1200.     5.0      1.0      8.      0.0      0.0
 52        1200.     5.0      1.0      8.      0.0      0.0
 62  64    1200.     5.0      1.0      8.      0.0      0.0
 72        1200.     5.0      1.0      8.      0.0      0.0
 82  84    1200.     5.0      1.0      8.      0.0      0.0
 92        1200.     5.0      1.0      8.      0.0      0.0
102  104   1200.     5.0      1.0      8.      0.0      0.0
112        1200.     5.0      1.0      8.      0.0      0.0
122  124   1200.     5.0      1.0      8.      0.0      0.0
132        1200.     5.0      1.0      8.      0.0      0.0
142  144   1200.     5.0      1.0      8.      0.0      0.0
152        1200.     5.0      1.0      8.      0.0      0.0
162  164   1200.     5.0      1.0      8.      0.0      0.0
172        1200.     5.0      1.0      8.      0.0      0.0
182  184   1200.     5.0      1.0      8.      0.0      0.0
192        1200.     5.0      1.0      8.      0.0      0.0
202  204   1200.     5.0      1.0      8.      0.0      0.0
212        1200.     5.0      1.0      8.      0.0      0.0
222  224   1200.     5.0      1.0      8.      0.0      0.0
232        1200.     5.0      1.0      8.      0.0      0.0
242  244   1200.     5.0      1.0      8.      0.0      0.0
```

```
252        1200.    5.0    1.0    8.    0.0    0.0
262  264   1200.    5.0    1.0    8.    0.0    0.0
272        1200.    5.0    1.0    8.    0.0    0.0
282  284   1200.    5.0    1.0    8.    0.0    0.0
292        1200.    5.0    1.0    8.    0.0    0.0
302  304   1200.    5.0    1.0    8.    0.0    0.0
312        1200.    5.0    1.0    8.    0.0    0.0
322  324   1200.    5.0    1.0    8.    0.0    0.0
332        1200.    5.0    1.0    8.    0.0    0.0
342  344   1200.    5.0    1.0    8.    0.0    0.0
352        1200.    5.0    1.0    8.    0.0    0.0
362  364   1200.    5.0    1.0    8.    0.0    0.0
372        1200.    5.0    1.0    8.    0.0    0.0
382  384   1200.    5.0    1.0    8.    0.0    0.0
392        1200.    5.0    1.0    8.    0.0    0.0
402  404   1200.    5.0    1.0    8.    0.0    0.0
412        1200.    5.0    1.0    8.    0.0    0.0
422  424   1200.    5.0    1.0    8.    0.0    0.0
432        1200.    5.0    1.0    8.    0.0    0.0
442  444   1200.    5.0    1.0    8.    0.0    0.0
452        1200.    5.0    1.0    8.    0.0    0.0
462  464   1200.    5.0    1.0    8.    0.0    0.0
472        1200.    5.0    1.0    8.    0.0    0.0
482  484   1200.    5.0    1.0    8.    0.0    0.0
492        1200.    5.0    1.0    8.    0.0    0.0
502  504   1200.    5.0    1.0    8.    0.0    0.0
512        1200.    5.0    1.0    8.    0.0    0.0
522  524   1200.    5.0    1.0    8.    0.0    0.0
532        1200.    5.0    1.0    8.    0.0    0.0
542  544   1200.    5.0    1.0    8.    0.0    0.0
552        1200.    5.0    1.0    8.    0.0    0.0
562  564   1200.    5.0    1.0    8.    0.0    0.0
572        1200.    5.0    1.0    8.    0.0    0.0
582  584   1200.    5.0    1.0    8.    0.0    0.0
592        1200.    5.0    1.0    8.    0.0    0.0
602  604   1200.    5.0    1.0    8.    0.0    0.0
612        1200.    5.0    1.0    8.    0.0    0.0
622  624   1200.    5.0    1.0    8.    0.0    0.0
632        1200.    5.0    1.0    8.    0.0    0.0
642  644   1200.    5.0    1.0    8.    0.0    0.0
652        1200.    5.0    1.0    8.    0.0    0.0
662  664   1200.    5.0    1.0    8.    0.0    0.0
672        1200.    5.0    1.0    8.    0.0    0.0
END NIT-STOR1

NIT-STOR1
 <PLS > Initial storage of N forms in groundwater layer (LB/AC)     ***
 #   #    LORGN    AMAD    AMSU    NO3    PLTN    RORGN ***
 22  24    800.    6.0    0.50    1.0     .0    0.0
 32        800.    6.0    0.50    1.0     .0    0.0
 42  44    800.    6.0    0.50    1.0     .0    0.0
 52        800.    6.0    0.50    1.0     .0    0.0
 62  64    800.    6.0    0.50    1.0     .0    0.0
 72        800.    6.0    0.50    1.0     .0    0.0
 82  84    800.    6.0    0.50    1.0     .0    0.0
 92        800.    6.0    0.50    1.0     .0    0.0
```

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 102 | 104 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 112 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 122 | 124 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 132 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 142 | 144 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 152 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 162 | 164 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 172 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 182 | 184 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 192 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 202 | 204 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 212 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 222 | 224 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 232 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 242 | 244 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 252 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 262 | 264 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 272 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 282 | 284 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 292 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 302 | 304 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 312 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 322 | 324 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 332 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 342 | 344 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 352 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 362 | 364 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 372 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 382 | 384 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 392 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 402 | 404 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 412 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 422 | 424 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 432 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 442 | 444 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 452 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 462 | 464 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 472 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 482 | 484 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 492 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 502 | 504 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 512 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 522 | 524 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 532 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 542 | 544 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 552 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 562 | 564 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 572 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 582 | 584 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 592 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 602 | 604 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 612 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 622 | 624 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 632 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 642 | 644 | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |
| 652 | | 800. | 6.0 | 0.50 | 1.0 | .0 | 0.0 |

```
662  664     800.      6.0     0.50      1.0       .0      0.0
672          800.      6.0     0.50      1.0       .0      0.0
END NIT-STOR1

NIT-STOR2
  <PLS > Initial N in interflow, above ground and litter (LB/AC)     ***
  #   #    IAMSU     INO3    ISLON    ISRON   AGPLTN   LITTRN ***
 22  24      0.       0.       0.       0.
 32          0.       0.       0.       0.
 42  44      0.       0.       0.       0.
 52          0.       0.       0.       0.
 62  64      0.       0.       0.       0.
 72          0.       0.       0.       0.
 82  84      0.       0.       0.       0.
 92          0.       0.       0.       0.
102  104     0.       0.       0.       0.
112          0.       0.       0.       0.
122  124     0.       0.       0.       0.
132          0.       0.       0.       0.
142  144     0.       0.       0.       0.
152          0.       0.       0.       0.
162  164     0.       0.       0.       0.
172          0.       0.       0.       0.
182  184     0.       0.       0.       0.
192          0.       0.       0.       0.
202  204     0.       0.       0.       0.
212          0.       0.       0.       0.
222  224     0.       0.       0.       0.
232          0.       0.       0.       0.
242  244     0.       0.       0.       0.
252          0.       0.       0.       0.
262  264     0.       0.       0.       0.
272          0.       0.       0.       0.
282  284     0.       0.       0.       0.
292          0.       0.       0.       0.
302  304     0.       0.       0.       0.
312          0.       0.       0.       0.
322  324     0.       0.       0.       0.
332          0.       0.       0.       0.
342  344     0.       0.       0.       0.
352          0.       0.       0.       0.
362  364     0.       0.       0.       0.
372          0.       0.       0.       0.
382  384     0.       0.       0.       0.
392          0.       0.       0.       0.
402  404     0.       0.       0.       0.
412          0.       0.       0.       0.
422  424     0.       0.       0.       0.
432          0.       0.       0.       0.
442  444     0.       0.       0.       0.
452          0.       0.       0.       0.
462  464     0.       0.       0.       0.
472          0.       0.       0.       0.
482  484     0.       0.       0.       0.
492          0.       0.       0.       0.
502  504     0.       0.       0.       0.
```

```
 512          0.       0.       0.       0.
 522  524       0.       0.       0.       0.
 532          0.       0.       0.       0.
 542  544       0.       0.       0.       0.
 552          0.       0.       0.       0.
 562  564       0.       0.       0.       0.
 572          0.       0.       0.       0.
 582  584       0.       0.       0.       0.
 592          0.       0.       0.       0.
 602  604       0.       0.       0.       0.
 612          0.       0.       0.       0.
 622  624       0.       0.       0.       0.
 632          0.       0.       0.       0.
 642  644       0.       0.       0.       0.
 652          0.       0.       0.       0.
 662  664       0.       0.       0.       0.
 672          0.       0.       0.       0.
 END NIT-STOR2

*** SECTION PHOS

*** Phosphorus flags
*** P adsorption by Fruendlich isotherm method
*** P uptake by yield-based method
 PHOS-FLAGS
  <PLS > VPUT FORP ITMX BMUM CNUM PUPT ***
  # -  #                          ***
 22   24        1  100    3    1    1
 32            1  100    3    1    1
 42   44        1  100    3    1    1
 52            1  100    3    1    1
 62   64        1  100    3    1    1
 72            1  100    3    1    1
 82   84        1  100    3    1    1
 92            1  100    3    1    1
 102  104        1  100    3    1    1
 112           1  100    3    1    1
 122  124        1  100    3    1    1
 132           1  100    3    1    1
 142  144        1  100    3    1    1
 152           1  100    3    1    1
 162  164        1  100    3    1    1
 172           1  100    3    1    1
 182  184        1  100    3    1    1
 192           1  100    3    1    1
 202  204        1  100    3    1    1
 212           1  100    3    1    1
 222  224        1  100    3    1    1
 232           1  100    3    1    1
 242  244        1  100    3    1    1
 252           1  100    3    1    1
 262  264        1  100    3    1    1
 272           1  100    3    1    1
 282  284        1  100    3    1    1
 292           1  100    3    1    1
 302  304        1  100    3    1    1
```

```
 312          1  100   3   1   1
 322  324      1  100   3   1   1
 332          1  100   3   1   1
 342  344      1  100   3   1   1
 352          1  100   3   1   1
 362  364      1  100   3   1   1
 372          1  100   3   1   1
 382  384      1  100   3   1   1
 392          1  100   3   1   1
 402  404      1  100   3   1   1
 412          1  100   3   1   1
 422  424      1  100   3   1   1
 432          1  100   3   1   1
 442  444      1  100   3   1   1
 452          1  100   3   1   1
 462  464      1  100   3   1   1
 472          1  100   3   1   1
 482  484      1  100   3   1   1
 492          1  100   3   1   1
 502  504      1  100   3   1   1
 512          1  100   3   1   1
 522  524      1  100   3   1   1
 532          1  100   3   1   1
 542  544      1  100   3   1   1
 552          1  100   3   1   1
 562  564      1  100   3   1   1
 572          1  100   3   1   1
 582  584      1  100   3   1   1
 592          1  100   3   1   1
 602  604      1  100   3   1   1
 612          1  100   3   1   1
 622  624      1  100   3   1   1
 632          1  100   3   1   1
 642  644      1  100   3   1   1
 652          1  100   3   1   1
 662  664      1  100   3   1   1
 672          1  100   3   1   1
 END PHOS-FLAGS

*** the P atmospheric deposition function is used to add
*** manure to pasture
*** values are entered in timeseries format
 PHOS-AD-FLAGS
          Atmospheric Deposition Flags ***
             PO4          ORGP        ***
  <PLS >    sur    upp    sur    upp     ***
  # -  #   F  C   F  C    F  C   F  C     ***
  22   24  -1  0  -1  0   -1  0  -1  0
  32       -1  0  -1  0   -1  0  -1  0
  42   44  -1  0  -1  0   -1  0  -1  0
  52       -1  0  -1  0   -1  0  -1  0
  62   64  -1  0  -1  0   -1  0  -1  0
  72       -1  0  -1  0   -1  0  -1  0
  82   84  -1  0  -1  0   -1  0  -1  0
  92       -1  0  -1  0   -1  0  -1  0
 102  104  -1  0  -1  0   -1  0  -1  0
```

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 112 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 122 | 124 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 132 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 142 | 144 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 152 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 162 | 164 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 172 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 182 | 184 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 192 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 202 | 204 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 212 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 222 | 224 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 232 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 242 | 244 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 252 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 262 | 264 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 272 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 282 | 284 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 292 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 302 | 304 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 312 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 322 | 324 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 332 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 342 | 344 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 352 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 362 | 364 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 372 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 382 | 384 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 392 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 402 | 404 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 412 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 422 | 424 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 432 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 442 | 444 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 452 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 462 | 464 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 472 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 482 | 484 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 492 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 502 | 504 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 512 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 522 | 524 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 532 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 542 | 544 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 552 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 562 | 564 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 572 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 582 | 584 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 592 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 602 | 604 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 612 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 622 | 624 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 632 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 642 | 644 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 652 | | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |
| 662 | 664 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | 0 |

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 672      -1  0  -1  0   -1  0  -1  0
 END PHOS-AD-FLAGS

*** Plant uptake of phosphorus - yield-based method
 PHOS-YIELD
   <PLS >    PUPTGT    PMXRAT ***
   # -  #   (LB/AC)          ***
  22   24      20.0       1.8
  32          25.0       1.8
  42   44      20.0       1.8
  52          25.0       1.8
  62   64      20.0       1.8
  72          25.0       1.8
  82   84      20.0       1.8
  92          25.0       1.8
 102  104      20.0       1.8
 112          25.0       1.8
 122  124      20.0       1.8
 132          25.0       1.8
 142  144      20.0       1.8
 152          25.0       1.8
 162  164      20.0       1.8
 172          25.0       1.8
 182  184      20.0       1.8
 192          25.0       1.8
 202  204      20.0       1.8
 212          25.0       1.8
 222  224      20.0       1.8
 232          25.0       1.8
 242  244      20.0       1.8
 252          25.0       1.8
 262  264      20.0       1.8
 272          25.0       1.8
 282  284      20.0       1.8
 292          25.0       1.8
 302  304      20.0       1.8
 312          25.0       1.8
 322  324      20.0       1.8
 332          25.0       1.8
 342  344      20.0       1.8
 352          25.0       1.8
 362  364      20.0       1.8
 372          25.0       1.8
 382  384      20.0       1.8
 392          25.0       1.8
 402  404      20.0       1.8
 412          25.0       1.8
 422  424      20.0       1.8
 432          25.0       1.8
 442  444      20.0       1.8
 452          25.0       1.8
 462  464      20.0       1.8
 472          25.0       1.8
 482  484      20.0       1.8
 492          25.0       1.8
 502  504      20.0       1.8
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512          25.0      1.8
522  524      20.0      1.8
532          25.0      1.8
542  544      20.0      1.8
552          25.0      1.8
562  564      20.0      1.8
572          25.0      1.8
582  584      20.0      1.8
592          25.0      1.8
602  604      20.0      1.8
612          25.0      1.8
622  624      20.0      1.8
632          25.0      1.8
642  644      20.0      1.8
652          25.0      1.8
662  664      20.0      1.8
672          25.0      1.8
END PHOS-YIELD

MON-PUPT-FR1
 <PLS >  Monthly fractions of plant uptake target                    ***
 # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC ***
 22   24  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
 32       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
 42   44  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
 52       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
 62   64  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
 72       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
 82   84  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
 92       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
102  104  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
112       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
122  124  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
132       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
142  144  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
152       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
162  164  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
172       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
182  184  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
192       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
202  204  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
212       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
222  224  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
232       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
242  244  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
252       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
262  264  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
272       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
282  284  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
292       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
302  304  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
312       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
322  324  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
332       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
342  344  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
352       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
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362  364  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
372       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
382  384  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
392       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
402  404  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
412       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
422  424  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
432       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
442  444  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
452       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
462  464  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
472       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
482  484  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
492       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
502  504  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
512       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
522  524  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
532       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
542  544  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
552       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
562  564  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
572       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
582  584  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
592       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
602  604  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
612       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
622  624  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
632       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
642  644  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
652       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
662  664  .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
672       .01  .04  .09 .115 .135 .145  .15  .14 .095  .05 .025 .005
END MON-PUPT-FR1

MON-PUPT-FR2
 <PLS >  Monthly fractions for plant uptake target from surface layer ***
 # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC   ***
 22   24  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
 32       .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
 42   44  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
 52       .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
 62   64  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
 72       .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
 82   84  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
 92       .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
102  104  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
112       .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
122  124  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
132       .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
142  144  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
152       .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
162  164  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
172       .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
182  184  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
192       .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
202  204  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05  .05
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212      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
222 224 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
232      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
242 244 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
252      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
262 264 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
272      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
282 284 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
292      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
302 304 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
312      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
322 324 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
332      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
342 344 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
352      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
362 364 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
372      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
382 384 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
392      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
402 404 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
412      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
422 424 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
432      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
442 444 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
452      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
462 464 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
472      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
482 484 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
492      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
502 504 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
512      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
522 524 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
532      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
542 544 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
552      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
562 564 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
572      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
582 584 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
592      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
602 604 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
612      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
622 624 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
632      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
642 644 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
652      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
662 664 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
672      .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05
END MON-PUPT-FR2

MON-PUPT-FR2
 <PLS >  Monthly fractions for plant uptake target from upper layer   ***
 # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC   ***
 22  24 .80 .80 .80 .80 .80 .75 .70 .70 .70 .75 .80 .80
 32      .80 .80 .80 .80 .80 .75 .70 .70 .70 .75 .80 .80
 42  44 .80 .80 .80 .80 .80 .75 .70 .70 .70 .75 .80 .80
 52      .80 .80 .80 .80 .80 .75 .70 .70 .70 .75 .80 .80
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| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62 | 64 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 72 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 82 | 84 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 92 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 102 | 104 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 112 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 122 | 124 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 132 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 142 | 144 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 152 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 162 | 164 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 172 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 182 | 184 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 192 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 202 | 204 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 212 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 222 | 224 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 232 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 242 | 244 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 252 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 262 | 264 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 272 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 282 | 284 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 292 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 302 | 304 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 312 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 322 | 324 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 332 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 342 | 344 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 352 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 362 | 364 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 372 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 382 | 384 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 392 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 402 | 404 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 412 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 422 | 424 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 432 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 442 | 444 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 452 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 462 | 464 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 472 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 482 | 484 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 492 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 502 | 504 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 512 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 522 | 524 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 532 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 542 | 544 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 552 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 562 | 564 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 572 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 582 | 584 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 592 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 602 | 604 | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |
| 612 | | .80 | .80 | .80 | .80 | .80 | .75 | .70 | .70 | .70 | .75 | .80 | .80 |

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622 624 .80 .80 .80 .80 .80 .75 .70 .70 .70 .75 .80 .80
632     .80 .80 .80 .80 .80 .75 .70 .70 .70 .75 .80 .80
642 644 .80 .80 .80 .80 .80 .75 .70 .70 .70 .75 .80 .80
652     .80 .80 .80 .80 .80 .75 .70 .70 .70 .75 .80 .80
662 664 .80 .80 .80 .80 .80 .75 .70 .70 .70 .75 .80 .80
672     .80 .80 .80 .80 .80 .75 .70 .70 .70 .75 .80 .80
END MON-PUPT-FR2

MON-PUPT-FR2
 <PLS >  Monthly fractions for plant uptake target from lower layer   ***
 # - # JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC   ***
 22  24 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
 32     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
 42  44 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
 52     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
 62  64 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
 72     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
 82  84 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
 92     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
102 104 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
112     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
122 124 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
132     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
142 144 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
152     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
162 164 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
172     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
182 184 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
192     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
202 204 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
212     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
222 224 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
232     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
242 244 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
252     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
262 264 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
272     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
282 284 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
292     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
302 304 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
312     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
322 324 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
332     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
342 344 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
352     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
362 364 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
372     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
382 384 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
392     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
402 404 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
412     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
422 424 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
432     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
442 444 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
452     .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
462 464 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
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472      .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
482  484 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
492      .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
502  504 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
512      .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
522  524 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
532      .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
542  544 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
552      .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
562  564 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
572      .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
582  584 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
592      .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
602  604 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
612      .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
622  624 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
632      .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
642  644 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
652      .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
662  664 .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
672      .15 .15 .15 .15 .15 .20 .25 .25 .25 .20 .15 .15
END MON-PUPT-FR2

MON-PUPT-FR2
 <PLS >  Monthly fractions for plant uptake target from active gw   ***
 # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC ***
 22  24  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 32      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 42  44  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 52      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 62  64  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 72      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 82  84  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
 92      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
102  104  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
112      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
122  124  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
132      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
142  144  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
152      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
162  164  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
172      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
182  184  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
192      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
202  204  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
212      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
222  224  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
232      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
242  244  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
252      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
262  264  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
272      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
282  284  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
292      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
302  304  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
312      .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0  .0
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 322  324   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 332       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 342  344   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 352       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 362  364   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 372       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 382  384   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 392       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 402  404   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 412       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 422  424   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 432       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 442  444   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 452       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 462  464   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 472       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 482  484   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 492       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 502  504   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 512       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 522  524   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 532       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 542  544   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 552       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 562  564   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 572       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 582  584   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 592       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 602  604   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 612       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 622  624   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 632       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 642  644   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 652       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 662  664   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 672       .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 END MON-PUPT-FR2

*** First order rates for P reactions (immobilization and mineralization)

*** note: in the following 5 tables, there are blank fields for the parameters that are
*** relevant to the first-order phosphate asorption kinetics and the first-order
*** plant uptake kinetics, both of which are not being used
 PHOS-FSTGEN
   <PLS > Temperature correction parameters for phosphorus reactions***
  #   #    THPLP    THKDSP    THKADP    THKIMP     THKMP         ***
 22  24                          1.07      1.05
 32                             1.07      1.05
 42  44                          1.07      1.05
 52                             1.07      1.05
 62  64                          1.07      1.05
 72                             1.07      1.05
 82  84                          1.07      1.05
 92                             1.07      1.05
102  104                          1.07      1.05
112                             1.07      1.05
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| | | | |
|---|---|---|---|
| 122 | 124 | 1.07 | 1.05 |
| 132 | | 1.07 | 1.05 |
| 142 | 144 | 1.07 | 1.05 |
| 152 | | 1.07 | 1.05 |
| 162 | 164 | 1.07 | 1.05 |
| 172 | | 1.07 | 1.05 |
| 182 | 184 | 1.07 | 1.05 |
| 192 | | 1.07 | 1.05 |
| 202 | 204 | 1.07 | 1.05 |
| 212 | | 1.07 | 1.05 |
| 222 | 224 | 1.07 | 1.05 |
| 232 | | 1.07 | 1.05 |
| 242 | 244 | 1.07 | 1.05 |
| 252 | | 1.07 | 1.05 |
| 262 | 264 | 1.07 | 1.05 |
| 272 | | 1.07 | 1.05 |
| 282 | 284 | 1.07 | 1.05 |
| 292 | | 1.07 | 1.05 |
| 302 | 304 | 1.07 | 1.05 |
| 312 | | 1.07 | 1.05 |
| 322 | 324 | 1.07 | 1.05 |
| 332 | | 1.07 | 1.05 |
| 342 | 344 | 1.07 | 1.05 |
| 352 | | 1.07 | 1.05 |
| 362 | 364 | 1.07 | 1.05 |
| 372 | | 1.07 | 1.05 |
| 382 | 384 | 1.07 | 1.05 |
| 392 | | 1.07 | 1.05 |
| 402 | 404 | 1.07 | 1.05 |
| 412 | | 1.07 | 1.05 |
| 422 | 424 | 1.07 | 1.05 |
| 432 | | 1.07 | 1.05 |
| 442 | 444 | 1.07 | 1.05 |
| 452 | | 1.07 | 1.05 |
| 462 | 464 | 1.07 | 1.05 |
| 472 | | 1.07 | 1.05 |
| 482 | 484 | 1.07 | 1.05 |
| 492 | | 1.07 | 1.05 |
| 502 | 504 | 1.07 | 1.05 |
| 512 | | 1.07 | 1.05 |
| 522 | 524 | 1.07 | 1.05 |
| 532 | | 1.07 | 1.05 |
| 542 | 544 | 1.07 | 1.05 |
| 552 | | 1.07 | 1.05 |
| 562 | 564 | 1.07 | 1.05 |
| 572 | | 1.07 | 1.05 |
| 582 | 584 | 1.07 | 1.05 |
| 592 | | 1.07 | 1.05 |
| 602 | 604 | 1.07 | 1.05 |
| 612 | | 1.07 | 1.05 |
| 622 | 624 | 1.07 | 1.05 |
| 632 | | 1.07 | 1.05 |
| 642 | 644 | 1.07 | 1.05 |
| 652 | | 1.07 | 1.05 |
| 662 | 664 | 1.07 | 1.05 |
| 672 | | 1.07 | 1.05 |

```
  END PHOS-FSTGEN

  PHOS-FSTPM
    <PLS > Phosphorus first-order rates for surface layer (/DAY)      ***
    #    #      KDSP      KADP      KIMP       KMP                    ***
*** very high stp
   62   64                    20.     .0050
   72                        10.     .0050
  102  104                    20.     .0050
  112                        10.     .0050
  122  124                    20.     .0050
  132                        10.     .0050
  162  164                    20.     .0050
  172                        10.     .0050
  342  344                    20.     .0050
  352                        10.     .0050
  402  404                    20.     .0050
  412                        10.     .0050
  442  444                    20.     .0050
  452                        10.     .0050
  502  504                    20.     .0050
  512                        10.     .0050
  522  524                    20.     .0050
  532                        10.     .0050
  582  584                    20.     .0050
  592                        10.     .0050
  602  604                    20.     .0050
  612                        10.     .0050
*** high stp
   22   24                    14.0     .0100
   32                        7.0     .0100
   42   44                    14.0     .0100
   52                        7.0     .0100
  182  184                    14.0     .0100
  192                        7.0     .0100
  202  204                    14.0     .0100
  212                        7.0     .0100
  222  224                    14.0     .0100
  232                        7.0     .0100
  242  244                    14.0     .0100
  252                        7.0     .0100
  262  264                    14.0     .0100
  272                        7.0     .0100
  282  284                    14.0     .0100
  292                        7.0     .0100
  302  304                    14.0     .0100
  312                        7.0     .0100
  422  424                    14.0     .0100
  432                        7.0     .0100
  482  484                    14.0     .0100
  492                        7.0     .0100
  542  544                    14.0     .0100
  552                        7.0     .0100
*** medium stp
   82   84                    10.0     .0100
   92                        5.0     .0100
```

```
 142  144                    10.0     .0100
 152                        5.0     .0100
 362  364                    10.0     .0100
 372                        5.0     .0100
 382  384                    10.0     .0100
 392                        5.0     .0100
 462  464                    10.0     .0100
 472                        5.0     .0100
 662  664                    10.0     .0100
 672                        5.0     .0100
*** low stp
 322  324                    10.0     .0100
 332                        5.0     .0100
 562  564                    10.0     .0100
 572                        5.0     .0100
 622  624                    10.0     .0100
 632                        5.0     .0100
 642  644                    10.0     .0100
 652                        5.0     .0100
 END PHOS-FSTPM

 PHOS-FSTPM
  <PLS > Phosphorus first-order rates for upper layer (/DAY)       ***
  #    #     KDSP      KADP      KIMP      KMP                 ***
*** very high stp
  62   64                    2.0   .000200
  72                        1.0   .000200
 102  104                    2.0   .000200
 112                        1.0   .000200
 122  124                    2.0   .000200
 132                        1.0   .000200
 162  164                    2.0   .000200
 172                        1.0   .000200
 342  344                    2.0   .000200
 352                        1.0   .000200
 402  404                    2.0   .000200
 412                        1.0   .000200
 442  444                    2.0   .000200
 452                        1.0   .000200
 502  504                    2.0   .000200
 512                        1.0   .000200
 522  524                    2.0   .000200
 532                        1.0   .000200
 582  584                    2.0   .000200
 592                        1.0   .000200
 602  604                    2.0   .000200
 612                        1.0   .000200
*** high stp
  22   24                    2.0   .001000
  32                        1.0   .001000
  42   44                    2.0   .001000
  52                        1.0   .001000
 182  184                    2.0   .001000
 192                        1.0   .001000
 202  204                    2.0   .001000
 212                        1.0   .001000
```

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 222  224                    2.0   .001000
 232                        1.0   .001000
 242  244                    2.0   .001000
 252                        1.0   .001000
 262  264                    2.0   .001000
 272                        1.0   .001000
 282  284                    2.0   .001000
 292                        1.0   .001000
 302  304                    2.0   .001000
 312                        1.0   .001000
 422  424                    2.0   .001000
 432                        1.0   .001000
 482  484                    2.0   .001000
 492                        1.0   .001000
 542  544                    2.0   .001000
 552                        1.0   .001000
*** medium stp
  82   84                    2.0   .001000
  92                        1.0   .001000
 142  144                    2.0   .001000
 152                        1.0   .001000
 362  364                    2.0   .001000
 372                        1.0   .001000
 382  384                    2.0   .001000
 392                        1.0   .001000
 462  464                    2.0   .001000
 472                        1.0   .001000
 662  664                    2.0   .001000
 672                        1.0   .000500
*** low stp
 322  324                    2.0   .001000
 332                        1.0   .001000
 562  564                    2.0   .001000
 572                        1.0   .001000
 622  624                    2.0   .001000
 632                        1.0   .001000
 642  644                    2.0   .001000
 652                        1.0   .001000
 END PHOS-FSTPM

 PHOS-FSTPM
   <PLS > Phosphorus first-order rates for lower layer (/DAY)       ***
   #    #      KDSP      KADP      KIMP      KMP                    ***
*** very high stp                .150   .000200
  62   64                    .150   .000200
  72                        .150   .000200
 102  104                    .150   .000200
 112                        .150   .000200
 122  124                    .150   .000200
 132                        .150   .000200
 162  164                    .150   .000200
 172                        .150   .000200
 342  344                    .150   .000200
 352                        .150   .000200
 402  404                    .150   .000200
 412                        .150   .000200
```

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 442  444                    .150   .000200
 452                        .150   .000200
 502  504                    .150   .000200
 512                        .150   .000200
 522  524                    .150   .000200
 532                        .150   .000200
 582  584                    .150   .000200
 592                        .150   .000200
 602  604                    .150   .000200
 612                        .150   .000200
*** high stp
  22   24                    .100   .000200
  32                        .100   .000200
  42   44                    .100   .000200
  52                        .100   .000200
 182  184                    .100   .000200
 192                        .100   .000200
 202  204                    .100   .000200
 212                        .100   .000200
 222  224                    .100   .000200
 232                        .100   .000200
 242  244                    .100   .000200
 252                        .100   .000200
 262  264                    .100   .000200
 272                        .100   .000200
 282  284                    .100   .000200
 292                        .100   .000200
 302  304                    .100   .000200
 312                        .100   .000200
 422  424                    .100   .000200
 432                        .100   .000200
 482  484                    .100   .000200
 492                        .100   .000200
 542  544                    .100   .000200
 552                        .100   .000200
*** medium stp
  82   84                    .070   .000200
  92                        .070   .000200
 142  144                    .070   .000200
 152                        .070   .000200
 362  364                    .070   .000200
 372                        .070   .000200
 382  384                    .070   .000200
 392                        .070   .000200
 462  464                    .070   .000200
 472                        .070   .000200
 662  664                    .070   .000200
 672                        .070   .000200
*** low stp
 322  324                    .050   .000200
 332                        .050   .000200
 562  564                    .050   .000200
 572                        .050   .000200
 622  624                    .050   .000200
 632                        .050   .000200
 642  644                    .050   .000200
```

652 .050 .000200
END PHOS-FSTPM

PHOS-FSTPM
<PLS > Phosphorus first-order rates for groundwater layer (/DAY) ***

| # | # | KDSP | KADP | KIMP | KMP | *** |
|---|---|---|---|---|---|---|
| 22 | 24 | | 0. | 0.00 | | |
| 32 | | | 0. | 0.00 | | |
| 42 | 44 | | 0. | 0.00 | | |
| 52 | | | 0. | 0.00 | | |
| 62 | 64 | | 0. | 0.00 | | |
| 72 | | | 0. | 0.00 | | |
| 82 | 84 | | 0. | 0.00 | | |
| 92 | | | 0. | 0.00 | | |
| 102 | 104 | | 0. | 0.00 | | |
| 112 | | | 0. | 0.00 | | |
| 122 | 124 | | 0. | 0.00 | | |
| 132 | | | 0. | 0.00 | | |
| 142 | 144 | | 0. | 0.00 | | |
| 152 | | | 0. | 0.00 | | |
| 162 | 164 | | 0. | 0.00 | | |
| 172 | | | 0. | 0.00 | | |
| 182 | 184 | | 0. | 0.00 | | |
| 192 | | | 0. | 0.00 | | |
| 202 | 204 | | 0. | 0.00 | | |
| 212 | | | 0. | 0.00 | | |
| 222 | 224 | | 0. | 0.00 | | |
| 232 | | | 0. | 0.00 | | |
| 242 | 244 | | 0. | 0.00 | | |
| 252 | | | 0. | 0.00 | | |
| 262 | 264 | | 0. | 0.00 | | |
| 272 | | | 0. | 0.00 | | |
| 282 | 284 | | 0. | 0.00 | | |
| 292 | | | 0. | 0.00 | | |
| 302 | 304 | | 0. | 0.00 | | |
| 312 | | | 0. | 0.00 | | |
| 322 | 324 | | 0. | 0.00 | | |
| 332 | | | 0. | 0.00 | | |
| 342 | 344 | | 0. | 0.00 | | |
| 352 | | | 0. | 0.00 | | |
| 362 | 364 | | 0. | 0.00 | | |
| 372 | | | 0. | 0.00 | | |
| 382 | 384 | | 0. | 0.00 | | |
| 392 | | | 0. | 0.00 | | |
| 402 | 404 | | 0. | 0.00 | | |
| 412 | | | 0. | 0.00 | | |
| 422 | 424 | | 0. | 0.00 | | |
| 432 | | | 0. | 0.00 | | |
| 442 | 444 | | 0. | 0.00 | | |
| 452 | | | 0. | 0.00 | | |
| 462 | 464 | | 0. | 0.00 | | |
| 472 | | | 0. | 0.00 | | |
| 482 | 484 | | 0. | 0.00 | | |
| 492 | | | 0. | 0.00 | | |
| 502 | 504 | | 0. | 0.00 | | |
| 512 | | | 0. | 0.00 | | |

```
 522  524                    0.     0.00
 532                       0.     0.00
 542  544                    0.     0.00
 552                       0.     0.00
 562  564                    0.     0.00
 572                       0.     0.00
 582  584                    0.     0.00
 592                       0.     0.00
 602  604                    0.     0.00
 612                       0.     0.00
 622  624                    0.     0.00
 632                       0.     0.00
 642  644                    0.     0.00
 652                       0.     0.00
 662  664                    0.     0.00
 672                       0.     0.00
 END PHOS-FSTPM

*** Single-valued Freundlich adsorption
 PHOS-CMAX
*** <PLS > Maximum solubility of phosphate
*** #    #      CMAX
***           (PPM)
  22   24      50.0
  32          50.0
  42   44      50.0
  52          50.0
  62   64      30.0
  72          30.0
  82   84      50.0
  92          50.0
 102  104      50.0
 112          50.0
 122  124      50.0
 132          50.0
 142  144      50.0
 152          50.0
 162  164      50.0
 172          50.0
 182  184      50.0
 192          50.0
 202  204      50.0
 212          50.0
 222  224      50.0
 232          50.0
 242  244      50.0
 252          50.0
 262  264      50.0
 272          50.0
 282  284      50.0
 292          50.0
 302  304      50.0
 312          50.0
 322  324      50.0
 332          50.0
 342  344      50.0
```

```
352          50.0
362  364      50.0
372          50.0
382  384      50.0
392          50.0
402  404      50.0
412          50.0
422  424      50.0
432          50.0
442  444      50.0
452          50.0
462  464      50.0
472          50.0
482  484      50.0
492          50.0
502  504      50.0
512          50.0
522  524      50.0
532          50.0
542  544      50.0
552          50.0
562  564      50.0
572          50.0
582  584      50.0
592          50.0
602  604      50.0
612          50.0
622  624      50.0
632          50.0
642  644      50.0
652          50.0
662  664      50.0
672          50.0
END PHOS-CMAX

PHOS-SVALPM
***   Freundlich parameters for surface layer
*** <PLS >      XFIX        K1        N1
*** #    #     (PPM)
*** very high stp
 62   64       60.        5.      1.50
 72           280.        5.      1.50
102  104       60.        5.      1.50
112           280.        5.      1.50
122  124       60.        5.      1.50
132           280.        5.      1.50
162  164       60.        5.      1.50
172           280.        5.      1.50
342  344       60.        5.      1.50
352           280.        5.      1.50
402  404       60.        5.      1.50
412           280.        5.      1.50
442  444       60.        5.      1.50
452           280.        5.      1.50
502  504       60.        5.      1.50
512           280.        5.      1.50
```

```
 522  524      60.       5.     1.50
 532          280.       5.     1.50
 582  584      60.       5.     1.50
 592          280.       5.     1.50
 602  604      60.       5.     1.50
 612          280.       5.     1.50
*** high stp
  22   24      60.       5.     1.50
  32          230.       5.     1.50
  42   44      60.       5.     1.50
  52          230.       5.     1.50
 182  184      60.       5.     1.50
 192          230.       5.     1.50
 202  204      60.       5.     1.50
 212          230.       5.     1.50
 222  224      60.       5.     1.50
 232          230.       5.     1.50
 242  244      60.       5.     1.50
 252          230.       5.     1.50
 262  264      60.       5.     1.50
 272          230.       5.     1.50
 282  284      60.       5.     1.50
 292          230.       5.     1.50
 302  304      60.       5.     1.50
 312          230.       5.     1.50
 422  424      60.       5.     1.50
 432          230.       5.     1.50
 482  484      60.       5.     1.50
 492          230.       5.     1.50
 542  544      60.       5.     1.50
 552          230.       5.     1.50
*** medium stp
  82   84      60.       5.     1.50
  92          200.       5.     1.50
 142  144      60.       5.     1.50
 152          200.       5.     1.50
 362  364      60.       5.     1.50
 372          200.       5.     1.50
 382  384      60.       5.     1.50
 392          200.       5.     1.50
 462  464      60.       5.     1.50
 472          200.       5.     1.50
 662  664      60.       5.     1.50
 672          200.       5.     1.50
*** low stp
 322  324      60.       5.     1.50
 332           70.       5.     1.50
 562  564      60.       5.     1.50
 572           70.       5.     1.50
 622  624      60.       5.     1.50
 632           70.       5.     1.50
 642  644      60.       5.     1.50
 652           70.       5.     1.50
 END PHOS-SVALPM

 PHOS-SVALPM
```

```
***   Freundlich parameters for upper layer
*** <PLS >      XFIX        K1        N1
*** #    #     (PPM)
*** very high stp
   62   64       35.        5.      1.50
   72           180.        5.      1.50
  102  104       35.        5.      1.50
  112           180.        5.      1.50
  122  124       35.        5.      1.20
  132           180.        5.      1.20
  162  164       35.        5.      1.50
  172           180.        5.      1.50
  342  344       35.        5.      1.50
  352           180.        5.      1.50
  402  404       35.        5.      1.50
  412           180.        5.      1.50
  442  444       35.        5.      1.50
  452           180.        5.      1.50
  502  504       35.        5.      1.50
  512           180.        5.      1.50
  522  524       35.        5.      1.50
  532           180.        5.      1.50
  582  584       35.        5.      1.50
  592           180.        5.      1.50
  602  604       35.        5.      1.50
  612           180.        5.      1.50
*** high stp
   22   24       35.        5.      1.50
   32           120.        5.      1.50
   42   44       35.        5.      1.50
   52           120.        5.      1.50
  182  184       35.        5.      1.50
  192           120.        5.      1.50
  202  204       35.        5.      1.50
  212           110.        5.      1.50
  222  224       35.        5.      1.50
  232           110.        5.      1.50
  242  244       35.        5.      1.50
  252           110.        5.      1.50
  262  264       35.        5.      1.50
  272           110.        5.      1.50
  282  284       35.        5.      1.50
  292           110.        5.      1.50
  302  304       35.        5.      1.50
  312           110.        5.      1.50
  422  424       35.        5.      1.50
  432           120.        5.      1.50
  482  484       35.        5.      1.20
  492           120.        5.      1.20
  542  544       35.        5.      1.50
  552           120.        5.      1.50
*** medium stp
   82   84       35.        5.      1.50
   92           100.        5.      1.50
  142  144       35.        5.      1.50
  152           100.        5.      1.50
```

```
 362  364      35.       5.     1.50
 372          100.       5.     1.50
 382  384      35.       5.     1.20
 392          100.       5.     1.20
 462  464      35.       5.     1.20
 472          100.       5.     1.20
 662  664      35.       5.     1.50
 672          100.       5.     1.50
*** low stp
 322  324      35.       5.     1.50
 332           70.       5.     1.50
 562  564      35.       5.     1.50
 572           70.       5.     1.50
 622  624      35.       5.     1.50
 632           70.       5.     1.50
 642  644      35.       5.     1.50
 652           70.       5.     1.50
 END PHOS-SVALPM

 PHOS-SVALPM
***   Freundlich parameters for lower layer
*** <PLS >      XFIX        K1        N1
*** #    #     (PPM)
  22   24      10.       3.     1.50
  32          10.       3.     1.50
  42   44      10.       3.     1.50
  52          10.       3.     1.50
  62   64      10.       3.     1.50
  72          10.       3.     1.50
  82   84      10.       3.     1.50
  92          10.       3.     1.50
 102  104      10.       3.     1.50
 112           10.       3.     1.50
 122  124      10.       3.     1.50
 132           10.       3.     1.50
 142  144      10.       3.     1.50
 152           10.       3.     1.50
 162  164      10.       3.     1.50
 172           10.       3.     1.50
 182  184      10.       3.     1.50
 192           10.       3.     1.50
 202  204      10.       3.     1.50
 212           10.       3.     1.50
 222  224      10.       3.     1.50
 232           10.       3.     1.50
 242  244      10.       3.     1.50
 252           10.       3.     1.50
 262  264      10.       3.     1.50
 272           10.       3.     1.50
 282  284      10.       3.     1.50
 292           10.       3.     1.50
 302  304      10.       3.     1.50
 312           10.       3.     1.50
 322  324      10.       3.     1.50
 332           10.       3.     1.50
 342  344      10.       3.     1.50
```

```
 352          10.       3.      1.50
 362  364      10.       3.      1.50
 372          10.       3.      1.50
 382  384      10.       3.      1.50
 392          10.       3.      1.50
 402  404      10.       3.      1.50
 412          10.       3.      1.50
 422  424      10.       3.      1.50
 432          10.       3.      1.50
 442  444      10.       3.      1.50
 452          10.       3.      1.50
 462  464      10.       3.      1.50
 472          10.       3.      1.50
 482  484      10.       3.      1.50
 492          10.       3.      1.50
 502  504      10.       3.      1.50
 512          10.       3.      1.50
 522  524      10.       3.      1.50
 532          10.       3.      1.50
 542  544      10.       3.      1.50
 552          10.       3.      1.50
 562  564      10.       3.      1.50
 572          10.       3.      1.50
 582  584      10.       3.      1.50
 592          10.       3.      1.50
 602  604      10.       3.      1.50
 612          10.       3.      1.50
 622  624      10.       3.      1.50
 632          10.       3.      1.50
 642  644      10.       3.      1.50
 652          10.       3.      1.50
 662  664      10.       3.      1.50
 672          10.       3.      1.50
 END PHOS-SVALPM

 PHOS-SVALPM
***   Freundlich parameters for groundwater layer
*** <PLS >      XFIX        K1        N1
*** #    #     (PPM)
  22   24      12.       5.      1.50
  32          12.       5.      1.50
  42   44      12.       5.      1.50
  52          12.       5.      1.50
  62   64      12.       5.      1.50
  72          12.       5.      1.50
  82   84      12.       5.      1.50
  92          12.       5.      1.50
 102  104      12.       5.      1.50
 112          12.       5.      1.50
 122  124      12.       5.      1.50
 132          12.       5.      1.50
 142  144      12.       5.      1.50
 152          12.       5.      1.50
 162  164      12.       5.      1.50
 172          12.       5.      1.50
 182  184      12.       5.      1.50
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```
 192          12.      5.     1.50
 202  204      12.      5.     1.50
 212          12.      5.     1.50
 222  224      12.      5.     1.50
 232          12.      5.     1.50
 242  244      12.      5.     1.50
 252          12.      5.     1.50
 262  264      12.      5.     1.50
 272          12.      5.     1.50
 282  284      12.      5.     1.50
 292          12.      5.     1.50
 302  304      12.      5.     1.50
 312          12.      5.     1.50
 322  324      12.      5.     1.50
 332          12.      5.     1.50
 342  344      12.      5.     1.50
 352          12.      5.     1.50
 362  364      12.      5.     1.50
 372          12.      5.     1.50
 382  384      12.      5.     1.50
 392          12.      5.     1.50
 402  404      12.      5.     1.50
 412          12.      5.     1.50
 422  424      12.      5.     1.50
 432          12.      5.     1.50
 442  444      12.      5.     1.50
 452          12.      5.     1.50
 462  464      12.      5.     1.50
 472          12.      5.     1.50
 482  484      12.      5.     1.50
 492          12.      5.     1.50
 502  504      12.      5.     1.50
 512          12.      5.     1.50
 522  524      12.      5.     1.50
 532          12.      5.     1.50
 542  544      12.      5.     1.50
 552          12.      5.     1.50
 562  564      12.      5.     1.50
 572          12.      5.     1.50
 582  584      12.      5.     1.50
 592          12.      5.     1.50
 602  604      12.      5.     1.50
 612          12.      5.     1.50
 622  624      12.      5.     1.50
 632          12.      5.     1.50
 642  644      12.      5.     1.50
 652          12.      5.     1.50
 662  664      12.      5.     1.50
 672          12.      5.     1.50
 END PHOS-SVALPM

*** Initial storages of Phosphorus
 PHOS-STOR1
  <PLS > Initial phosphorus in surface layer (LB/AC)   ***
  #   #     ORGP     P4AD     P4SU     PLTP      ***
*** very high stp
```

```
  62  64      15.      5.0     0.00       0.
  72          15.     35.0     0.00       0.
 102  104     15.      5.0     0.00       0.
 112          15.     35.0     0.00       0.
 122  124     15.      5.0     0.00       0.
 132          15.     35.0     0.00       0.
 162  164     15.      5.0     0.00       0.
 172          15.     35.0     0.00       0.
 342  344     15.      5.0     0.00       0.
 352          15.     35.0     0.00       0.
 402  404     15.      5.0     0.00       0.
 412          15.     35.0     0.00       0.
 442  444     15.      5.0     0.00       0.
 452          15.     35.0     0.00       0.
 502  504     15.      5.0     0.00       0.
 512          15.     35.0     0.00       0.
 522  524     15.      5.0     0.00       0.
 532          15.     35.0     0.00       0.
 582  584     15.      5.0     0.00       0.
 592          15.     35.0     0.00       0.
 602  604     15.      5.0     0.00       0.
 612          15.     35.0     0.00       0.
*** high stp
  22  24      15.      5.0     0.00       0.
  32          15.     25.0     0.00       0.
  42  44      15.      5.0     0.00       0.
  52          15.     25.0     0.00       0.
 182  184     15.      5.0     0.00       0.
 192          15.     25.0     0.00       0.
 202  204     15.      5.0     0.00       0.
 212          15.     25.0     0.00       0.
 222  224     15.      5.0     0.00       0.
 232          15.     25.0     0.00       0.
 242  244     15.      5.0     0.00       0.
 252          15.     25.0     0.00       0.
 262  264     15.      5.0     0.00       0.
 272          15.     25.0     0.00       0.
 282  284     15.      5.0     0.00       0.
 292          15.     25.0     0.00       0.
 302  304     15.      5.0     0.00       0.
 312          15.     25.0     0.00       0.
 422  424     15.      5.0     0.00       0.
 432          15.     25.0     0.00       0.
 482  484     15.      5.0     0.00       0.
 492          15.     25.0     0.00       0.
 542  544     15.      5.0     0.00       0.
 552          15.     25.0     0.00       0.
*** medium stp
  82  84      15.      5.0     0.00       0.
  92          15.     15.0     0.00       0.
 142  144     15.      5.0     0.00       0.
 152          15.     15.0     0.00       0.
 362  364     15.      5.0     0.00       0.
 372          15.     15.0     0.00       0.
 382  384     15.      5.0     0.00       0.
 392          15.     15.0     0.00       0.
```

```
  462  464      15.      5.0     0.00       0.
  472          15.     15.0     0.00       0.
  662  664      15.      5.0     0.00       0.
  672          15.     15.0     0.00       0.
*** low stp
  322  324      15.      5.0     0.00       0.
  332          15.     10.0     0.00       0.
  562  564      15.      5.0     0.00       0.
  572          15.     10.0     0.00       0.
  622  624      15.      5.0     0.00       0.
  632          15.     10.0     0.00       0.
  642  644      15.      5.0     0.00       0.
  652          15.     10.0     0.00       0.
  END PHOS-STOR1

  PHOS-STOR1
   <PLS > Initial phosphorus in upper layer (LB/AC)      ***
   #    #     ORGP      P4AD      P4SU      PLTP       ***
*** very high stp
   62   64      50.     60.0     1.00       0.
   72          50.    430.0     1.00       0.
  102  104      50.     60.0     1.00       0.
  112          50.    430.0     1.00       0.
  122  124      50.     60.0     1.00       0.
  132          50.    430.0     1.00       0.
  162  164      50.     60.0     1.00       0.
  172          50.    430.0     1.00       0.
  342  344      50.     60.0     1.00       0.
  352          50.    430.0     1.00       0.
  402  404      50.     60.0     1.00       0.
  412          50.    430.0     1.00       0.
  442  444      50.     60.0     1.00       0.
  452          50.    430.0     1.00       0.
  502  504      50.     60.0     1.00       0.
  512          50.    430.0     1.00       0.
  522  524      50.     60.0     1.00       0.
  532          50.    430.0     1.00       0.
  582  584      50.     60.0     1.00       0.
  592          50.    430.0     1.00       0.
  602  604      50.     60.0     1.00       0.
  612          50.    430.0     1.00       0.
*** high stp
   22   24      50.     60.0     1.00       0.
   32          50.    260.0     1.00       0.
   42   44      50.     60.0     1.00       0.
   52          50.    260.0     1.00       0.
  182  184      50.     60.0     1.00       0.
  192          50.    260.0     1.00       0.
  202  204      50.     60.0     1.00       0.
  212          50.    260.0     1.00       0.
  222  224      50.     60.0     1.00       0.
  232          50.    260.0     1.00       0.
  242  244      50.     60.0     1.00       0.
  252          50.    260.0     1.00       0.
  262  264      50.     60.0     1.00       0.
  272          50.    260.0     1.00       0.
```

```
 282  284      50.     60.0     1.00       0.
 292           50.    260.0     1.00       0.
 302  304      50.     60.0     1.00       0.
 312           50.    260.0     1.00       0.
 422  424      50.     60.0     1.00       0.
 432           50.    260.0     1.00       0.
 482  484      50.     60.0     1.00       0.
 492           50.    260.0     1.00       0.
 542  544      50.     60.0     1.00       0.
 552           50.    260.0     1.00       0.
*** medium stp
  82   84      50.     60.0     1.00       0.
  92           50.    150.0     1.00       0.
 142  144      50.     60.0     1.00       0.
 152           50.    150.0     1.00       0.
 362  364      50.     60.0     1.00       0.
 372           50.    150.0     1.00       0.
 382  384      50.     60.0     1.00       0.
 392           50.    150.0     1.00       0.
 462  464      50.     60.0     1.00       0.
 472           50.    150.0     1.00       0.
 662  664      50.     60.0     1.00       0.
 672           50.    150.0     1.00       0.
*** low stp
 322  324      50.     60.0     1.00       0.
 332           50.     80.0     1.00       0.
 562  564      50.     60.0     1.00       0.
 572           50.     80.0     1.00       0.
 622  624      50.     60.0     1.00       0.
 632           50.     80.0     1.00       0.
 642  644      50.     60.0     1.00       0.
 652           50.     80.0     1.00       0.
 END PHOS-STOR1

 PHOS-STOR2
  <PLS > Initial phosphorus in interflow  (LB/AC)      ***
  #   #     ORGP     P4AD     P4SU     PLTP      ***
  22  24      0.       0.      0.0      0.
  32          0.       0.      0.0      0.
  42  44      0.       0.      0.0      0.
  52          0.       0.      0.0      0.
  62  64      0.       0.      0.0      0.
  72          0.       0.      0.0      0.
  82  84      0.       0.      0.0      0.
  92          0.       0.      0.0      0.
 102  104     0.       0.      0.0      0.
 112          0.       0.      0.0      0.
 122  124     0.       0.      0.0      0.
 132          0.       0.      0.0      0.
 142  144     0.       0.      0.0      0.
 152          0.       0.      0.0      0.
 162  164     0.       0.      0.0      0.
 172          0.       0.      0.0      0.
 182  184     0.       0.      0.0      0.
 192          0.       0.      0.0      0.
 202  204     0.       0.      0.0      0.
```

```
212          0.      0.      0.0      0.
222  224     0.      0.      0.0      0.
232          0.      0.      0.0      0.
242  244     0.      0.      0.0      0.
252          0.      0.      0.0      0.
262  264     0.      0.      0.0      0.
272          0.      0.      0.0      0.
282  284     0.      0.      0.0      0.
292          0.      0.      0.0      0.
302  304     0.      0.      0.0      0.
312          0.      0.      0.0      0.
322  324     0.      0.      0.0      0.
332          0.      0.      0.0      0.
342  344     0.      0.      0.0      0.
352          0.      0.      0.0      0.
362  364     0.      0.      0.0      0.
372          0.      0.      0.0      0.
382  384     0.      0.      0.0      0.
392          0.      0.      0.0      0.
402  404     0.      0.      0.0      0.
412          0.      0.      0.0      0.
422  424     0.      0.      0.0      0.
432          0.      0.      0.0      0.
442  444     0.      0.      0.0      0.
452          0.      0.      0.0      0.
462  464     0.      0.      0.0      0.
472          0.      0.      0.0      0.
482  484     0.      0.      0.0      0.
492          0.      0.      0.0      0.
502  504     0.      0.      0.0      0.
512          0.      0.      0.0      0.
522  524     0.      0.      0.0      0.
532          0.      0.      0.0      0.
542  544     0.      0.      0.0      0.
552          0.      0.      0.0      0.
562  564     0.      0.      0.0      0.
572          0.      0.      0.0      0.
582  584     0.      0.      0.0      0.
592          0.      0.      0.0      0.
602  604     0.      0.      0.0      0.
612          0.      0.      0.0      0.
622  624     0.      0.      0.0      0.
632          0.      0.      0.0      0.
642  644     0.      0.      0.0      0.
652          0.      0.      0.0      0.
662  664     0.      0.      0.0      0.
672          0.      0.      0.0      0.
END PHOS-STOR2

PHOS-STOR1
  <PLS > Initial phosphorus in lower layer (LB/AC)      ***
  #   #     ORGP     P4AD     P4SU     PLTP      ***
 22  24     120.    120.0     1.5      0.
 32         120.    120.0     1.5      0.
 42  44     120.    120.0     1.5      0.
 52         120.    120.0     1.5      0.
```

| | | | | | |
|---|---|---|---|---|---|
| 62 | 64 | 120. | 120.0 | 1.5 | 0. |
| 72 | | 120. | 120.0 | 1.5 | 0. |
| 82 | 84 | 120. | 120.0 | 1.5 | 0. |
| 92 | | 120. | 120.0 | 1.5 | 0. |
| 102 | 104 | 120. | 120.0 | 1.5 | 0. |
| 112 | | 120. | 120.0 | 1.5 | 0. |
| 122 | 124 | 120. | 120.0 | 1.5 | 0. |
| 132 | | 120. | 120.0 | 1.5 | 0. |
| 142 | 144 | 120. | 120.0 | 1.5 | 0. |
| 152 | | 120. | 120.0 | 1.5 | 0. |
| 162 | 164 | 120. | 120.0 | 1.5 | 0. |
| 172 | | 120. | 120.0 | 1.5 | 0. |
| 182 | 184 | 120. | 120.0 | 1.5 | 0. |
| 192 | | 120. | 120.0 | 1.5 | 0. |
| 202 | 204 | 120. | 120.0 | 1.5 | 0. |
| 212 | | 120. | 120.0 | 1.5 | 0. |
| 222 | 224 | 120. | 120.0 | 1.5 | 0. |
| 232 | | 120. | 120.0 | 1.5 | 0. |
| 242 | 244 | 120. | 120.0 | 1.5 | 0. |
| 252 | | 120. | 120.0 | 1.5 | 0. |
| 262 | 264 | 120. | 120.0 | 1.5 | 0. |
| 272 | | 120. | 120.0 | 1.5 | 0. |
| 282 | 284 | 120. | 120.0 | 1.5 | 0. |
| 292 | | 120. | 120.0 | 1.5 | 0. |
| 302 | 304 | 120. | 120.0 | 1.5 | 0. |
| 312 | | 120. | 120.0 | 1.5 | 0. |
| 322 | 324 | 120. | 120.0 | 1.5 | 0. |
| 332 | | 120. | 120.0 | 1.5 | 0. |
| 342 | 344 | 120. | 120.0 | 1.5 | 0. |
| 352 | | 120. | 120.0 | 1.5 | 0. |
| 362 | 364 | 120. | 120.0 | 1.5 | 0. |
| 372 | | 120. | 120.0 | 1.5 | 0. |
| 382 | 384 | 120. | 120.0 | 1.5 | 0. |
| 392 | | 120. | 120.0 | 1.5 | 0. |
| 402 | 404 | 120. | 120.0 | 1.5 | 0. |
| 412 | | 120. | 120.0 | 1.5 | 0. |
| 422 | 424 | 120. | 120.0 | 1.5 | 0. |
| 432 | | 120. | 120.0 | 1.5 | 0. |
| 442 | 444 | 120. | 120.0 | 1.5 | 0. |
| 452 | | 120. | 120.0 | 1.5 | 0. |
| 462 | 464 | 120. | 120.0 | 1.5 | 0. |
| 472 | | 120. | 120.0 | 1.5 | 0. |
| 482 | 484 | 120. | 120.0 | 1.5 | 0. |
| 492 | | 120. | 120.0 | 1.5 | 0. |
| 502 | 504 | 120. | 120.0 | 1.5 | 0. |
| 512 | | 120. | 120.0 | 1.5 | 0. |
| 522 | 524 | 120. | 120.0 | 1.5 | 0. |
| 532 | | 120. | 120.0 | 1.5 | 0. |
| 542 | 544 | 120. | 120.0 | 1.5 | 0. |
| 552 | | 120. | 120.0 | 1.5 | 0. |
| 562 | 564 | 120. | 120.0 | 1.5 | 0. |
| 572 | | 120. | 120.0 | 1.5 | 0. |
| 582 | 584 | 120. | 120.0 | 1.5 | 0. |
| 592 | | 120. | 120.0 | 1.5 | 0. |
| 602 | 604 | 120. | 120.0 | 1.5 | 0. |
| 612 | | 120. | 120.0 | 1.5 | 0. |

```
622  624     120.    120.0      1.5       0.
632          120.    120.0      1.5       0.
642  644     120.    120.0      1.5       0.
652          120.    120.0      1.5       0.
662  664     120.    120.0      1.5       0.
672          120.    120.0      1.5       0.
END PHOS-STOR1

PHOS-STOR1
  <PLS > Initial phosphorus in groundwater layer(LB/AC)***
  #   #     ORGP     P4AD     P4SU     PLTP      ***
 22  24      80.     220.      1.0       0.
 32          80.     220.      1.0       0.
 42  44      80.     220.      1.0       0.
 52          80.     220.      1.0       0.
 62  64      80.     220.      1.0       0.
 72          80.     220.      1.0       0.
 82  84      80.     220.      1.0       0.
 92          80.     220.      1.0       0.
102  104     80.     220.      1.0       0.
112          80.     220.      1.0       0.
122  124     80.     220.      1.0       0.
132          80.     220.      1.0       0.
142  144     80.     220.      1.0       0.
152          80.     220.      1.0       0.
162  164     80.     220.      1.0       0.
172          80.     220.      1.0       0.
182  184     80.     220.      1.0       0.
192          80.     220.      1.0       0.
202  204     80.     220.      1.0       0.
212          80.     220.      1.0       0.
222  224     80.     220.      1.0       0.
232          80.     220.      1.0       0.
242  244     80.     220.      1.0       0.
252          80.     220.      1.0       0.
262  264     80.     220.      1.0       0.
272          80.     220.      1.0       0.
282  284     80.     220.      1.0       0.
292          80.     220.      1.0       0.
302  304     80.     220.      1.0       0.
312          80.     220.      1.0       0.
322  324     80.     220.      1.0       0.
332          80.     220.      1.0       0.
342  344     80.     220.      1.0       0.
352          80.     220.      1.0       0.
362  364     80.     220.      1.0       0.
372          80.     220.      1.0       0.
382  384     80.     220.      1.0       0.
392          80.     220.      1.0       0.
402  404     80.     220.      1.0       0.
412          80.     220.      1.0       0.
422  424     80.     220.      1.0       0.
432          80.     220.      1.0       0.
442  444     80.     220.      1.0       0.
452          80.     220.      1.0       0.
462  464     80.     220.      1.0       0.
```

```
  472          80.     220.      1.0       0.
  482  484      80.     220.      1.0       0.
  492          80.     220.      1.0       0.
  502  504      80.     220.      1.0       0.
  512          80.     220.      1.0       0.
  522  524      80.     220.      1.0       0.
  532          80.     220.      1.0       0.
  542  544      80.     220.      1.0       0.
  552          80.     220.      1.0       0.
  562  564      80.     220.      1.0       0.
  572          80.     220.      1.0       0.
  582  584      80.     220.      1.0       0.
  592          80.     220.      1.0       0.
  602  604      80.     220.      1.0       0.
  612          80.     220.      1.0       0.
  622  624      80.     220.      1.0       0.
  632          80.     220.      1.0       0.
  642  644      80.     220.      1.0       0.
  652          80.     220.      1.0       0.
  662  664      80.     220.      1.0       0.
  672          80.     220.      1.0       0.
  END PHOS-STOR1
END PERLND

IMPLND
  ACTIVITY
*** <ILS >              Active Sections
*** x -  x ATMP SNOW IWAT  SLD  IWG IQAL
   26  668    1    0    1    1    1    1
  END ACTIVITY

  PRINT-INFO
*** <ILS > ******** Print-flags ******** PIVL  PYR
*** x -  x ATMP SNOW IWAT  SLD  IWG IQAL *********
   26  668    6    6    6    6    6    6    1   12
  END PRINT-INFO

  BINARY-INFO
*** <ILS > **** Binary-Output-flags **** PIVL  PYR
*** x -  x ATMP SNOW IWAT  SLD  IWG IQAL *********
   26  668    6    6    6    6    6    6    1   12
  END BINARY-INFO

  GEN-INFO
***            Name              Unit-systems   Printer BinaryOut
*** <ILS >                        t-series Engl Metr Engl Metr
*** x -  x                        in  out
   26     Developed, Open            1    1    0    0   95    0
   27     Developed, Low             1    1    0    0   95    0
   28     Developed, Med/High        1    1    0    0   95    0
   46     Developed, Open            1    1    0    0   95    0
   47     Developed, Low             1    1    0    0   95    0
   48     Developed, Med/High        1    1    0    0   95    0
   66     Developed, Open            1    1    0    0   95    0
   67     Developed, Low             1    1    0    0   95    0
   68     Developed, Med/High        1    1    0    0   95    0
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| | | | | | | |
|---|---|---|---|---|---|---|
| 86 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 87 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 88 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 106 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 107 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 108 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 126 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 127 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 128 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 146 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 147 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 148 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 166 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 167 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 168 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 186 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 187 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 188 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 206 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 207 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 208 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 226 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 227 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 228 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 246 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 247 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 248 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 266 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 267 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 268 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 286 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 287 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 288 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 306 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 307 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 308 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 326 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 327 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 328 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 346 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 347 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 348 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 366 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 367 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 368 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 386 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 387 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 388 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 406 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 407 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 408 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 426 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 427 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |
| 428 | Developed, Med/High | 1 | 1 | 0 | 0 | 95 | 0 |
| 446 | Developed, Open | 1 | 1 | 0 | 0 | 95 | 0 |
| 447 | Developed, Low | 1 | 1 | 0 | 0 | 95 | 0 |

```
  448     Developed, Med/High        1    1    0    0   95    0
  466     Developed, Open            1    1    0    0   95    0
  467     Developed, Low             1    1    0    0   95    0
  468     Developed, Med/High        1    1    0    0   95    0
  486     Developed, Open            1    1    0    0   95    0
  487     Developed, Low             1    1    0    0   95    0
  488     Developed, Med/High        1    1    0    0   95    0
  506     Developed, Open            1    1    0    0   95    0
  507     Developed, Low             1    1    0    0   95    0
  508     Developed, Med/High        1    1    0    0   95    0
  526     Developed, Open            1    1    0    0   95    0
  527     Developed, Low             1    1    0    0   95    0
  528     Developed, Med/High        1    1    0    0   95    0
  546     Developed, Open            1    1    0    0   95    0
  547     Developed, Low             1    1    0    0   95    0
  548     Developed, Med/High        1    1    0    0   95    0
  566     Developed, Open            1    1    0    0   95    0
  567     Developed, Low             1    1    0    0   95    0
  568     Developed, Med/High        1    1    0    0   95    0
  586     Developed, Open            1    1    0    0   95    0
  587     Developed, Low             1    1    0    0   95    0
  588     Developed, Med/High        1    1    0    0   95    0
  606     Developed, Open            1    1    0    0   95    0
  607     Developed, Low             1    1    0    0   95    0
  608     Developed, Med/High        1    1    0    0   95    0
  626     Developed, Open            1    1    0    0   95    0
  627     Developed, Low             1    1    0    0   95    0
  628     Developed, Med/High        1    1    0    0   95    0
  646     Developed, Open            1    1    0    0   95    0
  647     Developed, Low             1    1    0    0   95    0
  648     Developed, Med/High        1    1    0    0   95    0
  666     Developed, Open            1    1    0    0   95    0
  667     Developed, Low             1    1    0    0   95    0
  668     Developed, Med/High        1    1    0    0   95    0
  END GEN-INFO

  IWAT-PARM1
*** <ILS >        Flags
*** x -  x CSNO RTOP  VRS  VNN RTLI
   26  668    0    1    0    0    0
  END IWAT-PARM1

  IWAT-PARM2
*** <ILS >      LSUR     SLSUR      NSUR     RETSC
*** x -  x      (ft)                     (in)
   26   28       150     0.030      0.05       0.1
   46   48       150     0.034      0.05       0.1
   66   68       150     0.023      0.05       0.1
   86   88       150     0.020      0.05       0.1
  106  108       150     0.015      0.05       0.1
  126  128       150     0.016      0.05       0.1
  146  148       150     0.023      0.05       0.1
  166  168       150     0.018      0.05       0.1
  186  188       150     0.014      0.05       0.1
  206  208       150     0.033      0.05       0.1
  226  228       150     0.022      0.05       0.1
```

```
  246  248      150     0.019      0.05       0.1
  266  268      150     0.023      0.05       0.1
  286  288      150     0.038      0.05       0.1
  306  308      150     0.029      0.05       0.1
  326  328      150     0.041      0.05       0.1
  346  348      150     0.019      0.05       0.1
  366  368      150     0.027      0.05       0.1
  386  388      150     0.015      0.05       0.1
  406  408      150     0.030      0.05       0.1
  426  428      150     0.019      0.05       0.1
  446  448      150     0.016      0.05       0.1
  466  468      150     0.014      0.05       0.1
  486  488      200     0.011      0.05       0.1
  506  508      150     0.014      0.05       0.1
  526  528      200     0.013      0.05       0.1
  546  548      150     0.035      0.05       0.1
  566  568      150     0.047      0.05       0.1
  586  588      150     0.031      0.05       0.1
  606  608      150     0.015      0.05       0.1
  626  628      150     0.027      0.05       0.1
  646  648      150     0.025      0.05       0.1
  666  668      150     0.024      0.05       0.1
  END IWAT-PARM2

  IWAT-PARM3
*** <ILS >    PETMAX    PETMIN
*** x -  x   (deg F)   (deg F)
   26  668       40.       35.
  END IWAT-PARM3

  IWAT-STATE1
*** <ILS >  IWATER state variables (inches)
*** x -  x      RETS      SURS
   26  668      0.01      0.01
  END IWAT-STATE1

  SLD-PARM1
*** <ILS >     Flags
*** x -  x VASD VRSD SDOP
   26  668    0    0    1
  END SLD-PARM1

  SLD-PARM2
***            KEIM      JEIM    ACCSDP    REMSDP
*** <ILS >                        tons/      /day
*** x -  x                       ac.day
*** Developed, Open
   26          0.05        2.    0.0006      0.02
   46          0.05        2.    0.0006      0.02
   66          0.05        2.    0.0006      0.02
   86          0.05        2.    0.0006      0.02
  106          0.05        2.    0.0006      0.02
  126          0.05        2.    0.0006      0.02
  146          0.05        2.    0.0006      0.02
  166          0.05        2.    0.0006      0.02
  186          0.05        2.    0.0006      0.02
```

| | | | | |
|---|---|---|---|---|
| 206 | 0.05 | 2. | 0.0006 | 0.02 |
| 226 | 0.05 | 2. | 0.0006 | 0.02 |
| 246 | 0.05 | 2. | 0.0006 | 0.02 |
| 266 | 0.05 | 2. | 0.0006 | 0.02 |
| 286 | 0.05 | 2. | 0.0006 | 0.02 |
| 306 | 0.05 | 2. | 0.0006 | 0.02 |
| 326 | 0.05 | 2. | 0.0006 | 0.02 |
| 346 | 0.05 | 2. | 0.0006 | 0.02 |
| 366 | 0.05 | 2. | 0.0006 | 0.02 |
| 386 | 0.05 | 2. | 0.0006 | 0.02 |
| 406 | 0.05 | 2. | 0.0006 | 0.02 |
| 426 | 0.05 | 2. | 0.0006 | 0.02 |
| 446 | 0.05 | 2. | 0.0006 | 0.02 |
| 466 | 0.05 | 2. | 0.0006 | 0.02 |
| 486 | 0.05 | 2. | 0.0006 | 0.02 |
| 506 | 0.05 | 2. | 0.0006 | 0.02 |
| 526 | 0.05 | 2. | 0.0006 | 0.02 |
| 546 | 0.05 | 2. | 0.0006 | 0.02 |
| 566 | 0.05 | 2. | 0.0006 | 0.02 |
| 586 | 0.05 | 2. | 0.0006 | 0.02 |
| 606 | 0.05 | 2. | 0.0006 | 0.02 |
| 626 | 0.05 | 2. | 0.0006 | 0.02 |
| 646 | 0.05 | 2. | 0.0006 | 0.02 |
| 666 | 0.05 | 2. | 0.0006 | 0.02 |

*** Developed, Low

| | | | | |
|---|---|---|---|---|
| 27 | 0.05 | 2. | 0.0009 | 0.02 |
| 47 | 0.05 | 2. | 0.0009 | 0.02 |
| 67 | 0.05 | 2. | 0.0009 | 0.02 |
| 87 | 0.05 | 2. | 0.0009 | 0.02 |
| 107 | 0.05 | 2. | 0.0009 | 0.02 |
| 127 | 0.05 | 2. | 0.0009 | 0.02 |
| 147 | 0.05 | 2. | 0.0009 | 0.02 |
| 167 | 0.05 | 2. | 0.0009 | 0.02 |
| 187 | 0.05 | 2. | 0.0009 | 0.02 |
| 207 | 0.05 | 2. | 0.0009 | 0.02 |
| 227 | 0.05 | 2. | 0.0009 | 0.02 |
| 247 | 0.05 | 2. | 0.0009 | 0.02 |
| 267 | 0.05 | 2. | 0.0009 | 0.02 |
| 287 | 0.05 | 2. | 0.0009 | 0.02 |
| 307 | 0.05 | 2. | 0.0009 | 0.02 |
| 327 | 0.05 | 2. | 0.0009 | 0.02 |
| 347 | 0.05 | 2. | 0.0009 | 0.02 |
| 367 | 0.05 | 2. | 0.0009 | 0.02 |
| 387 | 0.05 | 2. | 0.0009 | 0.02 |
| 407 | 0.05 | 2. | 0.0009 | 0.02 |
| 427 | 0.05 | 2. | 0.0009 | 0.02 |
| 447 | 0.05 | 2. | 0.0009 | 0.02 |
| 467 | 0.05 | 2. | 0.0009 | 0.02 |
| 487 | 0.05 | 2. | 0.0009 | 0.02 |
| 507 | 0.05 | 2. | 0.0009 | 0.02 |
| 527 | 0.05 | 2. | 0.0009 | 0.02 |
| 547 | 0.05 | 2. | 0.0009 | 0.02 |
| 567 | 0.05 | 2. | 0.0009 | 0.02 |
| 587 | 0.05 | 2. | 0.0009 | 0.02 |
| 607 | 0.05 | 2. | 0.0009 | 0.02 |
| 627 | 0.05 | 2. | 0.0009 | 0.02 |

```
  647          0.05        2.    0.0009      0.02
  667          0.05        2.    0.0009      0.02
*** Developed, Med/High
   28          0.05        2.    0.0015      0.02
   48          0.05        2.    0.0015      0.02
   68          0.05        2.    0.0015      0.02
   88          0.05        2.    0.0015      0.02
  108          0.05        2.    0.0015      0.02
  128          0.05        2.    0.0015      0.02
  148          0.05        2.    0.0015      0.02
  168          0.05        2.    0.0015      0.02
  188          0.05        2.    0.0015      0.02
  208          0.05        2.    0.0015      0.02
  228          0.05        2.    0.0015      0.02
  248          0.05        2.    0.0015      0.02
  268          0.05        2.    0.0015      0.02
  288          0.05        2.    0.0015      0.02
  308          0.05        2.    0.0015      0.02
  328          0.05        2.    0.0015      0.02
  348          0.05        2.    0.0015      0.02
  368          0.05        2.    0.0015      0.02
  388          0.05        2.    0.0015      0.02
  408          0.05        2.    0.0015      0.02
  428          0.05        2.    0.0015      0.02
  448          0.05        2.    0.0015      0.02
  468          0.05        2.    0.0015      0.02
  488          0.05        2.    0.0015      0.02
  508          0.05        2.    0.0015      0.02
  528          0.05        2.    0.0015      0.02
  548          0.05        2.    0.0015      0.02
  568          0.05        2.    0.0015      0.02
  588          0.05        2.    0.0015      0.02
  608          0.05        2.    0.0015      0.02
  628          0.05        2.    0.0015      0.02
  648          0.05        2.    0.0015      0.02
  668          0.05        2.    0.0015      0.02
  END SLD-PARM2

  SLD-STOR
*** <ILS >  Solids storage (tons/acre)
*** x -  x
   26  668     0.005
  END SLD-STOR

  IWT-PARM1
*** <ILS >  Flags for section IWTGAS
*** x -  x WTFV CSNO
   26  668    1    0
  END IWT-PARM1

  IWT-PARM2
***         Second group of IWTGAS parms
*** <ILS >      ELEV      AWTF      BWTF
*** x -  x      (ft)   (deg F) (deg F/F)
   26  668     1170.      34.0       0.3
  END IWT-PARM2
```

```
  MON-AWTF
*** <ILS >  Value of AWTF at start of each month (deg F)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
   26  668  40.  40.  42.  45.  55.  65.  70.  70.  70.  55.  45.  40.
  END MON-AWTF

  MON-BWTF
*** <ILS >  Value of BWTF at start of each month (deg F/F)
*** x -  x  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
   26  668  .15  .15  .20  .25  .30  .32  .35  .35  .32  .30  .20  .15
  END MON-BWTF

*** Water Quality Parameters may need to be varied by impervious category
  NQUALS
*** <ILS >
*** x -  xNQUAL
   26  668    4
  END NQUALS

  QUAL-PROPS
*** <ILS >    Identifiers and Flags
*** x -  x      QUALID    QTID  QSD VPFW  QSO  VQO
   26  668NH3+NH4         LBS     0    0    1    0
  END QUAL-PROPS

  QUAL-INPUT
***         Storage on surface and nonseasonal parameters
***            SQO   POTFW   ACQOP  SQOLIM   WSQOP
*** <ILS >  qty/ac qty/ton    qty/  qty/ac   in/hr
*** x -  x                   ac.day
*** Developed, Open
   26       0.0200      0.  0.0019  0.0378     0.5
   46       0.0200      0.  0.0019  0.0378     0.5
   66       0.0200      0.  0.0019  0.0378     0.5
   86       0.0200      0.  0.0019  0.0378     0.5
  106       0.0200      0.  0.0019  0.0378     0.5
  126       0.0200      0.  0.0019  0.0378     0.5
  146       0.0200      0.  0.0019  0.0378     0.5
  166       0.0200      0.  0.0019  0.0378     0.5
  186       0.0200      0.  0.0019  0.0378     0.5
  206       0.0200      0.  0.0019  0.0378     0.5
  226       0.0200      0.  0.0019  0.0378     0.5
  246       0.0200      0.  0.0019  0.0378     0.5
  266       0.0200      0.  0.0019  0.0378     0.5
  286       0.0200      0.  0.0019  0.0378     0.5
  306       0.0200      0.  0.0019  0.0378     0.5
  326       0.0200      0.  0.0019  0.0378     0.5
  346       0.0200      0.  0.0019  0.0378     0.5
  366       0.0200      0.  0.0019  0.0378     0.5
  386       0.0200      0.  0.0019  0.0378     0.5
  406       0.0200      0.  0.0019  0.0378     0.5
  426       0.0200      0.  0.0019  0.0378     0.5
  446       0.0200      0.  0.0019  0.0378     0.5
  466       0.0200      0.  0.0019  0.0378     0.5
  486       0.0200      0.  0.0019  0.0378     0.5
```

| | | | | | |
|---|---|---|---|---|---|
| 506 | 0.0200 | 0. | 0.0019 | 0.0378 | 0.5 |
| 526 | 0.0200 | 0. | 0.0019 | 0.0378 | 0.5 |
| 546 | 0.0200 | 0. | 0.0019 | 0.0378 | 0.5 |
| 566 | 0.0200 | 0. | 0.0019 | 0.0378 | 0.5 |
| 586 | 0.0200 | 0. | 0.0019 | 0.0378 | 0.5 |
| 606 | 0.0200 | 0. | 0.0019 | 0.0378 | 0.5 |
| 626 | 0.0200 | 0. | 0.0019 | 0.0378 | 0.5 |
| 646 | 0.0200 | 0. | 0.0019 | 0.0378 | 0.5 |
| 666 | 0.0200 | 0. | 0.0019 | 0.0378 | 0.5 |

*** Developed, Low

| | | | | | |
|---|---|---|---|---|---|
| 27 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 47 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 67 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 87 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 107 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 127 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 147 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 167 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 187 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 207 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 227 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 247 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 267 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 287 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 307 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 327 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 347 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 367 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 387 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 407 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 427 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 447 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 467 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 487 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 507 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 527 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 547 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 567 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 587 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 607 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 627 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 647 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |
| 667 | 0.0200 | 0. | 0.0030 | 0.0605 | 0.5 |

*** Developed, Med/High

| | | | | | |
|---|---|---|---|---|---|
| 28 | 0.0200 | 0. | 0.0034 | 0.0680 | 0.5 |
| 48 | 0.0200 | 0. | 0.0034 | 0.0680 | 0.5 |
| 68 | 0.0200 | 0. | 0.0034 | 0.0680 | 0.5 |
| 88 | 0.0200 | 0. | 0.0034 | 0.0680 | 0.5 |
| 108 | 0.0200 | 0. | 0.0034 | 0.0680 | 0.5 |
| 128 | 0.0200 | 0. | 0.0034 | 0.0680 | 0.5 |
| 148 | 0.0200 | 0. | 0.0034 | 0.0680 | 0.5 |
| 168 | 0.0200 | 0. | 0.0034 | 0.0680 | 0.5 |
| 188 | 0.0200 | 0. | 0.0034 | 0.0680 | 0.5 |
| 208 | 0.0200 | 0. | 0.0034 | 0.0680 | 0.5 |
| 228 | 0.0200 | 0. | 0.0034 | 0.0680 | 0.5 |
| 248 | 0.0200 | 0. | 0.0034 | 0.0680 | 0.5 |

```
  268       0.0200      0.  0.0034  0.0680     0.5
  288       0.0200      0.  0.0034  0.0680     0.5
  308       0.0200      0.  0.0034  0.0680     0.5
  328       0.0200      0.  0.0034  0.0680     0.5
  348       0.0200      0.  0.0034  0.0680     0.5
  368       0.0200      0.  0.0034  0.0680     0.5
  388       0.0200      0.  0.0034  0.0680     0.5
  408       0.0200      0.  0.0034  0.0680     0.5
  428       0.0200      0.  0.0034  0.0680     0.5
  448       0.0200      0.  0.0034  0.0680     0.5
  468       0.0200      0.  0.0034  0.0680     0.5
  488       0.0200      0.  0.0034  0.0680     0.5
  508       0.0200      0.  0.0034  0.0680     0.5
  528       0.0200      0.  0.0034  0.0680     0.5
  548       0.0200      0.  0.0034  0.0680     0.5
  568       0.0200      0.  0.0034  0.0680     0.5
  588       0.0200      0.  0.0034  0.0680     0.5
  608       0.0200      0.  0.0034  0.0680     0.5
  628       0.0200      0.  0.0034  0.0680     0.5
  648       0.0200      0.  0.0034  0.0680     0.5
  668       0.0200      0.  0.0034  0.0680     0.5
  END QUAL-INPUT

  QUAL-PROPS
*** <ILS >    Identifiers and Flags
*** x -  x      QUALID    QTID  QSD VPFW  QSO  VQO
   26  668NO3            LBS     0    0    1    0
  END QUAL-PROPS

  QUAL-INPUT
***         Storage on surface and nonseasonal parameters
***           SQO   POTFW   ACQOP  SQOLIM   WSQOP
*** <ILS >  qty/ac qty/ton    qty/  qty/ac   in/hr
*** x -  x                   ac.day
*** Developed, Open
   26       0.0700      0.  0.0145  0.0934     0.5
   46       0.0700      0.  0.0145  0.0934     0.5
   66       0.0700      0.  0.0145  0.0934     0.5
   86       0.0700      0.  0.0145  0.0934     0.5
  106       0.0700      0.  0.0145  0.0934     0.5
  126       0.0700      0.  0.0145  0.0934     0.5
  146       0.0700      0.  0.0145  0.0934     0.5
  166       0.0700      0.  0.0145  0.0934     0.5
  186       0.0700      0.  0.0145  0.0934     0.5
  206       0.0700      0.  0.0145  0.0934     0.5
  226       0.0700      0.  0.0145  0.0934     0.5
  246       0.0700      0.  0.0145  0.0934     0.5
  266       0.0700      0.  0.0145  0.0934     0.5
  286       0.0700      0.  0.0145  0.0934     0.5
  306       0.0700      0.  0.0145  0.0934     0.5
  326       0.0700      0.  0.0145  0.0934     0.5
  346       0.0700      0.  0.0145  0.0934     0.5
  366       0.0700      0.  0.0145  0.0934     0.5
  386       0.0700      0.  0.0145  0.0934     0.5
  406       0.0700      0.  0.0145  0.0934     0.5
  426       0.0700      0.  0.0145  0.0934     0.5
```

| | | | | | |
|---|---|---|---|---|---|
| 446 | 0.0700 | 0. | 0.0145 | 0.0934 | 0.5 |
| 466 | 0.0700 | 0. | 0.0145 | 0.0934 | 0.5 |
| 486 | 0.0700 | 0. | 0.0145 | 0.0934 | 0.5 |
| 506 | 0.0700 | 0. | 0.0145 | 0.0934 | 0.5 |
| 526 | 0.0700 | 0. | 0.0145 | 0.0934 | 0.5 |
| 546 | 0.0700 | 0. | 0.0145 | 0.0934 | 0.5 |
| 566 | 0.0700 | 0. | 0.0145 | 0.0934 | 0.5 |
| 586 | 0.0700 | 0. | 0.0145 | 0.0934 | 0.5 |
| 606 | 0.0700 | 0. | 0.0145 | 0.0934 | 0.5 |
| 626 | 0.0700 | 0. | 0.0145 | 0.0934 | 0.5 |
| 646 | 0.0700 | 0. | 0.0145 | 0.0934 | 0.5 |
| 666 | 0.0700 | 0. | 0.0145 | 0.0934 | 0.5 |

*** Developed, Low

| | | | | | |
|---|---|---|---|---|---|
| 27 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 47 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 67 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 87 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 107 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 127 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 147 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 167 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 187 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 207 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 227 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 247 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 267 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 287 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 307 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 327 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 347 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 367 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 387 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 407 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 427 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 447 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 467 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 487 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 507 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 527 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 547 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 567 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 587 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 607 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 627 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 647 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |
| 667 | 0.1000 | 0. | 0.0232 | 0.1494 | 0.5 |

*** Developed, Med/High

| | | | | | |
|---|---|---|---|---|---|
| 28 | 0.1500 | 0. | 0.0261 | 0.1680 | 0.5 |
| 48 | 0.1500 | 0. | 0.0261 | 0.1680 | 0.5 |
| 68 | 0.1500 | 0. | 0.0261 | 0.1680 | 0.5 |
| 88 | 0.1500 | 0. | 0.0261 | 0.1680 | 0.5 |
| 108 | 0.1500 | 0. | 0.0261 | 0.1680 | 0.5 |
| 128 | 0.1500 | 0. | 0.0261 | 0.1680 | 0.5 |
| 148 | 0.1500 | 0. | 0.0261 | 0.1680 | 0.5 |
| 168 | 0.1500 | 0. | 0.0261 | 0.1680 | 0.5 |
| 188 | 0.1500 | 0. | 0.0261 | 0.1680 | 0.5 |

```
  208       0.1500      0.  0.0261  0.1680     0.5
  228       0.1500      0.  0.0261  0.1680     0.5
  248       0.1500      0.  0.0261  0.1680     0.5
  268       0.1500      0.  0.0261  0.1680     0.5
  288       0.1500      0.  0.0261  0.1680     0.5
  308       0.1500      0.  0.0261  0.1680     0.5
  328       0.1500      0.  0.0261  0.1680     0.5
  348       0.1500      0.  0.0261  0.1680     0.5
  368       0.1500      0.  0.0261  0.1680     0.5
  388       0.1500      0.  0.0261  0.1680     0.5
  408       0.1500      0.  0.0261  0.1680     0.5
  428       0.1500      0.  0.0261  0.1680     0.5
  448       0.1500      0.  0.0261  0.1680     0.5
  468       0.1500      0.  0.0261  0.1680     0.5
  488       0.1500      0.  0.0261  0.1680     0.5
  508       0.1500      0.  0.0261  0.1680     0.5
  528       0.1500      0.  0.0261  0.1680     0.5
  548       0.1500      0.  0.0261  0.1680     0.5
  568       0.1500      0.  0.0261  0.1680     0.5
  588       0.1500      0.  0.0261  0.1680     0.5
  608       0.1500      0.  0.0261  0.1680     0.5
  628       0.1500      0.  0.0261  0.1680     0.5
  648       0.1500      0.  0.0261  0.1680     0.5
  668       0.1500      0.  0.0261  0.1680     0.5
  END QUAL-INPUT

  QUAL-PROPS
*** <ILS >    Identifiers and Flags
*** x -  x      QUALID    QTID  QSD VPFW  QSO  VQO
   26  668ORTHO P         LBS     0    0    1    0
  END QUAL-PROPS

  QUAL-INPUT
***         Storage on surface and nonseasonal parameters
***            SQO   POTFW   ACQOP  SQOLIM   WSQOP
*** <ILS >  qty/ac qty/ton    qty/  qty/ac   in/hr
*** x -  x                    ac.day
*** Developed, Open
   26        0.007      0.  0.0020  0.0097     0.5
   46        0.007      0.  0.0020  0.0097     0.5
   66        0.007      0.  0.0020  0.0097     0.5
   86        0.007      0.  0.0020  0.0097     0.5
  106        0.007      0.  0.0020  0.0097     0.5
  126        0.007      0.  0.0020  0.0097     0.5
  146        0.007      0.  0.0020  0.0097     0.5
  166        0.007      0.  0.0020  0.0097     0.5
  186        0.007      0.  0.0020  0.0097     0.5
  206        0.007      0.  0.0020  0.0097     0.5
  226        0.007      0.  0.0020  0.0097     0.5
  246        0.007      0.  0.0020  0.0097     0.5
  266        0.007      0.  0.0020  0.0097     0.5
  286        0.007      0.  0.0020  0.0097     0.5
  306        0.007      0.  0.0020  0.0097     0.5
  326        0.007      0.  0.0020  0.0097     0.5
  346        0.007      0.  0.0020  0.0097     0.5
  366        0.007      0.  0.0020  0.0097     0.5
```

| | | | | | |
|---|---|---|---|---|---|
| 386 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 406 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 426 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 446 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 466 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 486 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 506 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 526 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 546 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 566 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 586 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 606 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 626 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 646 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |
| 666 | 0.007 | 0. | 0.0020 | 0.0097 | 0.5 |

*** Developed, Low

| | | | | | |
|---|---|---|---|---|---|
| 27 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 47 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 67 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 87 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 107 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 127 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 147 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 167 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 187 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 207 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 227 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 247 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 267 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 287 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 307 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 327 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 347 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 367 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 387 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 407 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 427 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 447 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 467 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 487 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 507 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 527 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 547 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 567 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 587 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 607 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 627 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 647 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |
| 667 | 0.008 | 0. | 0.0029 | 0.0138 | 0.5 |

*** Developed, Med/High

| | | | | | |
|---|---|---|---|---|---|
| 28 | 0.01 | 0. | 0.0032 | 0.0152 | 0.5 |
| 48 | 0.01 | 0. | 0.0032 | 0.0152 | 0.5 |
| 68 | 0.01 | 0. | 0.0032 | 0.0152 | 0.5 |
| 88 | 0.01 | 0. | 0.0032 | 0.0152 | 0.5 |
| 108 | 0.01 | 0. | 0.0032 | 0.0152 | 0.5 |
| 128 | 0.01 | 0. | 0.0032 | 0.0152 | 0.5 |

```
  148        0.01      0.  0.0032  0.0152     0.5
  168        0.01      0.  0.0032  0.0152     0.5
  188        0.01      0.  0.0032  0.0152     0.5
  208        0.01      0.  0.0032  0.0152     0.5
  228        0.01      0.  0.0032  0.0152     0.5
  248        0.01      0.  0.0032  0.0152     0.5
  268        0.01      0.  0.0032  0.0152     0.5
  288        0.01      0.  0.0032  0.0152     0.5
  308        0.01      0.  0.0032  0.0152     0.5
  328        0.01      0.  0.0032  0.0152     0.5
  348        0.01      0.  0.0032  0.0152     0.5
  368        0.01      0.  0.0032  0.0152     0.5
  388        0.01      0.  0.0032  0.0152     0.5
  408        0.01      0.  0.0032  0.0152     0.5
  428        0.01      0.  0.0032  0.0152     0.5
  448        0.01      0.  0.0032  0.0152     0.5
  468        0.01      0.  0.0032  0.0152     0.5
  488        0.01      0.  0.0032  0.0152     0.5
  508        0.01      0.  0.0032  0.0152     0.5
  528        0.01      0.  0.0032  0.0152     0.5
  548        0.01      0.  0.0032  0.0152     0.5
  568        0.01      0.  0.0032  0.0152     0.5
  588        0.01      0.  0.0032  0.0152     0.5
  608        0.01      0.  0.0032  0.0152     0.5
  628        0.01      0.  0.0032  0.0152     0.5
  648        0.01      0.  0.0032  0.0152     0.5
  668        0.01      0.  0.0032  0.0152     0.5
  END QUAL-INPUT

  QUAL-PROPS
*** <ILS >    Identifiers and Flags
*** x -  x      QUALID    QTID  QSD VPFW  QSO  VQO
   26  668BOD            LBS     0    0    1    0
  END QUAL-PROPS

  QUAL-INPUT
***         Storage on surface and nonseasonal parameters
***            SQO   POTFW   ACQOP  SQOLIM   WSQOP
*** <ILS >  qty/ac qty/ton    qty/  qty/ac   in/hr
*** x -  x                    ac.day
*** Developed, Open
   26         0.75      0.  0.1128    1.49     0.5
   46         0.75      0.  0.1128    1.49     0.5
   66         0.75      0.  0.1128    1.49     0.5
   86         0.75      0.  0.1128    1.49     0.5
  106         0.75      0.  0.1128    1.49     0.5
  126         0.75      0.  0.1128    1.49     0.5
  146         0.75      0.  0.1128    1.49     0.5
  166         0.75      0.  0.1128    1.49     0.5
  186         0.75      0.  0.1128    1.49     0.5
  206         0.75      0.  0.1128    1.49     0.5
  226         0.75      0.  0.1128    1.49     0.5
  246         0.75      0.  0.1128    1.49     0.5
  266         0.75      0.  0.1128    1.49     0.5
  286         0.75      0.  0.1128    1.49     0.5
  306         0.75      0.  0.1128    1.49     0.5
```

| | | | | | |
|---|---|---|---|---|---|
| 326 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 346 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 366 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 386 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 406 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 426 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 446 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 466 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 486 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 506 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 526 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 546 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 566 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 586 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 606 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 626 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 646 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |
| 666 | 0.75 | 0. | 0.1128 | 1.49 | 0.5 |

*** Developed, Low

| | | | | | |
|---|---|---|---|---|---|
| 27 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 47 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 67 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 87 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 107 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 127 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 147 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 167 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 187 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 207 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 227 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 247 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 267 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 287 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 307 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 327 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 347 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 367 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 387 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 407 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 427 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 447 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 467 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 487 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 507 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 527 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 547 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 567 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 587 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 607 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 627 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 647 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |
| 667 | 0.80 | 0. | 0.1611 | 2.13 | 0.5 |

*** Developed, Med/High

| | | | | | |
|---|---|---|---|---|---|
| 28 | 0.85 | 0. | 0.1853 | 2.45 | 0.5 |
| 48 | 0.85 | 0. | 0.1853 | 2.45 | 0.5 |
| 68 | 0.85 | 0. | 0.1853 | 2.45 | 0.5 |

```
  88        0.85      0.  0.1853    2.45     0.5
 108        0.85      0.  0.1853    2.45     0.5
 128        0.85      0.  0.1853    2.45     0.5
 148        0.85      0.  0.1853    2.45     0.5
 168        0.85      0.  0.1853    2.45     0.5
 188        0.85      0.  0.1853    2.45     0.5
 208        0.85      0.  0.1853    2.45     0.5
 228        0.85      0.  0.1853    2.45     0.5
 248        0.85      0.  0.1853    2.45     0.5
 268        0.85      0.  0.1853    2.45     0.5
 288        0.85      0.  0.1853    2.45     0.5
 308        0.85      0.  0.1853    2.45     0.5
 328        0.85      0.  0.1853    2.45     0.5
 348        0.85      0.  0.1853    2.45     0.5
 368        0.85      0.  0.1853    2.45     0.5
 388        0.85      0.  0.1853    2.45     0.5
 408        0.85      0.  0.1853    2.45     0.5
 428        0.85      0.  0.1853    2.45     0.5
 448        0.85      0.  0.1853    2.45     0.5
 468        0.85      0.  0.1853    2.45     0.5
 488        0.85      0.  0.1853    2.45     0.5
 508        0.85      0.  0.1853    2.45     0.5
 528        0.85      0.  0.1853    2.45     0.5
 548        0.85      0.  0.1853    2.45     0.5
 568        0.85      0.  0.1853    2.45     0.5
 588        0.85      0.  0.1853    2.45     0.5
 608        0.85      0.  0.1853    2.45     0.5
 628        0.85      0.  0.1853    2.45     0.5
 648        0.85      0.  0.1853    2.45     0.5
 668        0.85      0.  0.1853    2.45     0.5
 END QUAL-INPUT

END IMPLND

RCHRES
 ACTIVITY
*** RCHRES  Active sections
*** x -  x HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG
 100  938    1    2    0    1    1    0    1    1    1    0
 END ACTIVITY

 PRINT-INFO
*** RCHRES  Printout level flags
*** x -  x HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR
 100  938    6    6    6    6    6    6    6    6    6    6    1   12
 END PRINT-INFO

 BINARY-INFO
*** RCHRES  Binary Output level flags
*** x -  x HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR
 100  938    6    6    6    6    6    6    6    6    6    6    1   12
 END BINARY-INFO

 GEN-INFO
***            Name        Nexits   Unit Systems   Printer
*** RCHRES                           t-series  Engl Metr LKFG
```

*** x - x in out

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 100 | Illinois River | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 101 | Farmington Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 102 | 104Goose Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 108 | Hickory Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 110 | 160Illinois River | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 202 | Clear Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 204 | Mud Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 206 | Clear Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 208 | Little Wildcat Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 212 | Clear Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 214 | Hamestring Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 216 | Clear Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 302 | 304Osage Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 306 | 308Spring Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 312 | 314Little Osage Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 316 | Osage Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 318 | 322Brush Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 324 | 326Osage Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 402 | Muddy Fork | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 404 | Blair Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 406 | 408Muddy Fork | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 412 | 414Moores Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 416 | Muddy Fork | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 418 | STREAM 418 | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 420 | STREAM 420 | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 502 | 504Flint Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 505 | Little Flint Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 506 | SWEPCO Lake | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 507 | Little Flint Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 508 | 512Flint Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 514 | Sager Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 515 | STREAM 515 | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 516 | Sager Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 518 | 524Flint Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 600 | Illinois River | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 602 | Weddington Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 604 | 606Cincinnati Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 608 | 609Ballard Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 610 | Illinois River | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 612 | 614Ballard Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 620 | 635Illinois River | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 637 | Illinois River | 2 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 638 | STREAM 638 | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 639 | STREAM 639 | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 640 | 670Illinois River | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 702 | Jordan Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 703 | Bush Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 704 | Jordan Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 705 | Fly Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 706 | 712Baron Fork | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 714 | 722Evansville Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 723 | Peavine Creek | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 724 | Baron Fork | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 725 | Shell Branch | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |
| 726 | Baron Fork | 1 | 1 | 1 | 91 | 0 | 0 | 94 | 0 |

```
 728  732Peacheater Creek        1         1    1   91    0    0   94    0
 736     Baron Fork             1         1    1   91    0    0   94    0
 738  742Tyner Creek            1         1    1   91    0    0   94    0
 746  752Baron Fork             1         1    1   91    0    0   94    0
 800     Illinois River         1         1    1   91    0    0   94    0
 802     Black Fox Springs      1         1    1   91    0    0   94    0
 804  805Dumpling Hollow        1         1    1   91    0    0   94    0
 806     Tahlequah Creek        1         1    1   91    0    0   94    0
 807     Ross Branch            1         1    1   91    0    0   94    0
 808  809Tahlequah Creek        1         1    1   91    0    0   94    0
 810  900Illinois River         1         1    1   91    0    0   94    0
 901  914Caney Creek            1         1    1   91    0    0   94    0
 916     Dry Creek              1         1    1   91    0    0   94    0
 922     Elk Creek              1         1    1   91    0    0   94    0
 924     Test bed               1         1    1   91    0    0   94    0
 936     Terrapin Creek         1         1    1   91    0    0   94    0
 938     Chicken Creek          1         1    1   91    0    0   94    0
 END GEN-INFO

 HYDR-PARM1
***        Flags for HYDR section
***RC HRES  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
*** x  - x  FG FG FG FG  possible   exit *** possible   exit     possible   exit
 100  635   0  1  1  1    4  0  0  0  0       0  0  0  0  0       1  1  1  1  1
 637        0  1  1  1    0  4  0  0  0       1  0  0  0  0       1  1  1  1  1
 638  938   0  1  1  1    4  0  0  0  0       0  0  0  0  0       1  1  1  1  1
 END HYDR-PARM1

 HYDR-PARM2
*** RCHRES FTBW FTBU      LEN     DELTH     STCOR        KS      DB50
*** x -  x            (miles)      (ft)      (ft)              (in)
 100        0  100      6.69       511       3.2       0.3      0.01
 101        0  101      1.35        62       3.2       0.2      0.01
 102        0  102      2.85       172       3.2       0.3      0.01
 104        0  104      3.69       111       3.2       0.3      0.01
 108        0  108      2.63       107       3.2       0.3      0.01
 110        0  110      4.43        95       3.2       0.3      0.01
 120        0  120      4.61        67       3.2       0.3      0.01
 130        0  130      5.02        64       3.2       0.3      0.01
 140        0  140      2.69        32       3.2       0.3      0.01
 150        0  150      2.76        30       3.2       0.3      0.01
 160        0  160      8.91        70       3.2       0.3      0.01
 202        0  202      4.64       118       3.2       0.3      0.01
 204        0  204      4.56       162       3.2       0.3      0.01
 206        0  206      6.89       131       3.2       0.3      0.01
 208        0  208      6.18       262       3.2       0.3      0.01
 212        0  212      3.31        58       3.2       0.3      0.01
 214        0  214      7.31       215       3.2       0.3      0.01
 216        0  216      3.48        66       3.2       0.3      0.01
 302        0  302       8.8       194       3.2       0.3      0.01
 304        0  304      5.71        89       3.2       0.3      0.01
 306        0  306      4.94       148       3.2       0.3      0.01
 308        0  308      6.03       141       3.2       0.3      0.01
 312        0  312      6.38       197       3.2       0.3      0.01
 314        0  314      5.82        89       3.2       0.3      0.01
 316        0  316      3.07        39       3.2       0.3      0.01
```

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 318 | 0 | 318 | 4.68 | 115 | 3.2 | 0.3 | 0.01 |
| 322 | 0 | 322 | 7.76 | 213 | 3.2 | 0.3 | 0.01 |
| 324 | 0 | 324 | 3.54 | 66 | 3.2 | 0.3 | 0.01 |
| 326 | 0 | 326 | 6.09 | 69 | 3.2 | 0.3 | 0.01 |
| 402 | 0 | 402 | 4.69 | 293 | 3.2 | 0.3 | 0.01 |
| 404 | 0 | 404 | 6.54 | 633 | 3.2 | 0.3 | 0.01 |
| 406 | 0 | 406 | 3.24 | 46 | 3.2 | 0.3 | 0.01 |
| 408 | 0 | 408 | 3.98 | 51 | 3.2 | 0.3 | 0.01 |
| 412 | 0 | 412 | 7.01 | 312 | 3.2 | 0.3 | 0.01 |
| 414 | 0 | 414 | 4.59 | 158 | 3.2 | 0.3 | 0.01 |
| 416 | 0 | 416 | 3.96 | 64 | 3.2 | 0.3 | 0.01 |
| 418 | 0 | 418 | 0.78 | 50 | 3.2 | 0.2 | 0.01 |
| 420 | 0 | 420 | 1.46 | 139 | 3.2 | 0.3 | 0.01 |
| 502 | 0 | 502 | 3.67 | 131 | 3.2 | 0.3 | 0.01 |
| 504 | 0 | 504 | 7.46 | 157 | 3.2 | 0.3 | 0.01 |
| 505 | 0 | 505 | 5.11 | 233 | 3.2 | 0.3 | 0.01 |
| 506 | 0 | 506 | 3.14 | 33 | 3.2 | 0.3 | 0.01 |
| 507 | 0 | 507 | 1.85 | 151 | 3.2 | 0.3 | 0.01 |
| 508 | 0 | 508 | 1.47 | 39 | 3.2 | 0.3 | 0.01 |
| 512 | 0 | 512 | 2.59 | 50 | 3.2 | 0.3 | 0.01 |
| 514 | 0 | 514 | 6.8 | 161 | 3.2 | 0.3 | 0.01 |
| 515 | 0 | 515 | 2.73 | 125 | 3.2 | 0.3 | 0.01 |
| 516 | 0 | 516 | 3.42 | 90 | 3.2 | 0.3 | 0.01 |
| 518 | 0 | 518 | 7.84 | 72 | 3.2 | 0.3 | 0.01 |
| 522 | 0 | 522 | 1.94 | 40 | 3.2 | 0.3 | 0.01 |
| 523 | 0 | 523 | 0.76 | 6 | 3.2 | 0.3 | 0.01 |
| 524 | 0 | 524 | 1.58 | 20 | 3.2 | 0.3 | 0.01 |
| 600 | 0 | 600 | 3.12 | 39 | 3.2 | 0.3 | 0.01 |
| 602 | 0 | 602 | 9.1 | 621 | 3.2 | 0.3 | 0.01 |
| 604 | 0 | 604 | 10.91 | 615 | 3.2 | 0.3 | 0.01 |
| 606 | 0 | 606 | 1.29 | 17 | 3.2 | 0.3 | 0.01 |
| 608 | 0 | 608 | 8.62 | 351 | 3.2 | 0.3 | 0.01 |
| 609 | 0 | 609 | 1.55 | 36 | 3.2 | 0.3 | 0.01 |
| 610 | 0 | 610 | 4.98 | 72 | 3.2 | 0.3 | 0.01 |
| 612 | 0 | 612 | 1.7 | 34 | 3.2 | 0.3 | 0.01 |
| 614 | 0 | 614 | 8.93 | 129 | 3.2 | 0.3 | 0.01 |
| 620 | 0 | 620 | 4.47 | 59 | 3.2 | 0.3 | 0.01 |
| 630 | 0 | 630 | 0.54 | 4 | 3.2 | 0.3 | 0.01 |
| 635 | 0 | 635 | 1.07 | 10 | 3.2 | 0.3 | 0.01 |
| 637 | 0 | 637 | 2.89 | 19 | 3.2 | 0.3 | 0.01 |
| 638 | 0 | 638 | 2.4 | 207 | 3.2 | 0.3 | 0.01 |
| 639 | 0 | 639 | 1.43 | 62 | 3.2 | 0.3 | 0.01 |
| 640 | 0 | 640 | 0.48 | 4 | 3.2 | 0.3 | 0.01 |
| 650 | 0 | 650 | 3.33 | 16 | 3.2 | 0.3 | 0.01 |
| 660 | 0 | 660 | 4.9 | 38 | 3.2 | 0.3 | 0.01 |
| 670 | 0 | 670 | 5.17 | 21 | 3.2 | 0.3 | 0.01 |
| 702 | 0 | 702 | 5.98 | 458 | 3.2 | 0.3 | 0.01 |
| 703 | 0 | 703 | 2.31 | 275 | 3.2 | 0.3 | 0.01 |
| 704 | 0 | 704 | 3.18 | 103 | 3.2 | 0.3 | 0.01 |
| 705 | 0 | 705 | 5.11 | 62 | 3.2 | 0.3 | 0.01 |
| 706 | 0 | 706 | 2.17 | 27 | 3.2 | 0.3 | 0.01 |
| 708 | 0 | 708 | 2.94 | 65 | 3.2 | 0.3 | 0.01 |
| 712 | 0 | 712 | 4.19 | 103 | 3.2 | 0.3 | 0.01 |
| 714 | 0 | 714 | 7.36 | 633 | 3.2 | 0.3 | 0.01 |
| 716 | 0 | 716 | 4.47 | 104 | 3.2 | 0.3 | 0.01 |
| 718 | 0 | 718 | 6.04 | 71 | 3.2 | 0.3 | 0.01 |

```
 722        0  722     2.98       55      3.2      0.3      0.01
 723        0  723     7.22      265      3.2      0.3      0.01
 724        0  724     3.15       40      3.2      0.3      0.01
 725        0  725     4.49      164      3.2      0.3      0.01
 726        0  726      6.6       71      3.2      0.3      0.01
 728        0  728     6.13      240      3.2      0.3      0.01
 732        0  732     4.09      105      3.2      0.3      0.01
 736        0  736     5.96       45      3.2      0.3      0.01
 738        0  738     6.53      264      3.2      0.3      0.01
 742        0  742     7.34      136      3.2      0.3      0.01
 746        0  746     6.33       42      3.2      0.3      0.01
 748        0  748     3.21       40      3.2      0.3      0.01
 751        0  751     3.73       31      3.2      0.3      0.01
 752        0  752     1.84       21      3.2      0.3      0.01
 800        0  800     7.01       34      3.2      0.3      0.01
 802        0  802     6.29      399      3.2      0.3      0.01
 804        0  804     4.19      224      3.2      0.3      0.01
 805        0  805     5.18      173      3.2      0.3      0.01
 806        0  806     6.22      352      3.2      0.3      0.01
 807        0  807     4.56      276      3.2      0.3      0.01
 808        0  808     1.11       26      3.2      0.3      0.01
 809        0  809     0.75       19      3.2      0.3      0.01
 810        0  810     2.85       20      3.2      0.3      0.01
 820        0  820     2.79        7      3.2      0.3      0.01
 830        0  830     3.43       28      3.2      0.3      0.01
 840        0  840     4.89       20      3.2      0.3      0.01
 850        0  850     3.69       23      3.2      0.3      0.01
 860        0  860     6.24       90      3.2      0.3      0.01
 870        0  870     8.83       45      3.2      0.3      0.01
 880        0  880     4.39       20      3.2      0.3      0.01
 890        0  890     3.06       22      3.2      0.3      0.01
 900        0  900     9.46        9      3.2      0.3      0.01
 901        0  901     2.74      155      3.2      0.3      0.01
 902        0  902     3.64      130      3.2      0.3      0.01
 904        0  904     3.42       86      3.2      0.3      0.01
 906        0  906     3.87       94      3.2      0.3      0.01
 908        0  908     4.03       75      3.2      0.3      0.01
 912        0  912     2.68       44      3.2      0.3      0.01
 914        0  914     2.24        7      3.2      0.3      0.01
 916        0  916    10.14      489      3.2      0.3      0.01
 924        0  924     6.42      574      3.2      0.3      0.01
 922        0  922     8.33      417      3.2      0.3      0.01
 936        0  936     6.42      574      3.2      0.3      0.01
 938        0  938     3.59      523      3.2      0.3      0.01
 END HYDR-PARM2

 HYDR-INIT
***        Initial conditions for HYDR section
***RC HRES       VOL  CAT Initial value  of COLIND     initial  value  of OUTDGT
*** x  - x     ac-ft      for each possible   exit  for each possible exit,ft3
 100          6.02       0.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 101          0.57       0.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 102          0.59       0.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 104          4.71       0.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 108          1.79       0.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 110          9.69       0.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
```

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 120 | 17.53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130 | 22.46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140 | 15.61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150 | 32.60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160 | 108.54 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 202 | 3.61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 204 | 5.38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 206 | 17.37 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 208 | 3.86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 212 | 10.02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 214 | 7.47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 216 | 12.88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 302 | 13.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 304 | 22.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 306 | 5.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 308 | 15.89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 312 | 11.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 314 | 15.22 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 316 | 26.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 318 | 3.64 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 322 | 12.05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 324 | 28.38 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 326 | 69.73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 402 | 2.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 404 | 3.31 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 406 | 7.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 408 | 11.33 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 412 | 7.07 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 414 | 8.66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 416 | 19.32 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 418 | 0.26 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 420 | 0.53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 502 | 1.98 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 504 | 10.42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 505 | 2.34 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 506 | 3.68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 507 | 1.19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 508 | 2.02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 512 | 6.15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 514 | 5.35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 515 | 0.40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 516 | 1.19 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 518 | 47.15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 522 | 12.78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 523 | 8.48 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 524 | 13.11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 600 | 57.08 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 602 | 13.09 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 604 | 14.98 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 606 | 5.74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 608 | 19.29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 609 | 4.43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 610 | 80.44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 612 | 5.93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 614 | 51.86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 620 | 94.63 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630 | 16.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 635 | 40.55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 637 | 141.68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 638 | 1.12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 639 | 1.05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 640 | 19.89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 650 | 67.59 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 660 | 91.68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 670 | 125.84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 702 | 2.93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 703 | 0.70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 704 | 4.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 705 | 7.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 706 | 6.17 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 708 | 14.76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 712 | 24.49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 714 | 10.58 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 716 | 22.15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 718 | 40.70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 722 | 18.73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 723 | 10.41 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 724 | 36.56 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 725 | 7.43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 726 | 104.43 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 728 | 12.62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 732 | 11.76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 736 | 120.99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 738 | 11.91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 742 | 32.05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 746 | 175.30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 748 | 77.86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 751 | 77.90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 752 | 34.66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 800 | 257.14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 802 | 11.44 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 804 | 2.27 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 805 | 5.72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 806 | 13.47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 807 | 6.57 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 808 | 4.46 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 809 | 2.73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 810 | 82.53 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 820 | 125.08 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 830 | 107.62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 840 | 202.69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 850 | 131.42 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 860 | 172.49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 870 | 382.14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 880 | 190.04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 890 | 119.99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 900 | 374.16 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 901 | 2.12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 902 | 6.98 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 904 | 11.49 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 906 | 17.82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 908 | 20.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

```
  912        21.28      0.0  0.0  0.0  0.0  0.0      0.0  0.0  0.0  0.0  0.0
  914        29.72      0.0  0.0  0.0  0.0  0.0      0.0  0.0  0.0  0.0  0.0
  916        22.23      0.0  0.0  0.0  0.0  0.0      0.0  0.0  0.0  0.0  0.0
  922 924     12.19      0.0  0.0  0.0  0.0  0.0      0.0  0.0  0.0  0.0  0.0
  936         4.43      0.0  0.0  0.0  0.0  0.0      0.0  0.0  0.0  0.0  0.0
  938         0.72      0.0  0.0  0.0  0.0  0.0      0.0  0.0  0.0  0.0  0.0
  END HYDR-INIT

  HT-BED-FLAGS
*** RCHRES
*** x -  x BDFG TGFG TSTP
  100  938    1    3
  END HT-BED-FLAGS

  HEAT-PARM
*** RCHRES      ELEV     ELDAT    CFSAEX    KATRAD     KCOND     KEVAP
*** x -  x      (ft)      (ft)
  100         1475.      205.      0.25     15.00      6.12      2.24
  101         1163.     -107.      0.35     15.00      6.12      2.24
  102         1214.      -56.      0.40     15.00      6.12      2.24
  104         1115.     -155.      0.35     15.00      6.12      2.24
  108         1188.      -82.      0.50     15.00      6.12      2.24
  110         1180.      -90.      0.55     15.00      6.12      2.24
  120         1122.     -148.      0.65     15.00      6.12      2.24
  130         1084.     -186.      0.65     15.00      6.12      2.24
  140         1048.     -222.      0.70     15.00      6.12      2.24
  150         1036.     -234.      0.75     15.00      6.12      2.24
  160         1006.     -264.      0.75     15.00      6.12      2.24
  202         1293.       23.      0.25     15.00      6.12      2.24
  204         1242.      -28.      0.35     15.00      6.12      2.24
  206         1158.     -112.      0.35     15.00      6.12      2.24
  208         1220.      -50.      0.25     15.00      6.12      2.24
  212         1086.     -184.      0.50     15.00      6.12      2.24
  214         1167.     -103.      0.25     15.00      6.12      2.24
  216         1055.     -215.      0.50     15.00      6.12      2.24
  302         1261.       41.      0.25     15.00      6.12      2.24
  304         1130.      -90.      0.50     15.00      6.12      2.24
  306         1278.       58.      0.25     15.00      6.12      2.24
  308         1156.      -64.      0.35     15.00      6.12      2.24
  312         1237.       17.      0.25     15.00      6.12      2.24
  314         1107.     -113.      0.50     15.00      6.12      2.24
  316         1076.     -144.      0.65     15.00      6.12      2.24
  318         1291.       21.      0.25     15.00      6.12      2.24
  322         1130.     -140.      0.35     15.00      6.12      2.24
  324         1060.     -134.      0.75     15.00      6.12      2.24
  326         1009.     -185.      0.75     15.00      6.12      2.24
  402         1284.       14.      0.25     15.00      6.12      2.24
  404         1450.      180.      0.25     15.00      6.12      2.24
  406         1116.     -154.      0.50     15.00      6.12      2.24
  408         1084.     -110.      0.60     15.00      6.12      2.24
  412         1332.      138.      0.25     15.00      6.12      2.24
  414         1138.      -56.      0.50     15.00      6.12      2.24
  416         1065.     -129.      0.65     15.00      6.12      2.24
  418         1145.      -49.      0.25     15.00      6.12      2.24
  420         1098.      -96.      0.35     15.00      6.12      2.24
  502         1237.       43.      0.35     15.00      6.12      2.24
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| | | | | | | |
|---|---|---|---|---|---|---|
| 504 | 1119. | -75. | 0.50 | 15.00 | 6.12 | 2.24 |
| 505 | 1261. | 67. | 0.25 | 15.00 | 6.12 | 2.24 |
| 506 | 1148. | -46. | 0.35 | 15.00 | 6.12 | 2.24 |
| 507 | 1076. | -118. | 0.40 | 15.00 | 6.12 | 2.24 |
| 508 | 1024. | -170. | 0.50 | 15.00 | 6.12 | 2.24 |
| 512 | 985. | -209. | 0.60 | 15.00 | 6.12 | 2.24 |
| 514 | 1117. | -77. | 0.25 | 15.00 | 6.12 | 2.24 |
| 515 | 1079. | -115. | 0.25 | 15.00 | 6.12 | 2.24 |
| 516 | 1011. | -183. | 0.35 | 15.00 | 6.12 | 2.24 |
| 518 | 930. | -260. | 0.65 | 15.00 | 6.12 | 2.24 |
| 522 | 880. | -310. | 0.65 | 15.00 | 6.12 | 2.24 |
| 523 | 860. | -330. | 0.65 | 15.00 | 6.12 | 2.24 |
| 524 | 851. | -339. | 0.70 | 15.00 | 6.12 | 2.24 |
| 600 | 981. | -213. | 0.85 | 15.00 | 6.12 | 2.24 |
| 602 | 1257. | 63. | 0.35 | 15.00 | 6.12 | 2.24 |
| 604 | 1249. | 55. | 0.35 | 15.00 | 6.12 | 2.24 |
| 606 | 938. | -256. | 0.65 | 15.00 | 6.12 | 2.24 |
| 608 | 1279. | 137. | 0.30 | 15.00 | 6.12 | 2.24 |
| 609 | 1097. | -45. | 0.50 | 15.00 | 6.12 | 2.24 |
| 610 | 971. | -223. | 0.85 | 15.00 | 6.12 | 2.24 |
| 612 | 1064. | -78. | 0.50 | 15.00 | 6.12 | 2.24 |
| 614 | 985. | -157. | 0.55 | 15.00 | 6.12 | 2.24 |
| 620 | 942. | -252. | 0.85 | 15.00 | 6.12 | 2.24 |
| 630 | 932. | -262. | 0.65 | 15.00 | 6.12 | 2.24 |
| 635 | 929. | -265. | 0.65 | 15.00 | 6.12 | 2.24 |
| 637 | 915. | -279. | 0.65 | 15.00 | 6.12 | 2.24 |
| 638 | 1055. | -139. | 0.25 | 15.00 | 6.12 | 2.24 |
| 639 | 930. | -212. | 0.35 | 15.00 | 6.12 | 2.24 |
| 640 | 886. | -256. | 0.85 | 15.00 | 6.12 | 2.24 |
| 650 | 897. | -245. | 0.85 | 15.00 | 6.12 | 2.24 |
| 660 | 875. | -267. | 0.85 | 15.00 | 6.12 | 2.24 |
| 670 | 851. | -339. | 0.85 | 15.00 | 6.12 | 2.24 |
| 702 | 1333. | 191. | 0.25 | 15.00 | 6.12 | 2.24 |
| 703 | 1227. | 85. | 0.25 | 15.00 | 6.12 | 2.24 |
| 704 | 1073. | -69. | 0.50 | 15.00 | 6.12 | 2.24 |
| 705 | 1122. | -20. | 0.50 | 15.00 | 6.12 | 2.24 |
| 706 | 1003. | -139. | 0.65 | 15.00 | 6.12 | 2.24 |
| 708 | 977. | -165. | 0.65 | 15.00 | 6.12 | 2.24 |
| 712 | 937. | -205. | 0.70 | 15.00 | 6.12 | 2.24 |
| 714 | 1377. | 235. | 0.25 | 15.00 | 6.12 | 2.24 |
| 716 | 1045. | -97. | 0.50 | 15.00 | 6.12 | 2.24 |
| 718 | 969. | -173. | 0.50 | 15.00 | 6.12 | 2.24 |
| 722 | 908. | -234. | 0.50 | 15.00 | 6.12 | 2.24 |
| 723 | 989. | -153. | 0.40 | 15.00 | 6.12 | 2.24 |
| 724 | 875. | -267. | 0.65 | 15.00 | 6.12 | 2.24 |
| 725 | 941. | -201. | 0.25 | 15.00 | 6.12 | 2.24 |
| 726 | 831. | -311. | 0.65 | 15.00 | 6.12 | 2.24 |
| 728 | 1021. | -121. | 0.35 | 15.00 | 6.12 | 2.24 |
| 732 | 849. | -293. | 0.50 | 15.00 | 6.12 | 2.24 |
| 736 | 781. | -361. | 0.65 | 15.00 | 6.12 | 2.24 |
| 738 | 1029. | -113. | 0.25 | 15.00 | 6.12 | 2.24 |
| 742 | 828. | -314. | 0.50 | 15.00 | 6.12 | 2.24 |
| 746 | 741. | -210. | 0.75 | 15.00 | 6.12 | 2.24 |
| 748 | 700. | -251. | 0.75 | 15.00 | 6.12 | 2.24 |
| 751 | 674. | -277. | 0.80 | 15.00 | 6.12 | 2.24 |
| 752 | 648. | -303. | 0.80 | 15.00 | 6.12 | 2.24 |

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  800          829.    -361.     0.85    15.00     6.12     2.24
  802         1000.    -190.     0.35    15.00     6.12     2.24
  804          959.    -183.     0.25    15.00     6.12     2.24
  805          803.    -148.     0.50    15.00     6.12     2.24
  806          878.     -73.     0.25    15.00     6.12     2.24
  807          836.    -115.     0.25    15.00     6.12     2.24
  808          688.    -263.     0.50    15.00     6.12     2.24
  809          669.    -282.     0.55    15.00     6.12     2.24
  810          811.    -379.     0.85    15.00     6.12     2.24
  820          798.    -392.     0.85    15.00     6.12     2.24
  830          786.    -404.     0.85    15.00     6.12     2.24
  840          766.    -185.     0.90    15.00     6.12     2.24
  850          749.    -202.     0.90    15.00     6.12     2.24
  860          756.    -195.     0.90    15.00     6.12     2.24
  870          698.    -253.     0.95    15.00     6.12     2.24
  880          670.    -281.     0.95    15.00     6.12     2.24
  890          650.    -301.     0.95    15.00     6.12     2.24
  900          636.    -345.     0.95    15.00     6.12     2.24
  901         1101.     -41.     0.25    15.00     6.12     2.24
  902          966.    -176.     0.35    15.00     6.12     2.24
  904          862.    -280.     0.50    15.00     6.12     2.24
  906          797.    -345.     0.65    15.00     6.12     2.24
  908          718.    -263.     0.70    15.00     6.12     2.24
  912          660.    -321.     0.70    15.00     6.12     2.24
  914          636.    -345.     0.80    15.00     6.12     2.24
  916          877.    -104.     0.35    15.00     6.12     2.24
  922  924     841.    -140.     0.35    15.00     6.12     2.24
  936          920.     -61.     0.30    15.00     6.12     2.24
  938          895.     -86.     0.25    15.00     6.12     2.24
  END HEAT-PARM

  HT-BED-PARM
*** RCHRES    MUDDEP     TGRND      KMUD     KGRND
*** x -  x        ft     deg F    (kcal/m2/C/hr)
  100  938       1.0       50.      30.0      1.42
  END HT-BED-PARM

  MON-HT-TGRND
*** RCHRES  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC
*** x -  x
  100  938  48.  48.  52.  56.  60.  62.  65.  65.  65.  55.  50.  48.
  END MON-HT-TGRND

  HEAT-INIT
*** RCHRES        TW    AIRTMP
*** x -  x   (deg F)   (deg F)
  100  938       40.       35.
  END HEAT-INIT

  SANDFG
*** RCHRES
*** x -  x SNDFG
  100  938     3
  END SANDFG

  SED-GENPARM
```

| *** RCHRES | BEDWID | BEDWRN | POR |
|---|---|---|---|
| *** x - x | (ft) | (ft) | |
| 100 | 14.8 | 4.0 | 0.4 |
| 101 | 10.0 | 4.0 | 0.4 |
| 102 | 10.0 | 4.0 | 0.4 |
| 104 | 15.5 | 4.0 | 0.4 |
| 108 | 10.9 | 6.0 | 0.4 |
| 110 | 19.5 | 6.0 | 0.4 |
| 120 | 26.5 | 8.0 | 0.4 |
| 130 | 28.6 | 8.0 | 0.4 |
| 140 | 33.2 | 8.0 | 0.4 |
| 150 | 30.0 | 10.0 | 0.4 |
| 160 | 56.7 | 10.0 | 0.4 |
| 202 | 11.3 | 4.0 | 0.4 |
| 204 | 15.1 | 6.0 | 0.4 |
| 206 | 22.8 | 6.0 | 0.4 |
| 208 | 11.0 | 4.0 | 0.4 |
| 212 | 26.8 | 6.0 | 0.4 |
| 214 | 14.2 | 4.0 | 0.4 |
| 216 | 31.4 | 6.0 | 0.4 |
| 302 | 26.0 | 4.0 | 0.4 |
| 304 | 50.0 | 6.0 | 0.4 |
| 306 | 16.0 | 4.0 | 0.4 |
| 308 | 20.0 | 6.0 | 0.4 |
| 312 | 16.7 | 6.0 | 0.4 |
| 314 | 31.0 | 8.0 | 0.4 |
| 316 | 82.0 | 10.0 | 0.4 |
| 318 | 10.3 | 4.0 | 0.4 |
| 322 | 17.8 | 6.0 | 0.4 |
| 324 | 42.8 | 10.0 | 0.4 |
| 326 | 50.5 | 10.0 | 0.4 |
| 402 | 10.0 | 4.0 | 0.4 |
| 404 | 11.6 | 4.0 | 0.4 |
| 406 | 19.3 | 6.0 | 0.4 |
| 408 | 21.4 | 6.0 | 0.4 |
| 412 | 13.1 | 4.0 | 0.4 |
| 414 | 18.1 | 6.0 | 0.4 |
| 416 | 30.7 | 8.0 | 0.4 |
| 418 | 10.0 | 4.0 | 0.4 |
| 420 | 10.0 | 4.0 | 0.4 |
| 502 | 11.0 | 6.0 | 0.4 |
| 504 | 19.7 | 6.0 | 0.4 |
| 505 | 10.3 | 4.0 | 0.4 |
| 506 | 13.9 | 4.0 | 0.4 |
| 507 | 15.0 | 4.0 | 0.4 |
| 508 | 20.4 | 6.0 | 0.4 |
| 512 | 20.0 | 6.0 | 0.4 |
| 514 | 13.4 | 4.0 | 0.4 |
| 515 | 10.0 | 4.0 | 0.4 |
| 516 | 20.0 | 4.0 | 0.4 |
| 518 | 35.3 | 6.0 | 0.4 |
| 522 | 38.1 | 6.0 | 0.4 |
| 523 | 100.0 | 6.0 | 0.4 |
| 524 | 39.9 | 8.0 | 0.4 |
| 600 | 77.3 | 10.0 | 0.4 |
| 602 | 17.7 | 6.0 | 0.4 |

| | | | |
|---|---|---|---|
| 604 | 16.6 | 8.0 | 0.4 |
| 606 | 25.1 | 8.0 | 0.4 |
| 608 | 17.1 | 6.0 | 0.4 |
| 609 | 17.7 | 6.0 | 0.4 |
| 610 | 40.0 | 10.0 | 0.4 |
| 612 | 19.2 | 6.0 | 0.4 |
| 614 | 24.4 | 6.0 | 0.4 |
| 620 | 78.7 | 10.0 | 0.4 |
| 630 | 90.0 | 10.0 | 0.4 |
| 635 | 82.3 | 10.0 | 0.4 |
| 637 | 86.0 | 10.0 | 0.4 |
| 638 | 10.0 | 4.0 | 0.4 |
| 639 | 10.0 | 4.0 | 0.4 |
| 640 | 80.0 | 10.0 | 0.4 |
| 650 | 86.7 | 10.0 | 0.4 |
| 660 | 88.5 | 10.0 | 0.4 |
| 670 | 89.6 | 10.0 | 0.4 |
| 702 | 10.0 | 6.0 | 0.4 |
| 703 | 10.0 | 4.0 | 0.4 |
| 704 | 16.2 | 6.0 | 0.4 |
| 705 | 10.0 | 6.0 | 0.4 |
| 706 | 20.0 | 8.0 | 0.4 |
| 708 | 26.1 | 8.0 | 0.4 |
| 712 | 29.9 | 8.0 | 0.4 |
| 714 | 18.1 | 6.0 | 0.4 |
| 716 | 24.3 | 6.0 | 0.4 |
| 718 | 27.5 | 6.0 | 0.4 |
| 722 | 29.6 | 6.0 | 0.4 |
| 723 | 14.0 | 6.0 | 0.4 |
| 724 | 42.5 | 8.0 | 0.4 |
| 725 | 14.3 | 4.0 | 0.4 |
| 726 | 50.9 | 8.0 | 0.4 |
| 728 | 15.0 | 6.0 | 0.4 |
| 732 | 10.0 | 6.0 | 0.4 |
| 736 | 55.8 | 8.0 | 0.4 |
| 738 | 14.5 | 4.0 | 0.4 |
| 742 | 23.4 | 6.0 | 0.4 |
| 746 | 70.0 | 10.0 | 0.4 |
| 748 | 63.6 | 10.0 | 0.4 |
| 751 | 64.3 | 10.0 | 0.4 |
| 752 | 64.7 | 10.0 | 0.4 |
| 800 | 100.0 | 10.0 | 0.4 |
| 802 | 14.7 | 4.0 | 0.4 |
| 804 | 10.9 | 4.0 | 0.4 |
| 805 | 15.1 | 6.0 | 0.4 |
| 806 | 10.0 | 4.0 | 0.4 |
| 807 | 10.0 | 4.0 | 0.4 |
| 808 | 13.9 | 6.0 | 0.4 |
| 809 | 14.3 | 6.0 | 0.4 |
| 810 | 99.0 | 10.0 | 0.4 |
| 820 | 100.0 | 10.0 | 0.4 |
| 830 | 100.0 | 10.0 | 0.4 |
| 840 | 100.0 | 10.0 | 0.4 |
| 850 | 100.0 | 10.0 | 0.4 |
| 860 | 100.0 | 10.0 | 0.4 |
| 870 | 100.0 | 10.0 | 0.4 |

```
 880        100.0     10.0      0.4
 890        100.0     10.0      0.4
 900        100.0     10.0      0.4
 901         10.0      4.0      0.4
 902         13.4      4.0      0.4
 904         19.8      8.0      0.4
 906         27.1      8.0      0.4
 908         30.5      8.0      0.4
 912         30.0      8.0      0.4
 914         34.7      8.0      0.4
 916         19.2      4.0      0.4
 922  924     16.6      4.0      0.4
 936         11.7      4.0      0.4
 938         10.0      4.0      0.4
 END SED-GENPARM

 SAND-PM
*** RCHRES        D        W      RHO     KSAND    EXPSND
*** x -  x      (in)  (in/sec)  (gm/cm3)
 100        0.005     0.02      2.5      0.10      3.0
 101        0.005     0.02      2.5      0.30      3.0
 102        0.005     0.02      2.5      0.95      3.0
 104        0.005     0.02      2.5      0.40      3.0
 108        0.005     0.02      2.5      0.40      3.0
 110        0.005     0.02      2.5      0.30      3.0
 120        0.005     0.02      2.5      0.40      3.0
 130        0.005     0.02      2.5      0.30      3.0
 140        0.005     0.02      2.5      0.60      2.5
 150        0.005     0.02      2.5      0.50      2.5
 160        0.005     0.02      2.5      0.40      2.5
 202        0.005     0.02      2.5      0.55      3.0
 204        0.005     0.02      2.5      0.20      3.0
 206        0.005     0.02      2.5      0.35      3.0
 208        0.005     0.02      2.5      0.90      3.0
 212        0.005     0.02      2.5      0.20      3.0
 214        0.005     0.02      2.5      0.80      3.0
 216        0.005     0.02      2.5      0.30      3.0
 302        0.005     0.02      2.5      0.45      3.0
 304        0.005     0.02      2.5      0.65      3.0
 306        0.005     0.02      2.5      0.45      3.0
 308        0.005     0.02      2.5      0.75      3.0
 312        0.005     0.02      2.5      0.90      3.0
 314        0.005     0.02      2.5      1.30      3.0
 316        0.005     0.02      2.5      0.85      3.0
 318        0.005     0.02      2.5      0.50      3.0
 322        0.005     0.02      2.5      0.55      3.0
 324        0.005     0.02      2.5      0.50      2.5
 326        0.005     0.02      2.5      0.45      2.5
 402        0.005     0.02      2.5      0.65      3.0
 404        0.005     0.02      2.5      0.70      3.0
 406        0.005     0.02      2.5      1.10      3.0
 408        0.005     0.02      2.5      1.10      3.0
 412        0.005     0.02      2.5      0.75      3.0
 414        0.005     0.02      2.5      0.60      3.0
 416        0.005     0.02      2.5      0.80      3.0
 418        0.005     0.02      2.5      0.50      3.0
```

| | | | | | |
|---|---|---|---|---|---|
| 420 | 0.005 | 0.02 | 2.5 | 0.25 | 3.0 |
| 502 | 0.005 | 0.02 | 2.5 | 0.60 | 3.0 |
| 504 | 0.005 | 0.02 | 2.5 | 1.00 | 3.0 |
| 505 | 0.005 | 0.02 | 2.5 | 1.00 | 3.0 |
| 506 | 0.005 | 0.02 | 2.5 | 0.10 | 2.0 |
| 507 | 0.005 | 0.02 | 2.5 | 0.09 | 2.5 |
| 508 | 0.005 | 0.02 | 2.5 | 0.88 | 2.5 |
| 512 | 0.005 | 0.02 | 2.5 | 0.85 | 2.5 |
| 514 | 0.005 | 0.02 | 2.5 | 0.80 | 3.0 |
| 515 | 0.005 | 0.02 | 2.5 | 1.00 | 3.0 |
| 516 | 0.005 | 0.02 | 2.5 | 0.20 | 2.5 |
| 518 | 0.005 | 0.02 | 2.5 | 0.80 | 2.5 |
| 522 | 0.005 | 0.02 | 2.5 | 0.38 | 2.0 |
| 523 | 0.005 | 0.02 | 2.5 | 0.60 | 2.5 |
| 524 | 0.005 | 0.02 | 2.5 | 0.30 | 2.5 |
| 600 | 0.005 | 0.02 | 2.5 | 0.25 | 2.0 |
| 602 | 0.005 | 0.02 | 2.5 | 0.20 | 3.0 |
| 604 | 0.005 | 0.02 | 2.5 | 0.30 | 3.0 |
| 606 | 0.005 | 0.02 | 2.5 | 0.90 | 3.0 |
| 608 | 0.005 | 0.02 | 2.5 | 1.20 | 2.5 |
| 609 | 0.005 | 0.02 | 2.5 | 1.50 | 2.5 |
| 610 | 0.005 | 0.02 | 2.5 | 0.25 | 2.0 |
| 612 | 0.005 | 0.02 | 2.5 | 1.00 | 2.5 |
| 614 | 0.005 | 0.02 | 2.5 | 1.25 | 2.5 |
| 620 | 0.005 | 0.02 | 2.5 | 0.20 | 2.0 |
| 630 | 0.005 | 0.02 | 2.5 | 0.35 | 2.0 |
| 635 | 0.005 | 0.02 | 2.5 | 0.12 | 2.0 |
| 637 | 0.005 | 0.02 | 2.5 | 0.10 | 2.0 |
| 638 | 0.005 | 0.02 | 2.5 | 0.30 | 3.0 |
| 639 | 0.005 | 0.02 | 2.5 | 0.50 | 3.0 |
| 640 | 0.005 | 0.02 | 2.5 | 0.15 | 2.0 |
| 650 | 0.005 | 0.02 | 2.5 | 0.20 | 2.0 |
| 660 | 0.005 | 0.02 | 2.5 | 0.50 | 2.0 |
| 670 | 0.005 | 0.02 | 2.5 | 0.44 | 2.0 |
| 702 | 0.005 | 0.02 | 2.5 | 0.30 | 3.0 |
| 703 | 0.005 | 0.02 | 2.5 | 0.30 | 3.0 |
| 704 | 0.005 | 0.02 | 2.5 | 0.30 | 3.0 |
| 705 | 0.005 | 0.02 | 2.5 | 0.30 | 3.0 |
| 706 | 0.005 | 0.02 | 2.5 | 0.25 | 3.0 |
| 708 | 0.005 | 0.02 | 2.5 | 0.30 | 3.0 |
| 712 | 0.005 | 0.02 | 2.5 | 0.42 | 2.5 |
| 714 | 0.005 | 0.02 | 2.5 | 0.35 | 2.5 |
| 716 | 0.005 | 0.02 | 2.5 | 0.40 | 3.0 |
| 718 | 0.005 | 0.02 | 2.5 | 0.60 | 3.0 |
| 722 | 0.005 | 0.02 | 2.5 | 0.55 | 2.5 |
| 723 | 0.005 | 0.02 | 2.5 | 0.50 | 3.0 |
| 724 | 0.005 | 0.02 | 2.5 | 0.50 | 2.5 |
| 725 | 0.005 | 0.02 | 2.5 | 0.40 | 3.0 |
| 726 | 0.005 | 0.02 | 2.5 | 0.50 | 2.5 |
| 728 | 0.005 | 0.02 | 2.5 | 0.40 | 3.0 |
| 732 | 0.005 | 0.02 | 2.5 | 0.50 | 3.0 |
| 736 | 0.005 | 0.02 | 2.5 | 0.90 | 2.5 |
| 738 | 0.005 | 0.02 | 2.5 | 0.45 | 3.0 |
| 742 | 0.005 | 0.02 | 2.5 | 0.50 | 3.0 |
| 746 | 0.005 | 0.02 | 2.5 | 0.65 | 3.0 |
| 748 | 0.005 | 0.02 | 2.5 | 0.60 | 2.5 |

```
 751        0.005     0.02      2.5     0.37      2.5
 752        0.005     0.02      2.5     0.42      2.0
 800        0.005     0.02      2.5     0.38      2.0
 802        0.005     0.02      2.5     0.15      3.0
 804        0.005     0.02      2.5     0.25      3.0
 805        0.005     0.02      2.5     0.30      3.0
 806        0.005     0.02      2.5     0.30      3.0
 807        0.005     0.02      2.5     0.50      3.0
 808        0.005     0.02      2.5     0.40      3.0
 809        0.005     0.02      2.5     0.50      3.0
 810        0.005     0.02      2.5     0.25      2.0
 820        0.005     0.02      2.5     0.55      2.0
 830        0.005     0.02      2.5     0.50      2.0
 840        0.005     0.02      2.5     0.40      2.0
 850        0.005     0.02      2.5     0.40      2.0
 860        0.005     0.02      2.5     0.50      2.0
 870        0.005     0.02      2.5     0.90      2.0
 880        0.005     0.02      2.5     0.90      2.0
 890        0.005     0.02      2.5     0.50      2.0
 900        0.005     0.02      2.5     0.50      2.0
 901        0.005     0.02      2.5     0.85      3.0
 902        0.005     0.02      2.5     0.95      3.0
 904        0.005     0.02      2.5     0.85      3.0
 906        0.005     0.02      2.5     0.75      3.0
 908        0.005     0.02      2.5     0.80      3.0
 912        0.005     0.02      2.5     1.20      2.5
 914        0.005     0.02      2.5     1.50      2.5
 916        0.005     0.02      2.5     0.65      2.5
 922  924    0.005     0.02      2.5     0.65      2.5
 936        0.005     0.02      2.5     0.65      2.5
 938        0.005     0.02      2.5     0.50      2.5
 END SAND-PM

 SILT-CLAY-PM
*** SILT Parameters
*** RCHRES        D        W       RHO     TAUCD     TAUCS        M
*** x -  x      (in)  (in/sec)   gm/cm3    lb/ft2    lb/ft2  lb/ft2.d
 100        0.0006    0.0003      2.2     0.615     1.188     0.150
 101        0.0006    0.0003      2.2     0.217     0.485     0.150
 102        0.0006    0.0003      2.2     0.269     0.477     0.150
 104        0.0006    0.0003      2.2     0.186     0.535     0.150
 108        0.0006    0.0003      2.2     0.256     0.563     0.150
 110        0.0006    0.0003      2.2     0.149     0.540     0.150
 120        0.0006    0.0003      2.2     0.125     0.470     0.150
 130        0.0006    0.0003      2.2     0.116     0.445     0.150
 140        0.0006    0.0003      2.2     0.123     0.452     0.150
 150        0.0006    0.0003      2.2     0.196     0.606     0.080
 160        0.0006    0.0003      2.2     0.119     0.400     0.080
 202        0.0006    0.0003      2.2     0.148     0.362     0.150
 204        0.0006    0.0003      2.2     0.266     0.708     0.150
 206        0.0006    0.0003      2.2     0.147     0.529     0.150
 208        0.0006    0.0003      2.2     0.218     0.454     0.150
 212        0.0006    0.0003      2.2     0.146     0.501     0.150
 214        0.0006    0.0003      2.2     0.178     0.464     0.150
 216        0.0006    0.0003      2.2     0.170     0.563     0.150
 302        0.0006    0.0003      2.2     0.380     0.553     0.750
```

| | | | | | | |
|---|---|---|---|---|---|---|
| 304 | 0.0006 | 0.0003 | 2.2 | 0.220 | 0.360 | 0.750 |
| 306 | 0.0006 | 0.0003 | 2.2 | 0.260 | 0.390 | 0.800 |
| 308 | 0.0006 | 0.0003 | 2.2 | 0.340 | 0.500 | 0.800 |
| 312 | 0.0006 | 0.0003 | 2.2 | 0.400 | 0.580 | 0.850 |
| 314 | 0.0006 | 0.0003 | 2.2 | 0.250 | 0.380 | 0.850 |
| 316 | 0.0006 | 0.0003 | 2.2 | 0.280 | 0.500 | 0.950 |
| 318 | 0.0006 | 0.0003 | 2.2 | 0.156 | 0.402 | 0.250 |
| 322 | 0.0006 | 0.0003 | 2.2 | 0.215 | 0.533 | 0.250 |
| 324 | 0.0006 | 0.0003 | 2.2 | 0.224 | 0.714 | 0.200 |
| 326 | 0.0006 | 0.0003 | 2.2 | 0.164 | 0.520 | 0.200 |
| 402 | 0.0006 | 0.0003 | 2.2 | 0.326 | 0.625 | 0.350 |
| 404 | 0.0006 | 0.0003 | 2.2 | 0.507 | 1.013 | 0.350 |
| 406 | 0.0006 | 0.0003 | 2.2 | 0.097 | 0.333 | 0.350 |
| 408 | 0.0006 | 0.0003 | 2.2 | 0.101 | 0.343 | 0.350 |
| 412 | 0.0006 | 0.0003 | 2.2 | 0.304 | 0.686 | 0.400 |
| 414 | 0.0006 | 0.0003 | 2.2 | 0.235 | 0.721 | 0.400 |
| 416 | 0.0006 | 0.0003 | 2.2 | 0.134 | 0.471 | 0.400 |
| 418 | 0.0006 | 0.0003 | 2.2 | 0.359 | 0.465 | 0.400 |
| 420 | 0.0006 | 0.0003 | 2.2 | 0.474 | 0.701 | 0.150 |
| 502 | 0.0006 | 0.0003 | 2.2 | 0.205 | 0.483 | 0.150 |
| 504 | 0.0006 | 0.0003 | 2.2 | 0.150 | 0.381 | 0.150 |
| 505 | 0.0006 | 0.0003 | 2.2 | 0.224 | 0.456 | 0.150 |
| 506 | 0.0006 | 0.0003 | 2.2 | 0.150 | 0.190 | 0.001 |
| 507 | 0.0006 | 0.0003 | 2.2 | 0.369 | 0.962 | 0.150 |
| 508 | 0.0006 | 0.0003 | 2.2 | 0.153 | 0.472 | 0.150 |
| 512 | 0.0006 | 0.0003 | 2.2 | 0.159 | 0.515 | 0.150 |
| 514 | 0.0006 | 0.0003 | 2.2 | 0.143 | 0.480 | 0.150 |
| 515 | 0.0006 | 0.0003 | 2.2 | 0.194 | 0.336 | 0.150 |
| 516 | 0.0006 | 0.0003 | 2.2 | 0.135 | 0.652 | 0.080 |
| 518 | 0.0006 | 0.0003 | 2.2 | 0.098 | 0.359 | 0.150 |
| 522 | 0.0006 | 0.0003 | 2.2 | 0.231 | 0.702 | 0.008 |
| 523 | 0.0006 | 0.0003 | 2.2 | 0.070 | 0.239 | 0.100 |
| 524 | 0.0006 | 0.0003 | 2.2 | 0.129 | 0.431 | 0.150 |
| 600 | 0.0006 | 0.0003 | 2.2 | 0.300 | 0.790 | 0.050 |
| 602 | 0.0006 | 0.0003 | 2.2 | 0.502 | 0.943 | 0.150 |
| 604 | 0.0006 | 0.0003 | 2.2 | 0.341 | 0.774 | 0.150 |
| 606 | 0.0006 | 0.0003 | 2.2 | 0.098 | 0.330 | 0.150 |
| 608 | 0.0006 | 0.0003 | 2.2 | 0.303 | 0.625 | 0.500 |
| 609 | 0.0006 | 0.0003 | 2.2 | 0.172 | 0.411 | 0.600 |
| 610 | 0.0006 | 0.0003 | 2.2 | 0.500 | 0.990 | 0.200 |
| 612 | 0.0006 | 0.0003 | 2.2 | 0.125 | 0.389 | 0.500 |
| 614 | 0.0006 | 0.0003 | 2.2 | 0.121 | 0.403 | 0.550 |
| 620 | 0.0006 | 0.0003 | 2.2 | 0.300 | 0.810 | 0.200 |
| 630 | 0.0006 | 0.0003 | 2.2 | 0.160 | 0.480 | 0.200 |
| 635 | 0.0006 | 0.0003 | 2.2 | 0.220 | 0.660 | 0.200 |
| 637 | 0.0006 | 0.0003 | 2.2 | 0.150 | 0.550 | 0.200 |
| 638 | 0.0006 | 0.0003 | 2.2 | 0.438 | 0.591 | 0.150 |
| 639 | 0.0006 | 0.0003 | 2.2 | 0.196 | 0.399 | 0.150 |
| 640 | 0.0006 | 0.0003 | 2.2 | 0.300 | 0.670 | 0.150 |
| 650 | 0.0006 | 0.0003 | 2.2 | 0.111 | 0.350 | 0.200 |
| 660 | 0.0006 | 0.0003 | 2.2 | 0.160 | 0.500 | 0.600 |
| 670 | 0.0006 | 0.0003 | 2.2 | 0.101 | 0.296 | 0.400 |
| 702 | 0.0006 | 0.0003 | 2.2 | 0.383 | 0.879 | 0.150 |
| 703 | 0.0006 | 0.0003 | 2.2 | 0.521 | 0.976 | 0.150 |
| 704 | 0.0006 | 0.0003 | 2.2 | 0.163 | 0.632 | 0.150 |
| 705 | 0.0006 | 0.0003 | 2.2 | 0.084 | 0.228 | 0.150 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 706 | 0.0006 | 0.0003 | 2.2 | 0.106 | 0.334 | 0.150 |
| 708 | 0.0006 | 0.0003 | 2.2 | 0.165 | 0.640 | 0.150 |
| 712 | 0.0006 | 0.0003 | 2.2 | 0.188 | 0.768 | 0.150 |
| 714 | 0.0006 | 0.0003 | 2.2 | 0.571 | 1.261 | 0.150 |
| 716 | 0.0006 | 0.0003 | 2.2 | 0.190 | 0.657 | 0.150 |
| 718 | 0.0006 | 0.0003 | 2.2 | 0.107 | 0.400 | 0.150 |
| 722 | 0.0006 | 0.0003 | 2.2 | 0.161 | 0.601 | 0.150 |
| 723 | 0.0006 | 0.0003 | 2.2 | 0.261 | 0.604 | 0.150 |
| 724 | 0.0006 | 0.0003 | 2.2 | 0.137 | 0.555 | 0.150 |
| 725 | 0.0006 | 0.0003 | 2.2 | 0.208 | 0.613 | 0.150 |
| 726 | 0.0006 | 0.0003 | 2.2 | 0.100 | 0.530 | 0.300 |
| 728 | 0.0006 | 0.0003 | 2.2 | 0.246 | 0.688 | 0.150 |
| 732 | 0.0006 | 0.0003 | 2.2 | 0.180 | 0.540 | 0.150 |
| 736 | 0.0006 | 0.0003 | 2.2 | 0.105 | 0.350 | 0.300 |
| 738 | 0.0006 | 0.0003 | 2.2 | 0.246 | 0.679 | 0.150 |
| 742 | 0.0006 | 0.0003 | 2.2 | 0.168 | 0.512 | 0.150 |
| 746 | 0.0006 | 0.0003 | 2.2 | 0.101 | 0.292 | 0.200 |
| 748 | 0.0006 | 0.0003 | 2.2 | 0.120 | 0.600 | 0.300 |
| 751 | 0.0006 | 0.0003 | 2.2 | 0.128 | 0.440 | 0.150 |
| 752 | 0.0006 | 0.0003 | 2.2 | 0.164 | 0.658 | 0.150 |
| 800 | 0.0006 | 0.0003 | 2.2 | 0.103 | 0.400 | 0.080 |
| 802 | 0.0006 | 0.0003 | 2.2 | 0.386 | 0.932 | 0.150 |
| 804 | 0.0006 | 0.0003 | 2.2 | 0.251 | 0.618 | 0.150 |
| 805 | 0.0006 | 0.0003 | 2.2 | 0.222 | 0.526 | 0.150 |
| 806 | 0.0006 | 0.0003 | 2.2 | 0.261 | 0.720 | 0.150 |
| 807 | 0.0006 | 0.0003 | 2.2 | 0.329 | 0.656 | 0.150 |
| 808 | 0.0006 | 0.0003 | 2.2 | 0.156 | 0.439 | 0.150 |
| 809 | 0.0006 | 0.0003 | 2.2 | 0.162 | 0.466 | 0.150 |
| 810 | 0.0006 | 0.0003 | 2.2 | 0.150 | 0.500 | 0.250 |
| 820 | 0.0006 | 0.0003 | 2.2 | 0.060 | 0.200 | 0.250 |
| 830 | 0.0006 | 0.0003 | 2.2 | 0.130 | 0.580 | 0.400 |
| 840 | 0.0006 | 0.0003 | 2.2 | 0.111 | 0.300 | 0.150 |
| 850 | 0.0006 | 0.0003 | 2.2 | 0.130 | 0.400 | 0.250 |
| 860 | 0.0006 | 0.0003 | 2.2 | 0.260 | 0.900 | 0.600 |
| 870 | 0.0006 | 0.0003 | 2.2 | 0.121 | 0.400 | 0.600 |
| 880 | 0.0006 | 0.0003 | 2.2 | 0.100 | 0.280 | 0.750 |
| 890 | 0.0006 | 0.0003 | 2.2 | 0.168 | 0.500 | 0.600 |
| 900 | 0.0006 | 0.0003 | 2.2 | 0.014 | 0.080 | 1.000 |
| 901 | 0.0006 | 0.0003 | 2.2 | 0.267 | 0.610 | 0.400 |
| 902 | 0.0006 | 0.0003 | 2.2 | 0.183 | 0.592 | 0.400 |
| 904 | 0.0006 | 0.0003 | 2.2 | 0.167 | 0.584 | 0.500 |
| 906 | 0.0006 | 0.0003 | 2.2 | 0.192 | 0.679 | 0.500 |
| 908 | 0.0006 | 0.0003 | 2.2 | 0.164 | 0.598 | 0.650 |
| 912 | 0.0006 | 0.0003 | 2.2 | 0.191 | 0.513 | 0.650 |
| 914 | 0.0006 | 0.0003 | 2.2 | 0.044 | 0.160 | 0.450 |
| 916 | 0.0006 | 0.0003 | 2.2 | 0.300 | 0.870 | 0.450 |
| 922 924 | 0.0006 | 0.0003 | 2.2 | 0.300 | 0.750 | 0.300 |
| 936 | 0.0006 | 0.0003 | 2.2 | 0.450 | 0.910 | 0.300 |
| 938 | 0.0006 | 0.0003 | 2.2 | 0.600 | 0.880 | 0.300 |

END SILT-CLAY-PM

SILT-CLAY-PM
*** CLAY Parameters

| *** RCHRES | D | W | RHO | TAUCD | TAUCS | M |
|---|---|---|---|---|---|---|
| *** x - x | (in) | (in/sec) | gm/cm3 | lb/ft2 | lb/ft2 | lb/ft2.d |
| 100 | 0.00006 | 0.00001 | 2.0 | 0.602 | 0.938 | 0.150 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 101 | 0.00006 | 0.00001 | 2.0 | 0.213 | 0.406 | 0.150 |
| 102 | 0.00006 | 0.00001 | 2.0 | 0.268 | 0.424 | 0.150 |
| 104 | 0.00006 | 0.00001 | 2.0 | 0.173 | 0.449 | 0.150 |
| 108 | 0.00006 | 0.00001 | 2.0 | 0.248 | 0.444 | 0.150 |
| 110 | 0.00006 | 0.00001 | 2.0 | 0.141 | 0.427 | 0.150 |
| 120 | 0.00006 | 0.00001 | 2.0 | 0.116 | 0.371 | 0.150 |
| 130 | 0.00006 | 0.00001 | 2.0 | 0.098 | 0.358 | 0.150 |
| 140 | 0.00006 | 0.00001 | 2.0 | 0.109 | 0.374 | 0.150 |
| 150 | 0.00006 | 0.00001 | 2.0 | 0.184 | 0.493 | 0.080 |
| 160 | 0.00006 | 0.00001 | 2.0 | 0.104 | 0.366 | 0.080 |
| 202 | 0.00006 | 0.00001 | 2.0 | 0.139 | 0.286 | 0.150 |
| 204 | 0.00006 | 0.00001 | 2.0 | 0.259 | 0.536 | 0.150 |
| 206 | 0.00006 | 0.00001 | 2.0 | 0.135 | 0.421 | 0.150 |
| 208 | 0.00006 | 0.00001 | 2.0 | 0.215 | 0.369 | 0.150 |
| 212 | 0.00006 | 0.00001 | 2.0 | 0.138 | 0.400 | 0.150 |
| 214 | 0.00006 | 0.00001 | 2.0 | 0.178 | 0.371 | 0.150 |
| 216 | 0.00006 | 0.00001 | 2.0 | 0.161 | 0.464 | 0.150 |
| 302 | 0.00006 | 0.00001 | 2.0 | 0.360 | 0.460 | 0.700 |
| 304 | 0.00006 | 0.00001 | 2.0 | 0.200 | 0.310 | 0.700 |
| 306 | 0.00006 | 0.00001 | 2.0 | 0.250 | 0.380 | 0.750 |
| 308 | 0.00006 | 0.00001 | 2.0 | 0.320 | 0.460 | 0.750 |
| 312 | 0.00006 | 0.00001 | 2.0 | 0.380 | 0.540 | 0.800 |
| 314 | 0.00006 | 0.00001 | 2.0 | 0.230 | 0.360 | 0.800 |
| 316 | 0.00006 | 0.00001 | 2.0 | 0.260 | 0.445 | 0.750 |
| 318 | 0.00006 | 0.00001 | 2.0 | 0.155 | 0.309 | 0.500 |
| 322 | 0.00006 | 0.00001 | 2.0 | 0.206 | 0.434 | 0.500 |
| 324 | 0.00006 | 0.00001 | 2.0 | 0.208 | 0.578 | 0.400 |
| 326 | 0.00006 | 0.00001 | 2.0 | 0.149 | 0.431 | 0.400 |
| 402 | 0.00006 | 0.00001 | 2.0 | 0.310 | 0.514 | 0.450 |
| 404 | 0.00006 | 0.00001 | 2.0 | 0.487 | 0.825 | 0.400 |
| 406 | 0.00006 | 0.00001 | 2.0 | 0.086 | 0.272 | 0.450 |
| 408 | 0.00006 | 0.00001 | 2.0 | 0.096 | 0.276 | 0.500 |
| 412 | 0.00006 | 0.00001 | 2.0 | 0.300 | 0.573 | 0.450 |
| 414 | 0.00006 | 0.00001 | 2.0 | 0.216 | 0.598 | 0.450 |
| 416 | 0.00006 | 0.00001 | 2.0 | 0.116 | 0.405 | 0.450 |
| 418 | 0.00006 | 0.00001 | 2.0 | 0.344 | 0.419 | 0.450 |
| 420 | 0.00006 | 0.00001 | 2.0 | 0.463 | 0.592 | 0.250 |
| 502 | 0.00006 | 0.00001 | 2.0 | 0.195 | 0.397 | 0.150 |
| 504 | 0.00006 | 0.00001 | 2.0 | 0.147 | 0.306 | 0.150 |
| 505 | 0.00006 | 0.00001 | 2.0 | 0.214 | 0.370 | 0.150 |
| 506 | 0.00006 | 0.00001 | 2.0 | 0.140 | 0.180 | 0.001 |
| 507 | 0.00006 | 0.00001 | 2.0 | 0.365 | 0.768 | 0.150 |
| 508 | 0.00006 | 0.00001 | 2.0 | 0.142 | 0.378 | 0.150 |
| 512 | 0.00006 | 0.00001 | 2.0 | 0.142 | 0.456 | 0.150 |
| 514 | 0.00006 | 0.00001 | 2.0 | 0.127 | 0.368 | 0.150 |
| 515 | 0.00006 | 0.00001 | 2.0 | 0.191 | 0.261 | 0.150 |
| 516 | 0.00006 | 0.00001 | 2.0 | 0.132 | 0.417 | 0.080 |
| 518 | 0.00006 | 0.00001 | 2.0 | 0.087 | 0.285 | 0.150 |
| 522 | 0.00006 | 0.00001 | 2.0 | 0.221 | 0.549 | 0.008 |
| 523 | 0.00006 | 0.00001 | 2.0 | 0.065 | 0.205 | 0.100 |
| 524 | 0.00006 | 0.00001 | 2.0 | 0.112 | 0.365 | 0.150 |
| 600 | 0.00006 | 0.00001 | 2.0 | 0.250 | 0.640 | 0.050 |
| 602 | 0.00006 | 0.00001 | 2.0 | 0.472 | 0.788 | 0.150 |
| 604 | 0.00006 | 0.00001 | 2.0 | 0.336 | 0.640 | 0.150 |
| 606 | 0.00006 | 0.00001 | 2.0 | 0.086 | 0.276 | 0.150 |
| 608 | 0.00006 | 0.00001 | 2.0 | 0.299 | 0.523 | 0.650 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 609 | 0.00006 | 0.00001 | 2.0 | 0.165 | 0.344 | 0.650 |
| 610 | 0.00006 | 0.00001 | 2.0 | 0.450 | 0.861 | 0.200 |
| 612 | 0.00006 | 0.00001 | 2.0 | 0.115 | 0.326 | 0.500 |
| 614 | 0.00006 | 0.00001 | 2.0 | 0.113 | 0.337 | 0.500 |
| 620 | 0.00006 | 0.00001 | 2.0 | 0.180 | 0.656 | 0.100 |
| 630 | 0.00006 | 0.00001 | 2.0 | 0.150 | 0.400 | 0.100 |
| 635 | 0.00006 | 0.00001 | 2.0 | 0.200 | 0.530 | 0.100 |
| 637 | 0.00006 | 0.00001 | 2.0 | 0.140 | 0.400 | 0.100 |
| 638 | 0.00006 | 0.00001 | 2.0 | 0.437 | 0.496 | 0.150 |
| 639 | 0.00006 | 0.00001 | 2.0 | 0.194 | 0.334 | 0.150 |
| 640 | 0.00006 | 0.00001 | 2.0 | 0.280 | 0.560 | 0.100 |
| 650 | 0.00006 | 0.00001 | 2.0 | 0.098 | 0.300 | 0.150 |
| 660 | 0.00006 | 0.00001 | 2.0 | 0.142 | 0.400 | 0.500 |
| 670 | 0.00006 | 0.00001 | 2.0 | 0.089 | 0.279 | 0.400 |
| 702 | 0.00006 | 0.00001 | 2.0 | 0.350 | 0.725 | 0.150 |
| 703 | 0.00006 | 0.00001 | 2.0 | 0.516 | 0.817 | 0.150 |
| 704 | 0.00006 | 0.00001 | 2.0 | 0.157 | 0.525 | 0.150 |
| 705 | 0.00006 | 0.00001 | 2.0 | 0.078 | 0.190 | 0.150 |
| 706 | 0.00006 | 0.00001 | 2.0 | 0.099 | 0.276 | 0.150 |
| 708 | 0.00006 | 0.00001 | 2.0 | 0.150 | 0.522 | 0.150 |
| 712 | 0.00006 | 0.00001 | 2.0 | 0.166 | 0.625 | 0.150 |
| 714 | 0.00006 | 0.00001 | 2.0 | 0.565 | 1.064 | 0.150 |
| 716 | 0.00006 | 0.00001 | 2.0 | 0.186 | 0.547 | 0.150 |
| 718 | 0.00006 | 0.00001 | 2.0 | 0.097 | 0.333 | 0.150 |
| 722 | 0.00006 | 0.00001 | 2.0 | 0.146 | 0.502 | 0.150 |
| 723 | 0.00006 | 0.00001 | 2.0 | 0.253 | 0.507 | 0.150 |
| 724 | 0.00006 | 0.00001 | 2.0 | 0.115 | 0.462 | 0.150 |
| 725 | 0.00006 | 0.00001 | 2.0 | 0.201 | 0.509 | 0.150 |
| 726 | 0.00006 | 0.00001 | 2.0 | 0.090 | 0.410 | 0.300 |
| 728 | 0.00006 | 0.00001 | 2.0 | 0.229 | 0.554 | 0.150 |
| 732 | 0.00006 | 0.00001 | 2.0 | 0.159 | 0.439 | 0.150 |
| 736 | 0.00006 | 0.00001 | 2.0 | 0.090 | 0.300 | 0.300 |
| 738 | 0.00006 | 0.00001 | 2.0 | 0.244 | 0.552 | 0.150 |
| 742 | 0.00006 | 0.00001 | 2.0 | 0.152 | 0.423 | 0.150 |
| 746 | 0.00006 | 0.00001 | 2.0 | 0.089 | 0.256 | 0.200 |
| 748 | 0.00006 | 0.00001 | 2.0 | 0.110 | 0.550 | 0.300 |
| 751 | 0.00006 | 0.00001 | 2.0 | 0.111 | 0.400 | 0.150 |
| 752 | 0.00006 | 0.00001 | 2.0 | 0.140 | 0.552 | 0.150 |
| 800 | 0.00006 | 0.00001 | 2.0 | 0.090 | 0.326 | 0.080 |
| 802 | 0.00006 | 0.00001 | 2.0 | 0.383 | 0.758 | 0.150 |
| 804 | 0.00006 | 0.00001 | 2.0 | 0.246 | 0.517 | 0.150 |
| 805 | 0.00006 | 0.00001 | 2.0 | 0.215 | 0.433 | 0.150 |
| 806 | 0.00006 | 0.00001 | 2.0 | 0.255 | 0.557 | 0.150 |
| 807 | 0.00006 | 0.00001 | 2.0 | 0.328 | 0.526 | 0.150 |
| 808 | 0.00006 | 0.00001 | 2.0 | 0.141 | 0.346 | 0.150 |
| 809 | 0.00006 | 0.00001 | 2.0 | 0.154 | 0.379 | 0.150 |
| 810 | 0.00006 | 0.00001 | 2.0 | 0.130 | 0.400 | 0.250 |
| 820 | 0.00006 | 0.00001 | 2.0 | 0.050 | 0.180 | 0.250 |
| 830 | 0.00006 | 0.00001 | 2.0 | 0.110 | 0.480 | 0.400 |
| 840 | 0.00006 | 0.00001 | 2.0 | 0.098 | 0.270 | 0.150 |
| 850 | 0.00006 | 0.00001 | 2.0 | 0.110 | 0.350 | 0.250 |
| 860 | 0.00006 | 0.00001 | 2.0 | 0.230 | 0.800 | 0.550 |
| 870 | 0.00006 | 0.00001 | 2.0 | 0.107 | 0.300 | 0.550 |
| 880 | 0.00006 | 0.00001 | 2.0 | 0.090 | 0.250 | 0.700 |
| 890 | 0.00006 | 0.00001 | 2.0 | 0.148 | 0.450 | 0.500 |
| 900 | 0.00006 | 0.00001 | 2.0 | 0.012 | 0.070 | 0.800 |

```
  901        0.00006   0.00001       2.0     0.266     0.491     0.400
  902        0.00006   0.00001       2.0     0.176     0.489     0.450
  904        0.00006   0.00001       2.0     0.156     0.483     0.550
  906        0.00006   0.00001       2.0     0.180     0.563     0.550
  908        0.00006   0.00001       2.0     0.154     0.503     0.650
  912        0.00006   0.00001       2.0     0.173     0.431     0.650
  914        0.00006   0.00001       2.0     0.038     0.134     0.500
  916        0.00006   0.00001       2.0     0.280     0.740     0.450
  922  924   0.00006   0.00001       2.0     0.290     0.620     0.450
  936        0.00006   0.00001       2.0     0.450     0.760     0.450
  938        0.00006   0.00001       2.0     0.650     0.750     0.450
  END SILT-CLAY-PM

  SSED-INIT
*** RCHRES     Suspended sed concs (mg/l)
*** x -  x      Sand      Silt      Clay
  100  938        0.        4.        4.
  END SSED-INIT

  BED-INIT
*** RCHRES    BEDDEP  Initial bed composition
*** x -  x      (ft)      Sand      Silt      Clay
  100            2.      0.95      0.03      0.02
  101            2.      0.88      0.07      0.05
  102            2.      0.94      0.04      0.02
  104            2.      0.82      0.13      0.05
  108            3.      0.85      0.10      0.05
  110            3.      0.70      0.21      0.09
  120            4.      0.64      0.29      0.07
  130            4.      0.62      0.31      0.07
  140            4.      0.61      0.31      0.08
  150            5.      0.59      0.32      0.09
  160            5.      0.56      0.35      0.09
  202            2.      0.74      0.16      0.10
  204            3.      0.95      0.03      0.02
  206            3.      0.68      0.22      0.10
  208            2.      0.92      0.06      0.02
  212            3.      0.66      0.24      0.10
  214            2.      0.90      0.07      0.03
  216            3.      0.68      0.22      0.10
  302            2.      0.43      0.34      0.23
  304            3.      0.27      0.51      0.22
  306            2.      0.10      0.54      0.36
  308            3.      0.45      0.39      0.16
  312            3.      0.78      0.15      0.07
  314            4.      0.90      0.08      0.02
  316            5.      0.10      0.72      0.18
  318            2.      0.73      0.16      0.11
  322            3.      0.76      0.17      0.07
  324            5.      0.68      0.26      0.06
  326            5.      0.60      0.32      0.08
  402            2.      0.95      0.03      0.02
  404            2.      0.93      0.04      0.03
  406            3.      0.63      0.26      0.11
  408            3.      0.62      0.27      0.11
  412            2.      0.87      0.10      0.03
```

| | | | | |
|---|---|---|---|---|
| 414 | 3. | 0.91 | 0.04 | 0.05 |
| 416 | 4. | 0.65 | 0.28 | 0.07 |
| 418 | 2. | 0.95 | 0.03 | 0.02 |
| 420 | 2. | 0.94 | 0.04 | 0.02 |
| 502 | 3. | 0.82 | 0.13 | 0.05 |
| 504 | 3. | 0.95 | 0.04 | 0.01 |
| 505 | 2. | 0.88 | 0.07 | 0.05 |
| 506 | 2. | 0.59 | 0.25 | 0.16 |
| 507 | 2. | 0.95 | 0.03 | 0.02 |
| 508 | 3. | 0.75 | 0.17 | 0.08 |
| 512 | 3. | 0.75 | 0.18 | 0.07 |
| 514 | 2. | 0.72 | 0.17 | 0.11 |
| 515 | 2. | 0.88 | 0.07 | 0.05 |
| 516 | 2. | 0.76 | 0.14 | 0.10 |
| 518 | 3. | 0.58 | 0.30 | 0.12 |
| 522 | 3. | 0.64 | 0.25 | 0.11 |
| 523 | 3. | 0.57 | 0.30 | 0.13 |
| 524 | 4. | 0.78 | 0.18 | 0.04 |
| 600 | 5. | 0.61 | 0.31 | 0.08 |
| 602 | 3. | 0.96 | 0.03 | 0.01 |
| 604 | 4. | 0.95 | 0.04 | 0.01 |
| 606 | 4. | 0.62 | 0.30 | 0.08 |
| 608 | 3. | 0.85 | 0.10 | 0.05 |
| 609 | 3. | 0.72 | 0.19 | 0.09 |
| 610 | 5. | 0.63 | 0.29 | 0.08 |
| 612 | 3. | 0.69 | 0.22 | 0.09 |
| 614 | 3. | 0.83 | 0.12 | 0.05 |
| 620 | 5. | 0.62 | 0.30 | 0.08 |
| 630 | 5. | 0.55 | 0.36 | 0.09 |
| 635 | 5. | 0.58 | 0.34 | 0.08 |
| 637 | 5. | 0.55 | 0.36 | 0.09 |
| 638 | 2. | 0.95 | 0.03 | 0.02 |
| 639 | 2. | 0.87 | 0.08 | 0.05 |
| 640 | 5. | 0.57 | 0.35 | 0.08 |
| 650 | 5. | 0.53 | 0.38 | 0.09 |
| 660 | 5. | 0.56 | 0.35 | 0.09 |
| 670 | 5. | 0.51 | 0.39 | 0.10 |
| 702 | 3. | 0.95 | 0.04 | 0.01 |
| 703 | 2. | 0.82 | 0.11 | 0.07 |
| 704 | 3. | 0.80 | 0.14 | 0.06 |
| 705 | 3. | 0.85 | 0.11 | 0.04 |
| 706 | 4. | 0.93 | 0.06 | 0.01 |
| 708 | 4. | 0.71 | 0.23 | 0.06 |
| 712 | 4. | 0.73 | 0.21 | 0.06 |
| 714 | 3. | 0.95 | 0.04 | 0.01 |
| 716 | 3. | 0.72 | 0.20 | 0.08 |
| 718 | 3. | 0.61 | 0.28 | 0.11 |
| 722 | 3. | 0.67 | 0.23 | 0.10 |
| 723 | 3. | 0.83 | 0.12 | 0.05 |
| 724 | 4. | 0.62 | 0.31 | 0.07 |
| 725 | 2. | 0.95 | 0.03 | 0.02 |
| 726 | 4. | 0.59 | 0.33 | 0.08 |
| 728 | 3. | 0.90 | 0.07 | 0.03 |
| 732 | 3. | 0.92 | 0.06 | 0.02 |
| 736 | 4. | 0.56 | 0.35 | 0.09 |
| 738 | 2. | 0.90 | 0.06 | 0.04 |

```
  742          3.    0.88    0.08    0.04
  746          5.    0.55    0.36    0.09
  748          5.    0.61    0.31    0.08
  751          5.    0.57    0.35    0.08
  752          5.    0.60    0.32    0.08
  800          5.    0.53    0.38    0.09
  802          2.    0.95    0.03    0.02
  804          2.    0.92    0.05    0.03
  805          3.    0.80    0.14    0.06
  806          2.    0.95    0.03    0.02
  807          2.    0.80    0.12    0.08
  808          3.    0.72    0.20    0.08
  809          3.    0.74    0.18    0.08
  810          5.    0.55    0.36    0.09
  820          5.    0.49    0.40    0.11
  830          5.    0.56    0.35    0.09
  840          5.    0.52    0.39    0.09
  850          5.    0.54    0.37    0.09
  860          5.    0.63    0.29    0.08
  870          5.    0.53    0.38    0.09
  880          5.    0.52    0.38    0.10
  890          5.    0.55    0.36    0.09
  900          5.    0.48    0.42    0.10
  901          4.    0.93    0.04    0.03
  902          4.    0.82    0.11    0.07
  904          4.    0.74    0.21    0.05
  906          4.    0.73    0.22    0.05
  908          4.    0.68    0.26    0.06
  912          4.    0.65    0.28    0.07
  914          4.    0.50    0.40    0.10
  916          3.    0.89    0.06    0.05
  922  924     3.    0.90    0.06    0.04
  936          4.    0.95    0.03    0.02
  938          3.    0.57    0.26    0.17
  980          5.    0.61    0.31    0.08
  990          5.    0.53    0.37    0.10
  END BED-INIT

  BENTH-FLAG
*** RCHRES  Benthic release flag
*** x -  x BENF
  100  938    1
  END BENTH-FLAG

  OX-FLAGS
*** RCHRES Oxygen flags
*** x -  x REAM
  100  938    3
  END OX-FLAGS

  OX-GENPARM
*** RCHRES    KBOD20     TCBOD    KODSET    SUPSAT
*** x -  x       /hr              ft/hr
  100  938     0.007     1.047     0.010      1.30
  END OX-GENPARM
```

OX-BENPARM

| *** RCHRES | BENOD | TCBEN | EXPOD | BRBOD(1) | BRBOD(2) | EXPREL |
|---|---|---|---|---|---|---|
| *** x - x | mg/m2.hr | | mg/m2.hr | mg/m2.hr | | |
| 100 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 101 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 102 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 104 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 108 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 110 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 120 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 130 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 140 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 150 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 160 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 202 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 204 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 206 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 208 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 212 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 214 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 216 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 302 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 304 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 306 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 308 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 312 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 314 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 316 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 318 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 322 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 324 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 326 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 402 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 404 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 406 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 408 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 412 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 414 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 416 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 418 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 420 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 502 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 504 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 505 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 506 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 507 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 508 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 512 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 514 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 515 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 516 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 518 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 522 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 523 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 524 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 600 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 602 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 604 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 606 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 608 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 609 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 610 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 612 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 614 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 620 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 630 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 635 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 637 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 638 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 639 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 640 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 650 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 660 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 670 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 702 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 703 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 704 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 705 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 706 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 708 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 712 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 714 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 716 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 718 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 722 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 723 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 724 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 725 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 726 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 728 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 732 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 736 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 738 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 742 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 746 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 748 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 751 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 752 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 800 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 802 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 804 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 805 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 806 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 807 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 808 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 809 | 50. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 810 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 820 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 830 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 840 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 850 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |
| 860 | 70. | 1.074 | 1.22 | 1.0 | 20. | 2.82 |

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  870          70.    1.074     1.22      1.0      20.     2.82
  880          70.    1.074     1.22      1.0      20.     2.82
  890          70.    1.074     1.22      1.0      20.     2.82
  900          70.    1.074     1.22      1.0      20.     2.82
  901          50.    1.074     1.22      1.0      20.     2.82
  902          70.    1.074     1.22      1.0      20.     2.82
  904          70.    1.074     1.22      1.0      20.     2.82
  906          70.    1.074     1.22      1.0      20.     2.82
  908          70.    1.074     1.22      1.0      20.     2.82
  912          70.    1.074     1.22      1.0      20.     2.82
  914          70.    1.074     1.22      1.0      20.     2.82
  916          50.    1.074     1.22      1.0      20.     2.82
  922  924      50.    1.074     1.22      1.0      20.     2.82
  936          50.    1.074     1.22      1.0      20.     2.82
  938          50.    1.074     1.22      1.0      20.     2.82
  980          50.    1.074     1.22      1.0      20.     2.82
  990          50.    1.074     1.22      1.0      20.     2.82
  END OX-BENPARM

  OX-REAPARM
*** RCHRES    TCGINV      REAK    EXPRED    EXPREV
*** x -  x                /hr
  100  938     1.024      0.20    -1.673     0.969
  END OX-REAPARM

  OX-INIT
*** RCHRES       DOX       BOD     SATDO
*** x -  x      mg/l      mg/l      mg/l
  100  938      12.8       4.0      13.5
  END OX-INIT

  NUT-FLAGS
*** RCHRES  Nutrient flags
*** x -  x  NH3  NO2  PO4  AMV  DEN ADNH ADPO PHFL
  100  938    1    1    1    0    1    1    1    2
  END NUT-FLAGS

  NUT-AD-FLAGS
***                    Atmospheric Deposition Flags
*** < PLS>  NO3   NH4  QUAL3  QUAL4  QUAL5  QUAL6  QUAL7  QUAL8  QUAL9 QUAL10
*** x  - x <F><C> <F><C> <F><C> <F><C> <F><C> <F><C> <F><C> <F><C> <F><C> <F><C>
  100  938  -1 -1  -1 -1   0  0   0  0   0  0   0  0   0  0   0  0   0  0   0  0
  END NUT-AD-FLAGS

  CONV-VAL1
*** RCHRES      CVBO     CVBPC     CVBPN    BPCNTC
*** x -  x     mg/mg  mols/mol  mols/mol
  100  938      1.63      106.       16.       49.
  END CONV-VAL1

  NUT-BENPARM
*** RCHRES  BRNIT(1)  BRNIT(2)  BRPO4(1)  BRPO4(2)     ANAER
*** x -  x  mg/m2.hr  mg/m2.hr  mg/m2.hr  mg/m2.hr      mg/l
  100  938      0.00        0.     0.000        0.     0.001
  END NUT-BENPARM
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NUT-NITDENIT
*** TAS EDIT Denitrifaction rates adjusted - 09/12/2016

| *** RCHRES | KTAM20 | KNO220 | TCNIT | KNO320 | TCDEN | DENOXT |
|---|---|---|---|---|---|---|
| *** x - x | /hr | /hr | /hr | mg/l | | |
| 100 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 101 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 102 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 104 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 108 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 110 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 120 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 130 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 140 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 150 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 160 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 202 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 204 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 206 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 208 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 212 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 214 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 216 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 302 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 304 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 306 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 308 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 312 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 314 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 316 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 318 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 322 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 324 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 326 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 402 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 404 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 406 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 408 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 412 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 414 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 416 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 418 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 420 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 502 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 504 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 505 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 506 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 507 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 508 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 512 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 514 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 515 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 516 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 518 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 522 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 523 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 524 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 600 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 602 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 604 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 606 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 608 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 609 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 610 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 612 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 614 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 620 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 630 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 635 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 637 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 638 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 639 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 640 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 650 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 660 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 670 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 702 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 703 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 704 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 705 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 706 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 708 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 712 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 714 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 716 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 718 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 722 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 723 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 724 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 725 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 726 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 728 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 732 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 736 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 738 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 742 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 746 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 748 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 751 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 752 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 800 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 802 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 804 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 805 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 806 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 807 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 808 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 809 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 810 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 820 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 830 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 840 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 850 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 860 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 870 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 880 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 890 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 900 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 901 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 902 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 904 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 906 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 908 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 912 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 914 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 916 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 922 924 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 936 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |
| 938 | 0.050 | 0.050 | 1.07 | 0.0500 | 1.04 | 7.5 |

END NUT-NITDENIT

NUT-BEDCONC

RCHRES Bed concentrations of NH4 & PO4 (mg/kg) ***

| # - # | NH4-sand | NH4-silt | NH4-clay | PO4-sand | PO4-silt | PO4-clay *** |
|---|---|---|---|---|---|---|
| 100 | 40. | 100. | 100. | 480. | 650. | 650. |
| 101 | 40. | 100. | 100. | 330. | 440. | 440. |
| 102 | 40. | 100. | 100. | 330. | 440. | 440. |
| 104 | 40. | 100. | 100. | 330. | 440. | 440. |
| 108 | 40. | 100. | 100. | 230. | 310. | 310. |
| 110 | 40. | 100. | 100. | 230. | 310. | 310. |
| 120 | 40. | 100. | 100. | 230. | 310. | 310. |
| 130 | 40. | 100. | 100. | 230. | 310. | 310. |
| 140 | 40. | 100. | 100. | 330. | 440. | 440. |
| 150 | 40. | 100. | 100. | 170. | 230. | 230. |
| 160 | 40. | 100. | 100. | 170. | 230. | 230. |
| 202 | 40. | 100. | 100. | 170. | 230. | 230. |
| 204 | 40. | 100. | 100. | 330. | 440. | 440. |
| 206 | 40. | 100. | 100. | 170. | 230. | 230. |
| 208 | 40. | 100. | 100. | 170. | 230. | 230. |
| 212 | 40. | 100. | 100. | 170. | 230. | 230. |
| 214 | 40. | 100. | 100. | 170. | 230. | 230. |
| 216 | 40. | 100. | 100. | 170. | 230. | 230. |
| 302 | 40. | 100. | 100. | 480. | 650. | 650. |
| 304 | 40. | 100. | 100. | 480. | 650. | 650. |
| 306 | 40. | 100. | 100. | 660. | 880. | 880. |
| 308 | 40. | 100. | 100. | 660. | 880. | 880. |
| 312 | 40. | 100. | 100. | 330. | 440. | 440. |
| 314 | 40. | 100. | 100. | 330. | 440. | 440. |
| 316 | 40. | 100. | 100. | 330. | 440. | 440. |
| 318 | 40. | 100. | 100. | 330. | 440. | 440. |
| 322 | 40. | 100. | 100. | 330. | 440. | 440. |
| 324 | 40. | 100. | 100. | 330. | 440. | 440. |
| 326 | 40. | 100. | 100. | 330. | 440. | 440. |
| 402 | 40. | 100. | 100. | 330. | 440. | 440. |
| 404 | 40. | 100. | 100. | 330. | 440. | 440. |
| 406 | 40. | 100. | 100. | 330. | 440. | 440. |
| 408 | 40. | 100. | 100. | 330. | 440. | 440. |
| 412 | 40. | 100. | 100. | 330. | 440. | 440. |
| 414 | 40. | 100. | 100. | 330. | 440. | 440. |

| | | | | | | |
|---|---|---|---|---|---|---|
| 416 | 40. | 100. | 100. | 170. | 230. | 230. |
| 418 | 40. | 100. | 100. | 170. | 230. | 230. |
| 420 | 40. | 100. | 100. | 170. | 230. | 230. |
| 502 | 40. | 100. | 100. | 660. | 880. | 880. |
| 504 | 40. | 100. | 100. | 660. | 880. | 880. |
| 505 | 40. | 100. | 100. | 480. | 650. | 650. |
| 506 | 40. | 100. | 100. | 480. | 650. | 650. |
| 507 | 40. | 100. | 100. | 480. | 650. | 650. |
| 508 | 40. | 100. | 100. | 480. | 650. | 650. |
| 512 | 40. | 100. | 100. | 480. | 650. | 650. |
| 514 | 40. | 100. | 100. | 330. | 440. | 440. |
| 515 | 40. | 100. | 100. | 330. | 440. | 440. |
| 516 | 40. | 100. | 100. | 330. | 440. | 440. |
| 518 | 40. | 100. | 100. | 330. | 440. | 440. |
| 522 | 40. | 100. | 100. | 330. | 440. | 440. |
| 523 | 40. | 100. | 100. | 330. | 440. | 440. |
| 524 | 40. | 100. | 100. | 330. | 440. | 440. |
| 600 | 40. | 100. | 100. | 330. | 440. | 440. |
| 602 | 40. | 100. | 100. | 170. | 230. | 230. |
| 604 | 40. | 100. | 100. | 660. | 880. | 880. |
| 606 | 40. | 100. | 100. | 170. | 230. | 230. |
| 608 | 40. | 100. | 100. | 600. | 800. | 800. |
| 609 | 40. | 100. | 100. | 600. | 800. | 800. |
| 610 | 40. | 100. | 100. | 330. | 440. | 440. |
| 612 | 40. | 100. | 100. | 330. | 440. | 440. |
| 614 | 40. | 100. | 100. | 480. | 650. | 650. |
| 620 | 40. | 100. | 100. | 330. | 440. | 440. |
| 630 | 40. | 100. | 100. | 330. | 440. | 440. |
| 635 | 40. | 100. | 100. | 230. | 310. | 310. |
| 637 | 40. | 100. | 100. | 230. | 310. | 310. |
| 638 | 40. | 100. | 100. | 330. | 440. | 440. |
| 639 | 40. | 100. | 100. | 330. | 440. | 440. |
| 640 | 40. | 100. | 100. | 330. | 440. | 440. |
| 650 | 40. | 100. | 100. | 330. | 440. | 440. |
| 660 | 40. | 100. | 100. | 330. | 440. | 440. |
| 670 | 40. | 100. | 100. | 480. | 650. | 650. |
| 702 | 40. | 100. | 100. | 975. | 1300. | 1300. |
| 703 | 40. | 100. | 100. | 975. | 1300. | 1300. |
| 704 | 40. | 100. | 100. | 330. | 440. | 440. |
| 705 | 40. | 100. | 100. | 480. | 650. | 650. |
| 706 | 40. | 100. | 100. | 975. | 1300. | 1300. |
| 708 | 40. | 100. | 100. | 480. | 650. | 650. |
| 712 | 40. | 100. | 100. | 170. | 230. | 230. |
| 714 | 40. | 100. | 100. | 660. | 880. | 880. |
| 716 | 40. | 100. | 100. | 330. | 440. | 440. |
| 718 | 40. | 100. | 100. | 330. | 440. | 440. |
| 722 | 40. | 100. | 100. | 230. | 310. | 310. |
| 723 | 40. | 100. | 100. | 825. | 1100. | 1100. |
| 724 | 40. | 100. | 100. | 330. | 440. | 440. |
| 725 | 40. | 100. | 100. | 330. | 440. | 440. |
| 726 | 40. | 100. | 100. | 330. | 440. | 440. |
| 728 | 40. | 100. | 100. | 330. | 440. | 440. |
| 732 | 40. | 100. | 100. | 330. | 440. | 440. |
| 736 | 40. | 100. | 100. | 330. | 440. | 440. |
| 738 | 40. | 100. | 100. | 330. | 440. | 440. |
| 742 | 40. | 100. | 100. | 75. | 100. | 100. |

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  746          40.     100.     100.      75.     100.     100.
  748          40.     100.     100.      75.     100.     100.
  751          40.     100.     100.      75.     100.     100.
  752          40.     100.     100.      75.     100.     100.
  800          40.     100.     100.     480.     650.     650.
  802          40.     100.     100.     480.     650.     650.
  804          40.     100.     100.     330.     440.     440.
  805          40.     100.     100.     330.     440.     440.
  806          40.     100.     100.     825.    1100.    1100.
  807          40.     100.     100.     825.    1100.    1100.
  808          40.     100.     100.     825.    1100.    1100.
  809          40.     100.     100.     825.    1100.    1100.
  810          40.     100.     100.     480.     650.     650.
  820          40.     100.     100.     480.     650.     650.
  830          40.     100.     100.     230.     310.     310.
  840          40.     100.     100.     230.     310.     310.
  850          40.     100.     100.     230.     310.     310.
  860          40.     100.     100.     480.     650.     650.
  870          40.     100.     100.     825.    1100.    1100.
  880          40.     100.     100.     825.    1100.    1100.
  890          40.     100.     100.     825.    1100.    1100.
  900          40.     100.     100.     975.    1300.    1300.
  901          40.     100.     100.     480.     650.     650.
  902          40.     100.     100.     480.     650.     650.
  904          40.     100.     100.     480.     650.     650.
  906          40.     100.     100.     330.     440.     440.
  908          40.     100.     100.     230.     310.     310.
  912          40.     100.     100.     230.     310.     310.
  914          40.     100.     100.     230.     310.     310.
  916          40.     100.     100.     230.     310.     310.
  922  924     40.     100.     100.     230.     310.     310.
  936          40.     100.     100.     975.    1300.    1300.
  938          40.     100.     100.     975.    1300.    1300.
  END NUT-BEDCONC

  NUT-ADSPARM
    RCHRES       Partition coefficients for NH4 AND PO4  (ml/g)        ***
    # -  #  NH4-sand  NH4-silt  NH4-clay  PO4-sand  PO4-silt  PO4-clay ***
  100  938      10.     100.     100.     600.    1000.    1000.
  END NUT-ADSPARM

  NUT-DINIT
*** RCHRES       NO3       TAM       NO2       PO4
*** x -  x      mg/l      mg/l      mg/l      mg/l
  100  938      3.0      0.50        0.     0.100        7.
  END NUT-DINIT

  PLNK-FLAGS
*** RCHRES Plankton flags
*** x -  x PHYF ZOOF BALF SDLT AMRF DECF NSFG ZFOO  BNP
  100  938    1    0    1    0    0    1    1    2
  END PLNK-FLAGS

  PLNK-PARM1
*** RCHRES    RATCLP    NONREF    LITSED     ALNPR      EXTB     MALGR    PARADF
*** x  - x                     l/mg.ft                /ft       /hr
```

```
  100  938      0.68       0.5    0.0015      0.25      0.13     0.032
  END PLNK-PARM1

  PLNK-PARM2
*** RCHRES     CMMLT      CMMN     CMMNP      CMMP    TALGRH    TALGRL    TALGRM
*** x  - x    ly/min      mg/l      mg/l      mg/l     deg F     deg F     deg F
  100  938     0.033     0.045     0.010     0.015       92.       40.       80.
  END PLNK-PARM2

  PLNK-PARM3
*** RCHRES     ALR20      ALDH      ALDL     OXALD     NALDH     PALDH
*** x -  x       /hr       /hr       /hr       /hr      mg/l      mg/l
  100  938     0.005      0.02     0.001      0.03      0.01     0.002
  END PLNK-PARM3

  PHYTO-PARM
*** RCHRES      SEED    MXSTAY      OREF    CLALDH    PHYSET    REFSET
*** x -  x      mg/l      mg/l     ft3/s      ug/l     ft/hr     ft/hr
  100  938        2.       10.       10.       40.     0.006     0.005
  END PHYTO-PARM

  BENAL-PARM
***RC HRES      MBAL    CFBALR    CFBALG    MINBAL     CAMPR     FRAVL    NMAXFX
*** x  - x     mg/m2                      mg/m2      mg/l               mg/l
  100          1500.     0.40       0.9    1.E-4
  101          1500.     0.40       0.9    1.E-4
  102          1500.     0.40       0.9    1.E-4
  104          1500.     0.40       0.9    1.E-4
  108          1500.     0.40       0.9    1.E-4
  110          1500.     0.40       0.9    1.E-4
  120          3000.     0.40       0.9    1.E-4
  130          3000.     0.40       0.9    1.E-4
  140          3000.     0.40       0.9    1.E-4
  150          3000.     0.40       0.9    1.E-4
  160          3000.     0.40       0.9    1.E-4
  202          1500.     0.40       0.9    1.E-4
  204          1500.     0.40       0.9    1.E-4
  206          1500.     0.40       0.9    1.E-4
  208          1500.     0.40       0.9    1.E-4
  212          1500.     0.40       0.9    1.E-4
  214          1500.     0.40       0.9    1.E-4
  216          1500.     0.40       0.9    1.E-4
  302          1500.     0.40       0.9    1.E-4
  304          3000.     0.40       0.9    1.E-4
  306          1500.     0.40       0.9    1.E-4
  308          3000.     0.40       0.9    1.E-4
  312          1500.     0.40       0.9    1.E-4
  314          1500.     0.40       0.9    1.E-4
  316          3000.     0.40       0.9    1.E-4
  318          1500.     0.40       0.9    1.E-4
  322          1500.     0.40       0.9    1.E-4
  324          1500.     0.40       0.9    1.E-4
  326          1500.     0.40       0.9    1.E-4
  402          1500.     0.40       0.9    1.E-4
  404          1500.     0.40       0.9    1.E-4
  406          1500.     0.40       0.9    1.E-4
```

| | | | | |
|---|---|---|---|---|
| 408 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 412 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 414 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 416 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 418 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 420 | 3000. | 0.40 | 0.9 | 1.E-4 |
| 502 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 504 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 505 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 506 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 507 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 508 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 512 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 514 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 515 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 516 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 518 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 522 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 523 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 524 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 600 | 3000. | 0.40 | 0.9 | 1.E-4 |
| 602 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 604 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 606 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 608 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 609 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 610 | 3000. | 0.40 | 0.9 | 1.E-4 |
| 612 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 614 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 620 | 3000. | 0.40 | 0.9 | 1.E-4 |
| 630 | 3000. | 0.40 | 0.9 | 1.E-4 |
| 635 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 637 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 638 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 639 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 640 | 3000. | 0.40 | 0.9 | 1.E-4 |
| 650 | 4200. | 0.40 | 0.9 | 1.E-4 |
| 660 | 4200. | 0.40 | 0.9 | 1.E-4 |
| 670 | 4200. | 0.40 | 0.9 | 1.E-4 |
| 702 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 703 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 704 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 705 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 706 | 3000. | 0.40 | 0.9 | 1.E-4 |
| 708 | 3000. | 0.40 | 0.9 | 1.E-4 |
| 712 | 3000. | 0.40 | 0.9 | 1.E-4 |
| 714 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 716 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 718 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 722 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 723 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 724 | 3000. | 0.40 | 0.9 | 1.E-4 |
| 725 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 726 | 3000. | 0.40 | 0.9 | 1.E-4 |
| 728 | 1500. | 0.40 | 0.9 | 1.E-4 |
| 732 | 1500. | 0.40 | 0.9 | 1.E-4 |

```
  736          3000.      0.40       0.9     1.E-4
  738          1500.      0.40       0.9     1.E-4
  742          1500.      0.40       0.9     1.E-4
  746          4200.      0.40       0.9     1.E-4
  748          4200.      0.40       0.9     1.E-4
  751          4200.      0.40       0.9     1.E-4
  752          4200.      0.40       0.9     1.E-4
  800          4200.      0.40       0.9     1.E-4
  802          1500.      0.40       0.9     1.E-4
  804          1500.      0.40       0.9     1.E-4
  805          1500.      0.40       0.9     1.E-4
  806          1500.      0.40       0.9     1.E-4
  807          1500.      0.40       0.9     1.E-4
  808          1500.      0.40       0.9     1.E-4
  809          1500.      0.40       0.9     1.E-4
  810          3000.      0.40       0.9     1.E-4
  820          4200.      0.40       0.9     1.E-4
  830          4200.      0.40       0.9     1.E-4
  840          4200.      0.40       0.9     1.E-4
  850          4200.      0.40       0.9     1.E-4
  860          4200.      0.40       0.9     1.E-4
  870          4200.      0.40       0.9     1.E-4
  880          4200.      0.40       0.9     1.E-4
  890          4200.      0.40       0.9     1.E-4
  900          4200.      0.40       0.9     1.E-4
  901          1500.      0.40       0.9     1.E-4
  902          3000.      0.40       0.9     1.E-4
  904          3000.      0.40       0.9     1.E-4
  906          3000.      0.40       0.9     1.E-4
  908          4200.      0.40       0.9     1.E-4
  912          4200.      0.40       0.9     1.E-4
  914          4200.      0.40       0.9     1.E-4
  916          1500.      0.40       0.9     1.E-4
  922  924     1500.      0.40       0.9     1.E-4
  936          1500.      0.40       0.9     1.E-4
  938          1500.      0.40       0.9     1.E-4
  980          1500.      0.40       0.9     1.E-4
  990          1500.      0.40       0.9     1.E-4
  END BENAL-PARM

  PLNK-INIT
*** RCHRES     PHYTO       ZOO     BENAL       ORN       ORP       ORC
*** x -  x      mg/l     org/l     mg/m2      mg/l      mg/l      mg/l
  100  938       2.0      0.03     1000.       0.5     0.100       0.5
  END PLNK-INIT

END RCHRES

FTABLES

  FTABLE    100
 rows cols                          ***
   18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.17      2.00      1.50       0.0
```

```
    0.35      5.00      4.92     11.06
    0.71     14.68      11.2     37.68
    1.06     23.53     18.85     79.57
    1.42     27.39     27.86    137.89
    1.77     31.24     38.24     214.0
    2.12      35.1     49.98    309.36
    2.83     42.81     77.56    563.45
    3.54     50.52     110.6    911.29
    4.25     58.24     149.1   1363.49
    5.66     95.94    258.26   2907.15
    7.08    133.65    420.81   5144.26
     8.5    171.36    636.75   8214.08
    9.91    209.06    906.09  12236.76
   11.33    246.77   1228.82  17323.02
   12.74    284.48   1604.94  23577.07
   14.16    322.18   2034.45   31098.2
 END FTABLE100

 FTABLE    101
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
     0.1       1.0       0.5       0.0
    0.28      2.03      0.80       3.5
    0.56      2.62      1.14     12.17
    0.84      3.21      1.95     26.15
    1.12      3.79      2.93      46.0
     1.4      4.38      4.07     72.34
    1.68      4.97      5.38    105.75
    2.24      6.14      8.49    196.14
     2.8      7.31     12.25     321.7
    3.36      8.49     16.67     486.7
    4.47     10.28     27.17   1041.34
    5.59     12.07     39.67   1788.85
    6.71     13.86     54.17   2739.22
    7.83     15.65     70.68   3902.78
    8.95     17.44     89.19    5290.2
   10.07     19.23     109.7   6912.25
   11.19     21.02    132.21   8779.76
 END FTABLE101

 FTABLE    102
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.12      0.60      0.40       0.0
    0.23      1.21      0.55      1.87
    0.46      2.87      1.33      6.61
    0.68      4.83      2.32     14.45
    0.91      5.79      3.53     25.77
    1.14      6.75      4.96     40.99
    1.37      7.71      6.61     60.49
    1.82      9.62     10.56    113.92
    2.28     11.54     15.38    188.97
```

```
    2.74     13.46     21.09     288.4
    3.65     29.32      40.6    647.87
    4.56     45.18     74.58   1223.52
    5.47     61.04    123.02   2081.07
    6.39      76.9    185.93   3276.07
     7.3     92.76    263.31   4858.87
    8.21    108.62    355.16   6876.32
    9.12    124.48    461.47   9372.66
 END FTABLE102

 FTABLE    104
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.17      3.00      1.50       0.0
    0.36      6.12      2.91      7.54
    0.72     10.31       6.6     25.64
    1.09     13.49     11.09     54.06
    1.45     15.68     16.37     93.55
    1.81     17.87     22.44    145.01
    2.17     20.05      29.3    209.41
     2.9     24.43      45.4    380.75
    3.62      28.8     64.66    614.96
    4.34     33.17     87.09    919.11
    5.79     49.53    146.96   1943.02
    7.24     65.89     230.5   3375.31
    8.69     82.25    337.74   5274.67
   10.13     98.61    468.65   7693.05
   11.58    114.97    623.25  10679.21
   13.03    131.33    801.54  14279.65
   14.48    147.69   1003.51  18539.07
 END FTABLE104

 FTABLE    108
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      2.30      1.60       0.0
    0.31      4.77      2.28      4.81
    0.62      6.06      3.95     16.56
    0.93      7.35      5.02     35.31
    1.23      8.63      7.48     61.72
    1.54      9.92     10.35     96.51
    1.85     11.21     13.61    140.43
    2.47     13.78     21.32    258.51
    3.09     16.35     30.62    421.57
     3.7     18.92     41.51    634.92
    4.94     37.36     76.26   1393.02
    6.17      55.8    133.78   2590.16
    7.41     74.23    214.06   4357.82
    8.64     92.67     317.1   6807.12
    9.88     111.1    442.91  10038.73
   11.11    129.54    591.48  14146.38
   12.35    147.97    762.82  19218.55
```

END FTABLE108

FTABLE 110
rows cols ***
19 4

| depth | area | volume | outflow *** |
|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 |
| 0.15 | 2.00 | 0.80 | 0.0 |
| 0.4 | 8.41 | 4.79 | 9.48 |
| 0.8 | 16.38 | 10.78 | 31.98 |
| 1.21 | 19.34 | 17.95 | 66.96 |
| 1.61 | 22.3 | 26.32 | 115.14 |
| 2.01 | 25.27 | 35.87 | 177.5 |
| 2.41 | 28.23 | 46.62 | 255.05 |
| 3.21 | 34.16 | 71.68 | 459.94 |
| 4.02 | 40.08 | 101.51 | 738.03 |
| 4.82 | 46.01 | 136.1 | 1097.25 |
| 6.43 | 77.8 | 235.58 | 2313.74 |
| 8.04 | 109.6 | 386.16 | 4069.77 |
| 9.64 | 141.39 | 587.84 | 6473.99 |
| 11.25 | 173.19 | 840.62 | 9620.04 |
| 12.86 | 204.99 | 1144.5 | 13594.11 |
| 14.46 | 236.78 | 1499.47 | 18477.34 |
| 16.07 | 268.58 | 1905.54 | 24346.99 |
| 20.00 | 500.00 | 3000.00 | 40000.00 |

END FTABLE110

FTABLE 120
rows cols ***
17 4

| depth | area | volume | outflow *** |
|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 |
| 0.46 | 11.45 | 7.7 | 15.02 |
| 0.93 | 22.08 | 17.07 | 50.23 |
| 1.39 | 25.71 | 28.13 | 104.23 |
| 1.85 | 29.33 | 40.86 | 177.78 |
| 2.31 | 32.96 | 55.27 | 272.05 |
| 2.78 | 36.59 | 71.36 | 388.36 |
| 3.7 | 43.84 | 108.57 | 692.58 |
| 4.63 | 51.1 | 152.49 | 1101.35 |
| 5.55 | 58.35 | 203.13 | 1625.32 |
| 7.4 | 129.8 | 377.23 | 3425.2 |
| 9.25 | 201.25 | 683.55 | 6179.9 |
| 11.1 | 272.71 | 1122.11 | 10159.8 |
| 12.95 | 344.16 | 1692.89 | 15593.45 |
| 14.8 | 415.61 | 2395.9 | 22688.24 |
| 16.66 | 487.06 | 3231.15 | 31637.34 |
| 18.51 | 558.52 | 4198.62 | 42623.3 |

END FTABLE120

FTABLE 130
rows cols ***
21 4

| depth | area | volume | outflow *** |
|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 |
| 0.24 | 8.00 | 3.50 | 0.0 |

```
    0.48     21.48       9.3     16.03
    0.96     25.57     20.57     53.49
    1.44     29.67     33.79    110.78
    1.92     33.77     48.98    188.58
    2.39     37.86     66.13    288.07
    2.87     41.96     85.25    410.58
    3.83     50.16    129.36    730.22
    4.79     58.35    181.32   1158.62
    5.75     66.55    241.13   1706.67
    7.66    101.96    402.51   3513.92
    9.58    137.37    631.71   6007.79
   11.49    172.78    928.73   9281.63
   13.41    208.18   1293.59  13418.07
   15.32    243.59   1726.26  18494.82
   17.24     279.0   2226.76   24586.1
   19.15    314.41   2795.08  31763.37
   21.07    349.82   3431.23  40095.76
   22.99    385.23    4135.2  49650.36
    24.9    420.64    4907.0  60492.45
 END FTABLE130

 FTABLE    140
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.51     10.21      6.17      20.1
    1.03     15.58     13.55     66.83
    1.54     17.95     22.15    137.87
    2.05     20.32     31.96    233.84
    2.56     22.69      43.0    355.99
    3.08     25.06     55.24     505.8
     4.1     29.81     83.39    894.72
    5.13     34.55     116.4   1413.27
    6.16     39.29    154.28   2073.98
    8.21     84.07    280.83   4311.42
   10.26    128.85    499.28   7671.58
   12.31    173.63     809.6  12454.08
   14.36    218.42   1211.81  18912.71
   16.41     263.2    1705.9  27278.14
   18.47    307.98   2291.88  37765.56
   20.52    352.76   2969.74  50578.53
 END FTABLE140

 FTABLE    150
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.93     13.68     10.98     21.64
    1.85     17.31     25.32     74.33
    2.78     20.95     43.01    316.48
     3.7     24.58     64.07    552.33
    4.63     28.21     88.48    862.58
    5.55     31.84    116.25   1253.67
     7.4      39.1    181.86    2303.7
```

```
    9.25     46.36    260.91   3751.58
    11.1     53.62    353.39   5644.09
    14.8    118.26    671.37  12380.91
    18.5    182.89    1228.5  23086.07
    22.2    247.53   2024.79  38975.29
    25.9    312.17   3060.23  61074.54
    29.6    376.81   4334.84  90313.02
    33.3    441.44    5848.6 127554.98
    37.0    506.08   7601.52 173616.07
 END FTABLE150

 FTABLE    160
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.66      71.4     43.46     47.26
    1.31     81.54     93.55    155.19
    1.97     91.68    150.29    316.15
    2.62    101.82    213.67    529.74
    3.28    111.96     283.7    797.31
    3.93     122.1    360.36   1120.89
    5.24    142.38    533.62   1945.66
    6.55    162.65    733.44   3024.25
    7.86    182.93    959.83   4377.48
   10.48    423.49   1754.36   8849.99
    13.1    664.06   3179.24  15476.75
   15.72    904.62   5234.48  24828.04
   18.34   1145.18   7920.08  37386.19
   20.96   1385.74  11236.04  53589.37
   23.58    1626.3  15182.35  73846.22
    26.2   1866.86  19759.02  98543.27
 END FTABLE160

 FTABLE    202
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      2.00      1.20       0.0
    0.31      4.67      2.35      4.01
    0.63      7.98      5.43      13.8
    0.94     13.29      9.23     29.41
    1.25      15.6     13.75     51.36
    1.57     17.91      19.0     80.25
    1.88     20.23     24.98    116.68
    2.51     24.85     39.09    214.56
    3.13     29.47     56.11    349.59
    3.76      34.1     76.02    526.15
    5.01     45.78    126.06   1122.78
    6.26     57.47    190.73   1950.44
    7.52     69.16    270.06   3036.87
    8.77     80.85    364.02   4407.11
   10.02     92.53    472.62   6084.96
   11.28    104.22    595.87   8093.33
   12.53    115.91    733.76  10454.37
```

END FTABLE202

FTABLE 204
rows cols ***
21 4

| depth | area | volume | outflow *** |
|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 |
| 0.15 | 2.50 | 1.50 | 0.0 |
| 0.36 | 5.01 | 3.46 | 7.85 |
| 0.72 | 10.67 | 7.88 | 26.71 |
| 1.07 | 16.33 | 13.24 | 56.37 |
| 1.43 | 18.99 | 19.56 | 97.61 |
| 1.79 | 21.65 | 26.83 | 151.4 |
| 2.15 | 24.31 | 35.05 | 218.75 |
| 2.86 | 29.63 | 54.36 | 398.09 |
| 3.58 | 34.96 | 77.47 | 643.42 |
| 4.29 | 40.28 | 104.39 | 962.2 |
| 5.72 | 61.7 | 177.36 | 2044.23 |
| 7.16 | 83.12 | 280.99 | 3590.56 |
| 8.59 | 104.54 | 415.28 | 5684.65 |
| 10.02 | 125.95 | 580.22 | 8399.03 |
| 11.45 | 147.37 | 775.81 | 11800.91 |
| 12.88 | 168.79 | 1002.06 | 15953.83 |
| 14.31 | 190.21 | 1258.97 | 20918.48 |
| 15.74 | 211.63 | 1546.53 | 26753.21 |
| 17.17 | 233.05 | 1864.75 | 33514.38 |
| 18.61 | 254.47 | 2213.62 | 41256.63 |

END FTABLE204

FTABLE 206
rows cols ***
18 4

| depth | area | volume | outflow *** |
|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 |
| 0.22 | 5.00 | 2.50 | 0.0 |
| 0.43 | 20.01 | 9.28 | 11.71 |
| 0.86 | 29.01 | 20.72 | 39.34 |
| 1.29 | 34.02 | 34.33 | 81.99 |
| 1.73 | 39.02 | 50.09 | 140.4 |
| 2.16 | 44.03 | 68.01 | 215.62 |
| 2.59 | 49.03 | 88.09 | 308.8 |
| 3.45 | 59.04 | 134.72 | 553.72 |
| 4.32 | 69.04 | 190.0 | 884.48 |
| 5.18 | 79.05 | 253.91 | 1310.1 |
| 6.9 | 128.91 | 433.41 | 2743.16 |
| 8.63 | 178.77 | 698.98 | 4802.11 |
| 10.36 | 228.64 | 1050.62 | 7611.02 |
| 12.08 | 278.5 | 1488.34 | 11276.82 |
| 13.81 | 328.36 | 2012.12 | 15897.99 |
| 15.54 | 378.22 | 2621.98 | 21567.28 |
| 17.26 | 428.08 | 3317.91 | 28373.04 |

END FTABLE206

FTABLE 208
rows cols ***
18 4

```
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      3.00      1.50       0.0
    0.31      6.27      3.02      4.96
    0.62      12.3      6.98     17.07
    0.93     17.33     11.87     36.41
    1.24     20.36      17.7     63.62
    1.55     23.39     24.47     99.48
    1.86     26.42     32.18    144.72
    2.48     32.49     50.42    266.36
    3.09     38.55      72.4     434.3
    3.71     44.61     98.14    654.02
    4.95     86.24    179.13    1427.9
    6.19    127.86    311.65   2624.51
    7.43    169.49     495.7   4361.24
    8.67    211.11    731.29   6737.62
     9.9    252.74    1018.4   9844.13
   11.14    294.36   1357.04  13765.12
   12.38    335.99   1747.22  18580.37
 END FTABLE208

 FTABLE    212
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.47       9.4      5.63     16.75
    0.93     16.02     12.47     56.02
     1.4     18.64     20.54    116.21
    1.86     21.26     29.82    198.15
    2.33     23.88     40.33    303.12
    2.79      26.5     52.05     432.6
    3.72     31.75     79.16    771.12
    4.65     36.99    111.14   1225.79
    5.58     42.23     148.0   1808.39
    7.45     54.89    238.39   3712.66
    9.31     67.55    352.35   6259.24
   11.17     80.22    489.88   9491.42
   13.03     92.88    650.98  13451.02
   14.89    105.54    835.65  18179.67
   16.75     118.2   1043.89  23718.76
   18.61    130.87    1275.7  30109.17
 END FTABLE212

 FTABLE    214
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      2.50      1.11       0.0
    0.35     12.75      7.11      6.44
     0.7     20.88     11.66     21.95
    1.04     25.01     19.65     46.42
    1.39     29.15     29.07     80.52
    1.74     33.28     39.94    125.08
    2.09     37.41     52.24    180.95
```

| | | | |
|---|---|---|---|
| 2.78 | 45.68 | 81.17 | 330.01 |
| 3.48 | 53.94 | 115.85 | 534.28 |
| 4.18 | 62.21 | 156.28 | 800.07 |
| 5.57 | 108.64 | 275.24 | 1714.26 |
| 6.96 | 155.08 | 458.84 | 3063.25 |
| 8.35 | 201.51 | 707.11 | 4945.16 |
| 9.75 | 247.94 | 1020.02 | 7444.03 |
| 11.14 | 294.37 | 1397.59 | 10636.91 |
| 12.53 | 340.8 | 1839.82 | 14596.03 |
| 13.92 | 387.24 | 2346.7 | 19390.03 |

END FTABLE214

FTABLE 216
rows cols ***
17 4

| depth | area | volume | outflow *** |
|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 |
| 0.5 | 11.22 | 7.36 | 23.08 |
| 1.0 | 19.2 | 16.21 | 76.83 |
| 1.5 | 22.18 | 26.56 | 158.72 |
| 2.0 | 25.16 | 38.39 | 269.56 |
| 2.5 | 28.13 | 51.71 | 410.9 |
| 3.0 | 31.11 | 66.52 | 584.5 |
| 4.0 | 37.07 | 100.6 | 1036.02 |
| 5.0 | 43.03 | 140.65 | 1639.21 |
| 6.0 | 48.99 | 186.65 | 2408.95 |
| 8.0 | 150.71 | 386.32 | 5155.23 |
| 10.0 | 252.43 | 789.4 | 9799.44 |
| 12.0 | 354.16 | 1395.88 | 17050.69 |
| 14.0 | 455.88 | 2205.78 | 27501.77 |
| 16.0 | 557.6 | 3219.09 | 41685.87 |
| 18.0 | 659.32 | 4435.8 | 60096.45 |
| 20.0 | 761.05 | 5855.93 | 83197.57 |

END FTABLE216

FTABLE 302
rows cols ***
18 4

| depth | area | volume | outflow *** |
|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 |
| 0.01 | 0.00 | 12.0 | 0.0 |
| 0.32 | 12.00 | 18.29 | 11.03 |
| 0.63 | 25.13 | 25.59 | 35.78 |
| 0.95 | 37.33 | 30.9 | 71.99 |
| 1.27 | 40.53 | 43.23 | 119.15 |
| 1.58 | 43.73 | 56.57 | 177.2 |
| 1.9 | 46.93 | 70.93 | 246.29 |
| 2.53 | 53.33 | 102.67 | 418.58 |
| 3.17 | 59.73 | 138.47 | 638.5 |
| 3.8 | 66.13 | 178.33 | 908.9 |
| 5.07 | 128.76 | 301.76 | 1770.9 |
| 6.33 | 191.39 | 504.52 | 3020.94 |
| 7.6 | 254.03 | 786.62 | 4758.85 |
| 8.87 | 316.66 | 1148.05 | 7068.94 |
| 10.13 | 379.29 | 1588.82 | 10027.79 |
| 11.4 | 441.92 | 2108.92 | 13706.84 |

```
   12.67    504.56   2708.36  18173.67
 END FTABLE302

 FTABLE    304
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.01       0.0      20.0       0.0
    0.37     20.92     25.66     22.92
    0.73     45.23     34.28      75.1
     1.1     50.54     46.83    152.59
    1.47     55.84     66.34    255.01
    1.83     61.15     87.78    382.83
     2.2     66.46    111.18    536.89
    2.93     77.07    163.81    927.77
    3.67     87.69    224.22   1436.38
     4.4      98.3    292.42   2071.88
    5.87    164.04     484.8   4132.99
    7.33    229.77     773.6   7083.99
     8.8    295.51    1158.8  11123.94
   10.27    361.24   1640.42  16422.44
   11.73    426.98   2218.44  23134.49
    13.2    492.71   2892.88   31405.3
   14.67    558.45   3663.73  41372.71
 END FTABLE304

 FTABLE    306
rows cols                          ***
  19    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.01       0.0      3.00       0.0
    0.15      3.00      5.00       0.0
    0.33      8.53      8.52      9.38
    0.67     15.47     12.68     33.41
     1.0     24.41      17.0     73.38
    1.33     29.35     25.96    131.42
    1.67     34.29     36.56    209.69
     2.0     39.23     48.82    310.33
    2.67     49.12     78.27    586.73
    3.33      59.0     114.3    976.12
     4.0     68.88    156.93   1493.05
    5.33    105.18    272.97   3267.68
    6.67    141.48    437.42   5747.24
     8.0    177.79    650.26   9013.86
    9.33    214.09    911.51  13142.31
   10.67    250.39   1221.16  18203.98
    12.0    286.69   1579.21  24267.72
   13.33    322.99   1985.66  31400.22
 END FTABLE306

 FTABLE    308
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
```

```
    0.0      0.0      0.0      0.0
   0.01      0.0     10.0      0.0
   0.38    10.27     15.5    10.39
   0.77     20.9    19.77    35.35
   1.15    28.53    24.82    74.57
   1.53    33.17    36.65   129.09
   1.92     37.8    50.25   200.19
    2.3    42.44    65.63   289.17
   3.07     51.7   101.72   526.05
   3.83    60.97   144.91   849.95
    4.6    70.24    195.2  1270.71
   6.13   252.74   442.82  2870.07
   7.67   435.25   970.28  5829.76
    9.2   617.75  1777.59 10719.72
  10.73   800.26  2864.73 18015.03
  12.27   982.77  4231.72 28141.89
   13.8  1165.27  5878.55 41493.97
  15.33  1347.78  7805.22 58440.87
END FTABLE308

FTABLE    312
rows cols                          ***
 18    4
   depth      area    volume  outflow ***
    0.0      0.0      0.0      0.0
   0.01      0.0     10.0      0.0
   0.37     9.87    14.59     8.72
   0.75    14.81    17.65    29.57
   1.12    24.75    24.18     62.2
    1.5    28.69    31.19   107.41
   1.87    32.62    42.68   166.19
   2.25    36.56    55.64   239.59
    3.0    44.43     86.0   434.43
   3.75    52.31   122.25   700.15
    4.5    60.18   164.41  1044.62
    6.0   102.89   286.63  2243.54
   7.49   145.59   472.86  4083.88
   8.99   188.29    723.1  6743.41
  10.49    231.0  1037.35 10372.72
  11.99    273.7  1415.61 15108.62
  13.49    316.4  1857.89 21078.66
  14.99    359.1  2364.18 28403.46
END FTABLE312

FTABLE    314
rows cols                          ***
 22    4
   depth      area    volume  outflow ***
    0.0      0.0      0.0      0.0
   0.01      0.0     10.0      0.0
   0.26     9.74    14.02     6.48
   0.52    19.62    17.78    21.14
   0.78     30.5    22.29    42.72
   1.03    33.38    28.54    71.02
   1.29    36.26    37.54   106.08
   1.55    39.14    47.27   148.04
```

```
    2.07      44.9     68.98    253.54
    2.58     50.66     93.67    389.41
     3.1     56.42    121.33    557.75
    4.13    100.06    202.17   1096.27
    5.17    143.71    328.12   1863.28
     6.2    187.35    499.17   2910.19
    7.23     231.0    715.31   4280.76
    8.27    274.64    976.56   6014.93
     9.3    318.29    1282.9    8150.1
   10.33    361.93   1634.35  10721.77
   11.37    405.58    2030.9   13763.9
    12.4    449.22   2472.55  17309.17
   13.43    492.87   2959.29  21389.18
   20.00    600.00   6000.00  40000.00
 END FTABLE314

 FTABLE    316
rows cols                          ***
 21    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.01       0.0      25.0       0.0
    0.33     20.26     30.04     22.63
    0.65      32.0     35.32     72.11
    0.98     32.75     40.84    142.28
     1.3     33.49      45.6     230.7
    1.63     34.23     52.61    335.98
    1.95     34.98     63.85    457.16
     2.6     36.47     87.07    744.76
    3.25     37.96    111.26   1089.94
     3.9     39.44    136.42   1490.66
     5.2     60.97    201.68   2563.32
     6.5     82.49    294.94   3959.74
     7.8    104.02    416.17   5732.59
     9.1    125.55    565.39   7926.68
    10.4    147.07    742.59  10583.13
    11.7     168.6    947.77  13740.68
    13.0    190.12   1180.94  17436.29
    14.3    211.65   1442.09   21705.5
    15.6    233.17   1731.23  26582.64
    16.9     254.7   2048.35  32101.01
 END FTABLE316

 FTABLE    318
rows cols                          ***
 18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      1.50      0.80       0.0
     0.3      3.09       2.1      3.39
     0.6      7.31      4.87     11.71
     0.9     10.53      8.31     25.03
     1.2     14.74     12.41     43.82
    1.51     16.96     17.18     68.61
    1.81     19.18     22.62     99.95
    2.41     23.62      35.5    184.36
```

```
    3.01     28.06     51.06    301.09
    3.61     32.49     69.29     454.0
    4.82     60.75    125.42    993.71
    6.02      89.0    215.57   1830.13
    7.22    117.26    339.75    3046.1
    8.43    145.51    497.94   4711.86
    9.63    173.77    690.16   6891.22
   10.84    202.03     916.4   9643.68
   12.04    230.28   1176.66  13025.53
 END FTABLE318

 FTABLE    322
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.39     10.72      7.42      9.19
    0.77     20.67     16.76     31.11
    1.16     31.62      28.0     65.31
    1.54     36.58     41.16    112.58
    1.93     41.53     56.23    173.91
    2.31     46.48     73.21    250.38
    3.09     56.39     112.9    452.96
    3.86      66.3    160.23    728.68
    4.63      76.2    215.22   1085.59
    6.17    157.34    395.43   2365.63
    7.72    238.47    700.85   4482.05
    9.26     319.6   1131.49   7725.77
    10.8    400.74   1687.34  12340.83
   12.35    481.87    2368.4  18547.27
   13.89     563.0   3174.68   26549.1
   15.43    644.14   4106.17  36538.41
 END FTABLE322

 FTABLE    324
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.58      15.9      11.6     44.58
    1.15     25.43     25.23     147.3
    1.73     28.96     40.89    301.98
     2.3     32.49     58.59    509.12
    2.88     36.02     78.33    770.77
    3.46     39.56     100.1   1089.54
    4.61     46.62    149.73   1909.95
    5.76     53.68    207.51    2994.0
    6.91     60.74    273.42   4365.47
    9.22    133.56    497.26   8948.25
   11.52    206.37    888.87  15744.59
   13.82    279.18   1448.24  25325.92
   16.13     352.0   2175.39  38176.53
   18.43    424.81    3070.3   54737.0
   20.74    497.63   4132.98  75418.62
   23.04    570.44   5363.42 100610.65
 END FTABLE324
```

```
 FTABLE    326
rows cols                          ***
  17    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.62     33.00     25.21      46.4
     1.24     50.44     54.49    152.76
     1.86     57.02     87.86    311.98
     2.48     63.59    125.32    524.05
     3.11     70.16    166.85    790.63
     3.73     76.73    212.47   1113.99
     4.97     89.88    315.96   1941.53
     6.21    103.03    435.77   3028.44
     7.45    116.17    571.92   4396.89
     9.94    154.96    908.73   8753.04
    12.42    193.76   1341.91  14482.42
    14.91    232.55   1871.46  21656.15
    17.39    271.34   2497.39  30345.27
    19.88    310.13   3219.69  40622.32
    22.36    348.92   4038.36  52560.52
    24.84    387.71   4953.41  66233.11
 END FTABLE326

 FTABLE    402
rows cols                          ***
  18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.15      1.50      0.80       0.0
     0.29      3.51      1.87      4.66
     0.58      6.63      4.35     16.14
     0.87     11.75      7.44      34.6
     1.16     13.87     11.15     60.73
     1.45     15.99     15.46     95.31
     1.74      18.1      20.4    139.11
     2.31     22.34      32.1    257.35
     2.89     26.58     46.25    421.27
     3.47     30.81     62.86    636.37
     4.63     56.28    113.26   1390.85
     5.79     81.74    193.13   2537.46
     6.94    107.21    302.47   4176.41
      8.1    132.68    441.29   6393.05
     9.26    158.14    609.58   9265.21
    10.42    183.61    807.34  12865.67
    11.57    209.07   1034.58  17263.35
 END FTABLE402

 FTABLE    404
rows cols                          ***
  18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.15      3.00      1.50       0.0
     0.32      6.52      3.45      8.25
     0.63     10.83      7.95     28.33
```

```
    0.95     19.14      13.5      60.3
    1.27     22.44      20.1    105.21
    1.59     25.75     27.75    164.27
     1.9     29.06     36.45     238.7
    2.54     35.67      57.0    438.47
    3.17     42.29     81.75    713.84
    3.81      48.9    110.71   1073.69
    5.08    111.48    212.54   2362.36
    6.35    174.06    393.85   4440.94
    7.62    236.65    654.63   7562.56
    8.89    299.23    994.88  11940.43
   10.16    361.81    1414.6  17767.36
   11.43    424.39   1913.79  25222.45
    12.7    486.97   2492.45  34474.62
 END FTABLE404

 FTABLE    406
rows cols                          ***
 21    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      2.00      0.80       0.0
     0.4      7.72      3.46      7.55
     0.8     10.88      7.77      25.5
     1.2     14.03     12.95     53.41
     1.6     16.19     18.99     91.86
     2.0     18.34      25.9    141.64
     2.4      20.5     33.66    203.57
     3.2     24.81     51.77    367.24
     4.0     29.12     73.33    589.46
     4.8     33.43     98.34    876.59
     6.4     51.67    166.39   1840.46
     8.0     69.91    263.62   3197.71
     9.6     88.15    390.01   5011.77
    11.2    106.39    545.58   7338.14
   12.79    124.64    730.33  10228.53
   14.39    142.88    944.24   13732.0
   15.99    161.12   1187.33  17895.58
   17.59    179.36    1459.6  22764.57
   19.19     197.6   1761.03   28382.8
   20.79    215.84   2091.64  34792.82
 END FTABLE406

 FTABLE    408
rows cols                          ***
 18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      3.00      1.50       0.0
    0.42      7.13      4.93      8.64
    0.84     14.93     11.03     29.09
    1.26     18.73      18.3     60.73
    1.68     21.53     26.75    104.16
     2.1     24.33     36.38    160.19
    2.52     27.13     47.18    229.71
    3.36     32.73     72.31     412.8
```

```
    4.2     38.33    102.14    660.55
   5.04     43.93    136.67    979.83
   6.72     68.35    230.94   2054.57
    8.4     92.77    366.21    3591.0
  10.07    117.19    542.49   5676.32
  11.75    141.61    759.77   8385.95
  13.43    166.03   1018.06  11789.55
  15.11    190.45   1317.36   15952.8
  16.79    214.87   1657.66  20938.36
END FTABLE408

 FTABLE    412
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.16      3.00      2.50       0.0
    0.33      6.00      4.35      6.84
    0.67     15.67      9.98     23.41
     1.0     22.46     16.86     49.63
    1.34     26.24     25.02     86.29
    1.67     30.02     34.44    134.33
    2.01      33.8     45.13    194.69
    2.68     41.37     70.31    356.15
    3.35     48.93    100.55    577.95
    4.02      56.5    135.87    867.08
    5.36     72.32    222.16   1830.32
     6.7     88.14    329.65   3123.56
    8.04    103.96    458.34   4764.49
    9.38    119.78    608.23   6771.14
   10.72     135.6    779.31   9162.01
   12.06    151.43    971.59  11955.78
    13.4    167.25   1185.07  15171.12
END FTABLE412

 FTABLE    414
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.20      4.00      2.50       0.0
    0.39      8.03      4.49     10.61
    0.78     12.99     10.14     35.91
    1.17     18.94     16.93     75.34
    1.56      21.9     24.87    129.79
    1.94     24.85     33.96    200.42
    2.33     27.81     44.21    288.44
    3.11     33.71     68.13    521.49
    3.89     39.62     96.66     838.5
    4.67     45.53    129.78   1248.69
    6.22     81.57    228.64   2654.27
    7.78    117.61    383.58   4738.15
    9.33    153.64    594.57   7661.15
   10.89    189.68    861.63  11560.53
   12.45    225.72   1184.76  16561.79
    14.0    261.76   1563.95  22782.42
```

```
   15.56     297.8    1999.2  30333.89
 END FTABLE414

 FTABLE    416
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      4.00      1.90       0.0
    0.49      16.1      8.12     20.43
    0.99     21.45      17.9     68.06
    1.48     24.81     29.34    140.69
    1.98     28.16     42.45    239.09
    2.47     31.52     57.21    364.63
    2.97     34.88     73.63    518.94
    3.96     41.59    111.45    920.58
    4.95      48.3    155.92   1457.57
    5.94     55.01    207.02   2143.25
    7.91    390.26    647.54   5089.49
    9.89    725.51    1751.4  11895.05
   11.87   1060.76    3518.6  24523.62
   13.85   1396.01   5949.15   44602.3
   15.83   1731.26   9043.03  73583.86
   17.81   2066.52  12800.26  112805.5
   19.79   2401.77  17220.84 163519.43
 END FTABLE416

 FTABLE    418
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
     0.1       0.4       0.3       0.0
    0.26      1.02      0.45      3.16
    0.52      1.32      0.53     11.04
    0.78      1.63      0.91     23.86
    1.04      1.94      1.38     42.18
     1.3      2.25      1.92     66.59
    1.56      2.56      2.55     97.69
    2.08      3.17      4.04     182.2
     2.6      3.79      5.85    300.08
    3.12      4.41      7.98    455.47
    4.16     37.13     29.56   1209.92
     5.2     69.85     85.16   3150.12
    6.24    102.58    174.77   6901.63
    7.28     135.3    298.39  12982.58
    8.32    168.02    456.02  21855.36
    9.35    200.74    647.66  33945.38
   10.39    233.47    873.32   49650.9
 END FTABLE418

 FTABLE    420
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
```

```
     0.1       0.4       0.3       0.0
    0.27       1.1      0.49      4.63
    0.55      2.71      1.15      16.1
    0.82      3.33      1.97     34.67
    1.09      3.94      2.96      61.1
    1.37      4.56      4.12      96.2
    1.64      5.17      5.45     140.8
    2.18      6.41      8.61    261.63
    2.73      7.64     12.45     429.7
    3.28      8.87     16.95    650.79
    4.37      26.6     36.32    1486.4
    5.46     44.33     75.05   2979.78
    6.55     62.06    133.15    5389.3
    7.64     79.79    210.61   8930.93
    8.74     97.53    307.43   13798.8
    9.83    115.26    423.62  20172.48
   10.92    132.99    559.17  28220.75
 END FTABLE420

 FTABLE    502
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.22      2.00      0.95       0.0
    0.42      4.16       2.3      8.18
    0.83      7.43      5.14     27.35
    1.25      8.69      8.49     56.82
    1.67      9.95     12.38     97.03
    2.08     11.21     16.78    148.68
     2.5     12.47     21.72    212.53
    3.33      15.0     33.17    379.95
    4.17     17.52     46.72    605.51
     5.0     20.05     62.37    895.25
    6.67     67.02    134.93   1966.46
    8.33     114.0    285.79   3878.85
    10.0    160.98    514.94   6972.46
   11.67    207.95    822.38  11530.93
   13.33    254.93   1208.12  17808.89
    15.0    301.91   1672.15  26041.67
   16.67    348.88   2214.48   36450.3
 END FTABLE502

 FTABLE    504
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
     0.4     12.88      8.24      9.63
    0.81     24.91      18.5     32.48
    1.21     32.94     30.81     67.97
    1.62     37.96     45.14    116.84
    2.02     42.99     61.51    180.04
    2.43     48.02     79.91    258.63
    3.23     58.08    122.81    466.16
    4.04     68.13    173.84    747.71
```

```
    4.85     78.19    233.01    1111.27
    6.47    108.96    384.35    2318.45
    8.09    139.72    585.46    3968.89
     9.7    170.49    836.33    6109.62
   11.32    201.26   1136.96     8783.5
   12.94    232.02   1487.36   12031.55
   14.56    262.79   1887.52   15893.47
   16.17    293.56   2337.43   20407.82
 END FTABLE504

 FTABLE    505
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      2.00      0.95       0.0
     0.3      4.81      2.29       4.6
     0.6      8.24       5.3     15.86
     0.9     13.66      9.04      33.9
     1.2     16.08     13.51     59.36
     1.5      18.5      18.7     92.96
     1.8     20.92     24.63    135.44
     2.4     25.76     38.65    249.84
    3.01      30.6     55.59    408.06
    3.61     35.44     75.44    615.34
    4.81    111.47    163.75   1430.02
    6.01     187.5    343.46   3008.17
    7.21    263.53    614.58    5684.1
    8.42    339.56    977.09   9736.18
    9.62    415.59   1431.01  15413.88
   10.82    491.62   1976.32  22947.49
   12.02    567.65   2613.04  32553.07
 END FTABLE505

 FTABLE    506
rows cols                          ***
  21    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      2.00      0.80       0.0
    0.34      4.04      2.12      3.68
    0.69      8.79      4.85     12.56
    1.03     10.55      8.18     26.57
    1.38      12.3     12.11     46.12
    1.72     14.05     16.65     71.68
    2.07     15.81     21.79    103.76
    2.75     19.31     33.88     189.4
    3.44     22.82     48.38    306.85
    4.13     26.32      65.3    459.74
    5.51     46.95    115.75    983.84
    6.89     67.58    194.62   1749.22
    8.26     88.21    301.89    2806.7
    9.64    108.84    437.57    4200.0
   11.02    129.47    601.66   5969.34
   12.39     150.1    794.16    8152.5
   13.77    170.73   1015.07  10785.45
```

```
   15.15    191.35   1264.38  13902.63
   16.53    211.98   1542.11  17537.26
    17.9    232.61   1848.25  21721.49
 END FTABLE506

 FTABLE    507
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      1.50      0.70       0.0
    0.36      3.42      1.38      11.7
    0.71      5.49      3.15     39.84
    1.07      6.57       5.3      84.1
    1.42      7.64      7.83    145.68
    1.78      8.71     10.74    226.02
    2.14      9.78     14.03    326.63
    2.85     11.93     21.77    594.64
    3.56     14.08     31.03    961.36
    4.27     16.22     41.82   1437.98
     5.7     24.26     70.66   3044.27
    7.12     32.31    110.95   5293.16
    8.55     40.35     162.7   8277.48
    9.97     48.39    225.91  12079.34
    11.4     56.43    300.57   16775.8
   12.82     64.47     386.7  22440.33
   14.25     72.52    484.28  29143.57
 END FTABLE507

 FTABLE    508
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      1.00      0.40       0.0
    0.41      3.63      1.69     11.47
    0.82      5.64       3.8     38.65
    1.23      6.64      6.32     80.82
    1.64      7.65      9.25    138.79
    2.05      8.65     12.59    213.71
    2.46      9.66     16.35    306.79
    3.28     11.67      25.1    552.34
     4.1     13.68     35.49    885.12
    4.92     15.69     47.54   1314.51
    6.56     24.37     80.41   2757.75
    8.21     33.04    127.51    4805.1
    9.85     41.72    188.86   7562.38
   11.49     50.39    264.43  11121.61
   13.13     59.07    354.25  15568.11
   14.77     67.74     458.3  20982.57
   16.41     76.42    576.59  27442.13
 END FTABLE508

 FTABLE    512
rows cols                          ***
  20    4
```

```
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.38       5.2      2.58      7.94
    0.77      8.11      5.52     25.91
    1.15      9.03       8.8     52.48
    1.53      9.94     12.44     87.44
    1.92     10.86     16.43    130.91
     2.3     11.78     20.77    183.13
    3.07     13.61      30.5    315.07
    3.83     15.44     41.63    485.99
     4.6     17.27     54.17    698.79
    6.13     49.38    105.27   1455.32
    7.67     81.48    205.59   2803.95
     9.2    113.58    355.14   4993.22
   10.73    145.68    553.91   8229.95
   12.27    177.79     801.9  12699.48
    13.8    209.89   1099.12  18572.94
   15.33    241.99   1445.56  26010.92
   16.87    274.09   1841.23   35165.8
    18.4     306.2   2286.12  46183.23
   19.93     338.3   2780.23   59203.2
 END FTABLE512

 FTABLE    514
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.17      4.00      1.90       0.0
    0.34      9.73      4.35      5.18
    0.68     12.44      9.96      17.7
    1.01     22.16     16.83      37.5
    1.35     25.87     24.95     65.17
    1.69     29.58     34.33    101.39
    2.03      33.3     44.97    146.89
    2.71     40.72     70.01    268.49
    3.38     48.15    100.07    435.44
    4.06     55.58    135.16    652.96
    5.41     85.99    230.94   1394.52
    6.77    116.41    367.87    2459.1
    8.12    146.82    545.96   3906.17
    9.47    177.24     765.2   5787.37
   10.82    207.65   1025.59   8150.51
   12.18    238.07   1327.14  11040.72
   13.53    268.48   1669.84  14501.09
 END FTABLE514

 FTABLE    515
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      0.50      0.30       0.0
    0.22      1.00      0.48      1.44
    0.44       2.5      1.16       5.1
    0.66      4.38      2.02     11.18
```

```
    0.88      5.26      3.09     19.99
     1.1      6.14      4.35     31.85
    1.32      7.02       5.8     47.08
    1.77      8.78      9.29     88.87
    2.21     10.55     13.55    147.67
    2.65     12.31     18.59    225.68
    3.53      17.6     31.79    494.59
    4.41     22.88     49.65    875.03
     5.3     28.17     72.18   1382.68
    6.18     33.46     99.37    2031.5
    7.06     38.74    131.23   2834.66
    7.94     44.03    167.76   3804.74
    8.83     49.32    208.95   4953.86
 END FTABLE515

 FTABLE    516
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.24      2.00      1.00       0.0
    0.58      8.03      5.35     71.67
    1.17     11.76      11.7    104.93
    1.75     13.49     19.06    215.57
    2.33     15.22     27.44    364.28
    2.92     16.95     36.82    368.52
     3.5     18.68     47.21    522.13
    4.67     22.13     71.01    919.21
    5.83     25.59     98.85   1446.36
     7.0     29.05    130.73   2115.83
    9.33     30.35    200.03   4249.42
   11.67     31.65    272.36    6953.8
    14.0     32.95    347.73  10187.48
   16.33     34.25    426.14  13922.77
   18.67     35.55    507.57  18139.91
    21.0     36.85    592.05  22824.19
   23.33     38.15    679.55  27964.33
 END FTABLE516

 FTABLE    518
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.53     36.71      19.6     19.66
    1.06     47.83     42.96     65.27
    1.58     54.95     70.08    134.43
    2.11     62.08    100.96    227.66
    2.64      69.2     135.6    346.11
    3.17     76.32     174.0    491.14
    4.22     90.57    262.07    866.86
    5.28    104.82    365.18   1366.72
    6.33    119.06    483.33   2002.54
    8.44    227.41     849.0   4135.18
   10.55    335.76   1443.38   7275.55
   12.66    444.11   2266.47  11669.66
```

```
   14.78    552.46   3318.26  17526.73
   16.89     660.8   4598.75  25037.55
    19.0    769.15   6107.94  34380.54
   21.11     877.5   7845.84  45724.78
 END FTABLE518

 FTABLE    522
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.55      9.78      5.39     19.17
    1.09     12.61     11.77     63.51
    1.64     14.43     19.16    261.11
    2.18     16.26     27.54    441.41
    2.73     18.09     36.92    669.95
    3.28     19.92      47.3    949.24
    4.37     23.57     71.05    1670.9
    5.46     27.23      98.8   2628.46
    6.55     30.88    130.53   3843.92
    8.74      46.7    215.28   7799.07
   10.92     62.52    334.58  13190.26
   13.11     78.33    488.43  20191.93
   15.29     94.15    676.84  28959.74
   17.48    109.97    899.81  39640.94
   19.66    125.79   1157.33  52376.89
   21.85     141.6    1449.4  67304.17
 END FTABLE522

 FTABLE    523
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.45      5.00      4.50       0.0
    1.08     19.51     21.01    235.41
    2.17     19.74     42.27    747.24
    3.25     19.97     63.78   2936.89
    4.33      20.2     85.53   4743.04
    5.42     20.43    107.54   6879.25
     6.5     20.66    129.79   9322.01
    8.67     21.12    175.04  15060.37
   10.83     21.57    221.29  21856.02
    13.0     22.03    268.53  29639.86
   17.33     61.82    450.21   50539.8
   21.67     101.6    804.27  80969.77
    26.0    141.38   1330.73 124182.16
   30.33    181.16   2029.58 182881.28
   34.67    220.95   2900.82 259494.23
    39.0    260.73   3944.45 356265.67
   43.33    300.51   5160.47 475306.13
 END FTABLE523

 FTABLE    524
rows cols                          ***
  17    4
```

```
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.56      9.19       4.7     32.69
    1.12     10.72     10.25    108.18
    1.67     12.25     16.66    222.14
    2.23     13.77     23.92    375.13
    2.79      15.3     32.03    568.78
    3.35     16.83     40.99    805.13
    4.46     19.88     61.47    1414.9
    5.58     22.94     85.36   2222.65
    6.69     25.99    112.65   3246.62
    8.93    119.41    274.88   7042.98
   11.16    212.83    645.57  14090.43
   13.39    306.24    1224.7  25793.55
   15.62    399.66   2012.29  43320.97
   17.85    493.08   3008.34  67719.74
   20.08    586.49   4212.84  99956.18
   22.31    679.91   5625.79 140937.06
 END FTABLE524

 FTABLE    600
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.75     33.32      23.6    112.68
    1.51     37.38     50.27    367.82
    2.26     41.45     80.01    744.64
    3.02     45.52    112.82   1240.02
    3.77     49.59     148.7   1855.19
    4.53     53.66    187.65   2593.24
    6.04     61.79    274.76   4454.42
    7.55     69.93    374.14    6860.0
    9.05     78.06     485.8   9849.05
   12.07     97.81    751.19   19146.4
   15.09    117.56   1076.19   31177.7
   18.11    137.31   1460.79  46022.68
   21.13    157.06    1905.0   63771.0
   24.14    176.81   2408.81   84521.1
   27.16    196.56   2972.22 108376.64
   30.18    216.31   3595.23 135444.27
 END FTABLE600

 FTABLE    602
rows cols                          ***
  21    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.18      5.00      2.70       0.0
    0.38     12.29      8.61      14.3
    0.77     24.07     19.44     48.41
    1.15     36.85      32.5    101.66
    1.54     42.63     47.78    175.27
    1.92     48.42     65.29    270.81
    2.31      54.2     85.01    389.94
    3.08     65.77    131.14    705.64
```

```
    3.84     77.33    186.16   1135.42
    4.61      88.9    250.08   1691.84
    6.15     132.8    420.56   3567.17
    7.69    176.69    658.55   6221.77
    9.23    220.59    964.05   9786.47
   10.77    264.49   1337.06  14375.51
    12.3    308.39   1777.59  20095.07
   13.84    352.28   2285.63  27045.76
   15.38    396.18   2861.18  35323.88
   16.92    440.08   3504.24  45022.14
   18.46    483.98   4214.81  56230.17
   19.99    527.87   4992.89  69034.98
 END FTABLE602

 FTABLE    604
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      5.00      3.50       0.0
    0.37     16.69      9.47     11.68
    0.75      35.4     21.45     39.63
    1.12     42.11     35.93     83.37
     1.5     48.81     52.93    143.98
    1.87     55.52     72.43    222.81
    2.24     62.23     94.43    321.25
    2.99     75.65    145.97    582.62
    3.74     89.06    207.54    939.13
    4.49    102.48    279.13   1401.36
    5.98    167.43    480.91   2972.65
    7.48    232.38    779.79   5240.83
    8.97    297.33   1175.78    8343.6
   10.47    362.27   1668.89  12399.86
   11.96    427.22    2259.1  17519.19
   13.46    492.17   2946.42  23804.83
   14.95    557.12   3730.86  31355.15
 END FTABLE604

 FTABLE    606
rows cols                          ***
  21    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.22      2.00      1.00       0.0
    0.45       4.9      1.99     11.69
     0.9      5.88      4.42     39.15
    1.35      6.87       7.3     81.38
    1.81      7.85     10.62    138.99
    2.26      8.84     14.39    212.95
    2.71      9.82      18.6    304.35
    3.61     11.79     28.35    543.82
    4.51     13.75     39.88    866.17
    5.42     15.72     53.18   1279.94
    7.22      36.5    100.32   2723.85
    9.03     57.28    184.97    5011.6
   10.83     78.06    307.14   8410.68
```

```
   12.64     98.84    466.83  13146.16
   14.44    119.63    664.03  19421.48
   16.25    140.41    898.74  27425.63
   18.05    161.19   1170.97  37336.84
   19.86    181.97   1480.72  49324.79
   21.66    202.75   1827.98  63552.15
   23.47    223.53   2212.75  80175.63
 END FTABLE606

 FTABLE    608
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.38     10.22      7.77     10.41
    0.76      24.6     17.58     35.28
    1.14     33.97     29.42     74.17
    1.51     39.35      43.3    127.99
    1.89     44.73     59.21    197.92
    2.27      50.1     77.16     285.2
    3.03     60.86    119.16    516.74
    3.79     71.61     169.3    832.28
    4.54     82.36    227.58   1241.13
    6.06    226.57    461.45   2760.53
    7.57    370.77    913.66   5463.53
    9.08    514.98    1584.2   9821.13
    10.6    659.18   2473.08  16226.55
   12.11    803.39   3580.29  25033.01
   13.63    947.59   4905.84  36567.08
   15.14    1091.8   6449.72  51135.61
 END FTABLE608

 FTABLE    609
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.38      2.29      1.46      8.36
    0.77      4.28       3.3     28.32
    1.15      6.26      5.52     59.46
    1.54      7.24      8.11    102.51
    1.92      8.22     11.08     158.4
    2.31       9.2     14.43    228.08
    3.07     11.17     22.26    412.75
    3.84     13.13      31.6    664.15
    4.61      15.1     42.45    989.65
    6.15     25.05     73.31   2099.84
    7.69      35.0    119.47   3723.09
    9.22     44.95    180.93   5971.06
   10.76     54.91    257.69   8939.57
    12.3     64.86    349.76  12716.54
   13.84     74.81    457.12   17384.5
   15.37     84.76    579.78  23021.91
 END FTABLE609

 FTABLE    610
```

```
rows cols                          ***
  17    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.83     29.19     22.23     66.39
     1.67     34.22     48.65    219.98
      2.5     39.25     79.26    452.41
     3.33     44.29    114.07    765.17
     4.17     49.32    153.07   1161.93
      5.0     54.35    196.26   1647.16
     6.67     64.42    295.24   2902.22
     8.33     74.48    410.98   4569.38
     10.0     84.54     543.5   6687.46
    13.33    145.54    926.98  13725.47
    16.67    206.54   1513.79  23848.55
     20.0    267.54   2303.94  37712.94
    23.33    328.54   3297.41  55880.71
    26.67    389.54   4494.21  78867.38
     30.0    450.54   5894.34  107157.0
    33.33    511.54    7497.8 141209.71
 END FTABLE610

 FTABLE    612
rows cols                          ***
  20    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
      0.4      4.08       1.8      8.92
      0.8      6.21      4.06     30.13
      1.2      7.34      6.76     63.12
      1.6      8.47      9.91    108.58
     1.99       9.6     13.52    167.44
     2.39     10.73     17.57    240.68
     3.19     12.98     27.03    434.26
     3.99     15.24     38.29    697.13
     4.79      17.5     51.36   1036.82
     6.38     25.92      86.0   2177.94
     7.98     34.34    134.08   3787.46
     9.58     42.76     195.6   5942.18
    11.17     51.18    270.55   8709.22
    12.77     59.59    358.94  12151.05
    14.36     68.01    460.76  16326.94
    15.96     76.43    576.02   21293.6
    17.55     84.85    704.72  27105.69
    19.15     93.27    846.85  33816.08
    20.75    101.69   1002.42   41476.1
 END FTABLE612

 FTABLE    614
rows cols                          ***
  17    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.45     22.13     13.26     11.51
     0.89     37.86     29.52     38.59
     1.34     46.58     48.77     80.27
```

```
    1.78     53.31     71.02     137.2
    2.23     60.03     96.26    210.36
    2.67     66.76     124.5    300.82
    3.56     80.21    189.96    538.07
    4.45     93.66     267.4    857.73
    5.35    107.11    356.83   1268.36
    7.13    159.15    594.02   2630.66
    8.91    211.18    923.94   4518.73
   10.69    263.22   1346.57   7005.82
   12.47    315.26   1861.91  10156.72
   14.25     367.3   2469.98  14032.26
   16.04    419.34   3170.77  18690.53
   17.82    471.38   3964.27  24187.41
 END FTABLE614

 FTABLE    620
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.76     48.57     34.72     59.51
    1.52     54.45     73.91    194.19
    2.28     60.32    117.57    785.97
    3.04      66.2     165.7   1308.38
     3.8     72.07     218.3    1956.8
    4.56     77.95    275.37   2734.38
    6.09      89.7    402.92   4694.01
    7.61    101.45    548.35   7225.04
    9.13     113.2    711.67  10368.15
   12.17     181.8   1160.57  20293.56
   15.22     250.4   1818.24  33775.47
   18.26    319.01   2684.69  51320.82
    21.3    387.61   3759.92  73372.85
   24.35    456.21   5043.92 100345.43
   27.39    524.81   6536.69 132632.45
   30.43    593.41   8238.25 170612.21
 END FTABLE620

 FTABLE    630
rows cols                          ***
  21    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.46      5.77       2.9     19.08
    0.92      7.64       6.2     62.45
    1.38      8.51      9.91    253.48
    1.83      9.39     14.01    423.14
    2.29     10.26     18.51    634.54
    2.75     11.13     23.41    888.95
    3.67     12.88     34.42   1533.13
    4.58     14.63     47.03   2369.48
     5.5     16.37     61.23   3412.54
    7.33     19.04      93.7   6664.19
    9.17     21.71    131.05  10842.28
    11.0     24.38     173.3  15949.76
   12.83     27.05    220.43  21997.67
```

```
   14.67     29.71    272.46  29002.52
    16.5     32.38    329.38  36984.21
   18.33     35.05    391.19   45964.8
   20.17     37.72     457.9  55967.78
    22.0     40.39    529.49  67017.54
   23.83     43.05    605.98  79139.09
   26.00     60.00    900.00 100000.00
 END FTABLE630

 FTABLE    635
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.78     12.15      8.88    107.97
    1.55     13.59     18.87    352.05
    2.33     15.02     29.98    711.87
    3.11     16.46      42.2   1184.03
    3.88      17.9     55.54   1769.38
    4.66     19.33     69.99   2470.55
    6.21     22.21    102.24   4234.88
    7.76     25.08    138.96   6509.79
    9.32     27.95    180.13   9330.78
   12.42     39.58    285.01  18126.96
   15.53     51.21     426.0  29701.88
   18.63     62.84    603.12  44265.62
   21.74     74.47    816.35  62013.58
   24.85      86.1    1065.7  83136.99
   27.95     97.73   1351.17 107823.78
   31.06    109.36   1672.76 136258.68
 END FTABLE635

 FTABLE    637
rows cols                          ***
  20    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    1.25     54.68     67.05    357.92
     2.5     56.74    136.69   1142.36
    3.75     58.81    208.92   2258.05
     5.0     60.88    283.72   3669.09
    6.25     62.95    361.12   5355.55
     7.5     65.02    441.09   7305.05
    10.0     69.15     608.8  11963.63
    12.5     73.29    786.85  17608.36
    15.0     77.42    975.24  24225.83
    20.0    191.63   1647.86  43219.56
    25.0    305.84   2891.53  70044.02
    30.0    420.04   4706.23 106862.78
    35.0    534.25   7091.96  155488.1
    40.0    648.46  10048.73 217557.05
    45.0    762.66  13576.53 294591.15
    50.0    876.87  17675.37 388026.54
    55.0    991.08  22345.24  499231.9
    60.0   1105.28  27586.15 629520.57
    65.0   1219.49  33398.09 780158.97
```

END FTABLE637

FTABLE 638
rows cols ***
18 4

| depth | area | volume | outflow *** |
|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 |
| 0.14 | 1.50 | 0.8 | 0.0 |
| 0.27 | 2.50 | 1.2 | 4.37 |
| 0.55 | 4.44 | 1.87 | 15.21 |
| 0.82 | 5.45 | 3.22 | 32.74 |
| 1.09 | 6.46 | 4.84 | 57.7 |
| 1.36 | 7.47 | 6.74 | 90.86 |
| 1.64 | 8.47 | 8.91 | 132.99 |
| 2.18 | 10.49 | 14.08 | 247.16 |
| 2.73 | 12.51 | 20.35 | 405.97 |
| 3.27 | 14.52 | 27.72 | 614.91 |
| 4.36 | 25.07 | 49.3 | 1338.58 |
| 5.45 | 35.61 | 82.37 | 2396.53 |
| 6.54 | 46.15 | 126.94 | 3856.31 |
| 7.63 | 56.69 | 183.0 | 5776.28 |
| 8.72 | 67.23 | 250.56 | 8210.24 |
| 9.81 | 77.78 | 329.6 | 11208.89 |
| 10.9 | 88.32 | 420.14 | 14820.49 |

END FTABLE638

FTABLE 639
rows cols ***
18 4

| depth | area | volume | outflow *** |
|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 |
| 0.15 | 0.80 | 0.30 | 0.0 |
| 0.29 | 1.24 | 0.55 | 3.74 |
| 0.57 | 2.87 | 1.28 | 12.96 |
| 0.86 | 3.51 | 2.19 | 27.81 |
| 1.14 | 4.14 | 3.29 | 48.85 |
| 1.43 | 4.78 | 4.56 | 76.71 |
| 1.72 | 5.41 | 6.02 | 112.02 |
| 2.29 | 6.68 | 9.48 | 207.42 |
| 2.86 | 7.95 | 13.67 | 339.75 |
| 3.43 | 9.22 | 18.58 | 513.48 |
| 4.58 | 20.19 | 35.41 | 1134.05 |
| 5.72 | 31.15 | 64.79 | 2118.94 |
| 6.87 | 42.12 | 106.72 | 3578.15 |
| 8.01 | 53.08 | 161.2 | 5604.62 |
| 9.16 | 64.04 | 228.22 | 8282.56 |
| 10.3 | 75.01 | 307.79 | 11690.37 |
| 11.44 | 85.97 | 399.91 | 15902.01 |

END FTABLE639

FTABLE 640
rows cols ***
17 4

| depth | area | volume | outflow *** |
|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 |
| 1.39 | 5.29 | 6.93 | 237.08 |

```
    2.78      5.87     14.67    770.19
    4.16      6.46     23.23   1551.99
    5.55      7.05      32.6   2572.98
    6.94      7.64     42.79   3833.25
    8.33      8.22     53.79   5337.04
    11.1       9.4     78.24    9101.6
   13.88     10.57    105.95  13928.37
   16.65     11.75    136.92  19886.16
    22.2     44.35    292.59  40623.87
   27.75     76.95    629.19  76922.39
    33.3    109.55   1146.72 135228.58
   38.85    142.15   1845.18 220906.48
    44.4    174.75   2724.58 338764.12
   49.95    207.35    3784.9 493240.78
    55.5    239.95   5026.16 688503.72
 END FTABLE640

 FTABLE    650
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
     0.8     39.62      29.7     85.59
    1.59     44.18     63.03    278.82
    2.39     48.74     99.98    563.25
    3.18      53.3    140.56    935.93
    3.98     57.85    184.76   1397.29
    4.77     62.41    232.59   1949.19
    6.36     71.53    339.12   3335.43
    7.95     80.64    460.15   5119.19
    9.54     89.76    595.67   7327.34
   12.73    123.17    934.37  14200.07
   15.91    156.58   1379.36   23263.9
   19.09    189.99   1930.64  34701.64
   22.27     223.4    2588.2  48681.12
   25.45     256.8   3352.05  65365.09
   28.63    290.21   4222.19  84912.55
   31.81    323.62   5198.62 107479.12
 END FTABLE650

 FTABLE    660
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
     0.8     59.36     44.95    112.76
    1.61     66.12     95.31    367.19
    2.41     72.87     151.1    741.48
    3.21     79.62    212.32   1231.62
    4.01     86.38    278.95   1838.06
    4.82     93.13    351.01   2563.14
    6.42    106.64    511.39   4383.09
    8.03    120.15    693.47   6723.05
    9.63    133.66    897.23   9617.82
   12.85    176.05   1394.51  18583.42
   16.06    218.44   2027.93  30265.79
```

```
   19.27    260.83   2797.48  44813.29
   22.48    303.22   3703.16  62370.51
   25.69    345.62   4744.97  83083.56
    28.9    388.01   5922.92 107099.13
   32.11     430.4    7237.0 134563.46
 END FTABLE660

 FTABLE    670
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.81      63.3     48.22     82.44
    1.61     70.46    102.21     268.4
    2.42     77.62    161.98    541.88
    3.23     84.77    227.53    899.88
    4.04     91.93    298.85   1342.68
    4.84     99.09    375.95   1871.95
    6.46     113.4    547.49   3199.86
    8.07    127.71    742.14    4906.4
    9.69    142.03    959.89   7016.72
   12.92    247.25   1588.41  13654.07
   16.15    352.48   2556.71  22728.64
   19.37    457.71    3864.8  34631.18
    22.6    562.93   5512.67  49700.15
   25.83    668.16   7500.34  68249.42
   29.06    773.38   9827.79  90576.21
   32.29    878.61  12495.02 116964.97
 END FTABLE670

 FTABLE    702
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      3.00      1.00       0.0
     0.3      5.00      2.54      5.58
    0.59     10.75      5.89      19.3
    0.89     15.52     10.07      41.3
    1.18     18.29     15.06      72.4
    1.48     21.06     20.87    113.49
    1.77     23.84      27.5    165.47
    2.36     29.38     43.22    305.65
    2.95     34.93     62.22    499.73
    3.54     40.47     84.49    754.17
    4.73     71.31    150.52   1638.12
    5.91    102.15    252.99    2951.6
    7.09    132.98    391.89   4792.52
    8.27    163.82    567.22   7244.84
    9.45    194.66    778.99  10385.46
   10.63    225.49   1027.18  14286.54
   11.81    256.33   1311.82   19016.6
 END FTABLE702

 FTABLE    703
rows cols                          ***
```

```
 18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.12      0.96      0.45       0.0
    0.26      1.50      0.65      4.13
    0.51      2.90      1.53     14.47
    0.77      4.77      2.64      31.3
    1.03      5.68      3.98     55.37
    1.29      6.58      5.56     87.47
    1.54      7.49      7.37    128.37
    2.06       9.3     11.69     239.6
    2.57      11.1     16.94    394.83
    3.09     12.91     23.12    599.53
    4.12     44.23     52.54   1405.27
    5.15     75.55     114.2   2953.51
    6.18    106.88    208.11   5564.46
    7.21     138.2    334.26   9504.92
    8.24    169.52    492.65  15014.15
    9.27    200.84    683.29  22313.06
   10.29    232.16    906.18  31608.98
 END FTABLE703

 FTABLE    704
rows cols                          ***
 21    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      3.00      1.50       0.0
    0.37      7.17      2.66      8.43
    0.74     11.09      6.03     28.63
    1.11     12.02     10.11     60.28
    1.48     13.95      14.9    104.18
    1.85     15.88     20.41    161.32
    2.21      17.8     26.62    232.73
    2.95     21.66     41.19    422.51
    3.69     25.52      58.6    681.57
    4.43     29.37     78.86   1017.67
    5.91     37.64    128.34   2135.72
    7.38     45.91    190.02   3651.15
    8.86     54.19    263.92   5596.41
   10.34     62.46    350.03   8002.13
   11.81     70.73    448.35  10898.35
   13.29      79.0    558.89  14314.56
   14.76     87.27    681.64   18279.7
   16.24     95.54     816.6  22822.16
   17.72    103.82    963.77  27969.78
   19.19    112.09   1123.16  33749.87
 END FTABLE704

 FTABLE    705
rows cols                          ***
 21    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      3.00      1.50       0.0
    0.37      7.09      4.26      8.43
```

```
    0.74     12.16      9.66    28.63
    1.11     19.25      16.2    60.28
    1.48     22.35     23.87   104.18
    1.85     25.44     32.69   161.32
    2.21     28.51     42.64   232.73
    2.95      34.7     65.98   422.51
    3.69     40.88     93.87   681.57
    4.43     47.05    126.32  1017.67
    5.91     60.29    205.59  2135.72
    7.38     73.54    304.39  3651.15
    8.86     86.81    422.77  5596.41
   10.34    100.05    560.71  8002.13
   11.81     113.3     718.2 10898.35
   13.29    126.55    895.28 14314.56
   14.76     139.8   1091.91  18279.7
   16.24    153.04    1308.1 22822.16
   17.72    166.31   1543.84 27969.78
   19.19    179.55   1799.17 33749.87
 END FTABLE705

 FTABLE    706
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.30       4.2      2.14       0.0
    0.63       5.5      4.14      23.2
    1.27     10.32      9.87     81.93
     1.9     12.85     17.21    178.66
    2.53     15.37     26.15    318.13
    3.17      17.9     36.68    505.28
     3.8     20.42     48.81    744.92
    5.07     25.47     77.88   1400.12
    6.33     30.52    113.34   2319.28
     7.6     35.57     155.2   3535.84
   10.13     45.11     257.4   7636.28
   12.67     54.65    383.76  13104.22
    15.2     64.18    534.27  19961.37
   17.73     73.72    708.94  28241.78
   20.27     83.25    907.78  37987.04
    22.8     92.79   1130.77  49243.01
   25.33    102.33   1377.92  62058.02
 END FTABLE706

 FTABLE    708
rows cols                          ***
  21    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.22       3.00      1.50       0.0
    0.46       8.59       4.8     18.07
    0.92     13.88     10.65     60.45
    1.38     16.17     17.55     125.5
    1.84     18.46     25.51    214.14
     2.3     20.76     34.52    327.81
    2.76     23.05     44.58    468.11
```

```
    3.68     27.63     67.86    835.26
    4.59     32.21     95.36   1328.84
    5.51      36.8    127.06   1961.76
    7.35     60.66    216.61   4073.49
    9.19     84.52    350.01   7063.39
   11.03    108.38    527.26  11088.39
   12.86    132.24    748.36  16284.58
    14.7     156.1   1013.32  22777.95
   16.54    179.96   1322.13  30687.52
   18.38    203.83   1674.79  40126.99
   20.22    227.69    2071.3  51205.67
   22.05    251.55   2511.66  64029.15
   23.89    275.41   2995.88   78699.8
 END FTABLE708

 FTABLE    712
rows cols                          ***
 22    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.25      7.00      4.50       0.0
    0.49     15.71      8.29      24.0
    0.98     22.21     18.29      80.0
    1.47     25.72      30.0    165.48
    1.96     29.22     43.43    281.39
    2.44     32.73     58.57     429.4
    2.93     36.23     75.42    611.44
    3.91     43.24    114.27   1085.69
    4.89     50.25    159.97   1720.32
    5.87     57.26    212.53   2531.23
    7.82     66.52    333.54   5149.54
    9.78     75.78    472.66   8555.34
   11.73     85.04    629.89  12748.43
   13.69      94.3    805.21  17736.91
   15.64    103.56    998.64  23534.08
    17.6    112.81   1210.17  30156.44
   19.55    122.07   1439.81  37622.48
   21.51    131.33   1687.55  45951.99
   23.46    140.59   1953.39  55165.61
   25.42    149.85   2237.33  65284.52
   28.00    200.00   5000.00 100000.00
 END FTABLE712

 FTABLE    714
rows cols                          ***
 18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.20      5.00      3.17       0.0
    0.39     10.84      7.17     16.64
    0.78     25.57     16.18      56.3
    1.16      30.3     27.02    118.14
    1.55     35.03      39.7    203.56
    1.94     39.76     54.22    314.36
    2.33     44.49     70.57    452.44
    3.11     53.95    108.79    818.12
```

| | | | |
|---|---|---|---|
| 3.88 | 63.42 | 154.35 | 1315.63 |
| 4.66 | 72.88 | 207.25 | 1959.42 |
| 6.21 | 134.1 | 367.94 | 4172.82 |
| 7.76 | 195.33 | 623.7 | 7481.95 |
| 9.32 | 256.56 | 974.52 | 12158.19 |
| 10.87 | 317.78 | 1420.41 | 18432.68 |
| 12.42 | 379.01 | 1961.36 | 26516.31 |
| 13.97 | 440.23 | 2597.38 | 36606.32 |
| 15.53 | 501.46 | 3328.47 | 48889.61 |

END FTABLE714

FTABLE 716

rows cols ***

17 4

| depth | area | volume | outflow *** |
|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 |
| 0.44 | 8.52 | 6.6 | 14.49 |
| 0.89 | 19.88 | 14.69 | 48.57 |
| 1.33 | 23.23 | 24.27 | 101.04 |
| 1.78 | 26.59 | 35.35 | 172.72 |
| 2.22 | 29.95 | 47.92 | 264.85 |
| 2.67 | 33.31 | 61.99 | 378.77 |
| 3.56 | 40.02 | 94.59 | 677.6 |
| 4.45 | 46.74 | 133.17 | 1080.29 |
| 5.34 | 53.45 | 177.72 | 1597.61 |
| 7.11 | 90.11 | 305.39 | 3342.06 |
| 8.89 | 126.76 | 498.25 | 5870.85 |
| 10.67 | 163.41 | 756.3 | 9351.12 |
| 12.45 | 200.07 | 1079.55 | 13926.23 |
| 14.23 | 236.72 | 1467.99 | 19727.8 |
| 16.01 | 273.38 | 1921.63 | 26879.45 |
| 17.79 | 310.03 | 2440.46 | 35498.72 |

END FTABLE716

FTABLE 718

rows cols ***

17 4

| depth | area | volume | outflow *** |
|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 |
| 0.47 | 17.0 | 10.62 | 14.39 |
| 0.94 | 29.84 | 23.52 | 48.06 |
| 1.41 | 34.68 | 38.7 | 99.65 |
| 1.88 | 39.53 | 56.16 | 169.8 |
| 2.35 | 44.37 | 75.9 | 259.61 |
| 2.82 | 49.21 | 97.91 | 370.32 |
| 3.76 | 58.9 | 148.78 | 659.53 |
| 4.71 | 68.58 | 208.76 | 1047.65 |
| 5.65 | 78.27 | 277.85 | 1544.67 |
| 7.53 | 125.29 | 469.41 | 3197.15 |
| 9.41 | 172.31 | 749.46 | 5523.76 |
| 11.29 | 219.34 | 1118.02 | 8639.67 |
| 13.17 | 266.36 | 1575.08 | 12645.06 |
| 15.06 | 313.38 | 2120.64 | 17632.84 |
| 16.94 | 360.4 | 2754.7 | 23690.97 |
| 18.82 | 407.43 | 3477.27 | 30903.57 |

END FTABLE718

```
 FTABLE    722
rows cols                          ***
  17    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.49     10.17       5.8     20.43
     0.97     15.65     12.81     68.12
     1.46     18.13     21.03    140.96
     1.95     20.61     30.45    239.76
     2.43     23.09     41.07    365.96
     2.92     25.57      52.9    521.23
     3.89     30.52     80.18    925.87
     4.86     35.48    112.29   1467.57
     5.84     40.44    149.21   2159.94
     7.78     67.93    254.62   4460.67
     9.73     95.41     413.5   7714.47
    11.67     122.9    625.85  12093.23
    13.62    150.38    891.67  17745.84
    15.56    177.86   1210.96  24810.02
    17.51    205.35   1583.71  33415.82
    19.45    232.83   2009.94  43687.43
 END FTABLE722

 FTABLE    723
rows cols                          ***
  18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.17      3.00      1.80       0.0
     0.35      7.33      4.95      7.02
     0.69     14.39      11.3     23.96
     1.04     24.44     19.05     50.67
     1.38     28.49      28.2     87.93
     1.73     32.54     38.76    136.65
     2.08     36.59     50.71    197.75
     2.77      44.7     78.82    360.84
     3.46      52.8    112.54    584.42
     4.15      60.9    151.87    875.43
     5.53     89.14    255.65   1857.85
     6.92    117.37    398.49   3234.51
      8.3    145.61     580.4   5062.35
     9.68    173.84    801.36   7391.75
    11.07    202.08   1061.39  10270.02
    12.45    230.31   1360.48  13742.26
    13.83    258.55   1698.62  17851.81
 END FTABLE723

 FTABLE    724
rows cols                          ***
  18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.25      8.00      4.50       0.0
     0.57     19.34      10.2     36.53
     1.15     22.47     22.19    120.73
```

```
    1.72      25.6     35.99    247.55
     2.3     28.73     51.57    417.44
    2.87     31.86     68.96    632.09
    3.44     34.99     88.14    893.66
    4.59     41.25    131.88   1567.04
    5.74     47.51    182.81    2457.1
    6.89     53.77    240.93   3583.41
    9.18     93.13    409.51   7286.85
   11.48    132.49    668.43  12542.15
   13.77    171.85   1017.67  19654.48
   16.07     211.2   1457.25  28886.19
   18.36    250.56   1987.17  40478.69
   20.66    289.92   2607.41  54659.18
   22.95    329.28   3317.99  71644.06
 END FTABLE724

 FTABLE    725
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      3.00      1.50       0.0
    0.35      6.34      3.17      7.29
     0.7     11.89      7.23     24.85
    1.05     15.44     12.18     52.52
     1.4     17.98     18.01     91.08
    1.75     20.53     24.74    141.45
     2.1     23.07     32.36    204.61
     2.8     28.17     50.26    373.05
    3.49     33.26     71.73    603.83
    4.19     38.35     96.75    904.05
    5.59     74.92     175.9   1955.77
    6.99    111.49    306.16   3582.36
    8.39    148.06    487.53    5946.2
    9.78    184.63    720.01   9184.81
   11.18    221.19    1003.6  13423.04
   12.58    257.76   1338.29  18777.26
   13.98    294.33    1724.1  25357.46
 END FTABLE725

 FTABLE    726
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.62     42.87     27.62     45.81
    1.25     55.02      59.7    150.76
    1.87     62.16     96.23    307.84
    2.49     69.31    137.21    517.01
    3.12     76.45    182.65    779.87
    3.74      83.6    232.55   1098.66
    4.99     97.89    345.71   1914.23
    6.24    112.18    476.68    2985.1
    7.48    126.47    625.48   4333.01
    9.98    200.37   1033.06   8707.53
   12.47    274.28   1624.96  14804.67
```

```
   14.96    348.18   2401.18  22922.71
   17.46    422.09   3361.73  33319.83
   19.95    495.99    4506.6  46234.95
   22.45     569.9    5835.8   61893.9
   24.94     643.8   7349.32  80512.47
 END FTABLE726

 FTABLE    728
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      3.00      1.50       0.0
    0.36      8.72      4.62      8.15
    0.71     14.29      10.5     27.73
    1.07     21.86     17.66     58.54
    1.43     25.43      26.1    101.38
    1.78     28.99      35.8    157.28
    2.14     32.56     46.78    227.28
    2.85      39.7     72.55    413.72
    3.57     46.84    103.42    668.82
    4.28     53.97    139.38   1000.33
    5.71     91.15     242.9   2138.62
    7.13    128.33    399.47   3815.83
    8.56    165.51    609.08   6153.07
    9.99    202.68    871.73   9254.14
   11.41    239.86   1187.43  13214.14
   12.84    277.04   1556.18  18122.29
   14.27    314.22   1977.96  24063.34
 END FTABLE728

 FTABLE    732
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.22      3.00      1.50       0.0
    0.44      6.56      2.99      7.36
    0.88     10.16      7.56     27.37
    1.33     15.76     13.73     62.17
    1.77     19.36     21.48    114.31
    2.21     22.95     30.82    186.23
    2.65     26.55     41.76    280.27
    3.53     33.75     68.39    543.48
    4.42     40.94    101.38    920.71
     5.3     48.14    140.72   1427.59
    7.07    114.95    284.79   3301.73
    8.83    181.76    546.88   6380.37
    10.6    248.57    926.99  11046.28
   12.37    315.37   1425.14   17622.7
   14.13    382.18   2041.31  26402.35
    15.9    448.99   2775.52  37657.36
   17.67     515.8   3627.75  51644.45
 END FTABLE732

 FTABLE    736
```

```
rows cols                          ***
  17    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.65      47.1     28.44     45.37
      1.3     53.84     61.26    149.05
     1.95     60.58     98.47    303.74
      2.6     67.32    140.06    509.31
     3.25     74.05    186.03    766.51
      3.9     80.79    236.38   1077.92
      5.2     94.27    350.22    1872.1
      6.5    107.75     481.6    2911.3
      7.8    121.22    630.51   4215.75
    10.41    198.81   1046.76   8422.98
    13.01    276.41   1664.87  14243.39
    15.61     354.0   2484.81  21940.49
    18.21    431.59   3506.59  31743.11
    20.81    509.18   4730.22  43863.59
    23.41    586.77   6155.68  58503.06
    26.01    664.37   7782.99  75853.97
  END FTABLE736

  FTABLE    738
rows cols                          ***
  18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.20      4.00      2.50       0.0
     0.35      8.18      4.67      7.79
      0.7     16.91     10.66     26.54
     1.05     22.63     17.95     56.08
      1.4     26.36     26.54     97.22
     1.75     30.08     36.44    150.96
     2.11      33.8     47.66    218.32
     2.81     41.25      74.0    397.91
     3.51      48.7    105.57    643.89
     4.21     56.15    142.37    963.81
     5.62     98.66    251.04   2066.98
     7.02    141.18    419.39   3707.12
     8.42    183.69    647.42   6010.99
     9.83     226.2    935.13   9086.89
    11.23    268.71   1282.52  13033.85
    12.63    311.23   1689.59  17944.66
    14.04    353.74   2156.35  23907.35
  END FTABLE738

  FTABLE    742
rows cols                          ***
  17    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.44     16.24     10.29     12.13
     0.87     25.66     22.95     40.71
     1.31     37.07     37.97     84.77
     1.75     42.48     55.36    145.05
     2.19     47.89     75.11     222.6
```

```
    2.62      53.3     97.23     318.6
     3.5     64.12    148.56    570.73
    4.37     74.94    209.36    910.89
    5.25     85.76    279.62   1348.29
    6.99    134.12    471.88   2811.67
    8.74    182.48     748.7   4881.95
   10.49    230.83   1110.08   7664.98
   12.24    279.19   1556.03  11252.75
   13.99    327.54   2086.54  15730.55
   15.74     375.9   2701.61  21179.05
   17.49    424.26   3401.25  27675.36
 END FTABLE742

 FTABLE    746
rows cols                          ***
  20    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.34     40.15     19.46      8.29
    0.68     66.53      41.1     53.89
    1.03     72.91     64.92    108.61
    1.37     79.29     90.92    180.04
    1.71     85.67     119.1    268.15
    2.05     92.05    149.46    373.17
    2.73    104.82    216.73    635.69
    3.42    117.58    292.71    971.62
     4.1    130.34    377.42   1385.51
    5.47    192.09    597.75   2667.49
    6.83    253.84    902.46   4374.68
     8.2    315.58   1291.57   6554.99
    9.57    377.33   1765.06   9251.01
   10.93    439.08   2322.93  12503.02
    12.3    500.82    2965.2  16349.76
   13.67    562.57   3691.85  20828.72
   15.03    624.32   4502.89  25976.28
    16.4    686.07   5398.32  31827.89
   17.77    747.81   6378.14  38418.15
 END FTABLE746

 FTABLE    748
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.69     33.63     21.77     66.87
    1.39     38.13     46.66    219.02
    2.08     42.62     74.68     445.0
    2.78     47.12    105.81     743.7
    3.47     51.62    140.07   1116.56
    4.16     56.12    177.44   1565.99
    5.55     65.11    261.55   2706.57
    6.94     74.11    358.14   4191.12
    8.33      83.1    467.22   6046.49
    11.1    269.76    956.87  12331.78
   13.88    456.41   1964.55   22360.3
```

```
   16.65    643.07   3490.26  37415.21
   19.43    829.72   5534.01  58570.82
    22.2   1016.38   8095.79  86795.02
   24.98   1203.03    11175.6 122984.89
   27.75   1389.69  14773.44 167984.99
 END FTABLE748

 FTABLE    751
rows cols                          ***
  20    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.69     33.63     21.77     66.87
    1.39     38.13     46.66    219.02
    2.08     42.62     74.68     445.0
    2.78     47.12    105.81     743.7
    3.47     51.62    140.07   1116.56
    4.16     56.12    177.44   1565.99
    5.55     65.11    261.55   2706.57
    6.94     74.11    358.14   4191.12
    8.33      83.1    467.22   6046.49
    11.1    269.76    956.87  12331.78
   13.88    456.41   1964.55   22360.3
   16.65    643.07   3490.26  37415.21
   19.43    829.72   5534.01  58570.82
    22.2   1016.38   8095.79  86795.02
   24.98   1203.03    11175.6 122984.89
   27.75   1389.69  14773.44 167984.99
   30.53   1576.34  18889.31 222598.48
    33.3    1763.0  23523.22 287594.52
   36.08   1949.65  28675.16 363713.61
 END FTABLE751

 FTABLE    752
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
     0.7     16.65     10.81      78.6
    1.39     18.87     23.17    257.43
    2.09     21.09     37.07    522.98
    2.78     23.31     52.51    873.92
    3.48     25.53      69.5    1311.9
    4.18     27.75     88.04   1839.75
    5.57     32.18    129.74   3179.03
    6.96     36.62    177.62    4921.8
    8.35     41.06    231.68   7099.44
   11.13     61.18    373.97  13988.36
   13.92     81.31    572.27  23154.14
    16.7    101.43    826.58  34802.86
   19.48    121.55   1136.89  49122.85
   22.27    141.67   1503.21  66295.83
   25.05    161.79   1925.53  86498.65
   27.83    181.91   2403.86 109903.93
 END FTABLE752
```

```
 FTABLE    800
rows cols                          ***
  17    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     1.15    149.49    164.17    273.81
      2.3    162.95    343.83    885.96
     3.45    176.41    538.96   1776.86
      4.6    189.87    749.58   2930.88
     5.75    203.34    975.67   4343.74
      6.9     216.8   1217.25   6016.26
      9.2    243.72   1746.84  10155.88
     11.5    270.64   2338.35  15393.42
     13.8    297.56   2991.79  21783.63
     18.4    362.74    4510.5  40993.35
     23.0    427.92   6329.04   65445.9
     27.6    493.11   8447.41  95208.04
     32.2    558.29  10865.61 130377.46
     36.8    623.47  13583.64 171075.66
     41.4    688.65   16601.5  217439.3
     46.0    753.83  19919.19 269614.69
 END FTABLE800

 FTABLE    802
rows cols                          ***
  18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.15      3.00      1.50       0.0
     0.35      7.87      4.62     10.06
     0.71     17.49     10.52     34.25
     1.06     22.12     17.71     72.34
     1.42     25.74     26.17    125.35
     1.77     29.37     35.92    194.54
     2.12     32.99     46.96    281.23
     2.83     40.24     72.87    512.25
     3.54     47.49    103.92     828.5
     4.25     54.74    140.09   1239.64
     5.66    118.07    262.39   2691.11
     7.08     181.4    474.33   4981.68
     8.49    244.73    775.89   8366.15
     9.91    308.06   1167.09  13059.56
    11.32    371.38   1647.92  19256.65
    12.74    434.71   2218.39  27138.58
    14.15    498.04   2878.49  36876.34
 END FTABLE802

 FTABLE    804
rows cols                          ***
  18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.15      2.00      0.90       0.0
     0.31      4.56      2.01      5.46
     0.62       9.6      4.65     18.79
     0.92     11.64      7.93     40.09
```

```
    1.23     13.69     11.82     70.09
    1.54     15.73     16.35    109.63
    1.85     17.77     21.51    159.53
    2.46     21.85      33.7    293.75
    3.08     25.94     48.41     479.1
    3.69     30.02     65.64    721.67
    4.92     57.39    119.45    1579.6
    6.16     84.77    206.97   2919.02
    7.39    112.14     328.2   4878.49
    8.62    139.52    483.13   7575.29
    9.85    166.89    671.76   11115.9
   11.08    194.27     894.1   15599.5
   12.31    221.64   1150.14  21119.81
 END FTABLE804

 FTABLE    805
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      3.00      1.50       0.0
    0.36      6.49      3.92      7.58
    0.71     12.51      8.93     25.79
    1.07     18.53     15.01     54.43
    1.43     21.56     22.18     94.26
    1.79     24.58     30.42    146.22
    2.14      27.6     39.75    211.28
    2.86     33.64     61.64    384.53
    3.57     39.69     87.85    621.54
    4.29     45.73    118.38    929.52
    5.72    115.84    233.88   2050.87
    7.15    185.94    449.62   3951.14
    8.58    256.05    765.58   6913.97
   10.01    326.15   1181.78  11176.93
   11.44    396.26   1698.21  16953.98
   12.87    466.36   2314.88  24443.31
    14.3    536.47   3031.77  33831.37
 END FTABLE805

 FTABLE    806
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      3.00      1.50       0.0
    0.29      6.16      2.55      4.61
    0.58      9.01      5.94     15.96
    0.88     15.85     10.16     34.18
    1.17      18.7     15.21     59.96
    1.46     21.54     21.09     94.05
    1.75     24.39     27.81     137.2
    2.34     30.08     43.73    253.63
    2.92     35.77     62.98    414.93
    3.51     41.46     85.55    626.49
    4.68    117.36    178.41   1414.82
    5.85    193.26    360.03   2791.18
```

```
    7.02    269.17    630.41   4978.71
    8.19    345.07    989.54   8164.15
    9.35    420.97   1437.44  12515.47
   10.52    496.88   1974.09  18188.19
   11.69    572.78    2599.5  25328.52
 END FTABLE806

 FTABLE    807
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      2.00      1.20       0.0
    0.29      3.18      1.77      4.43
    0.57      7.21      4.12     15.36
    0.86     11.25      7.05     32.95
    1.15     13.29     10.57     57.88
    1.43     15.32     14.67     90.88
    1.72     17.36     19.35     132.7
    2.29     21.43     30.47    245.67
    2.87     25.51     43.93    402.36
    3.44     29.58     59.73    608.06
    4.59     83.57     124.6   1389.71
    5.73    137.55    251.38   2807.03
    6.88    191.53    440.07   5115.89
    8.03    245.52    690.65   8529.94
    9.17     299.5   1003.15  13241.14
   10.32    353.48   1377.55  19426.91
   11.47    407.47   1813.85  27253.95
 END FTABLE807

 FTABLE    808
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.15      0.50      0.30       0.0
    0.34      1.48      0.75      5.52
    0.69       2.2      1.71     18.85
    1.03      3.72      2.89     39.88
    1.38      4.33      4.28     69.21
    1.72      4.95      5.88    107.58
    2.07      5.57      7.69     155.7
    2.76       6.8     11.96    284.19
    3.45      8.04     17.07    460.37
    4.14      9.27     23.04    689.71
    5.52     13.87      39.0    1467.8
    6.89     18.47      61.3   2572.85
    8.27     23.07     89.94   4059.64
    9.65     27.67    124.92   5976.07
   11.03     32.26    166.24   8366.68
   12.41     36.86     213.9   11273.7
   13.79     41.46     267.9  14737.57
 END FTABLE808

 FTABLE    809
```

```
rows cols                          ***
  17    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.35      1.00      0.53      6.13
      0.7      1.94       1.2     20.91
     1.05      2.56      2.02     44.19
      1.4      2.99      2.99     76.64
     1.75      3.41      4.11    119.03
      2.1      3.83      5.37    172.18
     2.79      4.68      8.34    313.93
     3.49      5.52     11.91    508.14
     4.19      6.37     16.06    760.79
     5.59     22.47     36.21   1744.15
     6.99     38.58     78.87   3638.85
     8.38     54.69    144.03   6844.38
     9.78      70.8     231.7  11693.26
    11.18      86.9    341.87  18483.49
    12.58    103.01    474.55  27490.07
    13.97    119.12    629.73  38971.05
 END FTABLE809

 FTABLE    810
rows cols                          ***
  17    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.85     38.34     30.66    129.79
     1.69     42.44      64.8    421.89
     2.54     46.55     102.4    850.25
     3.38     50.66    143.47   1409.47
     4.23     54.76    188.01   2099.31
     5.07     58.87    236.02   2921.84
     6.76     67.08    342.46   4978.43
     8.45     75.29    462.77   7611.16
    10.14      83.5    596.96  10856.06
    13.52    119.46    939.98  20869.96
     16.9    155.41   1404.55  34002.24
    20.28    191.37   1990.65   50491.3
    23.66    227.32   2698.28  70557.82
    27.04    263.28   3527.45  94417.17
    30.42    299.23   4478.16 122280.79
     33.8    335.19    5550.4 154356.34
 END FTABLE810

 FTABLE    820
rows cols                          ***
  20    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.85     38.06     30.67     78.22
      1.7      42.1     64.77    254.19
     2.55     46.15    102.32    512.15
      3.4     50.19    143.31    848.77
     4.25     54.23    187.73   1263.85
     5.11     58.27     235.6   1758.59
```

```
    6.81     66.36    341.65   2994.96
    8.51     74.44    461.46   4576.76
   10.21     82.53    595.03   6525.39
   13.61    107.56    918.53  12506.34
   17.02     132.6   1327.24  20237.32
   20.42    157.63   1821.17  29788.34
   23.83    182.67    2400.3   41231.5
   27.23     207.7   3064.64  54642.37
   30.63    232.74    3814.2  70098.49
   34.04    257.77   4648.96  87678.37
   37.44    282.81   5568.93  107460.8
   40.84    307.84   6574.11 129524.42
   44.25    332.88   7664.51 153947.48
 END FTABLE820

 FTABLE    830
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.85     47.22     38.22    145.75
    1.71      52.2     80.71    473.56
    2.56     57.19    127.45     954.0
    3.42     62.18    178.46   1580.77
    4.27     67.17    233.74   2353.45
    5.13     72.16    293.27   3274.19
    6.84     82.13    425.14   5574.38
    8.55     92.11    574.06   8516.14
   10.26    102.09    740.03  12138.95
   13.67    153.19   1176.37  23365.12
   17.09    204.29    1787.4  38331.42
   20.51    255.39   2573.13  57469.69
   23.93    306.49   3533.56  81162.82
   27.35     357.6   4668.68  109772.6
   30.77     408.7   5978.49 143646.34
   34.19     459.8    7463.0 183119.83
 END FTABLE830

 FTABLE    840
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.86     67.83     55.14    104.86
    1.72     74.96     116.4    340.67
    2.57      82.1    183.77    686.18
    3.43     89.23    257.27   1136.82
    4.29     96.36    336.89   1692.26
    5.15    103.49    422.62   2353.98
    6.86    117.76    612.45   4006.63
    8.58    132.03    826.76   6119.52
    10.3    146.29   1065.55   8720.84
   13.73    202.79   1664.56  16736.48
   17.16    259.29   2457.47  27255.53
   20.59    315.79   3444.28  40477.84
   24.02    372.29   4624.99  56587.28
```

```
   27.46    428.79    5999.6  75762.62
   30.89    485.29   7568.11  98178.85
   34.32    541.79   9330.52 124007.53
 END FTABLE840

 FTABLE    850
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.86     51.45     41.94    139.31
    1.72     56.85     88.53    452.54
    2.58     62.24    139.75    911.43
    3.44     67.63    195.61   1509.86
     4.3     73.03    256.11   2247.33
    5.16     78.42    321.25   3125.81
    6.88     89.21    465.45   5319.35
     8.6     99.99    628.21   8123.14
   10.32    110.78    809.52   11574.4
   13.76    196.41   1338.04  22366.91
    17.2    282.04    2161.2  37180.87
   20.65    367.67   3279.03  56713.24
   24.09     453.3    4691.5  81564.22
   27.53    538.93   6398.63 112287.88
   30.97    624.57   8400.42 149407.28
   34.41     710.2  10696.85 193421.86
 END FTABLE850

 FTABLE    860
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.86     87.58     71.61    214.26
    1.73     96.73    151.11    695.93
    2.59    105.88     238.5   1401.48
    3.45    115.03    333.78   2321.42
    4.31    124.18    436.96   3454.93
    5.18    133.33    548.03   4804.96
     6.9    151.63    793.85   8175.27
    8.63    169.93   1071.24   12482.2
   10.35    188.23   1380.19  17782.63
    13.8    292.94   2210.33  34220.09
   17.25    397.65   3401.77  56256.06
    20.7    502.36   4954.52  84608.34
   24.15    607.07   6868.58 119907.74
    27.6    711.78   9143.94 162746.27
   31.05    816.49  11780.61 213689.54
   34.51     921.2  14778.58 273282.41
 END FTABLE860

 FTABLE    870
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
```

```
     1.0    149.45    141.65     98.06
     2.0    165.07     298.9    637.02
     3.0    180.68    471.78   1282.89
     4.0     196.3    660.27   2125.06
     5.0    211.91    864.37   3162.79
     6.0    227.52   1084.09   4398.78
     8.0    258.75   1570.36   7484.53
    10.0    289.98    2119.1  11427.97
    12.0    321.21   2730.29  16281.21
    16.0    492.52   4357.76  31301.16
    20.0    663.84   6670.48  51316.07
    24.0    835.15   9668.45  76902.55
    28.0   1006.46  13351.67 108571.68
    32.0   1177.77  17720.14 146806.36
    36.0   1349.09  22773.85 192070.14
    40.0    1520.4  28512.82 244811.17
 END FTABLE870

 FTABLE    880
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.87     62.65     51.69    126.07
    1.74     69.13    109.01    409.37
    2.61     75.61    171.97    824.13
    3.48     82.09    240.56   1364.66
    4.35     88.57    314.79   2030.36
    5.22     95.04    394.66   2822.86
    6.96     108.0    571.29   4800.08
     8.7    120.95    770.47   7324.95
   10.44    133.91    992.19  10430.31
   13.92    609.93    2286.4  21064.14
    17.4   1085.96   5237.08  39382.65
   20.88   1561.98   9844.22  68518.14
   24.36    2038.0  16107.82 111077.34
   27.84   2514.03   24027.9 169397.39
   31.32   2990.05  33604.43 245636.68
    34.8   3466.07  44837.44 341821.72
 END FTABLE880

 FTABLE    890
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.87     44.07     36.54    160.74
    1.75      48.6     77.04    521.87
    2.62     53.12     121.5   1050.43
     3.5     57.65    169.92   1739.07
    4.37     62.18     222.3   2586.94
    5.25     66.71    278.64   3596.05
    6.99     75.77    403.19   6112.79
    8.74     84.83    543.58   9325.29
   10.49     93.88     699.8  13274.98
   13.99    108.41   1053.48  25270.79
```

```
   17.48    122.93   1457.95  40414.76
   20.98    137.46    1913.2  58621.35
   24.48    151.98   2419.24   79848.5
   27.97     166.5   2976.06 104081.53
   31.47    181.03   3583.67 131323.37
   34.97    195.55   4242.07 161588.83
 END FTABLE890

 FTABLE    900
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.20     10.00      7.50       0.0
    0.98    127.24    119.37    219.56
    1.96    138.51     249.8    710.15
    2.94    149.77    391.29   1423.66
    3.93    161.04    543.84   2347.26
    4.91    172.31    707.45   3477.27
    5.89    183.57    882.12   4814.08
    7.85    206.11   1264.64   8119.75
    9.82    228.64    1691.4  12297.63
   11.78    251.17   2162.39  17390.13
   15.71    399.92   3440.65  32885.27
   19.63    548.68   5302.99  53472.47
   23.56    697.43   7749.41  79777.91
   27.49    846.18   10779.9 112351.78
   31.41    994.93  14394.48 151710.97
   35.34   1143.69  18593.13 198349.86
   39.27   1292.44  23375.85 252745.17
 END FTABLE900

 FTABLE    901
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.16      0.95      0.53       0.0
    0.26      1.70      0.83      3.12
    0.53      4.79      1.94     10.91
    0.79       5.9      3.35     23.55
    1.06      7.01      5.06     41.59
    1.32      8.11      7.05     65.61
    1.58      9.22      9.34     96.17
    2.11     11.43     14.78    179.17
    2.64     13.64      21.4    294.85
    3.17     15.86     29.18    447.24
    4.22     24.36      50.4     974.6
    5.28     32.87     80.59   1741.26
    6.33     41.37    119.76   2793.27
    7.39     49.88     167.9   4170.55
    8.44     58.38    225.01   5910.02
     9.5     66.89     291.1   8046.51
   10.55     75.39    366.16  10613.23
 END FTABLE901
```

```
 FTABLE    902
rows cols                          ***
  18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.16      3.00      1.70       0.0
     0.34      5.92      2.35      6.43
     0.68      9.91      5.37     21.97
     1.02      11.9      9.06     46.54
     1.36     13.89     13.44     80.86
      1.7     15.89     18.49    125.79
     2.03     17.88     24.21    182.22
     2.71     21.86     37.68    333.01
     3.39     25.85     53.86     540.0
     4.07     29.84     72.74    809.67
     5.42     50.42    127.16   1735.13
     6.78     71.01     209.5   3088.17
     8.14      91.6    319.77   4959.24
     9.49    112.18    457.95   7426.17
    10.85    132.77    624.04  10560.48
    12.21    153.36    818.06  14429.41
    13.56    173.95    1040.0  19096.93
 END FTABLE902

 FTABLE    904
rows cols                          ***
  20    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.41      7.53       3.8     10.61
     0.81     12.84      8.53     35.78
     1.22     15.15      14.2     74.88
     1.62     17.46      20.8    128.69
     2.03     19.77     28.34    198.29
     2.43     22.08     36.82    284.82
     3.24      26.7     56.58     513.3
     4.05     31.32     80.08    823.22
     4.86     35.94    107.32   1223.38
     6.48     54.82    180.85   2569.11
      8.1     73.69    284.96   4477.32
     9.72     92.57    419.65    7045.7
    11.34    111.44    584.93  10359.28
    12.96    130.32    780.79  14496.95
    14.58    149.19   1007.23  19533.34
     16.2    168.07   1264.25   25539.8
    17.82    186.94   1551.86  32584.98
    19.44    205.82   1870.05  40735.22
    21.06    224.69   2218.83  50054.86
 END FTABLE904

 FTABLE    906
rows cols                          ***
  17    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.47     10.79      6.66     20.14
```

```
    0.94     18.86     14.76     67.33
     1.4     21.94      24.3    139.64
    1.87     25.01     35.27    238.03
    2.34     28.09     47.68    364.05
    2.81     31.16     61.53    519.44
    3.74     37.31     93.55    925.58
    4.68     43.46    131.31   1470.86
    5.61     49.61    174.82    2169.4
    7.48    100.69    315.36   4551.53
    9.35    151.76    551.41    8136.9
   11.22    202.84    882.98  13244.05
   13.09    253.91   1310.07  20143.06
   14.96    304.99   1832.68  29079.56
   16.83    356.06    2450.8  40282.78
    18.7    407.14   3164.44   53969.6
 END FTABLE906

 FTABLE    908
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.49     12.33       8.2     21.69
    0.99     21.74     18.09     72.28
    1.48     25.14     29.65    149.43
    1.97     28.55      42.9    253.97
    2.47     31.95     57.83    387.38
    2.96     35.36     74.44    551.37
    3.95     42.17     112.7     978.3
    4.93     48.99    157.68   1549.21
    5.92      55.8    209.38    2278.3
     7.9     90.39    353.65    4696.3
    9.87    124.98     566.2   8106.29
   11.84    159.57    847.01  12683.48
   13.82    194.16   1196.09  18579.83
   15.79    228.75   1613.44   25936.0
   17.76    263.33   2099.07  34884.97
   19.74    297.92   2652.96  45553.75
 END FTABLE908

 FTABLE    912
rows cols                          ***
  17    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.66     10.39      7.61     20.78
    1.32     17.05     17.61     71.67
    1.97      20.7     30.02    306.21
    2.63     24.35     44.84    535.95
    3.29     28.01     62.05    839.02
    3.95     31.66     81.66   1221.94
    5.26     38.97     128.1   2252.79
    6.58     46.27    184.14   3677.85
    7.89     53.58     249.8   5544.03
   10.52    150.76     518.5  12288.46
   13.15    247.94    1042.8  23352.74
```

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   15.78    345.13   1822.68  40178.97
   18.41    442.31   2858.16  63979.85
   21.04    539.49   4149.22  95850.67
   23.67    636.67   5695.88 136808.06
    26.3    733.86   7498.12 187810.02
 END FTABLE912

 FTABLE    914
rows cols                          ***
  20    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.52      8.47      5.47     10.94
    1.05     13.49      12.0     36.33
    1.57     15.51     19.59     74.85
    2.09     17.53     28.23    126.82
    2.62     19.55     37.94    192.88
    3.14     21.58      48.7    273.81
    4.19     25.62      73.4    483.58
    5.23     29.66    102.33    762.85
    6.28     33.71    135.49   1118.26
    8.37     38.88    211.46   2257.71
   10.47     44.06    298.27   3728.63
   12.56     49.24    395.91   5525.64
   14.65     54.41    504.39   7647.82
   16.75     59.59     623.7  10096.95
   18.84     64.76    753.85  12876.51
   20.93     69.94    894.83  15991.05
   23.02     75.12   1046.64   19445.9
   25.12     80.29   1209.29  23246.86
   27.21     85.47   1382.78  27400.12
 END FTABLE914

 FTABLE    916
rows cols                          ***
  18    4
   depth      area    volume  outflow ***
     0.0       0.0       0.0       0.0
    0.20      6.00      3.50       0.0
     0.4     20.31     10.75     13.84
     0.8     37.04     24.19     46.72
     1.2     43.78     40.32     97.87
     1.6     50.51     59.13    168.36
     2.0     57.24     80.63    259.62
    2.39     63.97    104.82    373.17
    3.19     77.44    161.25    673.31
    3.99      90.9    228.43   1080.87
    4.79    104.36    306.35   1607.51
    6.39    166.73    522.72   3386.11
    7.98    229.09    838.63   5932.01
    9.58    291.45    1254.1   9389.54
   11.17    353.82   1769.12  13883.62
   12.77    416.18   2383.68  19529.65
   14.37    478.55    3097.8  26436.53
   15.96    540.91   3911.46  34708.13
 END FTABLE916
```

```
 FTABLE    922
rows cols                          ***
  18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.15      4.00      1.90       0.0
     0.37     12.84       7.2     10.94
     0.75     24.95      16.3     37.12
     1.12     32.07     27.32     78.11
     1.49     37.18     40.24    134.91
     1.87     42.29     55.07    208.78
     2.24      47.4      71.8    301.05
     2.99     57.63     111.0    546.06
     3.73     67.85    157.83    880.28
     4.48     78.08     212.3   1313.65
     5.97     97.29     343.2   2745.69
     7.46    116.51    502.78   4651.62
     8.96    135.72    691.05   7050.17
    10.45    154.94     908.0   9961.72
    11.94    174.15   1153.64  13407.99
    13.44    193.37   1427.96   17411.4
    14.93    212.58   1730.97  21994.65
 END FTABLE922

 FTABLE    936
rows cols                          ***
  18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.15      3.00      1.50       0.0
     0.32      6.41      3.44      8.07
     0.64     12.68      7.92     27.71
     0.96     18.94     13.44     58.95
     1.28     22.21      20.0    102.82
     1.59     25.48     27.61     160.5
     1.91     28.74     36.25    233.16
     2.55     35.28     56.68    428.14
     3.19     41.81     81.26    696.82
     3.83     48.34    110.02   1047.86
      5.1     60.83    179.67   2220.82
     6.38     73.31    265.24   3799.21
     7.66     85.79    366.73    5805.7
     8.93     98.27    484.15   8263.23
    10.21    110.76     617.5  11195.26
    11.48    123.24    766.78  14625.38
    12.76    135.72    931.98  18577.14
 END FTABLE936

 FTABLE    924
rows cols                          ***
  18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.15      3.00      1.50       0.0
     0.32      6.41      3.44      8.07
```

```
     0.64     12.68      7.92     27.71
     0.96     18.94     13.44     58.95
     1.28     22.21      20.0    102.82
     1.59     25.48     27.61     160.5
     1.91     28.74     36.25    233.16
     2.55     35.28     56.68    428.14
     3.19     41.81     81.26    696.82
     3.83     48.34    110.02   1047.86
      5.1     60.83    179.67   2220.82
     6.38     73.31    265.24   3799.21
     7.66     85.79    366.73    5805.7
     8.93     98.27    484.15   8263.23
    10.21    110.76     617.5  11195.26
    11.48    123.24    766.78  14625.38
    12.76    135.72    931.98  18577.14
  END FTABLE924


  FTABLE    938
 rows cols                          ***
   18    4
    depth      area    volume  outflow ***
      0.0       0.0       0.0       0.0
     0.12      1.50      0.80       0.0
     0.24      2.50      1.10      3.56
     0.48      5.34      1.95     12.52
     0.72      6.63      3.39     27.24
     0.96      7.93      5.14     48.42
      1.2      9.22      7.21     76.78
     1.44     10.51      9.58    113.04
     1.93     13.09     15.26    212.03
     2.41     15.67     22.18     350.7
     2.89     18.26     30.35    534.05
     3.85     29.43      53.3    1171.7
     4.81     40.61     87.01   2102.96
     5.78     51.78    131.48   3385.24
     6.74     62.96    186.71   5068.37
      7.7     74.13    252.69   7198.32
     8.66     85.31    329.44    9818.5
     9.63     96.48    416.94  12970.25
  END FTABLE938

END FTABLES

COPY
  TIMESERIES
  Copy-opn***
*** x -  x  NPT  NMN
***    1        0    9
***    2   11    0    8
  100            6
  800            3
  900           11
  914           11
  918           11
  924           11
```

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  932          11
  942          11
  948          11
  946          11
  928          11
  END TIMESERIES

END COPY

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member-> ***
<Name>   x <Name> x tem strg<-factor->strg <Name>   x   x       <Name> x x ***
*** Met Seg PCP_18
WDM2   218 PREC     ENGLZERO 1.1      SAME PERLND  21  32 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME PERLND  21  32 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME PERLND  21  32 EXTNL  PETINP
WDM2    81 ATEM     ENGL              SAME PERLND  21  32 EXTNL  GATMP
WDM2    31 DEWP     ENGL              SAME PERLND  21  32 EXTNL  DTMPG
WDM2     1 WIND     ENGL              SAME PERLND  21  32 EXTNL  WINMOV
WDM2    21 SOLR     ENGL              SAME PERLND  21  32 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME PERLND  21  32 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/9/2012
*** Met Seg PCP_24
WDM2   224 PREC     ENGLZERO          SAME PERLND  41  52 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1      SAME PERLND  41  52 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***      SAME PERLND  41  52 EXTNL  PETINP
WDM2    85 ATEM     ENGL              SAME PERLND  41  52 EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME PERLND  41  52 EXTNL  DTMPG
WDM2     5 WIND     ENGL              SAME PERLND  41  52 EXTNL  WINMOV
WDM2    25 SOLR     ENGL              SAME PERLND  41  52 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME PERLND  41  52 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/9/2012
*** Met Seg PCP_26 BF @ Dutch Mills
WDM2   226 PREC     ENGLZERO 1.12     SAME PERLND  61  72 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1      SAME PERLND  61  72 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***      SAME PERLND  61  72 EXTNL  PETINP
WDM2    85 ATEM     ENGL              SAME PERLND  61  72 EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME PERLND  61  72 EXTNL  DTMPG
WDM2     5 WIND     ENGL              SAME PERLND  61  72 EXTNL  WINMOV
WDM2    25 SOLR     ENGL              SAME PERLND  61  72 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME PERLND  61  72 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg OK348506 (STILWELL 5 NNW)
WDM2   117 PREC     ENGLZERO          SAME PERLND  81  92 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1      SAME PERLND  81  92 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***      SAME PERLND  81  92 EXTNL  PETINP
WDM2    85 ATEM     ENGL              SAME PERLND  81  92 EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME PERLND  81  92 EXTNL  DTMPG
WDM2     5 WIND     ENGL              SAME PERLND  81  92 EXTNL  WINMOV
WDM2    25 SOLR     ENGL              SAME PERLND  81  92 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME PERLND  81  92 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_11 KARST
WDM2   211 PREC     ENGLZERO 1.10     SAME PERLND 101 112 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME PERLND 101 112 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME PERLND 101 112 EXTNL  PETINP
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WDM2    82 ATEM     ENGL            SAME PERLND 101 112 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME PERLND 101 112 EXTNL  DTMPG
WDM2     2 WIND     ENGL            SAME PERLND 101 112 EXTNL  WINMOV
WDM2    22 SOLR     ENGL            SAME PERLND 101 112 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME PERLND 101 112 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_06
WDM2   206 PREC     ENGLZERO 1.05     SAME PERLND 121 132 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.08     SAME PERLND 121 132 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***      SAME PERLND 121 132 EXTNL  PETINP
WDM2    85 ATEM     ENGL             SAME PERLND 121 132 EXTNL  GATMP
WDM2    35 DEWP     ENGL             SAME PERLND 121 132 EXTNL  DTMPG
WDM2     5 WIND     ENGL             SAME PERLND 121 132 EXTNL  WINMOV
WDM2    25 SOLR     ENGL             SAME PERLND 121 132 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL             SAME PERLND 121 132 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg WESTVILL
WDM2   105 PREC     ENGLZERO          SAME PERLND 141 152 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1      SAME PERLND 141 152 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***      SAME PERLND 141 152 EXTNL  PETINP
WDM2    85 ATEM     ENGL             SAME PERLND 141 152 EXTNL  GATMP
WDM2    35 DEWP     ENGL             SAME PERLND 141 152 EXTNL  DTMPG
WDM2     5 WIND     ENGL             SAME PERLND 141 152 EXTNL  WINMOV
WDM2    25 SOLR     ENGL             SAME PERLND 141 152 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL             SAME PERLND 141 152 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_12 KARST
WDM2   212 PREC     ENGLZERO 1.05     SAME PERLND 161 172 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME PERLND 161 172 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME PERLND 161 172 EXTNL  PETINP
WDM2    82 ATEM     ENGL             SAME PERLND 161 172 EXTNL  GATMP
WDM2    32 DEWP     ENGL             SAME PERLND 161 172 EXTNL  DTMPG
WDM2     2 WIND     ENGL             SAME PERLND 161 172 EXTNL  WINMOV
WDM2    22 SOLR     ENGL             SAME PERLND 161 172 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL             SAME PERLND 161 172 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_17 KARST
WDM2   217 PREC     ENGLZERO 1.10     SAME PERLND 181 192 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME PERLND 181 192 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME PERLND 181 192 EXTNL  PETINP
WDM2    81 ATEM     ENGL             SAME PERLND 181 192 EXTNL  GATMP
WDM2    31 DEWP     ENGL             SAME PERLND 181 192 EXTNL  DTMPG
WDM2     1 WIND     ENGL             SAME PERLND 181 192 EXTNL  WINMOV
WDM2    21 SOLR     ENGL             SAME PERLND 181 192 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL             SAME PERLND 181 192 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_09
WDM2   209 PREC     ENGLZERO 1.05     SAME PERLND 201 212 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME PERLND 201 212 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME PERLND 201 212 EXTNL  PETINP
WDM2    82 ATEM     ENGL             SAME PERLND 201 212 EXTNL  GATMP
WDM2    32 DEWP     ENGL             SAME PERLND 201 212 EXTNL  DTMPG
WDM2     2 WIND     ENGL             SAME PERLND 201 212 EXTNL  WINMOV
WDM2    22 SOLR     ENGL             SAME PERLND 201 212 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL             SAME PERLND 201 212 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
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*** Met Seg PCP_07
WDM2   207 PREC     ENGLZERO 1.05     SAME PERLND 221 232 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME PERLND 221 232 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME PERLND 221 232 EXTNL  PETINP
WDM2    82 ATEM     ENGL              SAME PERLND 221 232 EXTNL  GATMP
WDM2    32 DEWP     ENGL              SAME PERLND 221 232 EXTNL  DTMPG
WDM2     2 WIND     ENGL              SAME PERLND 221 232 EXTNL  WINMOV
WDM2    22 SOLR     ENGL              SAME PERLND 221 232 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME PERLND 221 232 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_21
WDM2   221 PREC     ENGLZERO 1.05     SAME PERLND 241 252 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME PERLND 241 252 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME RCHRES 241 252 EXTNL  PETINP
WDM2    81 ATEM     ENGL              SAME PERLND 241 252 EXTNL  GATMP
WDM2    31 DEWP     ENGL              SAME PERLND 241 252 EXTNL  DTMPG
WDM2     1 WIND     ENGL              SAME PERLND 241 252 EXTNL  WINMOV
WDM2    21 SOLR     ENGL              SAME PERLND 241 252 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME PERLND 241 252 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_16
WDM2   216 PREC     ENGLZERO 1.05     SAME PERLND 261 272 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME PERLND 261 272 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME PERLND 261 272 EXTNL  PETINP
WDM2    81 ATEM     ENGL              SAME PERLND 261 272 EXTNL  GATMP
WDM2    31 DEWP     ENGL              SAME PERLND 261 272 EXTNL  DTMPG
WDM2     1 WIND     ENGL              SAME PERLND 261 272 EXTNL  WINMOV
WDM2    21 SOLR     ENGL              SAME PERLND 261 272 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME PERLND 261 272 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_14
WDM2   214 PREC     ENGLZERO 1.10     SAME PERLND 281 292 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME PERLND 281 292 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME PERLND 281 292 EXTNL  PETINP
WDM2    82 ATEM     ENGL              SAME PERLND 281 292 EXTNL  GATMP
WDM2    32 DEWP     ENGL              SAME PERLND 281 292 EXTNL  DTMPG
WDM2     2 WIND     ENGL              SAME PERLND 281 292 EXTNL  WINMOV
WDM2    22 SOLR     ENGL              SAME PERLND 281 292 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME PERLND 281 292 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg COOKSON
WDM2   107 PREC     ENGLZERO          SAME PERLND 321 332 EXTNL  PREC
WDM2    47 PEVT     ENGL     1.15     SAME PERLND 321 332 EXTNL  PETINP
WDM2    67 PMET     ENGL     ***      SAME PERLND 321 332 EXTNL  PETINP
WDM2    87 ATEM     ENGL              SAME PERLND 321 332 EXTNL  GATMP
WDM2    37 DEWP     ENGL              SAME PERLND 321 332 EXTNL  DTMPG
WDM2     7 WIND     ENGL              SAME PERLND 321 332 EXTNL  WINMOV
WDM2    27 SOLR     ENGL              SAME PERLND 321 332 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME PERLND 321 332 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_20
WDM2   220 PREC     ENGLZERO 1.05     SAME PERLND 341 352 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME PERLND 341 352 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME PERLND 341 352 EXTNL  PETINP
WDM2    81 ATEM     ENGL              SAME PERLND 341 352 EXTNL  GATMP
WDM2    31 DEWP     ENGL              SAME PERLND 341 352 EXTNL  DTMPG
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WDM2     1 WIND     ENGL            SAME PERLND 341 352 EXTNL  WINMOV
WDM2    21 SOLR     ENGL            SAME PERLND 341 352 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL            SAME PERLND 341 352 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_23
WDM2   223 PREC     ENGLZERO 1.05     SAME PERLND 361 372 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME PERLND 361 372 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME PERLND 361 372 EXTNL  PETINP
WDM2    81 ATEM     ENGL             SAME PERLND 361 372 EXTNL  GATMP
WDM2    31 DEWP     ENGL             SAME PERLND 361 372 EXTNL  DTMPG
WDM2     1 WIND     ENGL            SAME PERLND 361 372 EXTNL  WINMOV
WDM2    21 SOLR     ENGL            SAME PERLND 361 372 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL            SAME PERLND 361 372 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_22
WDM2   222 PREC     ENGLZERO 1.07     SAME PERLND 381 392 EXTNL  PREC
WDM2    52 PEVT     ENGL     1.1      SAME PERLND 381 392 EXTNL  PETINP
WDM2    72 PMET     ENGL     ***      SAME PERLND 381 392 EXTNL  PETINP
WDM2    92 ATEM     ENGL             SAME PERLND 381 392 EXTNL  GATMP
WDM2    33 DEWP     ENGL             SAME PERLND 381 392 EXTNL  DTMPG
WDM2     3 WIND     ENGL            SAME PERLND 381 392 EXTNL  WINMOV
WDM2    23 SOLR     ENGL            SAME PERLND 381 392 EXTNL  SOLRAD
*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL            SAME PERLND 381 392 EXTNL  CLOUD
*** Met Seg PCP_08
WDM2   208 PREC     ENGLZERO          SAME PERLND 401 412 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1      SAME PERLND 401 412 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***      SAME PERLND 401 412 EXTNL  PETINP
WDM2    85 ATEM     ENGL             SAME PERLND 401 412 EXTNL  GATMP
WDM2    35 DEWP     ENGL             SAME PERLND 401 412 EXTNL  DTMPG
WDM2     5 WIND     ENGL            SAME PERLND 401 412 EXTNL  WINMOV
WDM2    25 SOLR     ENGL            SAME PERLND 401 412 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME PERLND 401 412 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_15 KARST
WDM2   215 PREC     ENGLZERO 1.05     SAME PERLND 421 432 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME PERLND 421 432 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME PERLND 421 432 EXTNL  PETINP
WDM2    81 ATEM     ENGL             SAME PERLND 421 432 EXTNL  GATMP
WDM2    31 DEWP     ENGL             SAME PERLND 421 432 EXTNL  DTMPG
WDM2     1 WIND     ENGL            SAME PERLND 421 432 EXTNL  WINMOV
WDM2    21 SOLR     ENGL            SAME PERLND 421 432 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL            SAME PERLND 421 432 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_02
WDM2   202 PREC     ENGLZERO          SAME PERLND 441 452 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME PERLND 441 452 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME PERLND 441 452 EXTNL  PETINP
WDM2    82 ATEM     ENGL             SAME PERLND 441 452 EXTNL  GATMP
WDM2    32 DEWP     ENGL             SAME PERLND 441 452 EXTNL  DTMPG
WDM2     2 WIND     ENGL            SAME PERLND 441 452 EXTNL  WINMOV
WDM2    22 SOLR     ENGL            SAME PERLND 441 452 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME PERLND 441 452 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_00
WDM2   200 PREC     ENGLZERO 1.07     SAME PERLND 461 472 EXTNL  PREC
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WDM2    52 PEVT     ENGL     1.1      SAME PERLND 461 472 EXTNL  PETINP
WDM2    72 PMET     ENGL     ***      SAME PERLND 461 472 EXTNL  PETINP
WDM2    92 ATEM     ENGL              SAME PERLND 461 472 EXTNL  GATMP
WDM2    33 DEWP     ENGL              SAME PERLND 461 472 EXTNL  DTMPG
WDM2     3 WIND     ENGL              SAME PERLND 461 472 EXTNL  WINMOV
WDM2    23 SOLR     ENGL              SAME PERLND 461 472 EXTNL  SOLRAD
*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL              SAME PERLND 461 472 EXTNL  CLOUD
*** Met Seg PCP_03
WDM2   203 PREC     ENGLZERO 1.07     SAME PERLND 481 492 EXTNL  PREC
WDM2    52 PEVT     ENGL     1.1      SAME PERLND 481 492 EXTNL  PETINP
WDM2    72 PMET     ENGL     ***      SAME PERLND 481 492 EXTNL  PETINP
WDM2    92 ATEM     ENGL              SAME PERLND 481 492 EXTNL  GATMP
WDM2    33 DEWP     ENGL              SAME PERLND 481 492 EXTNL  DTMPG
WDM2     3 WIND     ENGL              SAME PERLND 481 492 EXTNL  WINMOV
WDM2    23 SOLR     ENGL              SAME PERLND 481 492 EXTNL  SOLRAD
*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL              SAME PERLND 481 492 EXTNL  CLOUD
*** Met Seg PCP_19
WDM2   219 PREC     ENGLZERO 1.05     SAME PERLND 501 512 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME PERLND 501 512 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME PERLND 501 512 EXTNL  PETINP
WDM2    81 ATEM     ENGL              SAME PERLND 501 512 EXTNL  GATMP
WDM2    33 DEWP     ENGL              SAME PERLND 501 512 EXTNL  DTMPG
WDM2     3 WIND     ENGL              SAME PERLND 501 512 EXTNL  WINMOV
WDM2    23 SOLR     ENGL              SAME PERLND 501 512 EXTNL  SOLRAD
*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL              SAME PERLND 501 512 EXTNL  CLOUD
*** Met Seg PCP_04
WDM2   204 PREC     ENGLZERO 1.10     SAME PERLND 521 532 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME PERLND 521 532 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME PERLND 521 532 EXTNL  PETINP
WDM2    82 ATEM     ENGL              SAME PERLND 521 532 EXTNL  GATMP
WDM2    32 DEWP     ENGL              SAME PERLND 521 532 EXTNL  DTMPG
WDM2     2 WIND     ENGL              SAME PERLND 521 532 EXTNL  WINMOV
WDM2    22 SOLR     ENGL              SAME PERLND 521 532 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME PERLND 521 532 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_10
WDM2   210 PREC     ENGLZERO 1.05     SAME PERLND 541 552 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME PERLND 541 552 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME PERLND 541 552 EXTNL  PETINP
WDM2    82 ATEM     ENGL              SAME PERLND 541 552 EXTNL  GATMP
WDM2    32 DEWP     ENGL              SAME PERLND 541 552 EXTNL  DTMPG
WDM2     2 WIND     ENGL              SAME PERLND 541 552 EXTNL  WINMOV
WDM2    22 SOLR     ENGL              SAME PERLND 541 552 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME PERLND 541 552 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_05
WDM2   205 PREC     ENGLZERO 1.05     SAME PERLND 301 312 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME PERLND 301 312 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME PERLND 301 312 EXTNL  PETINP
WDM2    82 ATEM     ENGL              SAME PERLND 301 312 EXTNL  GATMP
WDM2    32 DEWP     ENGL              SAME PERLND 301 312 EXTNL  DTMPG
WDM2     2 WIND     ENGL              SAME PERLND 301 312 EXTNL  WINMOV
WDM2    22 SOLR     ENGL              SAME PERLND 301 312 EXTNL  SOLRAD
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WDM2    12 CLOU     ENGL            SAME PERLND 301 312 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg TAHLEQUA
WDM2   106 PREC     ENGLZERO        SAME PERLND 621 632 EXTNL  PREC
WDM2    46 PEVT     ENGL     1.1    SAME PERLND 621 632 EXTNL  PETINP
WDM2    66 PMET     ENGL     ***    SAME PERLND 621 632 EXTNL  PETINP
WDM2    86 ATEM     ENGL            SAME PERLND 621 632 EXTNL  GATMP
WDM2    36 DEWP     ENGL            SAME PERLND 621 632 EXTNL  DTMPG
WDM2     6 WIND     ENGL            SAME PERLND 621 632 EXTNL  WINMOV
WDM2    26 SOLR     ENGL            SAME PERLND 621 632 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME PERLND 621 632 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg OK344672 (Kansas 2 NE)
WDM2   113 PREC     ENGLZERO        SAME PERLND 561 572 EXTNL  PREC
WDM2    53 PEVT     ENGL     1.1    SAME PERLND 561 572 EXTNL  PETINP
WDM2    73 PMET     ENGL     ***    SAME PERLND 561 572 EXTNL  PETINP
WDM2    93 ATEM     ENGL            SAME PERLND 561 572 EXTNL  GATMP
WDM2    35 DEWP     ENGL            SAME PERLND 561 572 EXTNL  DTMPG
WDM2     5 WIND     ENGL            SAME PERLND 561 572 EXTNL  WINMOV
WDM2    25 SOLR     ENGL            SAME PERLND 561 572 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME PERLND 561 572 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_13
WDM2   213 PREC     ENGLZERO 1.05   SAME PERLND 581 592 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1    SAME PERLND 581 592 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***    SAME PERLND 581 592 EXTNL  PETINP
WDM2    82 ATEM     ENGL            SAME PERLND 581 592 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME PERLND 581 592 EXTNL  DTMPG
WDM2     2 WIND     ENGL            SAME PERLND 581 592 EXTNL  WINMOV
WDM2    22 SOLR     ENGL            SAME PERLND 581 592 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME PERLND 581 592 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg WEBBERS
WDM2   108 PREC     ENGLZERO        SAME PERLND 641 652 EXTNL  PREC
WDM2    48 PEVT     ENGL     1.1    SAME PERLND 641 652 EXTNL  PETINP
WDM2    68 PMET     ENGL     ***    SAME PERLND 641 652 EXTNL  PETINP
WDM2    88 ATEM     ENGL            SAME PERLND 641 652 EXTNL  GATMP
WDM2    38 DEWP     ENGL            SAME PERLND 641 652 EXTNL  DTMPG
WDM2     8 WIND     ENGL            SAME PERLND 641 652 EXTNL  WINMOV
WDM2    28 SOLR     ENGL            SAME PERLND 641 652 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME PERLND 641 652 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_01
WDM2   201 PREC     ENGLZERO        SAME PERLND 601 612 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1    SAME PERLND 601 612 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***    SAME PERLND 601 612 EXTNL  PETINP
WDM2    82 ATEM     ENGL            SAME PERLND 601 612 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME PERLND 601 612 EXTNL  DTMPG
WDM2     2 WIND     ENGL            SAME PERLND 601 612 EXTNL  WINMOV
WDM2    22 SOLR     ENGL            SAME PERLND 601 612 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME PERLND 601 612 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg AR035354 (ODELL 2 N)
WDM2   112 PREC     ENGLZERO        SAME PERLND 661 672 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1    SAME PERLND 661 672 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***    SAME PERLND 661 672 EXTNL  PETINP
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WDM2    85 ATEM     ENGL            SAME PERLND 661 672 EXTNL  GATMP
WDM2    35 DEWP     ENGL            SAME PERLND 661 672 EXTNL  DTMPG
WDM2     5 WIND     ENGL            SAME PERLND 661 672 EXTNL  WINMOV
WDM2    25 SOLR     ENGL            SAME PERLND 661 672 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME PERLND 661 672 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_18
WDM2   218 PREC     ENGLZERO 1.10     SAME IMPLND  26  28 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME IMPLND  26  28 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME IMPLND  26  28 EXTNL  PETINP
WDM2    81 ATEM     ENGL            SAME IMPLND  26  28 EXTNL  GATMP
WDM2    31 DEWP     ENGL            SAME IMPLND  26  28 EXTNL  DTMPG
WDM2     1 WIND     ENGL            SAME IMPLND  26  28 EXTNL  WINMOV
WDM2    21 SOLR     ENGL            SAME IMPLND  26  28 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL            SAME IMPLND  26  28 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_24
WDM2   224 PREC     ENGLZERO          SAME IMPLND  46  48 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1      SAME IMPLND  46  48 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***      SAME IMPLND  46  48 EXTNL  PETINP
WDM2    85 ATEM     ENGL            SAME IMPLND  46  48 EXTNL  GATMP
WDM2    35 DEWP     ENGL            SAME IMPLND  46  48 EXTNL  DTMPG
WDM2     5 WIND     ENGL            SAME IMPLND  46  48 EXTNL  WINMOV
WDM2    25 SOLR     ENGL            SAME IMPLND  46  48 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL            SAME IMPLND  46  48 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_26
WDM2   226 PREC     ENGLZERO 1.12     SAME IMPLND  66  68 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1      SAME IMPLND  66  68 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***      SAME IMPLND  66  68 EXTNL  PETINP
WDM2    85 ATEM     ENGL            SAME IMPLND  66  68 EXTNL  GATMP
WDM2    35 DEWP     ENGL            SAME IMPLND  66  68 EXTNL  DTMPG
WDM2     5 WIND     ENGL            SAME IMPLND  66  68 EXTNL  WINMOV
WDM2    25 SOLR     ENGL            SAME IMPLND  66  68 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL            SAME IMPLND  66  68 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg OK348506 (STILWELL 5 NNW)
WDM2   117 PREC     ENGLZERO          SAME IMPLND  86  88 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1      SAME IMPLND  86  88 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***      SAME IMPLND  86  88 EXTNL  PETINP
WDM2    85 ATEM     ENGL            SAME IMPLND  86  88 EXTNL  GATMP
WDM2    35 DEWP     ENGL            SAME IMPLND  86  88 EXTNL  DTMPG
WDM2     5 WIND     ENGL            SAME IMPLND  86  88 EXTNL  WINMOV
WDM2    25 SOLR     ENGL            SAME IMPLND  86  88 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND  86  88 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_11 KARST
WDM2   211 PREC     ENGLZERO 1.10     SAME IMPLND 106 108 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME IMPLND 106 108 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME IMPLND 106 108 EXTNL  PETINP
WDM2    82 ATEM     ENGL            SAME IMPLND 106 108 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME IMPLND 106 108 EXTNL  DTMPG
WDM2     2 WIND     ENGL            SAME IMPLND 106 108 EXTNL  WINMOV
WDM2    22 SOLR     ENGL            SAME IMPLND 106 108 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 106 108 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
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*** Met Seg PCP_06
WDM2   206 PREC     ENGLZERO 1.05     SAME IMPLND 126 128 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1      SAME IMPLND 126 128 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***      SAME IMPLND 126 128 EXTNL  PETINP
WDM2    85 ATEM     ENGL              SAME IMPLND 126 128 EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME IMPLND 126 128 EXTNL  DTMPG
WDM2     5 WIND     ENGL              SAME IMPLND 126 128 EXTNL  WINMOV
WDM2    25 SOLR     ENGL              SAME IMPLND 126 128 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME IMPLND 126 128 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg WESTVILL
WDM2   105 PREC     ENGLZERO          SAME IMPLND 146 148 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1      SAME IMPLND 146 148 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***      SAME IMPLND 146 148 EXTNL  PETINP
WDM2    85 ATEM     ENGL              SAME IMPLND 146 148 EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME IMPLND 146 148 EXTNL  DTMPG
WDM2     5 WIND     ENGL              SAME IMPLND 146 148 EXTNL  WINMOV
WDM2    25 SOLR     ENGL              SAME IMPLND 146 148 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME IMPLND 146 148 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_12 KARST
WDM2   212 PREC     ENGLZERO 1.05     SAME IMPLND 166 168 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME IMPLND 166 168 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME IMPLND 166 168 EXTNL  PETINP
WDM2    82 ATEM     ENGL              SAME IMPLND 166 168 EXTNL  GATMP
WDM2    32 DEWP     ENGL              SAME IMPLND 166 168 EXTNL  DTMPG
WDM2     2 WIND     ENGL              SAME IMPLND 166 168 EXTNL  WINMOV
WDM2    22 SOLR     ENGL              SAME IMPLND 166 168 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME IMPLND 166 168 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_17 KARST
WDM2   217 PREC     ENGLZERO 1.10     SAME IMPLND 186 188 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME IMPLND 186 188 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME IMPLND 186 188 EXTNL  PETINP
WDM2    81 ATEM     ENGL              SAME IMPLND 186 188 EXTNL  GATMP
WDM2    31 DEWP     ENGL              SAME IMPLND 186 188 EXTNL  DTMPG
WDM2     1 WIND     ENGL              SAME IMPLND 186 188 EXTNL  WINMOV
WDM2    21 SOLR     ENGL              SAME IMPLND 186 188 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME IMPLND 186 188 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_09
WDM2   209 PREC     ENGLZERO 1.05     SAME IMPLND 206 208 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME IMPLND 206 208 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME IMPLND 206 208 EXTNL  PETINP
WDM2    82 ATEM     ENGL              SAME IMPLND 206 208 EXTNL  GATMP
WDM2    32 DEWP     ENGL              SAME IMPLND 206 208 EXTNL  DTMPG
WDM2     2 WIND     ENGL              SAME IMPLND 206 208 EXTNL  WINMOV
WDM2    22 SOLR     ENGL              SAME IMPLND 206 208 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME IMPLND 206 208 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_07
WDM2   207 PREC     ENGLZERO 1.05     SAME IMPLND 226 228 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME IMPLND 226 228 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME IMPLND 226 228 EXTNL  PETINP
WDM2    82 ATEM     ENGL              SAME IMPLND 226 228 EXTNL  GATMP
WDM2    32 DEWP     ENGL              SAME IMPLND 226 228 EXTNL  DTMPG
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WDM2     2 WIND     ENGL            SAME IMPLND 226 228 EXTNL  WINMOV
WDM2    22 SOLR     ENGL            SAME IMPLND 226 228 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 226 228 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_21
WDM2   221 PREC     ENGLZERO 1.05     SAME IMPLND 246 248 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME IMPLND 246 248 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME IMPLND 246 248 EXTNL  PETINP
WDM2    81 ATEM     ENGL             SAME IMPLND 246 248 EXTNL  GATMP
WDM2    31 DEWP     ENGL             SAME IMPLND 246 248 EXTNL  DTMPG
WDM2     1 WIND     ENGL            SAME IMPLND 246 248 EXTNL  WINMOV
WDM2    21 SOLR     ENGL            SAME IMPLND 246 248 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL            SAME IMPLND 246 248 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_16
WDM2   216 PREC     ENGLZERO 1.05     SAME IMPLND 266 268 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME IMPLND 266 268 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME IMPLND 266 268 EXTNL  PETINP
WDM2    81 ATEM     ENGL             SAME IMPLND 266 268 EXTNL  GATMP
WDM2    31 DEWP     ENGL             SAME IMPLND 266 268 EXTNL  DTMPG
WDM2     1 WIND     ENGL            SAME IMPLND 266 268 EXTNL  WINMOV
WDM2    21 SOLR     ENGL            SAME IMPLND 266 268 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL            SAME IMPLND 266 268 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_14
WDM2   214 PREC     ENGLZERO 1.10     SAME IMPLND 286 288 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME IMPLND 286 288 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME IMPLND 286 288 EXTNL  PETINP
WDM2    82 ATEM     ENGL             SAME IMPLND 286 288 EXTNL  GATMP
WDM2    32 DEWP     ENGL             SAME IMPLND 286 288 EXTNL  DTMPG
WDM2     2 WIND     ENGL            SAME IMPLND 286 288 EXTNL  WINMOV
WDM2    22 SOLR     ENGL            SAME IMPLND 286 288 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 286 288 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg COOKSON
WDM2   107 PREC     ENGLZERO          SAME IMPLND 326 328 EXTNL  PREC
WDM2    47 PEVT     ENGL     1.1      SAME IMPLND 326 328 EXTNL  PETINP
WDM2    67 PMET     ENGL     ***      SAME IMPLND 326 328 EXTNL  PETINP
WDM2    87 ATEM     ENGL             SAME IMPLND 326 328 EXTNL  GATMP
WDM2    37 DEWP     ENGL             SAME IMPLND 326 328 EXTNL  DTMPG
WDM2     7 WIND     ENGL            SAME IMPLND 326 328 EXTNL  WINMOV
WDM2    27 SOLR     ENGL            SAME IMPLND 326 328 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 326 328 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_20
WDM2   220 PREC     ENGLZERO 1.05     SAME IMPLND 346 348 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME IMPLND 346 348 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME IMPLND 346 348 EXTNL  PETINP
WDM2    81 ATEM     ENGL             SAME IMPLND 346 348 EXTNL  GATMP
WDM2    31 DEWP     ENGL             SAME IMPLND 346 348 EXTNL  DTMPG
WDM2     1 WIND     ENGL            SAME IMPLND 346 348 EXTNL  WINMOV
WDM2    21 SOLR     ENGL            SAME IMPLND 346 348 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL            SAME IMPLND 346 348 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_23
WDM2   223 PREC     ENGLZERO 1.05     SAME IMPLND 366 368 EXTNL  PREC
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WDM2    41 PEVT     ENGL     1.1      SAME IMPLND 366 368 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME IMPLND 366 368 EXTNL  PETINP
WDM2    81 ATEM     ENGL              SAME IMPLND 366 368 EXTNL  GATMP
WDM2    31 DEWP     ENGL              SAME IMPLND 366 368 EXTNL  DTMPG
WDM2     1 WIND     ENGL              SAME IMPLND 366 368 EXTNL  WINMOV
WDM2    21 SOLR     ENGL              SAME IMPLND 366 368 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME IMPLND 366 368 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_22
WDM2   222 PREC     ENGLZERO 1.05     SAME IMPLND 386 388 EXTNL  PREC
WDM2    52 PEVT     ENGL     1.1      SAME IMPLND 386 388 EXTNL  PETINP
WDM2    72 PMET     ENGL     ***      SAME IMPLND 386 388 EXTNL  PETINP
WDM2    92 ATEM     ENGL              SAME IMPLND 386 388 EXTNL  GATMP
WDM2    33 DEWP     ENGL              SAME IMPLND 386 388 EXTNL  DTMPG
WDM2     3 WIND     ENGL              SAME IMPLND 386 388 EXTNL  WINMOV
WDM2    23 SOLR     ENGL              SAME IMPLND 386 388 EXTNL  SOLRAD
*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL              SAME IMPLND 386 388 EXTNL  CLOUD
*** Met Seg PCP_08
WDM2   208 PREC     ENGLZERO          SAME IMPLND 406 408 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1      SAME IMPLND 406 408 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***      SAME IMPLND 406 408 EXTNL  PETINP
WDM2    85 ATEM     ENGL              SAME IMPLND 406 408 EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME IMPLND 406 408 EXTNL  DTMPG
WDM2     5 WIND     ENGL              SAME IMPLND 406 408 EXTNL  WINMOV
WDM2    25 SOLR     ENGL              SAME IMPLND 406 408 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME IMPLND 406 408 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_15 KARST
WDM2   215 PREC     ENGLZERO 1.05     SAME IMPLND 426 428 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME IMPLND 426 428 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME IMPLND 426 428 EXTNL  PETINP
WDM2    81 ATEM     ENGL              SAME IMPLND 426 428 EXTNL  GATMP
WDM2    31 DEWP     ENGL              SAME IMPLND 426 428 EXTNL  DTMPG
WDM2     1 WIND     ENGL              SAME IMPLND 426 428 EXTNL  WINMOV
WDM2    21 SOLR     ENGL              SAME IMPLND 426 428 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME IMPLND 426 428 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_02
WDM2   202 PREC     ENGLZERO          SAME IMPLND 446 448 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME IMPLND 446 448 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME IMPLND 446 448 EXTNL  PETINP
WDM2    82 ATEM     ENGL              SAME IMPLND 446 448 EXTNL  GATMP
WDM2    32 DEWP     ENGL              SAME IMPLND 446 448 EXTNL  DTMPG
WDM2     2 WIND     ENGL              SAME IMPLND 446 448 EXTNL  WINMOV
WDM2    22 SOLR     ENGL              SAME IMPLND 446 448 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME IMPLND 446 448 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_00
WDM2   200 PREC     ENGLZERO 1.05     SAME IMPLND 466 468 EXTNL  PREC
WDM2    52 PEVT     ENGL     1.1      SAME IMPLND 466 468 EXTNL  PETINP
WDM2    72 PMET     ENGL     ***      SAME IMPLND 466 468 EXTNL  PETINP
WDM2    92 ATEM     ENGL              SAME IMPLND 466 468 EXTNL  GATMP
WDM2    33 DEWP     ENGL              SAME IMPLND 466 468 EXTNL  DTMPG
WDM2     3 WIND     ENGL              SAME IMPLND 466 468 EXTNL  WINMOV
WDM2    23 SOLR     ENGL              SAME IMPLND 466 468 EXTNL  SOLRAD
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*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL            SAME IMPLND 466 468 EXTNL  CLOUD
*** Met Seg PCP_03
WDM2   203 PREC     ENGLZERO 1.05     SAME IMPLND 486 488 EXTNL  PREC
WDM2    52 PEVT     ENGL     1.1      SAME IMPLND 486 488 EXTNL  PETINP
WDM2    72 PMET     ENGL     ***      SAME IMPLND 486 488 EXTNL  PETINP
WDM2    92 ATEM     ENGL            SAME IMPLND 486 488 EXTNL  GATMP
WDM2    33 DEWP     ENGL            SAME IMPLND 486 488 EXTNL  DTMPG
WDM2     3 WIND     ENGL            SAME IMPLND 486 488 EXTNL  WINMOV
WDM2    23 SOLR     ENGL            SAME IMPLND 486 488 EXTNL  SOLRAD
*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL            SAME IMPLND 486 488 EXTNL  CLOUD
*** Met Seg PCP_19
WDM2   219 PREC     ENGLZERO 1.05     SAME IMPLND 506 508 EXTNL  PREC
WDM2    41 PEVT     ENGL     1.1      SAME IMPLND 506 508 EXTNL  PETINP
WDM2    61 PMET     ENGL     ***      SAME IMPLND 506 508 EXTNL  PETINP
WDM2    81 ATEM     ENGL            SAME IMPLND 506 508 EXTNL  GATMP
WDM2    33 DEWP     ENGL            SAME IMPLND 506 508 EXTNL  DTMPG
WDM2     3 WIND     ENGL            SAME IMPLND 506 508 EXTNL  WINMOV
WDM2    23 SOLR     ENGL            SAME IMPLND 506 508 EXTNL  SOLRAD
*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL            SAME IMPLND 506 508 EXTNL  CLOUD
*** Met Seg PCP_04
WDM2   204 PREC     ENGLZERO 1.10     SAME IMPLND 526 528 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME IMPLND 526 528 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME IMPLND 526 528 EXTNL  PETINP
WDM2    82 ATEM     ENGL            SAME IMPLND 526 528 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME IMPLND 526 528 EXTNL  DTMPG
WDM2     2 WIND     ENGL            SAME IMPLND 526 528 EXTNL  WINMOV
WDM2    22 SOLR     ENGL            SAME IMPLND 526 528 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 526 528 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_10
WDM2   210 PREC     ENGLZERO 1.05     SAME IMPLND 546 548 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME IMPLND 546 548 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME IMPLND 546 548 EXTNL  PETINP
WDM2    82 ATEM     ENGL            SAME IMPLND 546 548 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME IMPLND 546 548 EXTNL  DTMPG
WDM2     2 WIND     ENGL            SAME IMPLND 546 548 EXTNL  WINMOV
WDM2    22 SOLR     ENGL            SAME IMPLND 546 548 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 546 548 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_05
WDM2   205 PREC     ENGLZERO 1.05     SAME IMPLND 306 308 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1      SAME IMPLND 306 308 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***      SAME IMPLND 306 308 EXTNL  PETINP
WDM2    82 ATEM     ENGL            SAME IMPLND 306 308 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME IMPLND 306 308 EXTNL  DTMPG
WDM2     2 WIND     ENGL            SAME IMPLND 306 308 EXTNL  WINMOV
WDM2    22 SOLR     ENGL            SAME IMPLND 306 308 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 306 308 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg TAHLEQUA
WDM2   106 PREC     ENGLZERO          SAME IMPLND 626 628 EXTNL  PREC
WDM2    46 PEVT     ENGL     1.1      SAME IMPLND 626 628 EXTNL  PETINP
WDM2    66 PMET     ENGL     ***      SAME IMPLND 626 628 EXTNL  PETINP
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WDM2    86 ATEM     ENGL            SAME IMPLND 626 628 EXTNL  GATMP
WDM2    36 DEWP     ENGL            SAME IMPLND 626 628 EXTNL  DTMPG
WDM2     6 WIND     ENGL            SAME IMPLND 626 628 EXTNL  WINMOV
WDM2    26 SOLR     ENGL            SAME IMPLND 626 628 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 626 628 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg OK344672
WDM2   113 PREC     ENGLZERO        SAME IMPLND 566 568 EXTNL  PREC
WDM2    53 PEVT     ENGL     1.1    SAME IMPLND 566 568 EXTNL  PETINP
WDM2    73 PMET     ENGL     ***    SAME IMPLND 566 568 EXTNL  PETINP
WDM2    93 ATEM     ENGL            SAME IMPLND 566 568 EXTNL  GATMP
WDM2    35 DEWP     ENGL            SAME IMPLND 566 568 EXTNL  DTMPG
WDM2     5 WIND     ENGL            SAME IMPLND 566 568 EXTNL  WINMOV
WDM2    25 SOLR     ENGL            SAME IMPLND 566 568 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 566 568 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_13
WDM2   213 PREC     ENGLZERO 1.05   SAME IMPLND 586 588 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1    SAME IMPLND 586 588 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***    SAME IMPLND 586 588 EXTNL  PETINP
WDM2    82 ATEM     ENGL            SAME IMPLND 586 588 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME IMPLND 586 588 EXTNL  DTMPG
WDM2     2 WIND     ENGL            SAME IMPLND 586 588 EXTNL  WINMOV
WDM2    22 SOLR     ENGL            SAME IMPLND 586 588 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 586 588 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg WEBBERS
WDM2   108 PREC     ENGLZERO        SAME IMPLND 646 648 EXTNL  PREC
WDM2    48 PEVT     ENGL     1.1    SAME IMPLND 646 648 EXTNL  PETINP
WDM2    68 PMET     ENGL     ***    SAME IMPLND 646 648 EXTNL  PETINP
WDM2    88 ATEM     ENGL            SAME IMPLND 646 648 EXTNL  GATMP
WDM2    38 DEWP     ENGL            SAME IMPLND 646 648 EXTNL  DTMPG
WDM2     8 WIND     ENGL            SAME IMPLND 646 648 EXTNL  WINMOV
WDM2    28 SOLR     ENGL            SAME IMPLND 646 648 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 646 648 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_01
WDM2   201 PREC     ENGLZERO        SAME IMPLND 606 608 EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1    SAME IMPLND 606 608 EXTNL  PETINP
WDM2    62 PMET     ENGL     ***    SAME IMPLND 606 608 EXTNL  PETINP
WDM2    82 ATEM     ENGL            SAME IMPLND 606 608 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME IMPLND 606 608 EXTNL  DTMPG
WDM2     2 WIND     ENGL            SAME IMPLND 606 608 EXTNL  WINMOV
WDM2    22 SOLR     ENGL            SAME IMPLND 606 608 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 606 608 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg AR035354 (ODELL 2 N)
WDM2   112 PREC     ENGLZERO        SAME IMPLND 666 668 EXTNL  PREC
WDM2    45 PEVT     ENGL     1.1    SAME IMPLND 666 668 EXTNL  PETINP
WDM2    65 PMET     ENGL     ***    SAME IMPLND 666 668 EXTNL  PETINP
WDM2    85 ATEM     ENGL            SAME IMPLND 666 668 EXTNL  GATMP
WDM2    35 DEWP     ENGL            SAME IMPLND 666 668 EXTNL  DTMPG
WDM2     5 WIND     ENGL            SAME IMPLND 666 668 EXTNL  WINMOV
WDM2    25 SOLR     ENGL            SAME IMPLND 666 668 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME IMPLND 666 668 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
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*** Met Seg PCP_18 KARST
WDM2   218 PREC     ENGLZERO 1.05     SAME RCHRES 100     EXTNL  PREC
***Met Seg AR03244 (Fayetteville EXP Station)
WDM2    41 PEVT     ENGL     1.1      SAME RCHRES 100     EXTNL  POTEV
WDM2    61 PMET     ENGL     ***      SAME RCHRES 100     EXTNL  POTEV
WDM2    81 ATEM     ENGL              SAME RCHRES 100     EXTNL  GATMP
WDM2    31 DEWP     ENGL              SAME RCHRES 100     EXTNL  DEWTMP
WDM2     1 WIND     ENGL              SAME RCHRES 100     EXTNL  WIND
WDM2    21 SOLR     ENGL              SAME RCHRES 100     EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME RCHRES 100     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_18
WDM2   218 PREC     ENGLZERO 1.05     SAME RCHRES 108 110 EXTNL  PREC
***Met Seg AR03244 (Fayetteville EXP Station)
WDM2    41 PEVT     ENGL     1.1      SAME RCHRES 108 110 EXTNL  POTEV
WDM2    61 PMET     ENGL     ***      SAME RCHRES 108 110 EXTNL  POTEV
WDM2    81 ATEM     ENGL              SAME RCHRES 108 110 EXTNL  GATMP
WDM2    31 DEWP     ENGL              SAME RCHRES 108 110 EXTNL  DEWTMP
WDM2     1 WIND     ENGL              SAME RCHRES 108 110 EXTNL  WIND
WDM2    21 SOLR     ENGL              SAME RCHRES 108 110 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME RCHRES 108 110 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_24
WDM2   224 PREC     ENGLZERO          SAME RCHRES 714     EXTNL  PREC
*** Met Seg WESTVILL
WDM2    45 PEVT     ENGL     1.1      SAME RCHRES 714     EXTNL  POTEV
WDM2    65 PMET     ENGL     ***      SAME RCHRES 714     EXTNL  POTEV
WDM2    85 ATEM     ENGL              SAME RCHRES 714     EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME RCHRES 714     EXTNL  DEWTMP
WDM2     5 WIND     ENGL              SAME RCHRES 714     EXTNL  WIND
WDM2    25 SOLR     ENGL              SAME RCHRES 714     EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME RCHRES 714     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_26
WDM2   226 PREC     ENGLZERO 1.1      SAME RCHRES 702 706 EXTNL  PREC
*** Met Seg WESTVILL
WDM2    45 PEVT     ENGL     1.1      SAME RCHRES 702 706 EXTNL  POTEV
WDM2    62 PMET     ENGL     ***      SAME RCHRES 702 706 EXTNL  POTEV
WDM2    85 ATEM     ENGL              SAME RCHRES 702 706 EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME RCHRES 702 706 EXTNL  DEWTMP
WDM2     5 WIND     ENGL              SAME RCHRES 702 706 EXTNL  WIND
WDM2    25 SOLR     ENGL              SAME RCHRES 702 706 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME RCHRES 702 706 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg OK348506 (STILWELL 5 NNW)
WDM2   117 PREC     ENGLZERO          SAME RCHRES 718 726 EXTNL  PREC
*** Met Seg WESTVILL
WDM2    45 PEVT     ENGL     1.1      SAME RCHRES 718 726 EXTNL  POTEV
WDM2    62 PMET     ENGL     ***      SAME RCHRES 718 726 EXTNL  POTEV
WDM2    85 ATEM     ENGL              SAME RCHRES 718 726 EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME RCHRES 718 726 EXTNL  DEWTMP
WDM2     5 WIND     ENGL              SAME RCHRES 718 726 EXTNL  WIND
WDM2    25 SOLR     ENGL              SAME RCHRES 718 726 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME RCHRES 718 726 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg OK348506 (STILWELL 5 NNW)
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WDM2   117 PREC     ENGLZERO         SAME RCHRES 736     EXTNL  PREC
WDM2    42 PEVT     ENGL     1.1     SAME RCHRES 736     EXTNL  POTEV
WDM2    62 PMET     ENGL     ***     SAME RCHRES 736     EXTNL  POTEV
WDM2    85 ATEM     ENGL             SAME RCHRES 736     EXTNL  GATMP
WDM2    35 DEWP     ENGL             SAME RCHRES 736     EXTNL  DEWTMP
WDM2     5 WIND     ENGL             SAME RCHRES 736     EXTNL  WIND
WDM2    25 SOLR     ENGL             SAME RCHRES 736     EXTNL  SOLRAD
WDM2    12 CLOU     ENGL             SAME RCHRES 736     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg OK348506 (STILWELL 5 NNW)
WDM2   117 PREC     ENGLZERO         SAME RCHRES 901 906 EXTNL  PREC
*** Met Seg WESTVILL
WDM2    45 PEVT     ENGL     1.1     SAME RCHRES 901 906 EXTNL  POTEV
WDM2    62 PMET     ENGL     ***     SAME RCHRES 901 906 EXTNL  POTEV
WDM2    85 ATEM     ENGL             SAME RCHRES 901 906 EXTNL  GATMP
WDM2    35 DEWP     ENGL             SAME RCHRES 901 906 EXTNL  DEWTMP
WDM2     5 WIND     ENGL             SAME RCHRES 901 906 EXTNL  WIND
WDM2    25 SOLR     ENGL             SAME RCHRES 901 906 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL             SAME RCHRES 901 906 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_11
WDM2   211 PREC     ENGLZERO 1.05    SAME RCHRES 412 414 EXTNL  PREC
*** Met Seg AR723446 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1     SAME RCHRES 412 414 EXTNL  POTEV
WDM2    62 PMET     ENGL     ***     SAME RCHRES 412 414 EXTNL  POTEV
WDM2    82 ATEM     ENGL             SAME RCHRES 412 414 EXTNL  GATMP
WDM2    32 DEWP     ENGL             SAME RCHRES 412 414 EXTNL  DEWTMP
WDM2     2 WIND     ENGL             SAME RCHRES 412 414 EXTNL  WIND
WDM2    22 SOLR     ENGL             SAME RCHRES 412 414 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL             SAME RCHRES 412 414 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_06
WDM2   206 PREC     ENGLZERO 1.05    SAME RCHRES 608 609 EXTNL  PREC
*** Met Seg WESTVILL
WDM2    45 PEVT     ENGL     1.1     SAME RCHRES 608 609 EXTNL  POTEV
WDM2    65 PMET     ENGL     ***     SAME RCHRES 608 609 EXTNL  POTEV
WDM2    85 ATEM     ENGL             SAME RCHRES 608 609 EXTNL  GATMP
WDM2    35 DEWP     ENGL             SAME RCHRES 608 609 EXTNL  DEWTMP
WDM2     5 WIND     ENGL             SAME RCHRES 608 609 EXTNL  WIND
WDM2    25 SOLR     ENGL             SAME RCHRES 608 609 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL             SAME RCHRES 608 609 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_06
WDM2   206 PREC     ENGLZERO 1.05    SAME RCHRES 612     EXTNL  PREC
*** Met Seg WESTVILL
WDM2    45 PEVT     ENGL     1.1     SAME RCHRES 612     EXTNL  POTEV
WDM2    65 PMET     ENGL     ***     SAME RCHRES 612     EXTNL  POTEV
WDM2    85 ATEM     ENGL             SAME RCHRES 612     EXTNL  GATMP
WDM2    35 DEWP     ENGL             SAME RCHRES 612     EXTNL  DEWTMP
WDM2     5 WIND     ENGL             SAME RCHRES 612     EXTNL  WIND
WDM2    25 SOLR     ENGL             SAME RCHRES 612     EXTNL  SOLRAD
WDM2    12 CLOU     ENGL             SAME RCHRES 612     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg WESTVILL
WDM2   105 PREC     ENGLZERO         SAME RCHRES 614     EXTNL  PREC
*** Met Seg WESTVILL
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WDM2    45 PEVT     ENGL     1.1      SAME RCHRES 614     EXTNL  POTEV
WDM2    65 PMET     ENGL     ***      SAME RCHRES 614     EXTNL  POTEV
WDM2    85 ATEM     ENGL              SAME RCHRES 614     EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME RCHRES 614     EXTNL  DEWTMP
WDM2     5 WIND     ENGL              SAME RCHRES 614     EXTNL  WIND
WDM2    25 SOLR     ENGL              SAME RCHRES 614     EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME RCHRES 614     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg WESTVILL
WDM2   105 PREC     ENGLZERO          SAME RCHRES 639 660 EXTNL  PREC
*** Met Seg WESTVILL
WDM2    45 PEVT     ENGL     1.1      SAME RCHRES 639 660 EXTNL  POTEV
WDM2    65 PMET     ENGL     ***      SAME RCHRES 639 660 EXTNL  POTEV
WDM2    85 ATEM     ENGL              SAME RCHRES 639 660 EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME RCHRES 639 660 EXTNL  DEWTMP
WDM2     5 WIND     ENGL              SAME RCHRES 639 660 EXTNL  WIND
WDM2    25 SOLR     ENGL              SAME RCHRES 639 660 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME RCHRES 639 660 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg WESTVILL
WDM2   105 PREC     ENGLZERO          SAME RCHRES 728 732 EXTNL  PREC
*** Met Seg WESTVILL
WDM2    45 PEVT     ENGL     1.1      SAME RCHRES 728 732 EXTNL  POTEV
WDM2    65 PMET     ENGL     ***      SAME RCHRES 728 732 EXTNL  POTEV
WDM2    85 ATEM     ENGL              SAME RCHRES 728 732 EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME RCHRES 728 732 EXTNL  DEWTMP
WDM2     5 WIND     ENGL              SAME RCHRES 728 732 EXTNL  WIND
WDM2    25 SOLR     ENGL              SAME RCHRES 728 732 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME RCHRES 728 732 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg WESTVILL
WDM2   105 PREC     ENGLZERO          SAME RCHRES 738 742 EXTNL  PREC
*** Met Seg WESTVILL
WDM2    45 PEVT     ENGL     1.1      SAME RCHRES 738 742 EXTNL  POTEV
WDM2    65 PMET     ENGL     ***      SAME RCHRES 738 742 EXTNL  POTEV
WDM2    85 ATEM     ENGL              SAME RCHRES 738 742 EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME RCHRES 738 742 EXTNL  DEWTMP
WDM2     5 WIND     ENGL              SAME RCHRES 738 742 EXTNL  WIND
WDM2    25 SOLR     ENGL              SAME RCHRES 738 742 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME RCHRES 738 742 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg WESTVILL
WDM2   105 PREC     ENGLZERO          SAME RCHRES 804     EXTNL  PREC
*** Met Seg WESTVILL
WDM2    45 PEVT     ENGL     1.1      SAME RCHRES 804     EXTNL  POTEV
WDM2    65 PMET     ENGL     ***      SAME RCHRES 804     EXTNL  POTEV
WDM2    85 ATEM     ENGL              SAME RCHRES 804     EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME RCHRES 804     EXTNL  DEWTMP
WDM2     5 WIND     ENGL              SAME RCHRES 804     EXTNL  WIND
WDM2    25 SOLR     ENGL              SAME RCHRES 804     EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME RCHRES 804     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_12
WDM2   212 PREC     ENGLZERO 1.05     SAME RCHRES 408     EXTNL  PREC
***Met Seg AR723443 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1      SAME RCHRES 408     EXTNL  POTEV
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WDM2    61 PMET     ENGL     ***      SAME RCHRES 408     EXTNL  POTEV
WDM2    82 ATEM     ENGL              SAME RCHRES 408     EXTNL  GATMP
WDM2    32 DEWP     ENGL              SAME RCHRES 408     EXTNL  DEWTMP
WDM2     2 WIND     ENGL              SAME RCHRES 408     EXTNL  WIND
WDM2    22 SOLR     ENGL              SAME RCHRES 408     EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME RCHRES 408     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_12
WDM2   212 PREC     ENGLZERO  1.05    SAME RCHRES 416     EXTNL  PREC
***Met Seg AR723443 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1      SAME RCHRES 416     EXTNL  POTEV
WDM2    62 PMET     ENGL     ***      SAME RCHRES 416     EXTNL  POTEV
WDM2    82 ATEM     ENGL              SAME RCHRES 416     EXTNL  GATMP
WDM2    32 DEWP     ENGL              SAME RCHRES 416     EXTNL  DEWTMP
WDM2     2 WIND     ENGL              SAME RCHRES 416     EXTNL  WIND
WDM2    22 SOLR     ENGL              SAME RCHRES 416     EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME RCHRES 416     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_17
WDM2   217 PREC     ENGLZERO 1.05     SAME RCHRES 101 104 EXTNL  PREC
***Met Seg AR03244 (Fayetteville EXP Station)
WDM2    41 PEVT     ENGL     1.1      SAME RCHRES 101 104 EXTNL  POTEV
WDM2    61 PMET     ENGL     ***      SAME RCHRES 101 104 EXTNL  POTEV
WDM2    81 ATEM     ENGL              SAME RCHRES 101 104 EXTNL  GATMP
WDM2    31 DEWP     ENGL              SAME RCHRES 101 104 EXTNL  DEWTMP
WDM2     1 WIND     ENGL              SAME RCHRES 101 104 EXTNL  WIND
WDM2    21 SOLR     ENGL              SAME RCHRES 101 104 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME RCHRES 101 104 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_17
WDM2   217 PREC     ENGLZERO 1.05     SAME RCHRES 120 130 EXTNL  PREC
***Met Seg AR03244 (Fayetteville EXP Station)
WDM2    41 PEVT     ENGL     1.1      SAME RCHRES 120 130 EXTNL  POTEV
WDM2    61 PMET     ENGL     ***      SAME RCHRES 120 130 EXTNL  POTEV
WDM2    81 ATEM     ENGL              SAME RCHRES 120 130 EXTNL  GATMP
WDM2    31 DEWP     ENGL              SAME RCHRES 120 130 EXTNL  DEWTMP
WDM2     1 WIND     ENGL              SAME RCHRES 120 130 EXTNL  WIND
WDM2    21 SOLR     ENGL              SAME RCHRES 120 130 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL              SAME RCHRES 120 130 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_09
WDM2   209 PREC     ENGLZERO 1.05     SAME RCHRES 602     EXTNL  PREC
*** Met Seg AR723446 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1      SAME RCHRES 602     EXTNL  POTEV
WDM2    62 PMET     ENGL     ***      SAME RCHRES 602     EXTNL  POTEV
WDM2    82 ATEM     ENGL              SAME RCHRES 602     EXTNL  GATMP
WDM2    32 DEWP     ENGL              SAME RCHRES 602     EXTNL  DEWTMP
WDM2     2 WIND     ENGL              SAME RCHRES 602     EXTNL  WIND
WDM2    22 SOLR     ENGL              SAME RCHRES 602     EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME RCHRES 602     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_07
WDM2   207 PREC     ENGLZERO 1.05     SAME RCHRES 604 606 EXTNL  PREC
*** Met Seg AR723446 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1      SAME RCHRES 604 606 EXTNL  POTEV
WDM2    62 PMET     ENGL     ***      SAME RCHRES 604 606 EXTNL  POTEV
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WDM2    82 ATEM     ENGL            SAME RCHRES 604 606 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME RCHRES 604 606 EXTNL  DEWTMP
WDM2     2 WIND     ENGL            SAME RCHRES 604 606 EXTNL  WIND
WDM2    22 SOLR     ENGL            SAME RCHRES 604 606 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 604 606 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_21
WDM2   221 PREC     ENGLZERO 1.05     SAME RCHRES 202     EXTNL  PREC
***Met Seg AR03244 (Fayetteville EXP Station)
WDM2    41 PEVT     ENGL     1.1      SAME RCHRES 202     EXTNL  POTEV
WDM2    61 PMET     ENGL     ***      SAME RCHRES 202     EXTNL  POTEV
WDM2    81 ATEM     ENGL             SAME RCHRES 202     EXTNL  GATMP
WDM2    31 DEWP     ENGL             SAME RCHRES 202     EXTNL  DEWTMP
WDM2     1 WIND     ENGL             SAME RCHRES 202     EXTNL  WIND
WDM2    21 SOLR     ENGL             SAME RCHRES 202     EXTNL  SOLRAD
WDM2    11 CLOU     ENGL             SAME RCHRES 202     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_21
WDM2   221 PREC     ENGLZERO 1.05     SAME RCHRES 206     EXTNL  PREC
***Met Seg AR03244 (Fayetteville EXP Station)
WDM2    41 PEVT     ENGL     1.1      SAME RCHRES 206     EXTNL  POTEV
WDM2    61 PMET     ENGL     ***      SAME RCHRES 206     EXTNL  POTEV
WDM2    81 ATEM     ENGL             SAME RCHRES 206     EXTNL  GATMP
WDM2    31 DEWP     ENGL             SAME RCHRES 206     EXTNL  DEWTMP
WDM2     1 WIND     ENGL             SAME RCHRES 206     EXTNL  WIND
WDM2    21 SOLR     ENGL             SAME RCHRES 206     EXTNL  SOLRAD
WDM2    11 CLOU     ENGL             SAME RCHRES 206     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_16
WDM2   216 PREC     ENGLZERO 1.05     SAME RCHRES 208 212 EXTNL  PREC
***Met Seg AR03244 (Fayetteville EXP Station)
WDM2    41 PEVT     ENGL     1.1      SAME RCHRES 208 212 EXTNL  POTEV
WDM2    61 PMET     ENGL     ***      SAME RCHRES 208 212 EXTNL  POTEV
WDM2    81 ATEM     ENGL             SAME RCHRES 208 212 EXTNL  GATMP
WDM2    31 DEWP     ENGL             SAME RCHRES 208 212 EXTNL  DEWTMP
WDM2     1 WIND     ENGL             SAME RCHRES 208 212 EXTNL  WIND
WDM2    21 SOLR     ENGL             SAME RCHRES 208 212 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL             SAME RCHRES 208 212 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_16
WDM2   216 PREC     ENGLZERO          SAME RCHRES 216     EXTNL  PREC
***Met Seg AR03244 (Fayetteville EXP Station)
WDM2    41 PEVT     ENGL     1.1      SAME RCHRES 216     EXTNL  POTEV
WDM2    61 PMET     ENGL     ***      SAME RCHRES 216     EXTNL  POTEV
WDM2    81 ATEM     ENGL             SAME RCHRES 216     EXTNL  GATMP
WDM2    31 DEWP     ENGL             SAME RCHRES 216     EXTNL  DEWTMP
WDM2     1 WIND     ENGL             SAME RCHRES 216     EXTNL  WIND
WDM2    21 SOLR     ENGL             SAME RCHRES 216     EXTNL  SOLRAD
WDM2    11 CLOU     ENGL             SAME RCHRES 216     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_14
WDM2   214 PREC     ENGLZERO          SAME RCHRES 140 160 EXTNL  PREC
*** Met Seg AR723446 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1      SAME RCHRES 140 160 EXTNL  POTEV
WDM2    62 PMET     ENGL     ***      SAME RCHRES 140 160 EXTNL  POTEV
WDM2    82 ATEM     ENGL             SAME RCHRES 140 160 EXTNL  GATMP
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WDM2    32 DEWP     ENGL            SAME RCHRES 140 160 EXTNL  DEWTMP
WDM2     2 WIND     ENGL            SAME RCHRES 140 160 EXTNL  WIND
WDM2    22 SOLR     ENGL            SAME RCHRES 140 160 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 140 160 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_14
WDM2   214 PREC     ENGLZERO        SAME RCHRES 418 420 EXTNL  PREC
*** Met Seg AR723446 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1    SAME RCHRES 418 420 EXTNL  POTEV
WDM2    62 PMET     ENGL     ***    SAME RCHRES 418 420 EXTNL  POTEV
WDM2    82 ATEM     ENGL            SAME RCHRES 418 420 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME RCHRES 418 420 EXTNL  DEWTMP
WDM2     2 WIND     ENGL            SAME RCHRES 418 420 EXTNL  WIND
WDM2    22 SOLR     ENGL            SAME RCHRES 418 420 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 418 420 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg COOKSON
WDM2   107 PREC     ENGLZERO        SAME RCHRES 900     EXTNL  PREC
WDM2   107 PREC     ENGLZERO        SAME RCHRES 908 938 EXTNL  PREC
*** Met Seg COOKSON
WDM2    47 PEVT     ENGL     1.1    SAME RCHRES 908 938 EXTNL  POTEV
WDM2    67 PMET     ENGL     ***    SAME RCHRES 908 938 EXTNL  POTEV
WDM2    87 ATEM     ENGL            SAME RCHRES 908 938 EXTNL  GATMP
WDM2    37 DEWP     ENGL            SAME RCHRES 908 938 EXTNL  DEWTMP
WDM2     7 WIND     ENGL            SAME RCHRES 908 938 EXTNL  WIND
WDM2    27 SOLR     ENGL            SAME RCHRES 908 938 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 908 938 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_20
WDM2   220 PREC     ENGLZERO 1.05   SAME RCHRES 214     EXTNL  PREC
***Met Seg AR03244 (Fayetteville EXP Station)
WDM2    41 PEVT     ENGL     1.1    SAME RCHRES 214     EXTNL  POTEV
WDM2    61 PMET     ENGL     ***    SAME RCHRES 214     EXTNL  POTEV
WDM2    81 ATEM     ENGL            SAME RCHRES 214     EXTNL  GATMP
WDM2    31 DEWP     ENGL            SAME RCHRES 214     EXTNL  DEWTMP
WDM2     1 WIND     ENGL            SAME RCHRES 214     EXTNL  WIND
WDM2    21 SOLR     ENGL            SAME RCHRES 214     EXTNL  SOLRAD
WDM2    11 CLOU     ENGL            SAME RCHRES 214     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_23
WDM2   223 PREC     ENGLZERO 1.05   SAME RCHRES 204     EXTNL  PREC
***Met Seg AR03244 (Fayetteville EXP Station)
WDM2    41 PEVT     ENGL     1.1    SAME RCHRES 204     EXTNL  POTEV
WDM2    61 PMET     ENGL     ***    SAME RCHRES 204     EXTNL  POTEV
WDM2    81 ATEM     ENGL            SAME RCHRES 204     EXTNL  GATMP
WDM2    31 DEWP     ENGL            SAME RCHRES 204     EXTNL  DEWTMP
WDM2     1 WIND     ENGL            SAME RCHRES 204     EXTNL  WIND
WDM2    21 SOLR     ENGL            SAME RCHRES 204     EXTNL  SOLRAD
WDM2    11 CLOU     ENGL            SAME RCHRES 204     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_22
WDM2   222 PREC     ENGLZERO        SAME RCHRES 306 308 EXTNL  PREC
*** Met Seg AR031586 (Bentonville 4S)
WDM2    52 PEVT     ENGL     1.1    SAME RCHRES 306 308 EXTNL  POTEV
WDM2    72 PMET     ENGL     ***    SAME RCHRES 306 308 EXTNL  POTEV
WDM2    92 ATEM     ENGL            SAME RCHRES 306 308 EXTNL  GATMP
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WDM2    33 DEWP     ENGL            SAME RCHRES 306 308 EXTNL  DEWTMP
WDM2     3 WIND     ENGL            SAME RCHRES 306 308 EXTNL  WIND
WDM2    23 SOLR     ENGL            SAME RCHRES 306 308 EXTNL  SOLRAD
*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL            SAME RCHRES 306 308 EXTNL  CLOUD
*** Met Seg PCP_08
WDM2   208 PREC     ENGLZERO        SAME RCHRES 708 712 EXTNL  PREC
*** Met Seg WESTVILL
WDM2    45 PEVT     ENGL     1.1    SAME RCHRES 708 712 EXTNL  POTEV
WDM2    65 PMET     ENGL     ***    SAME RCHRES 708 712 EXTNL  POTEV
WDM2    85 ATEM     ENGL            SAME RCHRES 708 712 EXTNL  GATMP
WDM2    35 DEWP     ENGL            SAME RCHRES 708 712 EXTNL  DEWTMP
WDM2     5 WIND     ENGL            SAME RCHRES 708 712 EXTNL  WIND
WDM2    25 SOLR     ENGL            SAME RCHRES 708 712 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 708 712 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_15
WDM2   215 PREC     ENGLZERO        SAME RCHRES 402 406 EXTNL  PREC
***Met Seg AR03244 (Fayetteville EXP Station)
WDM2    41 PEVT     ENGL     1.1    SAME RCHRES 402 406 EXTNL  POTEV
WDM2    61 PMET     ENGL     ***    SAME RCHRES 402 406 EXTNL  POTEV
WDM2    81 ATEM     ENGL            SAME RCHRES 402 406 EXTNL  GATMP
WDM2    31 DEWP     ENGL            SAME RCHRES 402 406 EXTNL  DEWTMP
WDM2     1 WIND     ENGL            SAME RCHRES 402 406 EXTNL  WIND
WDM2    21 SOLR     ENGL            SAME RCHRES 402 406 EXTNL  SOLRAD
WDM2    11 CLOU     ENGL            SAME RCHRES 402 406 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_02
WDM2   202 PREC     ENGLZERO        SAME RCHRES 502 504 EXTNL  PREC
*** Met Seg AR723446 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1    SAME RCHRES 502 504 EXTNL  POTEV
WDM2    62 PMET     ENGL     ***    SAME RCHRES 502 504 EXTNL  POTEV
WDM2    82 ATEM     ENGL            SAME RCHRES 502 504 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME RCHRES 502 504 EXTNL  DEWTMP
WDM2     2 WIND     ENGL            SAME RCHRES 502 504 EXTNL  WIND
WDM2    22 SOLR     ENGL            SAME RCHRES 502 504 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 502 504 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_00
WDM2   200 PREC     ENGLZERO        SAME RCHRES 302 304 EXTNL  PREC
*** Met Seg AR031586 (Bentonville 4S)
WDM2    52 PEVT     ENGL     1.1    SAME RCHRES 302 304 EXTNL  POTEV
WDM2    72 PMET     ENGL     ***    SAME RCHRES 302 304 EXTNL  POTEV
WDM2    92 ATEM     ENGL            SAME RCHRES 302 304 EXTNL  GATMP
WDM2    33 DEWP     ENGL            SAME RCHRES 302 304 EXTNL  DEWTMP
WDM2     3 WIND     ENGL            SAME RCHRES 302 304 EXTNL  WIND
WDM2    23 SOLR     ENGL            SAME RCHRES 302 304 EXTNL  SOLRAD
*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL            SAME RCHRES 302 304 EXTNL  CLOUD
*** Met Seg PCP_00
WDM2   200 PREC     ENGLZERO        SAME RCHRES 316     EXTNL  PREC
*** Met Seg AR031586 (Bentonville 4S)
WDM2    52 PEVT     ENGL     1.1    SAME RCHRES 316     EXTNL  POTEV
WDM2    72 PMET     ENGL     ***    SAME RCHRES 316     EXTNL  POTEV
WDM2    92 ATEM     ENGL            SAME RCHRES 316     EXTNL  GATMP
WDM2    33 DEWP     ENGL            SAME RCHRES 316     EXTNL  DEWTMP
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WDM2     3 WIND     ENGL            SAME RCHRES 316     EXTNL  WIND
WDM2    23 SOLR     ENGL            SAME RCHRES 316     EXTNL  SOLRAD
*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL            SAME RCHRES 316     EXTNL  CLOUD
*** Met Seg PCP_03
WDM2   203 PREC     ENGLZERO         SAME RCHRES 312 314 EXTNL  PREC
*** Met Seg AR031586 (Bentonville 4S)
WDM2    52 PEVT     ENGL     1.1     SAME RCHRES 312 314 EXTNL  POTEV
WDM2    72 PMET     ENGL     ***     SAME RCHRES 312 314 EXTNL  POTEV
WDM2    92 ATEM     ENGL            SAME RCHRES 312 314 EXTNL  GATMP
WDM2    33 DEWP     ENGL            SAME RCHRES 312 314 EXTNL  DEWTMP
WDM2     3 WIND     ENGL            SAME RCHRES 312 314 EXTNL  WIND
WDM2    23 SOLR     ENGL            SAME RCHRES 312 314 EXTNL  SOLRAD
*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL            SAME RCHRES 312 314 EXTNL  CLOUD
*** Met Seg PCP_19
WDM2   219 PREC     ENGLZERO 1.05    SAME RCHRES 318 322 EXTNL  PREC
***Met Seg AR03244 (Fayetteville EXP Station)
WDM2    41 PEVT     ENGL     1.1     SAME RCHRES 318 322 EXTNL  POTEV
WDM2    61 PMET     ENGL     ***     SAME RCHRES 318 322 EXTNL  POTEV
WDM2    81 ATEM     ENGL            SAME RCHRES 318 322 EXTNL  GATMP
WDM2    33 DEWP     ENGL            SAME RCHRES 318 322 EXTNL  DEWTMP
WDM2     3 WIND     ENGL            SAME RCHRES 318 322 EXTNL  WIND
WDM2    23 SOLR     ENGL            SAME RCHRES 318 322 EXTNL  SOLRAD
*** Previous 4 lines updated by Nicole after Thiessen analysis on 4/10/2012
WDM2    13 CLOU     ENGL            SAME RCHRES 318 322 EXTNL  CLOUD
*** Met Seg PCP_04
WDM2   204 PREC     ENGLZERO         SAME RCHRES 514 516 EXTNL  PREC
*** Met Seg AR723446 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1     SAME RCHRES 514 516 EXTNL  POTEV
WDM2    62 PMET     ENGL     ***     SAME RCHRES 514 516 EXTNL  POTEV
WDM2    82 ATEM     ENGL            SAME RCHRES 514 516 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME RCHRES 514 516 EXTNL  DEWTMP
WDM2     2 WIND     ENGL            SAME RCHRES 514 516 EXTNL  WIND
WDM2    22 SOLR     ENGL            SAME RCHRES 514 516 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 514 516 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_10
WDM2   210 PREC     ENGLZERO 1.05    SAME RCHRES 600     EXTNL  PREC
*** Met Seg AR723446 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1     SAME RCHRES 600     EXTNL  POTEV
WDM2    62 PMET     ENGL     ***     SAME RCHRES 600     EXTNL  POTEV
WDM2    82 ATEM     ENGL            SAME RCHRES 600     EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME RCHRES 600     EXTNL  DEWTMP
WDM2     2 WIND     ENGL            SAME RCHRES 600     EXTNL  WIND
WDM2    22 SOLR     ENGL            SAME RCHRES 600     EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 600     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_05
WDM2   205 PREC     ENGLZERO 1.05    SAME RCHRES 610     EXTNL  PREC
*** Met Seg AR723446 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1     SAME RCHRES 610     EXTNL  POTEV
WDM2    62 PMET     ENGL     ***     SAME RCHRES 610     EXTNL  POTEV
WDM2    82 ATEM     ENGL            SAME RCHRES 610     EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME RCHRES 610     EXTNL  DEWTMP
WDM2     2 WIND     ENGL            SAME RCHRES 610     EXTNL  WIND
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WDM2    22 SOLR     ENGL            SAME RCHRES 610     EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 610     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_05
WDM2   205 PREC     ENGLZERO 1.05     SAME RCHRES 620 638 EXTNL  PREC
*** Met Seg AR723446 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1      SAME RCHRES 620 638 EXTNL  POTEV
WDM2    62 PMET     ENGL     ***      SAME RCHRES 620 638 EXTNL  POTEV
WDM2    82 ATEM     ENGL             SAME RCHRES 620 638 EXTNL  GATMP
WDM2    32 DEWP     ENGL             SAME RCHRES 620 638 EXTNL  DEWTMP
WDM2     2 WIND     ENGL            SAME RCHRES 620 638 EXTNL  WIND
WDM2    22 SOLR     ENGL            SAME RCHRES 620 638 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 620 638 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg TAHLEQUA
WDM2   106 PREC     ENGLZERO         SAME RCHRES 746 752 EXTNL  PREC
*** Met Seg TAHLEQUA
WDM2    46 PEVT     ENGL     1.1      SAME RCHRES 746 752 EXTNL  POTEV
WDM2    66 PMET     ENGL     ***      SAME RCHRES 746 752 EXTNL  POTEV
WDM2    86 ATEM     ENGL             SAME RCHRES 746 752 EXTNL  GATMP
WDM2    36 DEWP     ENGL             SAME RCHRES 746 752 EXTNL  DEWTMP
WDM2     6 WIND     ENGL            SAME RCHRES 746 752 EXTNL  WIND
WDM2    26 SOLR     ENGL            SAME RCHRES 746 752 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 746 752 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg TAHLEQUA
WDM2   106 PREC     ENGLZERO         SAME RCHRES 805 809 EXTNL  PREC
*** Met Seg TAHLEQUA
WDM2    46 PEVT     ENGL     1.1      SAME RCHRES 805 809 EXTNL  POTEV
WDM2    66 PMET     ENGL     ***      SAME RCHRES 805 809 EXTNL  POTEV
WDM2    86 ATEM     ENGL             SAME RCHRES 805 809 EXTNL  GATMP
WDM2    36 DEWP     ENGL             SAME RCHRES 805 809 EXTNL  DEWTMP
WDM2     6 WIND     ENGL            SAME RCHRES 805 809 EXTNL  WIND
WDM2    26 SOLR     ENGL            SAME RCHRES 805 809 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 805 809 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg TAHLEQUA
WDM2   106 PREC     ENGLZERO         SAME RCHRES 840 900 EXTNL  PREC
*** Met Seg TAHLEQUA
WDM2    46 PEVT     ENGL     1.1      SAME RCHRES 840 900 EXTNL  POTEV
WDM2    66 PMET     ENGL     ***      SAME RCHRES 840 900 EXTNL  POTEV
WDM2    86 ATEM     ENGL             SAME RCHRES 840 900 EXTNL  GATMP
WDM2    36 DEWP     ENGL             SAME RCHRES 840 900 EXTNL  DEWTMP
WDM2     6 WIND     ENGL            SAME RCHRES 840 900 EXTNL  WIND
WDM2    26 SOLR     ENGL            SAME RCHRES 840 900 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 840 900 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg OK344672
WDM2   113 PREC     ENGLZERO         SAME RCHRES 518 524 EXTNL  PREC
*** Met Seg OK344672 (Kansas 2 NE)
WDM2    53 PEVT     ENGL     1.1      SAME RCHRES 518 524 EXTNL  POTEV
WDM2    73 PMET     ENGL     ***      SAME RCHRES 518 524 EXTNL  POTEV
WDM2    93 ATEM     ENGL             SAME RCHRES 518 524 EXTNL  GATMP
WDM2    35 DEWP     ENGL             SAME RCHRES 518 524 EXTNL  DEWTMP
WDM2     5 WIND     ENGL            SAME RCHRES 518 524 EXTNL  WIND
WDM2    25 SOLR     ENGL            SAME RCHRES 518 524 EXTNL  SOLRAD
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WDM2    12 CLOU     ENGL            SAME RCHRES 518 524 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg OK344672
WDM2   113 PREC     ENGLZERO        SAME RCHRES 670     EXTNL  PREC
*** Met Seg OK344672 (Kansas 2 NE)
WDM2    53 PEVT     ENGL     1.1    SAME RCHRES 670     EXTNL  POTEV
WDM2    73 PMET     ENGL     ***    SAME RCHRES 670     EXTNL  POTEV
WDM2    93 ATEM     ENGL            SAME RCHRES 670     EXTNL  GATMP
WDM2    35 DEWP     ENGL            SAME RCHRES 670     EXTNL  DEWTMP
WDM2     5 WIND     ENGL            SAME RCHRES 670     EXTNL  WIND
WDM2    25 SOLR     ENGL            SAME RCHRES 670     EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 670     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg OK344672
WDM2   113 PREC     ENGLZERO        SAME RCHRES 800 802 EXTNL  PREC
*** Met Seg OK344672 (Kansas 2 NE)
WDM2    53 PEVT     ENGL     1.1    SAME RCHRES 800 802 EXTNL  POTEV
WDM2    73 PMET     ENGL     ***    SAME RCHRES 800 802 EXTNL  POTEV
WDM2    93 ATEM     ENGL            SAME RCHRES 800 802 EXTNL  GATMP
WDM2    35 DEWP     ENGL            SAME RCHRES 800 802 EXTNL  DEWTMP
WDM2     5 WIND     ENGL            SAME RCHRES 800 802 EXTNL  WIND
WDM2    25 SOLR     ENGL            SAME RCHRES 800 802 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 800 802 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg OK344672
WDM2   113 PREC     ENGLZERO        SAME RCHRES 810 830 EXTNL  PREC
*** Met Seg OK344672 (Kansas 2 NE)
WDM2    53 PEVT     ENGL     1.1    SAME RCHRES 810 830 EXTNL  POTEV
WDM2    73 PMET     ENGL     ***    SAME RCHRES 810 830 EXTNL  POTEV
WDM2    93 ATEM     ENGL            SAME RCHRES 810 830 EXTNL  GATMP
WDM2    35 DEWP     ENGL            SAME RCHRES 810 830 EXTNL  DEWTMP
WDM2     5 WIND     ENGL            SAME RCHRES 810 830 EXTNL  WIND
WDM2    25 SOLR     ENGL            SAME RCHRES 810 830 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 810 830 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_13
WDM2   213 PREC     ENGLZERO 1.05   SAME RCHRES 324 326 EXTNL  PREC
*** Met Seg AR723446 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1    SAME RCHRES 324 326 EXTNL  POTEV
WDM2    62 PMET     ENGL     ***    SAME RCHRES 324 326 EXTNL  POTEV
WDM2    82 ATEM     ENGL            SAME RCHRES 324 326 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME RCHRES 324 326 EXTNL  DEWTMP
WDM2     2 WIND     ENGL            SAME RCHRES 324 326 EXTNL  WIND
WDM2    22 SOLR     ENGL            SAME RCHRES 324 326 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 324 326 EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg PCP_01
WDM2   201 PREC     ENGLZERO        SAME RCHRES 505 512 EXTNL  PREC
*** Met Seg AR723446 (Siloam Springs AWOS)
WDM2    42 PEVT     ENGL     1.1    SAME RCHRES 505 512 EXTNL  POTEV
WDM2    62 PMET     ENGL     ***    SAME RCHRES 505 512 EXTNL  POTEV
WDM2    82 ATEM     ENGL            SAME RCHRES 505 512 EXTNL  GATMP
WDM2    32 DEWP     ENGL            SAME RCHRES 505 512 EXTNL  DEWTMP
WDM2     2 WIND     ENGL            SAME RCHRES 505 512 EXTNL  WIND
WDM2    22 SOLR     ENGL            SAME RCHRES 505 512 EXTNL  SOLRAD
WDM2    12 CLOU     ENGL            SAME RCHRES 505 512 EXTNL  CLOUD
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*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012
*** Met Seg AR035354 (ODELL 2 N)
WDM2   112 PREC     ENGLZERO          SAME RCHRES 716     EXTNL  PREC
*** Met Seg WESTVILL
WDM2    45 PEVT     ENGL     1.1      SAME RCHRES 716     EXTNL  POTEV
WDM2    65 PMET     ENGL     ***      SAME RCHRES 716     EXTNL  POTEV
WDM2    85 ATEM     ENGL              SAME RCHRES 716     EXTNL  GATMP
WDM2    35 DEWP     ENGL              SAME RCHRES 716     EXTNL  DEWTMP
WDM2     5 WIND     ENGL              SAME RCHRES 716     EXTNL  WIND
WDM2    25 SOLR     ENGL              SAME RCHRES 716     EXTNL  SOLRAD
WDM2    12 CLOU     ENGL              SAME RCHRES 716     EXTNL  CLOUD
*** Previous 5 lines updated by Nicole after Thiessen analysis on 4/10/2012

*** Diversion for Siloam Springs Municipality
WDM1  6371 DIVR     ENGL              SAME RCHRES 637     EXTNL  OUTDGT 1

*** POINT SOURCES
*** The factor 3.0689 converts MGD to ac-feet/day for FLOW
*** TSS (lbs/day) is converted to tons/day and allocated 40% to silt, 60% to clay
*** all other constituents are in lbs/day in WDM file
*** Tahlequah WWTP
WDM3   801 FLOW     ENGL    3.0689    DIV  RCHRES 809     INFLOW IVOL
WDM3   802 HEAT     ENGL    1.0       DIV  RCHRES 809     INFLOW IHEAT
WDM3   804 TSS      ENGL    0.0002    DIV  RCHRES 809     INFLOW ISED   2
WDM3   804 TSS      ENGL    0.0003    DIV  RCHRES 809     INFLOW ISED   3
WDM3   810 DOX      ENGL              DIV  RCHRES 809     INFLOW OXIF   1
WDM3   808 BODU     ENGL              DIV  RCHRES 809     INFLOW OXIF   2
WDM3   816 NO3      ENGL              DIV  RCHRES 809     INFLOW NUIF1  1
WDM3   812 NH3      ENGL              DIV  RCHRES 809     INFLOW NUIF1  2
WDM3   822 PO4      ENGL              DIV  RCHRES 809     INFLOW NUIF1  4
WDM3   818 ORGN     ENGL              DIV  RCHRES 809     INFLOW PKIF   3
WDM3   824 ORGP     ENGL              DIV  RCHRES 809     INFLOW PKIF   4
WDM3   813 ORGC     ENGL              DIV  RCHRES 809     INFLOW PKIF   5
*** Rogers WWTP
WDM3  1001 FLOW     ENGL    3.0689    DIV  RCHRES 304     INFLOW IVOL
WDM3  1002 HEAT     ENGL    1.0       DIV  RCHRES 304     INFLOW IHEAT
WDM3  1004 TSS      ENGL    0.0002    DIV  RCHRES 304     INFLOW ISED   2
WDM3  1004 TSS      ENGL    0.0003    DIV  RCHRES 304     INFLOW ISED   3
WDM3  1010 DOX      ENGL              DIV  RCHRES 304     INFLOW OXIF   1
WDM3  1008 BODU     ENGL              DIV  RCHRES 304     INFLOW OXIF   2
WDM3  1016 NO3      ENGL              DIV  RCHRES 304     INFLOW NUIF1  1
WDM3  1012 NH3      ENGL              DIV  RCHRES 304     INFLOW NUIF1  2
WDM3  1022 PO4      ENGL              DIV  RCHRES 304     INFLOW NUIF1  4
WDM3  1018 ORGN     ENGL              DIV  RCHRES 304     INFLOW PKIF   3
WDM3  1024 ORGP     ENGL              DIV  RCHRES 304     INFLOW PKIF   4
WDM3  1025 ORGC     ENGL              DIV  RCHRES 304     INFLOW PKIF   5
*** Siloam Springs WWTP
WDM3  3001 FLOW     ENGL    3.0689    DIV  RCHRES 516     INFLOW IVOL
WDM3  3002 HEAT     ENGL    1.0       DIV  RCHRES 516     INFLOW IHEAT
WDM3  3004 TSS      ENGL    0.0002    DIV  RCHRES 516     INFLOW ISED   2
WDM3  3004 TSS      ENGL    0.0003    DIV  RCHRES 516     INFLOW ISED   3
WDM3  3010 DOX      ENGL              DIV  RCHRES 516     INFLOW OXIF   1
WDM3  3008 BODU     ENGL              DIV  RCHRES 516     INFLOW OXIF   2
WDM3  3016 NO3      ENGL              DIV  RCHRES 516     INFLOW NUIF1  1
WDM3  3012 NH3      ENGL              DIV  RCHRES 516     INFLOW NUIF1  2
WDM3  3022 PO4      ENGL              DIV  RCHRES 516     INFLOW NUIF1  4
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WDM3  3018 ORGN     ENGL            DIV  RCHRES 516     INFLOW PKIF   3
WDM3  3024 ORGP     ENGL            DIV  RCHRES 516     INFLOW PKIF   4
WDM3  3013 ORGC     ENGL            DIV  RCHRES 516     INFLOW PKIF   5
*** Prairie Grove WWTP
WDM3  5001 FLOW     ENGL    3.0689    DIV  RCHRES 408     INFLOW IVOL
WDM3  5002 HEAT     ENGL    1.0       DIV  RCHRES 408     INFLOW IHEAT
WDM3  5004 TSS      ENGL    0.0002    DIV  RCHRES 408     INFLOW ISED   2
WDM3  5004 TSS      ENGL    0.0003    DIV  RCHRES 408     INFLOW ISED   3
WDM3  5010 DOX      ENGL            DIV  RCHRES 408     INFLOW OXIF   1
WDM3  5008 BODU     ENGL            DIV  RCHRES 408     INFLOW OXIF   2
WDM3  5016 NO3      ENGL            DIV  RCHRES 408     INFLOW NUIF1  1
WDM3  5012 NH3      ENGL            DIV  RCHRES 408     INFLOW NUIF1  2
WDM3  5022 PO4      ENGL            DIV  RCHRES 408     INFLOW NUIF1  4
WDM3  5018 ORGN     ENGL            DIV  RCHRES 408     INFLOW PKIF   3
WDM3  5024 ORGP     ENGL            DIV  RCHRES 408     INFLOW PKIF   4
WDM3  5013 ORGC     ENGL            DIV  RCHRES 408     INFLOW PKIF   5
*** Springdale WWTP
WDM3   901 FLOW     ENGL    3.0689    DIV  RCHRES 308     INFLOW IVOL
WDM3   902 HEAT     ENGL    1.0       DIV  RCHRES 308     INFLOW IHEAT
WDM3   904 TSS      ENGL    0.0002    DIV  RCHRES 308     INFLOW ISED   2
WDM3   904 TSS      ENGL    0.0003    DIV  RCHRES 308     INFLOW ISED   3
WDM3   910 DOX      ENGL            DIV  RCHRES 308     INFLOW OXIF   1
WDM3   908 BODU     ENGL            DIV  RCHRES 308     INFLOW OXIF   2
WDM3   916 NO3      ENGL      1.5   DIV  RCHRES 308     INFLOW NUIF1  1
WDM3   912 NH3      ENGL            DIV  RCHRES 308     INFLOW NUIF1  2
WDM3   922 PO4      ENGL            DIV  RCHRES 308     INFLOW NUIF1  4
WDM3   918 ORGN     ENGL            DIV  RCHRES 308     INFLOW PKIF   3
WDM3   924 ORGP     ENGL            DIV  RCHRES 308     INFLOW PKIF   4
WDM3   913 ORGC     ENGL            DIV  RCHRES 308     INFLOW PKIF   5
*** Fayetteville - Noland WWTP
WDM3  6001 FLOW     ENGL    3.0689    DIV  RCHRES 204     INFLOW IVOL
WDM3  6002 HEAT     ENGL    1.0       DIV  RCHRES 204     INFLOW IHEAT
WDM3  6004 TSS      ENGL    0.0002    DIV  RCHRES 204     INFLOW ISED   2
WDM3  6004 TSS      ENGL    0.0003    DIV  RCHRES 204     INFLOW ISED   3
WDM3  6010 DOX      ENGL            DIV  RCHRES 204     INFLOW OXIF   1
WDM3  6008 BODU     ENGL            DIV  RCHRES 204     INFLOW OXIF   2
WDM3  6016 NO3      ENGL            DIV  RCHRES 204     INFLOW NUIF1  1
WDM3  6012 NH3      ENGL            DIV  RCHRES 204     INFLOW NUIF1  2
WDM3  6022 PO4      ENGL            DIV  RCHRES 204     INFLOW NUIF1  4
WDM3  6018 ORGN     ENGL            DIV  RCHRES 204     INFLOW PKIF   3
WDM3  6024 ORGP     ENGL            DIV  RCHRES 204     INFLOW PKIF   4
WDM3  6013 ORGC     ENGL            DIV  RCHRES 204     INFLOW PKIF   5
*** Fayetteville - Westside WWTP
WDM3   701 FLOW     ENGL    3.0689    DIV  RCHRES 102     INFLOW IVOL
WDM3   702 HEAT     ENGL    1.0       DIV  RCHRES 102     INFLOW IHEAT
WDM3   704 TSS      ENGL    0.0002    DIV  RCHRES 102     INFLOW ISED   2
WDM3   704 TSS      ENGL    0.0003    DIV  RCHRES 102     INFLOW ISED   3
WDM3   710 DOX      ENGL            DIV  RCHRES 102     INFLOW OXIF   1
WDM3   708 BODU     ENGL            DIV  RCHRES 102     INFLOW OXIF   2
WDM3   716 NO3      ENGL            DIV  RCHRES 102     INFLOW NUIF1  1
WDM3   712 NH3      ENGL            DIV  RCHRES 102     INFLOW NUIF1  2
WDM3   722 PO4      ENGL            DIV  RCHRES 102     INFLOW NUIF1  4
WDM3   718 ORGN     ENGL            DIV  RCHRES 102     INFLOW PKIF   3
WDM3   724 ORGP     ENGL            DIV  RCHRES 102     INFLOW PKIF   4
WDM3   713 ORGC     ENGL            DIV  RCHRES 102     INFLOW PKIF   5
*** Lincoln WWTP
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WDM3  9001 FLOW     ENGL    3.0689    DIV  RCHRES 703     INFLOW IVOL
WDM3  9002 HEAT     ENGL    1.0       DIV  RCHRES 703     INFLOW IHEAT
WDM3  9004 TSS      ENGL    0.0002    DIV  RCHRES 703     INFLOW ISED   2
WDM3  9004 TSS      ENGL    0.0003    DIV  RCHRES 703     INFLOW ISED   3
WDM3  9010 DOX      ENGL              DIV  RCHRES 703     INFLOW OXIF   1
WDM3  9008 BODU     ENGL              DIV  RCHRES 703     INFLOW OXIF   2
WDM3  9016 NO3      ENGL              DIV  RCHRES 703     INFLOW NUIF1  1
WDM3  9012 NH3      ENGL              DIV  RCHRES 703     INFLOW NUIF1  2
WDM3  9022 PO4      ENGL              DIV  RCHRES 703     INFLOW NUIF1  4
WDM3  9018 ORGN     ENGL              DIV  RCHRES 703     INFLOW PKIF   3
WDM3  9024 ORGP     ENGL              DIV  RCHRES 703     INFLOW PKIF   4
WDM3  9013 ORGC     ENGL              DIV  RCHRES 703     INFLOW PKIF   5
*** Gentry WWTP - discharges to SWEPCO Lake
WDM3  2001 FLOW     ENGL    3.0689    DIV  RCHRES 506     INFLOW IVOL
WDM3  2002 HEAT     ENGL    1.0       DIV  RCHRES 506     INFLOW IHEAT
WDM3  2004 TSS      ENGL    0.0002    DIV  RCHRES 506     INFLOW ISED   2
WDM3  2004 TSS      ENGL    0.0003    DIV  RCHRES 506     INFLOW ISED   3
WDM3  2010 DOX      ENGL              DIV  RCHRES 506     INFLOW OXIF   1
WDM3  2008 BODU     ENGL              DIV  RCHRES 506     INFLOW OXIF   2
WDM3  2016 NO3      ENGL              DIV  RCHRES 506     INFLOW NUIF1  1
WDM3  2012 NH3      ENGL              DIV  RCHRES 506     INFLOW NUIF1  2
WDM3  2022 PO4      ENGL              DIV  RCHRES 506     INFLOW NUIF1  4
WDM3  2018 ORGN     ENGL              DIV  RCHRES 506     INFLOW PKIF   3
WDM3  2024 ORGP     ENGL              DIV  RCHRES 506     INFLOW PKIF   4
WDM3  2013 ORGC     ENGL              DIV  RCHRES 506     INFLOW PKIF   5
*** SWEPCO Power Plant - discharges to SWEPCO Lake (added 1/27/2014)
WDM3  1102 HEAT     ENGL    1.0       DIV  RCHRES 506     INFLOW IHEAT
WDM3  1103 HEAT     ENGL    1.0       DIV  RCHRES 506     INFLOW IHEAT
WDM3  1104 TSS      ENGL    0.0002    DIV  RCHRES 506     INFLOW ISED   2
WDM3  1110 DOX      ENGL              DIV  RCHRES 506     INFLOW OXIF   1
*** Lake Wedington USFS
WDM3  4001 FLOW     ENGL    3.0689    DIV  RCHRES 420     INFLOW IVOL
WDM3  4002 HEAT     ENGL    1.0       DIV  RCHRES 420     INFLOW IHEAT
WDM3  4004 TSS      ENGL    0.0002    DIV  RCHRES 420     INFLOW ISED   2
WDM3  4004 TSS      ENGL    0.0003    DIV  RCHRES 420     INFLOW ISED   3
WDM3  4010 DOX      ENGL              DIV  RCHRES 420     INFLOW OXIF   1
WDM3  4008 BODU     ENGL              DIV  RCHRES 420     INFLOW OXIF   2
WDM3  4016 NO3      ENGL              DIV  RCHRES 420     INFLOW NUIF1  1
WDM3  4012 NH3      ENGL              DIV  RCHRES 420     INFLOW NUIF1  2
WDM3  4022 PO4      ENGL              DIV  RCHRES 420     INFLOW NUIF1  4
WDM3  4018 ORGN     ENGL              DIV  RCHRES 420     INFLOW PKIF   3
WDM3  4024 ORGP     ENGL              DIV  RCHRES 420     INFLOW PKIF   4
WDM3  4013 ORGC     ENGL              DIV  RCHRES 420     INFLOW PKIF   5
*** Stilwell WWTP
WDM3  8001 FLOW     ENGL    3.0689    DIV  RCHRES 902     INFLOW IVOL
WDM3  8002 HEAT     ENGL    1.0       DIV  RCHRES 902     INFLOW IHEAT
WDM3  8004 TSS      ENGL    0.0002    DIV  RCHRES 902     INFLOW ISED   2
WDM3  8004 TSS      ENGL    0.0003    DIV  RCHRES 902     INFLOW ISED   3
WDM3  8010 DOX      ENGL              DIV  RCHRES 902     INFLOW OXIF   1
WDM3  8008 BODU     ENGL              DIV  RCHRES 902     INFLOW OXIF   2
WDM3  8016 NO3      ENGL              DIV  RCHRES 902     INFLOW NUIF1  1
WDM3  8012 NH3      ENGL              DIV  RCHRES 902     INFLOW NUIF1  2
WDM3  8022 PO4      ENGL              DIV  RCHRES 902     INFLOW NUIF1  4
WDM3  8018 ORGN     ENGL              DIV  RCHRES 902     INFLOW PKIF   3
WDM3  8024 ORGP     ENGL              DIV  RCHRES 902     INFLOW PKIF   4
WDM3  8013 ORGC     ENGL              DIV  RCHRES 902     INFLOW PKIF   5
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*** Westville WWTP
WDM3  7001 FLOW     ENGL    3.0689    DIV  RCHRES 725     INFLOW IVOL
WDM3  7002 HEAT     ENGL    1.0       DIV  RCHRES 725     INFLOW IHEAT
WDM3  7004 TSS      ENGL    0.0002    DIV  RCHRES 725     INFLOW ISED   2
WDM3  7004 TSS      ENGL    0.0003    DIV  RCHRES 725     INFLOW ISED   3
WDM3  7010 DOX      ENGL              DIV  RCHRES 725     INFLOW OXIF   1
WDM3  7008 BODU     ENGL              DIV  RCHRES 725     INFLOW OXIF   2
WDM3  7016 NO3      ENGL              DIV  RCHRES 725     INFLOW NUIF1  1
WDM3  7012 NH3      ENGL              DIV  RCHRES 725     INFLOW NUIF1  2
WDM3  7022 PO4      ENGL              DIV  RCHRES 725     INFLOW NUIF1  4
WDM3  7018 ORGN     ENGL              DIV  RCHRES 725     INFLOW PKIF   3
WDM3  7024 ORGP     ENGL              DIV  RCHRES 725     INFLOW PKIF   4
WDM3  7013 ORGC     ENGL              DIV  RCHRES 725     INFLOW PKIF   5
*** NACA
WDM3   601 FLOW     ENGL    3.0689    DIV  RCHRES 324     INFLOW IVOL
WDM3   602 HEAT     ENGL    1.0       DIV  RCHRES 324     INFLOW IHEAT
WDM3   604 TSS      ENGL    0.0002    DIV  RCHRES 324     INFLOW ISED   2
WDM3   604 TSS      ENGL    0.0003    DIV  RCHRES 324     INFLOW ISED   3
WDM3   610 DOX      ENGL              DIV  RCHRES 324     INFLOW OXIF   1
WDM3   608 BODU     ENGL              DIV  RCHRES 324     INFLOW OXIF   2
WDM3   616 NO3      ENGL              DIV  RCHRES 324     INFLOW NUIF1  1
WDM3   612 NH3      ENGL              DIV  RCHRES 324     INFLOW NUIF1  2
WDM3   622 PO4      ENGL              DIV  RCHRES 324     INFLOW NUIF1  4
WDM3   618 ORGN     ENGL              DIV  RCHRES 324     INFLOW PKIF   3
WDM3   624 ORGP     ENGL              DIV  RCHRES 324     INFLOW PKIF   4
WDM3   613 ORGC     ENGL              DIV  RCHRES 324     INFLOW PKIF   5

*** Atmospheric Deposition

*** wet atmospheric deposition at station AR27
*** monthly concentrations are mg/L as NO3 and NH4
*** convert mg/L to lbs/ft3 (factor = 6.2427E-5)
*** convert NO3 to N (factor = 0.22590)
*** convert NH4 to N (factor = 0.77648)

*** convert mg-NH4/L to lbs-N/ft3 for input to PERLND PQUAL
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND  21     EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND  25  30 EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND  41     EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND  45  50 EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND  61     EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND  65  70 EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND  81     EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND  85  90 EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND 101     EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND 105 110 EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND 121     EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND 125 130 EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND 141     EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND 145 150 EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND 161     EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND 165 170 EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND 181     EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND 185 190 EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND 201     EXTNL  PQADCN 1 1
WDM1  3001 NH4W     ENGL    0.00004855SAME PERLND 205 210 EXTNL  PQADCN 1 1
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WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 221     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 225 230 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 241     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 245 250 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 261     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 265 270 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 281     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 285 290 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 301     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 305 310 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 321     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 325 330 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 341     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 345 350 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 361     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 365 370 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 381     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 385 390 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 401     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 405 410 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 421     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 425 430 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 441     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 445 450 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 461     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 465 470 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 481     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 485 490 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 501     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 505 510 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 521     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 525 530 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 541     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 545 550 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 561     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 565 570 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 581     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 585 590 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 601     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 605 610 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 621     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 625 630 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 641     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 645 650 EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 661     EXTNL  PQADCN 1 1
WDM1  3001 NH4W    ENGL   0.00004855SAME PERLND 665 670 EXTNL  PQADCN 1 1

*** convert mg-NO3/L to lbs-N/ft3 for input to PERLND PQUAL
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND  21     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND  25  30 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND  41     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND  45  50 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND  61     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND  65  70 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND  81     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND  85  90 EXTNL  PQADCN 2 1
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WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 101     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 105 110 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 121     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 125 130 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 141     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 145 150 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 161     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 165 170 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 181     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 185 190 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 201     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 205 210 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 221     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 225 230 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 241     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 245 250 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 261     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 265 270 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 281     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 285 290 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 301     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 305 310 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 321     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 325 330 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 341     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 345 350 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 361     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 365 370 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 381     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 385 390 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 401     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 405 410 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 421     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 425 430 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 441     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 445 450 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 461     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 465 470 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 481     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 485 490 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 501     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 505 510 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 521     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 525 530 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 541     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 545 550 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 561     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 565 570 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 581     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 585 590 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 601     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 605 610 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 621     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 625 630 EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 641     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 645 650 EXTNL  PQADCN 2 1
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WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 661     EXTNL  PQADCN 2 1
WDM1  3002 NO3W    ENGL   0.00001410SAME PERLND 665 670 EXTNL  PQADCN 2 1

*** convert mg-NH4/L to mg-N/L for input to PERLND NITR
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND  22  24 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND  32     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND  42  44 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND  52     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND  62  64 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND  72     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND  82  84 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND  92     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 102 104 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 112     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 122 124 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 132     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 142 144 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 152     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 162 164 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 172     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 182 184 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 192     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 202 204 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 212     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 222 224 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 232     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 242 244 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 252     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 262 264 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 272     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 282 284 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 292     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 302 304 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 312     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 322 324 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 332     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 342 344 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 352     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 362 364 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 372     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 382 384 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 392     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 402 404 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 412     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 422 424 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 432     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 442 444 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 452     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 462 464 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 472     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 482 484 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 492     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 502 504 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 512     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 522 524 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL    0.77648 SAME PERLND 532     EXTNL  NIADCN 2 1
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WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 542 544 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 552     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 562 564 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 572     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 582 584 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 592     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 602 604 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 612     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 622 624 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 632     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 642 644 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 652     EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 662 664 EXTNL  NIADCN 2 1
WDM1  3001 NH4W    ENGL     0.77648 SAME PERLND 672     EXTNL  NIADCN 2 1

*** convert mg-NO3/L to mg-N/L for input to PERLND NITR
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND  22  24 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND  32     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND  42  44 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND  52     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND  62  64 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND  72     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND  82  84 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND  92     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 102 104 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 112     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 122 124 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 132     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 142 144 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 152     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 162 164 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 172     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 182 184 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 192     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 202 204 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 212     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 222 224 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 232     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 242 244 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 252     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 262 264 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 272     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 282 284 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 292     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 302 304 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 312     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 322 324 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 332     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 342 344 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 352     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 362 364 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 372     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 382 384 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 392     EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 402 404 EXTNL  NIADCN 1 1
WDM1  3002 NO3W    ENGL     0.22590 SAME PERLND 412     EXTNL  NIADCN 1 1
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WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 422 424 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 432     EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 442 444 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 452     EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 462 464 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 472     EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 482 484 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 492     EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 502 504 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 512     EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 522 524 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 532     EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 542 544 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 552     EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 562 564 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 572     EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 582 584 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 592     EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 602 604 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 612     EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 622 624 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 632     EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 642 644 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 652     EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 662 664 EXTNL  NIADCN 1 1
WDM1  3002 NO3W     ENGL      0.22590 SAME PERLND 672     EXTNL  NIADCN 1 1
*** convert mg-NH4/L and mg-NO3/L to lbs-N/ft3 for input to IMPLND IQUAL
WDM1  3001 NH4W     ENGL    0.00004855SAME IMPLND  26 668 EXTNL  IQADCN 1 1
WDM1  3002 NO3W     ENGL    0.00001410SAME IMPLND  26 668 EXTNL  IQADCN 2 1
*** convert mg-NH4/L and mg-NO3/L to mg-N/L for input to RCHRES NUTRX
WDM1  3001 NH4W     ENGL      0.77648 SAME RCHRES 100 938 EXTNL  NUADCN 2 1
WDM1  3002 NO3W     ENGL      0.22590 SAME RCHRES 100 938 EXTNL  NUADCN 1 1

***Dry atmospheric deposition at station CAD150
***Quarterly data disaggregated to monthly with units of kg/ha as NO3 and NH4
*** convert kg/ha to lbs/ac (factor = 0.89215)
*** convert NO3 to N (factor = 0.22590)
*** convert NH4 to N (factor = 0.77648)

WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND  21     EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND  25  30 EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND  41     EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND  45  50 EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND  61     EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND  65  70 EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND  81     EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND  85  90 EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND 101     EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND 105 110 EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND 121     EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND 125 130 EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND 141     EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND 145 150 EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND 161     EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND 165 170 EXTNL  PQADFX 1 1
WDM1  3005 NH4D     ENGL      0.69274 DIV  PERLND 181     EXTNL  PQADFX 1 1
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WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 185 190 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 201     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 205 210 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 221     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 225 230 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 241     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 245 250 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 261     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 265 270 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 281     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 285 290 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 301     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 305 310 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 321     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 325 330 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 341     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 345 350 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 361     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 365 370 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 381     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 385 390 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 401     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 405 410 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 421     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 425 430 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 441     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 445 450 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 461     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 465 470 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 481     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 485 490 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 501     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 505 510 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 521     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 525 530 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 541     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 545 550 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 561     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 565 570 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 581     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 585 590 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 601     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 605 610 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 621     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 625 630 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 641     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 645 650 EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 661     EXTNL  PQADFX 1 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 665 670 EXTNL  PQADFX 1 1

WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  21     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  25  30 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  41     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  45  50 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  61     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  65  70 EXTNL  PQADFX 2 1
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WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  81     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  85  90 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 101     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 105 110 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 121     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 125 130 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 141     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 145 150 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 161     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 165 170 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 181     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 185 190 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 201     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 205 210 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 221     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 225 230 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 241     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 245 250 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 261     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 265 270 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 281     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 285 290 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 301     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 305 310 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 321     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 325 330 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 341     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 345 350 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 361     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 365 370 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 381     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 385 390 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 401     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 405 410 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 421     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 425 430 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 441     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 445 450 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 461     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 465 470 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 481     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 485 490 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 501     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 505 510 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 521     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 525 530 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 541     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 545 550 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 561     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 565 570 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 581     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 585 590 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 601     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 605 610 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 621     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 625 630 EXTNL  PQADFX 2 1
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WDM1  3006 NO3D    ENGL     0.20154 DIV  PERLND 641     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL     0.20154 DIV  PERLND 645 650 EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL     0.20154 DIV  PERLND 661     EXTNL  PQADFX 2 1
WDM1  3006 NO3D    ENGL     0.20154 DIV  PERLND 665 670 EXTNL  PQADFX 2 1

WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND  22  24 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND  32     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND  42  44 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND  52     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND  62  64 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND  72     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND  82  84 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND  92     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 102 104 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 112     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 122 124 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 132     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 142 144 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 152     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 162 164 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 172     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 182 184 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 192     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 202 204 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 212     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 222 224 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 232     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 242 244 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 252     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 262 264 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 272     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 282 284 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 292     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 302 304 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 312     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 322 324 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 332     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 342 344 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 352     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 362 364 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 372     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 382 384 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 392     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 402 404 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 412     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 422 424 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 432     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 442 444 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 452     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 462 464 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 472     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 482 484 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 492     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 502 504 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 512     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL     0.69274 DIV  PERLND 522 524 EXTNL  NIADFX 2 1
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WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 532     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 542 544 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 552     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 562 564 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 572     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 582 584 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 592     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 602 604 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 612     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 622 624 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 632     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 642 644 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 652     EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 662 664 EXTNL  NIADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  PERLND 672     EXTNL  NIADFX 2 1

WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  22  24 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  32     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  42  44 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  52     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  62  64 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  72     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  82  84 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND  92     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 102 104 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 112     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 122 124 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 132     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 142 144 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 152     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 162 164 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 172     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 182 184 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 192     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 202 204 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 212     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 222 224 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 232     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 242 244 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 252     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 262 264 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 272     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 282 284 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 292     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 302 304 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 312     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 322 324 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 332     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 342 344 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 352     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 362 364 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 372     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 382 384 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 392     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 402 404 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 412     EXTNL  NIADFX 1 1
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WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 422 424 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 432     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 442 444 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 452     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 462 464 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 472     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 482 484 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 492     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 502 504 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 512     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 522 524 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 532     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 542 544 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 552     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 562 564 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 572     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 582 584 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 592     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 602 604 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 612     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 622 624 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 632     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 642 644 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 652     EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 662 664 EXTNL  NIADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  PERLND 672     EXTNL  NIADFX 1 1

WDM1  3005 NH4D    ENGL    0.69274 DIV  IMPLND  26 668 EXTNL  IQADFX 1 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  IMPLND  26 668 EXTNL  IQADFX 2 1
WDM1  3005 NH4D    ENGL    0.69274 DIV  RCHRES 100 938 EXTNL  NUADFX 2 1
WDM1  3006 NO3D    ENGL    0.20154 DIV  RCHRES 100 938 EXTNL  NUADFX 1 1

*** Manure addition to pasture every timestep from March 1 to Nov 30.
*** Use daily time series of value 1.0 (3/1-11/30) and 0.0 (12/1-2/28) and
*** atmospheric deposition method to add nutrients to surface and upper layers.
*** Use average of Dairy and Beef manure fractions from SWAT:
*** MinN = 0.0085, MinP = 0.0045, OrgN = 0.0305, OrgP = 0.005, NH3/MinN = 0.99
*** NH3 = 0.00842, NO3 = 0.000085,
*** 5.99 kg/ha/day of manure from Saraswat IRW model - based on cattle populations.
*** Convert to lb/ac/day nutrients:
*** NO3 =  0.000454 lb/ac/day (divided between surface & upper)
*** NH3 =  0.0450   lb/ac/day (divided between surface & upper)
*** OrgN = 0.163    lb/ac/day (divided between surface & upper)
*** PO4 =  0.0240   lb/ac/day (divided between surface & upper)
*** OrgP = 0.0267   lb/ac/day (divided between surface & upper)
*** run 32 - change 50-50 to 70-30
WDM1  3010 MANU    ENGL   0.000318  DIV  PERLND  22 672 EXTNL  NIADFX 1 1
WDM1  3010 MANU    ENGL   0.000136  DIV  PERLND  22 672 EXTNL  NIADFX 1 2
WDM1  3010 MANU    ENGL     0.0315  DIV  PERLND  22 672 EXTNL  NIADFX 2 1
WDM1  3010 MANU    ENGL     0.0135  DIV  PERLND  22 672 EXTNL  NIADFX 2 2
WDM1  3010 MANU    ENGL     0.1141  DIV  PERLND  22 672 EXTNL  NIADFX 3 1
WDM1  3010 MANU    ENGL     0.0489  DIV  PERLND  22 672 EXTNL  NIADFX 3 2
WDM1  3010 MANU    ENGL     0.0168  DIV  PERLND  22 672 EXTNL  PHADFX 1 1
WDM1  3010 MANU    ENGL     0.0072  DIV  PERLND  22 672 EXTNL  PHADFX 1 2
WDM1  3010 MANU    ENGL     0.0187  DIV  PERLND  22 672 EXTNL  PHADFX 2 1
WDM1  3010 MANU    ENGL     0.0080  DIV  PERLND  22 672 EXTNL  PHADFX 2 2
```

```
*** add 25 cfs to rch 304 and 308 to make up 50 cfs at 316
*** add 10 cfs to rch 150
*** 1 ac-ft/hr = 12.1 cfs; 1 cfs = 0.082644 ac-ft/hr
*** deleted these "baseflow" additions starting in run #31
*** EDIT TAS 07/06/2016 Additions to rch 304, 308, and 150 are added back in.
WDM1  3012 ONE     ENGL     2.0661  SAME RCHRES 304     EXTNL  IVOL
WDM1  3012 ONE     ENGL     2.0661  SAME RCHRES 308     EXTNL  IVOL
WDM1  3012 ONE     ENGL     0.8264  SAME RCHRES 150     EXTNL  IVOL
END EXT SOURCES


GENER
  OPCODE
  GENER-opn***
   #thru#  OP- ***
         CODE ***
  800  801   19
  END OPCODE

  PARM
*** x -  x        K
  802          32.0
  END PARM

END GENER

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   x       <Name> x x<-factor->strg <Name>   x   x       <Name> x x  ***
***RCHRES 130 ROFLOW ROVOL  1 1 0.0002968     COPY     1     INPUT  MEAN   9
***RCHRES 104 ROFLOW ROVOL  1 1 1.0603e-3     COPY     1     INPUT  MEAN   9

***Operations to add the flow from RCHRES 900, 914, and 916
RCHRES 900 HYDR   ROVOL  1 1             COPY   800     INPUT  MEAN   1
RCHRES 914 HYDR   ROVOL  1 1             COPY   800     INPUT  MEAN   1
RCHRES 916 HYDR   ROVOL  1 1             COPY   800     INPUT  MEAN   1

***Operations to add the sediment load from RCHRES 900, 914, and 916
RCHRES 900 SEDTRN ROSED  4 1             COPY   800     INPUT  MEAN   2
RCHRES 914 SEDTRN ROSED  4 1             COPY   800     INPUT  MEAN   2
RCHRES 916 SEDTRN ROSED  4 1             COPY   800     INPUT  MEAN   2

***Operations to add the heat load from RCHRES 900, 914, and 916
RCHRES 900 HTRCH  ROHEAT 1 1             COPY   800     INPUT  MEAN   3
RCHRES 914 HTRCH  ROHEAT 1 1             COPY   800     INPUT  MEAN   3
RCHRES 916 HTRCH  ROHEAT 1 1             COPY   800     INPUT  MEAN   3

***Operation to get the composite concentration from the two time series above
***Multiplication factor converts t/ac-ft to mg/l
COPY   800 OUTPUT MEAN   2 1    735.48     GENER  800     INPUT  ONE
COPY   800 OUTPUT MEAN   1 1              GENER  800     INPUT  TWO

***Operation to get the composite temperature (in C) from the combo of 900, 914, and 916
COPY   800 OUTPUT MEAN   3 1   2.04e-7     GENER  801     INPUT  ONE
COPY   800 OUTPUT MEAN   1 1              GENER  801     INPUT  TWO
***Adding 32 and multipliying 1.8 to convert temperature to F
```

```
GENER  801 OUTPUT TIMSER 1 1    1.8       GENER  802     INPUT  ONE
END NETWORK

SCHEMATIC
<-Volume->              <--Area-->     <-Volume->  <ML#> ***       <sb>
<Name>   x              <-factor->     <Name>   x        ***       x x
PERLND  21                 5850.9     RCHRES 100      2
PERLND  22                  592.3     RCHRES 100      5
PERLND  23                  532.8     RCHRES 100      5
PERLND  24                 2200.0     RCHRES 100      5
PERLND  25                  317.4     RCHRES 100      2
PERLND  26                  428.7     RCHRES 100      2
IMPLND  26                    8.7     RCHRES 100      1
PERLND  27                   15.8     RCHRES 100      2
IMPLND  27                    0.3     RCHRES 100      1
PERLND  28                   13.1     RCHRES 100      2
IMPLND  28                    8.7     RCHRES 100      1
PERLND  29                    4.5     RCHRES 100      2
PERLND  30                   11.1     RCHRES 100      2
PERLND  32                  237.6     RCHRES 100      5
PERLND 181                 1348.2     RCHRES 101      2
PERLND 182                  543.7     RCHRES 101      5
PERLND 183                  219.9     RCHRES 101      5
PERLND 184                  334.5     RCHRES 101      5
PERLND 185                   32.5     RCHRES 101      2
PERLND 186                  349.9     RCHRES 101      2
IMPLND 186                    7.1     RCHRES 101      1
PERLND 187                  413.3     RCHRES 101      2
IMPLND 187                    8.4     RCHRES 101      1
PERLND 188                  114.5     RCHRES 101      2
IMPLND 188                   76.3     RCHRES 101      1
PERLND 189                    9.3     RCHRES 101      2
PERLND 192                   42.2     RCHRES 101      5
PERLND 181                  132.0     RCHRES 102      2
PERLND 182                  664.4     RCHRES 102      5
PERLND 183                  193.8     RCHRES 102      5
PERLND 184                  120.2     RCHRES 102      5
PERLND 186                  150.0     RCHRES 102      2
IMPLND 186                    3.1     RCHRES 102      1
PERLND 187                   33.4     RCHRES 102      2
IMPLND 187                    0.7     RCHRES 102      1
PERLND 188                   15.9     RCHRES 102      2
IMPLND 188                   10.6     RCHRES 102      1
PERLND 190                   10.2     RCHRES 102      2
PERLND 192                   51.5     RCHRES 102      5
RCHRES 101                            RCHRES 104      3
RCHRES 102                            RCHRES 104      3
PERLND 181                 1075.0     RCHRES 104      2
PERLND 182                 1989.3     RCHRES 104      5
PERLND 183                  796.5     RCHRES 104      5
PERLND 184                 1207.1     RCHRES 104      5
PERLND 185                   41.4     RCHRES 104      2
PERLND 186                  488.6     RCHRES 104      2
IMPLND 186                   10.0     RCHRES 104      1
PERLND 187                  394.1     RCHRES 104      2
IMPLND 187                    8.0     RCHRES 104      1
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| | | | |
|---|---|---|---|
| PERLND 188 | 148.0 | RCHRES 104 | 2 |
| IMPLND 188 | 98.7 | RCHRES 104 | 1 |
| PERLND 189 | 20.2 | RCHRES 104 | 2 |
| PERLND 192 | 154.2 | RCHRES 104 | 5 |
| PERLND 21 | 2975.8 | RCHRES 108 | 2 |
| PERLND 22 | 356.0 | RCHRES 108 | 5 |
| PERLND 23 | 354.4 | RCHRES 108 | 5 |
| PERLND 24 | 1264.8 | RCHRES 108 | 5 |
| PERLND 25 | 113.4 | RCHRES 108 | 2 |
| PERLND 26 | 188.4 | RCHRES 108 | 2 |
| IMPLND 26 | 3.8 | RCHRES 108 | 1 |
| PERLND 27 | 16.7 | RCHRES 108 | 2 |
| IMPLND 27 | 0.3 | RCHRES 108 | 1 |
| PERLND 28 | 31.1 | RCHRES 108 | 2 |
| IMPLND 28 | 20.7 | RCHRES 108 | 1 |
| PERLND 29 | 4.5 | RCHRES 108 | 2 |
| PERLND 30 | 6.5 | RCHRES 108 | 2 |
| PERLND 32 | 142.8 | RCHRES 108 | 5 |
| PERLND 21 | 4147.3 | RCHRES 110 | 2 |
| PERLND 22 | 759.3 | RCHRES 110 | 5 |
| PERLND 23 | 590.2 | RCHRES 110 | 5 |
| PERLND 24 | 1616.1 | RCHRES 110 | 5 |
| PERLND 25 | 145.2 | RCHRES 110 | 2 |
| PERLND 26 | 323.0 | RCHRES 110 | 2 |
| IMPLND 26 | 6.6 | RCHRES 110 | 1 |
| PERLND 27 | 12.7 | RCHRES 110 | 2 |
| IMPLND 27 | 0.3 | RCHRES 110 | 1 |
| PERLND 28 | 3.1 | RCHRES 110 | 2 |
| IMPLND 28 | 2.0 | RCHRES 110 | 1 |
| PERLND 29 | 47.2 | RCHRES 110 | 2 |
| PERLND 32 | 304.5 | RCHRES 110 | 5 |
| RCHRES 100 | | RCHRES 110 | 3 |
| RCHRES 108 | | RCHRES 120 | 3 |
| RCHRES 110 | | RCHRES 120 | 3 |
| PERLND 181 | 3083.8 | RCHRES 120 | 2 |
| PERLND 182 | 3662.4 | RCHRES 120 | 5 |
| PERLND 183 | 1042.7 | RCHRES 120 | 5 |
| PERLND 184 | 1453.7 | RCHRES 120 | 5 |
| PERLND 185 | 92.3 | RCHRES 120 | 2 |
| PERLND 186 | 898.5 | RCHRES 120 | 2 |
| IMPLND 186 | 18.3 | RCHRES 120 | 1 |
| PERLND 187 | 176.0 | RCHRES 120 | 2 |
| IMPLND 187 | 3.6 | RCHRES 120 | 1 |
| PERLND 188 | 45.4 | RCHRES 120 | 2 |
| IMPLND 188 | 30.3 | RCHRES 120 | 1 |
| PERLND 189 | 93.4 | RCHRES 120 | 2 |
| PERLND 192 | 283.9 | RCHRES 120 | 5 |
| RCHRES 120 | | RCHRES 130 | 3 |
| PERLND 181 | 756.4 | RCHRES 130 | 2 |
| PERLND 182 | 2425.6 | RCHRES 130 | 5 |
| PERLND 183 | 984.9 | RCHRES 130 | 5 |
| PERLND 184 | 1047.0 | RCHRES 130 | 5 |
| PERLND 185 | 28.3 | RCHRES 130 | 2 |
| PERLND 186 | 294.3 | RCHRES 130 | 2 |
| IMPLND 186 | 6.0 | RCHRES 130 | 1 |
| PERLND 187 | 37.3 | RCHRES 130 | 2 |

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|---|---|---|---|
| IMPLND 187 | 0.8 | RCHRES 130 | 1 |
| PERLND 188 | 13.1 | RCHRES 130 | 2 |
| IMPLND 188 | 8.7 | RCHRES 130 | 1 |
| PERLND 189 | 72.8 | RCHRES 130 | 2 |
| PERLND 192 | 188.0 | RCHRES 130 | 5 |
| RCHRES 104 | | RCHRES 140 | 3 |
| RCHRES 130 | | RCHRES 140 | 3 |
| PERLND 281 | 1598.1 | RCHRES 140 | 2 |
| PERLND 282 | 713.7 | RCHRES 140 | 5 |
| PERLND 283 | 213.8 | RCHRES 140 | 5 |
| PERLND 284 | 627.2 | RCHRES 140 | 5 |
| PERLND 285 | 117.3 | RCHRES 140 | 2 |
| PERLND 286 | 175.3 | RCHRES 140 | 2 |
| IMPLND 286 | 3.6 | RCHRES 140 | 1 |
| PERLND 287 | 16.2 | RCHRES 140 | 2 |
| IMPLND 287 | 0.3 | RCHRES 140 | 1 |
| PERLND 288 | 3.2 | RCHRES 140 | 2 |
| IMPLND 288 | 2.1 | RCHRES 140 | 1 |
| PERLND 289 | 44.4 | RCHRES 140 | 2 |
| PERLND 292 | 17.4 | RCHRES 140 | 5 |
| RCHRES 140 | | RCHRES 150 | 3 |
| PERLND 281 | 912.6 | RCHRES 150 | 2 |
| PERLND 282 | 306.2 | RCHRES 150 | 5 |
| PERLND 283 | 73.9 | RCHRES 150 | 5 |
| PERLND 284 | 336.8 | RCHRES 150 | 5 |
| PERLND 285 | 88.2 | RCHRES 150 | 2 |
| PERLND 286 | 94.2 | RCHRES 150 | 2 |
| IMPLND 286 | 1.9 | RCHRES 150 | 1 |
| PERLND 287 | 7.4 | RCHRES 150 | 2 |
| IMPLND 287 | 0.2 | RCHRES 150 | 1 |
| PERLND 289 | 56.6 | RCHRES 150 | 2 |
| PERLND 292 | 7.5 | RCHRES 150 | 5 |
| RCHRES 416 | | RCHRES 150 | 3 |
| RCHRES 420 | | RCHRES 150 | 3 |
| RCHRES 150 | | RCHRES 160 | 3 |
| RCHRES 216 | | RCHRES 160 | 3 |
| PERLND 281 | 7048.0 | RCHRES 160 | 2 |
| PERLND 282 | 1135.1 | RCHRES 160 | 5 |
| PERLND 283 | 359.7 | RCHRES 160 | 5 |
| PERLND 284 | 2100.3 | RCHRES 160 | 5 |
| PERLND 285 | 305.2 | RCHRES 160 | 2 |
| PERLND 286 | 385.5 | RCHRES 160 | 2 |
| IMPLND 286 | 7.9 | RCHRES 160 | 1 |
| PERLND 287 | 77.5 | RCHRES 160 | 2 |
| IMPLND 287 | 1.6 | RCHRES 160 | 1 |
| PERLND 288 | 22.5 | RCHRES 160 | 2 |
| IMPLND 288 | 15.0 | RCHRES 160 | 1 |
| PERLND 289 | 263.9 | RCHRES 160 | 2 |
| PERLND 290 | 10.2 | RCHRES 160 | 2 |
| PERLND 292 | 27.6 | RCHRES 160 | 5 |
| PERLND 241 | 479.7 | RCHRES 202 | 2 |
| PERLND 242 | 511.6 | RCHRES 202 | 5 |
| PERLND 243 | 386.6 | RCHRES 202 | 5 |
| PERLND 244 | 1322.2 | RCHRES 202 | 5 |
| PERLND 245 | 92.5 | RCHRES 202 | 2 |
| PERLND 246 | 571.2 | RCHRES 202 | 2 |

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|---|---|---|---|
| IMPLND 246 | 11.7 | RCHRES 202 | 1 |
| PERLND 247 | 813.4 | RCHRES 202 | 2 |
| IMPLND 247 | 16.6 | RCHRES 202 | 1 |
| PERLND 248 | 453.6 | RCHRES 202 | 2 |
| IMPLND 248 | 302.4 | RCHRES 202 | 1 |
| PERLND 249 | 21.4 | RCHRES 202 | 2 |
| PERLND 252 | 717.2 | RCHRES 202 | 5 |
| PERLND 361 | 1808.9 | RCHRES 204 | 2 |
| PERLND 362 | 672.3 | RCHRES 204 | 5 |
| PERLND 363 | 463.2 | RCHRES 204 | 5 |
| PERLND 364 | 1087.2 | RCHRES 204 | 5 |
| PERLND 365 | 39.1 | RCHRES 204 | 2 |
| PERLND 366 | 2427.8 | RCHRES 204 | 2 |
| IMPLND 366 | 49.5 | RCHRES 204 | 1 |
| PERLND 367 | 2615.2 | RCHRES 204 | 2 |
| IMPLND 367 | 53.4 | RCHRES 204 | 1 |
| PERLND 368 | 885.9 | RCHRES 204 | 2 |
| IMPLND 368 | 590.6 | RCHRES 204 | 1 |
| PERLND 369 | 14.0 | RCHRES 204 | 2 |
| PERLND 370 | 6.9 | RCHRES 204 | 2 |
| PERLND 372 | 0.0 | RCHRES 204 | 5 |
| RCHRES 202 | | RCHRES 206 | 3 |
| RCHRES 204 | | RCHRES 206 | 3 |
| PERLND 241 | 2381.7 | RCHRES 206 | 2 |
| PERLND 242 | 249.8 | RCHRES 206 | 5 |
| PERLND 243 | 241.9 | RCHRES 206 | 5 |
| PERLND 244 | 1716.9 | RCHRES 206 | 5 |
| PERLND 245 | 240.8 | RCHRES 206 | 2 |
| PERLND 246 | 1059.9 | RCHRES 206 | 2 |
| IMPLND 246 | 21.6 | RCHRES 206 | 1 |
| PERLND 247 | 1286.7 | RCHRES 206 | 2 |
| IMPLND 247 | 26.3 | RCHRES 206 | 1 |
| PERLND 248 | 590.2 | RCHRES 206 | 2 |
| IMPLND 248 | 393.4 | RCHRES 206 | 1 |
| PERLND 249 | 4.0 | RCHRES 206 | 2 |
| PERLND 250 | 21.6 | RCHRES 206 | 2 |
| PERLND 252 | 350.3 | RCHRES 206 | 5 |
| PERLND 261 | 782.6 | RCHRES 208 | 2 |
| PERLND 262 | 375.8 | RCHRES 208 | 5 |
| PERLND 263 | 445.0 | RCHRES 208 | 5 |
| PERLND 264 | 2318.8 | RCHRES 208 | 5 |
| PERLND 265 | 37.1 | RCHRES 208 | 2 |
| PERLND 266 | 406.8 | RCHRES 208 | 2 |
| IMPLND 266 | 8.3 | RCHRES 208 | 1 |
| PERLND 267 | 211.4 | RCHRES 208 | 2 |
| IMPLND 267 | 4.3 | RCHRES 208 | 1 |
| PERLND 268 | 92.1 | RCHRES 208 | 2 |
| IMPLND 268 | 61.4 | RCHRES 208 | 1 |
| PERLND 270 | 0 | RCHRES 208 | 2 |
| PERLND 272 | 805.0 | RCHRES 208 | 5 |
| RCHRES 206 | | RCHRES 212 | 3 |
| RCHRES 208 | | RCHRES 212 | 3 |
| PERLND 261 | 1842.0 | RCHRES 212 | 2 |
| PERLND 262 | 196.4 | RCHRES 212 | 5 |
| PERLND 263 | 301.0 | RCHRES 212 | 5 |
| PERLND 264 | 1387.2 | RCHRES 212 | 5 |

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|---|---|---|---|
| PERLND 265 | 273.9 | RCHRES 212 | 2 |
| PERLND 266 | 285.9 | RCHRES 212 | 2 |
| IMPLND 266 | 5.8 | RCHRES 212 | 1 |
| PERLND 267 | 23.4 | RCHRES 212 | 2 |
| IMPLND 267 | 0.5 | RCHRES 212 | 1 |
| PERLND 268 | 7.9 | RCHRES 212 | 2 |
| IMPLND 268 | 5.3 | RCHRES 212 | 1 |
| PERLND 269 | 0.1 | RCHRES 212 | 2 |
| PERLND 272 | 420.8 | RCHRES 212 | 5 |
| PERLND 341 | 2535.3 | RCHRES 214 | 2 |
| PERLND 342 | 1511.8 | RCHRES 214 | 5 |
| PERLND 343 | 583.4 | RCHRES 214 | 5 |
| PERLND 344 | 1302.1 | RCHRES 214 | 5 |
| PERLND 345 | 259.3 | RCHRES 214 | 2 |
| PERLND 346 | 1171.0 | RCHRES 214 | 2 |
| IMPLND 346 | 23.9 | RCHRES 214 | 1 |
| PERLND 347 | 1282.6 | RCHRES 214 | 2 |
| IMPLND 347 | 26.2 | RCHRES 214 | 1 |
| PERLND 348 | 431.3 | RCHRES 214 | 2 |
| IMPLND 348 | 287.5 | RCHRES 214 | 1 |
| PERLND 349 | 15.8 | RCHRES 214 | 2 |
| PERLND 350 | 33.6 | RCHRES 214 | 2 |
| PERLND 352 | 19.9 | RCHRES 214 | 5 |
| RCHRES 212 | | RCHRES 216 | 3 |
| RCHRES 214 | | RCHRES 216 | 3 |
| PERLND 261 | 2427.1 | RCHRES 216 | 2 |
| PERLND 262 | 107.6 | RCHRES 216 | 5 |
| PERLND 263 | 125.8 | RCHRES 216 | 5 |
| PERLND 264 | 824.9 | RCHRES 216 | 5 |
| PERLND 265 | 176.2 | RCHRES 216 | 2 |
| PERLND 266 | 254.7 | RCHRES 216 | 2 |
| IMPLND 266 | 5.2 | RCHRES 216 | 1 |
| PERLND 267 | 6.2 | RCHRES 216 | 2 |
| IMPLND 267 | 0.1 | RCHRES 216 | 1 |
| PERLND 268 | 0.4 | RCHRES 216 | 2 |
| IMPLND 268 | 0.2 | RCHRES 216 | 1 |
| PERLND 269 | 25.2 | RCHRES 216 | 2 |
| PERLND 272 | 230.5 | RCHRES 216 | 5 |
| PERLND 461 | 1043.2 | RCHRES 302 | 2 |
| PERLND 462 | 2893.3 | RCHRES 302 | 5 |
| PERLND 463 | 666.1 | RCHRES 302 | 5 |
| PERLND 464 | 1984.4 | RCHRES 302 | 5 |
| PERLND 465 | 248.6 | RCHRES 302 | 2 |
| PERLND 466 | 3013.1 | RCHRES 302 | 2 |
| IMPLND 466 | 61.5 | RCHRES 302 | 1 |
| PERLND 467 | 4624.1 | RCHRES 302 | 2 |
| IMPLND 467 | 94.4 | RCHRES 302 | 1 |
| PERLND 468 | 2620.2 | RCHRES 302 | 2 |
| IMPLND 468 | 1746.8 | RCHRES 302 | 1 |
| PERLND 469 | 23.1 | RCHRES 302 | 2 |
| PERLND 470 | 49.6 | RCHRES 302 | 2 |
| PERLND 472 | 0.0 | RCHRES 302 | 5 |
| RCHRES 302 | | RCHRES 304 | 3 |
| PERLND 461 | 1168.9 | RCHRES 304 | 2 |
| PERLND 462 | 1698.8 | RCHRES 304 | 5 |
| PERLND 463 | 491.7 | RCHRES 304 | 5 |

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| PERLND 464 | 2222.2 | RCHRES 304 | 5 |
| PERLND 465 | 39.6 | RCHRES 304 | 2 |
| PERLND 466 | 1315.6 | RCHRES 304 | 2 |
| IMPLND 466 | 26.8 | RCHRES 304 | 1 |
| PERLND 467 | 633.7 | RCHRES 304 | 2 |
| IMPLND 467 | 12.9 | RCHRES 304 | 1 |
| PERLND 468 | 169.4 | RCHRES 304 | 2 |
| IMPLND 468 | 112.9 | RCHRES 304 | 1 |
| PERLND 469 | 22.9 | RCHRES 304 | 2 |
| PERLND 472 | 0.0 | RCHRES 304 | 5 |
| PERLND 381 | 561.7 | RCHRES 306 | 2 |
| PERLND 382 | 739.1 | RCHRES 306 | 5 |
| PERLND 383 | 215.2 | RCHRES 306 | 5 |
| PERLND 384 | 694.3 | RCHRES 306 | 5 |
| PERLND 385 | 46.3 | RCHRES 306 | 2 |
| PERLND 386 | 1025.3 | RCHRES 306 | 2 |
| IMPLND 386 | 20.9 | RCHRES 306 | 1 |
| PERLND 387 | 1821.2 | RCHRES 306 | 2 |
| IMPLND 387 | 37.2 | RCHRES 306 | 1 |
| PERLND 388 | 1210.8 | RCHRES 306 | 2 |
| IMPLND 388 | 807.2 | RCHRES 306 | 1 |
| PERLND 389 | 6.7 | RCHRES 306 | 2 |
| PERLND 392 | 27.1 | RCHRES 306 | 5 |
| RCHRES 306 | | RCHRES 308 | 3 |
| PERLND 381 | 2253.8 | RCHRES 308 | 2 |
| PERLND 382 | 3475.7 | RCHRES 308 | 5 |
| PERLND 383 | 1009.3 | RCHRES 308 | 5 |
| PERLND 384 | 3998.5 | RCHRES 308 | 5 |
| PERLND 385 | 283.5 | RCHRES 308 | 2 |
| PERLND 386 | 1893.5 | RCHRES 308 | 2 |
| IMPLND 386 | 38.6 | RCHRES 308 | 1 |
| PERLND 387 | 1955.3 | RCHRES 308 | 2 |
| IMPLND 387 | 39.9 | RCHRES 308 | 1 |
| PERLND 388 | 632.0 | RCHRES 308 | 2 |
| IMPLND 388 | 421.3 | RCHRES 308 | 1 |
| PERLND 389 | 20.3 | RCHRES 308 | 2 |
| PERLND 390 | 1.6 | RCHRES 308 | 2 |
| PERLND 392 | 127.3 | RCHRES 308 | 5 |
| PERLND 481 | 711.7 | RCHRES 312 | 2 |
| PERLND 482 | 4191.3 | RCHRES 312 | 5 |
| PERLND 483 | 1041.4 | RCHRES 312 | 5 |
| PERLND 484 | 2848.5 | RCHRES 312 | 5 |
| PERLND 485 | 56.8 | RCHRES 312 | 2 |
| PERLND 486 | 1421.8 | RCHRES 312 | 2 |
| IMPLND 486 | 29.0 | RCHRES 312 | 1 |
| PERLND 487 | 1239.1 | RCHRES 312 | 2 |
| IMPLND 487 | 25.3 | RCHRES 312 | 1 |
| PERLND 488 | 680.8 | RCHRES 312 | 2 |
| IMPLND 488 | 453.8 | RCHRES 312 | 1 |
| PERLND 489 | 21.6 | RCHRES 312 | 2 |
| PERLND 490 | 51.6 | RCHRES 312 | 2 |
| PERLND 492 | 423.9 | RCHRES 312 | 5 |
| RCHRES 312 | | RCHRES 314 | 3 |
| PERLND 481 | 2532.2 | RCHRES 314 | 2 |
| PERLND 482 | 4530.0 | RCHRES 314 | 5 |
| PERLND 483 | 1403.0 | RCHRES 314 | 5 |

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| PERLND 484 | 5385.7 | RCHRES 314 | 5 |
| PERLND 485 | 62.3 | RCHRES 314 | 2 |
| PERLND 486 | 1455.2 | RCHRES 314 | 2 |
| IMPLND 486 | 29.7 | RCHRES 314 | 1 |
| PERLND 487 | 253.0 | RCHRES 314 | 2 |
| IMPLND 487 | 5.2 | RCHRES 314 | 1 |
| PERLND 488 | 301.9 | RCHRES 314 | 2 |
| IMPLND 488 | 201.2 | RCHRES 314 | 1 |
| PERLND 489 | 8.6 | RCHRES 314 | 2 |
| PERLND 490 | 31.4 | RCHRES 314 | 2 |
| PERLND 492 | 458.1 | RCHRES 314 | 5 |
| RCHRES 304 | | RCHRES 316 | 3 |
| RCHRES 308 | | RCHRES 316 | 3 |
| RCHRES 314 | | RCHRES 316 | 3 |
| PERLND 461 | 1088.5 | RCHRES 316 | 2 |
| PERLND 462 | 318.7 | RCHRES 316 | 5 |
| PERLND 463 | 121.5 | RCHRES 316 | 5 |
| PERLND 464 | 1014.6 | RCHRES 316 | 5 |
| PERLND 465 | 39.8 | RCHRES 316 | 2 |
| PERLND 466 | 141.1 | RCHRES 316 | 2 |
| IMPLND 466 | 2.9 | RCHRES 316 | 1 |
| PERLND 467 | 13.0 | RCHRES 316 | 2 |
| IMPLND 467 | 0.3 | RCHRES 316 | 1 |
| PERLND 468 | 4.0 | RCHRES 316 | 2 |
| IMPLND 468 | 2.7 | RCHRES 316 | 1 |
| PERLND 469 | 19.9 | RCHRES 316 | 2 |
| PERLND 472 | 0.0 | RCHRES 316 | 5 |
| PERLND 501 | 180.0 | RCHRES 318 | 2 |
| PERLND 502 | 279.1 | RCHRES 318 | 5 |
| PERLND 503 | 213.4 | RCHRES 318 | 5 |
| PERLND 504 | 581.0 | RCHRES 318 | 5 |
| PERLND 505 | 15.6 | RCHRES 318 | 2 |
| PERLND 506 | 588.2 | RCHRES 318 | 2 |
| IMPLND 506 | 12.0 | RCHRES 318 | 1 |
| PERLND 507 | 1383.2 | RCHRES 318 | 2 |
| IMPLND 507 | 28.2 | RCHRES 318 | 1 |
| PERLND 508 | 636.7 | RCHRES 318 | 2 |
| IMPLND 508 | 424.5 | RCHRES 318 | 1 |
| PERLND 509 | 2.5 | RCHRES 318 | 2 |
| PERLND 512 | 413.0 | RCHRES 318 | 5 |
| RCHRES 318 | | RCHRES 322 | 3 |
| PERLND 501 | 1624.2 | RCHRES 322 | 2 |
| PERLND 502 | 921.7 | RCHRES 322 | 5 |
| PERLND 503 | 736.1 | RCHRES 322 | 5 |
| PERLND 504 | 4091.4 | RCHRES 322 | 5 |
| PERLND 505 | 39.6 | RCHRES 322 | 2 |
| PERLND 506 | 815.6 | RCHRES 322 | 2 |
| IMPLND 506 | 16.6 | RCHRES 322 | 1 |
| PERLND 507 | 251.0 | RCHRES 322 | 2 |
| IMPLND 507 | 5.1 | RCHRES 322 | 1 |
| PERLND 508 | 209.6 | RCHRES 322 | 2 |
| IMPLND 508 | 139.7 | RCHRES 322 | 1 |
| PERLND 509 | 32.3 | RCHRES 322 | 2 |
| PERLND 510 | 0 | RCHRES 322 | 2 |
| PERLND 512 | 1364.2 | RCHRES 322 | 5 |
| RCHRES 316 | | RCHRES 324 | 3 |

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| PERLND 581 | 2369.1 | RCHRES 324 | 2 |
| PERLND 582 | 1364.3 | RCHRES 324 | 5 |
| PERLND 583 | 809.9 | RCHRES 324 | 5 |
| PERLND 584 | 3928.7 | RCHRES 324 | 5 |
| PERLND 585 | 154.8 | RCHRES 324 | 2 |
| PERLND 586 | 625.0 | RCHRES 324 | 2 |
| IMPLND 586 | 12.8 | RCHRES 324 | 1 |
| PERLND 587 | 17.1 | RCHRES 324 | 2 |
| IMPLND 587 | 0.3 | RCHRES 324 | 1 |
| PERLND 588 | 27.3 | RCHRES 324 | 2 |
| IMPLND 588 | 18.2 | RCHRES 324 | 1 |
| PERLND 589 | 88.4 | RCHRES 324 | 2 |
| PERLND 592 | 1158.0 | RCHRES 324 | 5 |
| RCHRES 322 | | RCHRES 326 | 3 |
| RCHRES 324 | | RCHRES 326 | 3 |
| PERLND 581 | 7506.1 | RCHRES 326 | 2 |
| PERLND 582 | 1982.6 | RCHRES 326 | 5 |
| PERLND 583 | 1222.3 | RCHRES 326 | 5 |
| PERLND 584 | 8755.2 | RCHRES 326 | 5 |
| PERLND 585 | 437.8 | RCHRES 326 | 2 |
| PERLND 586 | 1104.4 | RCHRES 326 | 2 |
| IMPLND 586 | 22.5 | RCHRES 326 | 1 |
| PERLND 587 | 162.6 | RCHRES 326 | 2 |
| IMPLND 587 | 3.3 | RCHRES 326 | 1 |
| PERLND 588 | 65.7 | RCHRES 326 | 2 |
| IMPLND 588 | 43.8 | RCHRES 326 | 1 |
| PERLND 589 | 153.1 | RCHRES 326 | 2 |
| PERLND 590 | 6.5 | RCHRES 326 | 2 |
| PERLND 592 | 1682.6 | RCHRES 326 | 5 |
| PERLND 421 | 2034.3 | RCHRES 402 | 2 |
| PERLND 422 | 120.4 | RCHRES 402 | 5 |
| PERLND 423 | 301.3 | RCHRES 402 | 5 |
| PERLND 424 | 1009.8 | RCHRES 402 | 5 |
| PERLND 425 | 31.9 | RCHRES 402 | 2 |
| PERLND 426 | 210.6 | RCHRES 402 | 2 |
| IMPLND 426 | 4.3 | RCHRES 402 | 1 |
| PERLND 427 | 7.5 | RCHRES 402 | 2 |
| IMPLND 427 | 0.2 | RCHRES 402 | 1 |
| PERLND 428 | 1.5 | RCHRES 402 | 2 |
| IMPLND 428 | 1.0 | RCHRES 402 | 1 |
| PERLND 432 | 367.0 | RCHRES 402 | 5 |
| PERLND 421 | 3430.8 | RCHRES 404 | 2 |
| PERLND 422 | 130.6 | RCHRES 404 | 5 |
| PERLND 423 | 461.9 | RCHRES 404 | 5 |
| PERLND 424 | 1399.7 | RCHRES 404 | 5 |
| PERLND 425 | 93.0 | RCHRES 404 | 2 |
| PERLND 426 | 196.1 | RCHRES 404 | 2 |
| IMPLND 426 | 4.0 | RCHRES 404 | 1 |
| PERLND 427 | 13.5 | RCHRES 404 | 2 |
| IMPLND 427 | 0.3 | RCHRES 404 | 1 |
| PERLND 428 | 8.7 | RCHRES 404 | 2 |
| IMPLND 428 | 5.8 | RCHRES 404 | 1 |
| PERLND 429 | 9.6 | RCHRES 404 | 2 |
| PERLND 430 | 0 | RCHRES 404 | 2 |
| PERLND 432 | 398.3 | RCHRES 404 | 5 |
| RCHRES 402 | | RCHRES 406 | 3 |

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| RCHRES 404 | | RCHRES 406 | 3 |
| PERLND 421 | 1985.4 | RCHRES 406 | 2 |
| PERLND 422 | 512.3 | RCHRES 406 | 5 |
| PERLND 423 | 731.6 | RCHRES 406 | 5 |
| PERLND 424 | 1220.0 | RCHRES 406 | 5 |
| PERLND 425 | 121.2 | RCHRES 406 | 2 |
| PERLND 426 | 603.6 | RCHRES 406 | 2 |
| IMPLND 426 | 12.3 | RCHRES 406 | 1 |
| PERLND 427 | 368.9 | RCHRES 406 | 2 |
| IMPLND 427 | 7.5 | RCHRES 406 | 1 |
| PERLND 428 | 84.3 | RCHRES 406 | 2 |
| IMPLND 428 | 56.2 | RCHRES 406 | 1 |
| PERLND 429 | 31.1 | RCHRES 406 | 2 |
| PERLND 432 | 1563.0 | RCHRES 406 | 5 |
| PERLND 161 | 335.0 | RCHRES 408 | 2 |
| PERLND 162 | 1853.5 | RCHRES 408 | 5 |
| PERLND 163 | 691.6 | RCHRES 408 | 5 |
| PERLND 164 | 612.9 | RCHRES 408 | 5 |
| PERLND 165 | 11.9 | RCHRES 408 | 2 |
| PERLND 166 | 191.7 | RCHRES 408 | 2 |
| IMPLND 166 | 3.9 | RCHRES 408 | 1 |
| PERLND 167 | 67.0 | RCHRES 408 | 2 |
| IMPLND 167 | 1.4 | RCHRES 408 | 1 |
| PERLND 168 | 21.4 | RCHRES 408 | 2 |
| IMPLND 168 | 14.2 | RCHRES 408 | 1 |
| PERLND 169 | 19.5 | RCHRES 408 | 2 |
| PERLND 172 | 594.1 | RCHRES 408 | 5 |
| RCHRES 406 | | RCHRES 408 | 3 |
| PERLND 101 | 2570.2 | RCHRES 412 | 2 |
| PERLND 102 | 1527.8 | RCHRES 412 | 5 |
| PERLND 103 | 1094.6 | RCHRES 412 | 5 |
| PERLND 104 | 1443.1 | RCHRES 412 | 5 |
| PERLND 105 | 130.4 | RCHRES 412 | 2 |
| PERLND 106 | 435.9 | RCHRES 412 | 2 |
| IMPLND 106 | 8.9 | RCHRES 412 | 1 |
| PERLND 107 | 165.8 | RCHRES 412 | 2 |
| IMPLND 107 | 3.4 | RCHRES 412 | 1 |
| PERLND 108 | 72.4 | RCHRES 412 | 2 |
| IMPLND 108 | 48.3 | RCHRES 412 | 1 |
| PERLND 109 | 38.0 | RCHRES 412 | 2 |
| PERLND 110 | 8.2 | RCHRES 412 | 2 |
| PERLND 112 | 319.9 | RCHRES 412 | 5 |
| PERLND 101 | 1801.0 | RCHRES 414 | 2 |
| PERLND 102 | 2590.9 | RCHRES 414 | 5 |
| PERLND 103 | 1040.5 | RCHRES 414 | 5 |
| PERLND 104 | 1320.8 | RCHRES 414 | 5 |
| PERLND 105 | 42.3 | RCHRES 414 | 2 |
| PERLND 106 | 275.0 | RCHRES 414 | 2 |
| IMPLND 106 | 5.6 | RCHRES 414 | 1 |
| PERLND 107 | 26.0 | RCHRES 414 | 2 |
| IMPLND 107 | 0.5 | RCHRES 414 | 1 |
| PERLND 108 | 41.7 | RCHRES 414 | 2 |
| IMPLND 108 | 27.8 | RCHRES 414 | 1 |
| PERLND 109 | 9.0 | RCHRES 414 | 2 |
| PERLND 110 | 22.5 | RCHRES 414 | 2 |
| PERLND 112 | 542.6 | RCHRES 414 | 5 |

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| RCHRES 412 | | RCHRES 414 | 3 |
| PERLND 161 | 2399.6 | RCHRES 416 | 2 |
| PERLND 162 | 2108.4 | RCHRES 416 | 5 |
| PERLND 163 | 1144.1 | RCHRES 416 | 5 |
| PERLND 164 | 2004.3 | RCHRES 416 | 5 |
| PERLND 165 | 134.8 | RCHRES 416 | 2 |
| PERLND 166 | 327.7 | RCHRES 416 | 2 |
| IMPLND 166 | 6.7 | RCHRES 416 | 1 |
| PERLND 167 | 23.1 | RCHRES 416 | 2 |
| IMPLND 167 | 0.5 | RCHRES 416 | 1 |
| PERLND 168 | 27.5 | RCHRES 416 | 2 |
| IMPLND 168 | 18.3 | RCHRES 416 | 1 |
| PERLND 169 | 7.7 | RCHRES 416 | 2 |
| PERLND 170 | 60.3 | RCHRES 416 | 2 |
| PERLND 172 | 675.7 | RCHRES 416 | 5 |
| RCHRES 408 | | RCHRES 416 | 3 |
| RCHRES 414 | | RCHRES 416 | 3 |
| PERLND 281 | 1826.9 | RCHRES 418 | 2 |
| PERLND 282 | 189.0 | RCHRES 418 | 5 |
| PERLND 283 | 115.5 | RCHRES 418 | 5 |
| PERLND 284 | 120.6 | RCHRES 418 | 5 |
| PERLND 285 | 20.7 | RCHRES 418 | 2 |
| PERLND 286 | 112.9 | RCHRES 418 | 2 |
| IMPLND 286 | 2.3 | RCHRES 418 | 1 |
| PERLND 287 | 0.2 | RCHRES 418 | 2 |
| IMPLND 287 | 0.0 | RCHRES 418 | 1 |
| PERLND 289 | 7.6 | RCHRES 418 | 2 |
| PERLND 290 | 28.8 | RCHRES 418 | 2 |
| PERLND 292 | 4.6 | RCHRES 418 | 5 |
| PERLND 281 | 443.7 | RCHRES 420 | 2 |
| PERLND 282 | 55.0 | RCHRES 420 | 5 |
| PERLND 283 | 13.6 | RCHRES 420 | 5 |
| PERLND 284 | 70.6 | RCHRES 420 | 5 |
| PERLND 285 | 4.2 | RCHRES 420 | 2 |
| PERLND 286 | 39.7 | RCHRES 420 | 2 |
| IMPLND 286 | 0.8 | RCHRES 420 | 1 |
| PERLND 287 | 2.8 | RCHRES 420 | 2 |
| IMPLND 287 | 0.1 | RCHRES 420 | 1 |
| PERLND 289 | 1.3 | RCHRES 420 | 2 |
| PERLND 292 | 1.3 | RCHRES 420 | 5 |
| RCHRES 418 | | RCHRES 420 | 3 |
| PERLND 441 | 2511.7 | RCHRES 502 | 2 |
| PERLND 442 | 316.6 | RCHRES 502 | 5 |
| PERLND 443 | 696.2 | RCHRES 502 | 5 |
| PERLND 444 | 3858.4 | RCHRES 502 | 5 |
| PERLND 445 | 283.3 | RCHRES 502 | 2 |
| PERLND 446 | 475.2 | RCHRES 502 | 2 |
| IMPLND 446 | 9.7 | RCHRES 502 | 1 |
| PERLND 447 | 22.4 | RCHRES 502 | 2 |
| IMPLND 447 | 0.5 | RCHRES 502 | 1 |
| PERLND 448 | 13.7 | RCHRES 502 | 2 |
| IMPLND 448 | 9.1 | RCHRES 502 | 1 |
| PERLND 449 | 22.5 | RCHRES 502 | 2 |
| PERLND 450 | 0 | RCHRES 502 | 2 |
| PERLND 452 | 1331.7 | RCHRES 502 | 5 |
| PERLND 441 | 2534.6 | RCHRES 504 | 2 |

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| PERLND 442 | 342.7 | RCHRES 504 | 5 |
| PERLND 443 | 551.2 | RCHRES 504 | 5 |
| PERLND 444 | 2342.6 | RCHRES 504 | 5 |
| PERLND 445 | 301.5 | RCHRES 504 | 2 |
| PERLND 446 | 873.9 | RCHRES 504 | 2 |
| IMPLND 446 | 17.8 | RCHRES 504 | 1 |
| PERLND 447 | 383.3 | RCHRES 504 | 2 |
| IMPLND 447 | 7.8 | RCHRES 504 | 1 |
| PERLND 448 | 144.7 | RCHRES 504 | 2 |
| IMPLND 448 | 96.5 | RCHRES 504 | 1 |
| PERLND 449 | 91.9 | RCHRES 504 | 2 |
| PERLND 452 | 1441.7 | RCHRES 504 | 5 |
| RCHRES 502 | | RCHRES 504 | 3 |
| PERLND 601 | 855.4 | RCHRES 505 | 2 |
| PERLND 602 | 963.0 | RCHRES 505 | 5 |
| PERLND 603 | 430.1 | RCHRES 505 | 5 |
| PERLND 604 | 1734.7 | RCHRES 505 | 5 |
| PERLND 605 | 22.9 | RCHRES 505 | 2 |
| PERLND 606 | 265.7 | RCHRES 505 | 2 |
| IMPLND 606 | 5.4 | RCHRES 505 | 1 |
| PERLND 607 | 103.5 | RCHRES 505 | 2 |
| IMPLND 607 | 2.1 | RCHRES 505 | 1 |
| PERLND 608 | 65.3 | RCHRES 505 | 2 |
| IMPLND 608 | 43.6 | RCHRES 505 | 1 |
| PERLND 609 | 1.6 | RCHRES 505 | 2 |
| PERLND 610 | 62.2 | RCHRES 505 | 2 |
| PERLND 612 | 299.5 | RCHRES 505 | 5 |
| RCHRES 505 | | RCHRES 506 | 3 |
| PERLND 601 | 759.6 | RCHRES 506 | 2 |
| PERLND 602 | 1092.6 | RCHRES 506 | 5 |
| PERLND 603 | 307.6 | RCHRES 506 | 5 |
| PERLND 604 | 771.7 | RCHRES 506 | 5 |
| PERLND 605 | 174.7 | RCHRES 506 | 2 |
| PERLND 606 | 213.2 | RCHRES 506 | 2 |
| IMPLND 606 | 4.4 | RCHRES 506 | 1 |
| PERLND 607 | 53.7 | RCHRES 506 | 2 |
| IMPLND 607 | 1.1 | RCHRES 506 | 1 |
| PERLND 608 | 33.7 | RCHRES 506 | 2 |
| IMPLND 608 | 22.4 | RCHRES 506 | 1 |
| PERLND 609 | 2.9 | RCHRES 506 | 2 |
| PERLND 612 | 339.8 | RCHRES 506 | 5 |
| RCHRES 506 | | RCHRES 507 | 3 |
| PERLND 601 | 641.5 | RCHRES 507 | 2 |
| PERLND 602 | 301.1 | RCHRES 507 | 5 |
| PERLND 603 | 83.6 | RCHRES 507 | 5 |
| PERLND 604 | 227.4 | RCHRES 507 | 5 |
| PERLND 605 | 78.0 | RCHRES 507 | 2 |
| PERLND 606 | 57.9 | RCHRES 507 | 2 |
| IMPLND 606 | 1.2 | RCHRES 507 | 1 |
| PERLND 609 | 10.0 | RCHRES 507 | 2 |
| PERLND 612 | 93.7 | RCHRES 507 | 5 |
| RCHRES 504 | | RCHRES 508 | 3 |
| PERLND 601 | 448.5 | RCHRES 508 | 2 |
| PERLND 602 | 267.7 | RCHRES 508 | 5 |
| PERLND 603 | 87.6 | RCHRES 508 | 5 |
| PERLND 604 | 239.7 | RCHRES 508 | 5 |

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| PERLND 605 | 59.7 | RCHRES 508 | 2 |
| PERLND 606 | 76.1 | RCHRES 508 | 2 |
| IMPLND 606 | 1.6 | RCHRES 508 | 1 |
| PERLND 607 | 11.1 | RCHRES 508 | 2 |
| IMPLND 607 | 0.2 | RCHRES 508 | 1 |
| PERLND 609 | 1.3 | RCHRES 508 | 2 |
| PERLND 612 | 83.2 | RCHRES 508 | 5 |
| RCHRES 507 | | RCHRES 512 | 31 |
| RCHRES 508 | | RCHRES 512 | 31 |
| PERLND 601 | 2181.3 | RCHRES 512 | 21 |
| PERLND 602 | 1275.6 | RCHRES 512 | 51 |
| PERLND 603 | 370.9 | RCHRES 512 | 51 |
| PERLND 604 | 838.8 | RCHRES 512 | 51 |
| PERLND 605 | 335.5 | RCHRES 512 | 21 |
| PERLND 606 | 230.6 | RCHRES 512 | 21 |
| IMPLND 606 | 4.7 | RCHRES 512 | 11 |
| PERLND 607 | 23.2 | RCHRES 512 | 21 |
| IMPLND 607 | 0.5 | RCHRES 512 | 11 |
| PERLND 608 | 9.4 | RCHRES 512 | 21 |
| IMPLND 608 | 6.3 | RCHRES 512 | 11 |
| PERLND 609 | 4.5 | RCHRES 512 | 21 |
| PERLND 610 | 14.2 | RCHRES 512 | 21 |
| PERLND 612 | 396.7 | RCHRES 512 | 51 |
| PERLND 521 | 317.0 | RCHRES 514 | 2 |
| PERLND 522 | 1204.4 | RCHRES 514 | 5 |
| PERLND 523 | 530.7 | RCHRES 514 | 5 |
| PERLND 524 | 1069.7 | RCHRES 514 | 5 |
| PERLND 525 | 2.5 | RCHRES 514 | 2 |
| PERLND 526 | 1010.8 | RCHRES 514 | 2 |
| IMPLND 526 | 20.6 | RCHRES 514 | 1 |
| PERLND 527 | 1193.7 | RCHRES 514 | 2 |
| IMPLND 527 | 24.4 | RCHRES 514 | 1 |
| PERLND 528 | 657.6 | RCHRES 514 | 2 |
| IMPLND 528 | 438.4 | RCHRES 514 | 1 |
| PERLND 529 | 12.7 | RCHRES 514 | 2 |
| PERLND 530 | 3.8 | RCHRES 514 | 2 |
| PERLND 532 | 1836.1 | RCHRES 514 | 5 |
| PERLND 521 | 262.2 | RCHRES 515 | 2 |
| PERLND 522 | 138.7 | RCHRES 515 | 5 |
| PERLND 523 | 107.0 | RCHRES 515 | 5 |
| PERLND 524 | 292.0 | RCHRES 515 | 5 |
| PERLND 525 | 46.3 | RCHRES 515 | 2 |
| PERLND 526 | 99.7 | RCHRES 515 | 2 |
| IMPLND 526 | 2.0 | RCHRES 515 | 1 |
| PERLND 527 | 25.5 | RCHRES 515 | 2 |
| IMPLND 527 | 0.5 | RCHRES 515 | 1 |
| PERLND 528 | 1.8 | RCHRES 515 | 2 |
| IMPLND 528 | 1.2 | RCHRES 515 | 1 |
| PERLND 529 | 4.7 | RCHRES 515 | 2 |
| PERLND 532 | 211.4 | RCHRES 515 | 5 |
| RCHRES 514 | | RCHRES 516 | 31 |
| RCHRES 515 | | RCHRES 516 | 31 |
| PERLND 521 | 1174.4 | RCHRES 516 | 21 |
| PERLND 522 | 197.9 | RCHRES 516 | 51 |
| PERLND 523 | 127.7 | RCHRES 516 | 51 |
| PERLND 524 | 243.6 | RCHRES 516 | 51 |

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| PERLND 525 | 189.9 | RCHRES 516 | 21 |
| PERLND 526 | 197.3 | RCHRES 516 | 21 |
| IMPLND 526 | 4.0 | RCHRES 516 | 11 |
| PERLND 527 | 135.1 | RCHRES 516 | 21 |
| IMPLND 527 | 2.8 | RCHRES 516 | 11 |
| PERLND 528 | 80.9 | RCHRES 516 | 21 |
| IMPLND 528 | 53.9 | RCHRES 516 | 11 |
| PERLND 529 | 6.9 | RCHRES 516 | 21 |
| PERLND 532 | 301.6 | RCHRES 516 | 51 |
| RCHRES 512 | | RCHRES 518 | 31 |
| RCHRES 516 | | RCHRES 518 | 31 |
| PERLND 561 | 6537.0 | RCHRES 518 | 21 |
| PERLND 562 | 3213.8 | RCHRES 518 | 51 |
| PERLND 563 | 782.8 | RCHRES 518 | 51 |
| PERLND 564 | 782.2 | RCHRES 518 | 51 |
| PERLND 565 | 1148.0 | RCHRES 518 | 21 |
| PERLND 566 | 619.9 | RCHRES 518 | 21 |
| IMPLND 566 | 12.7 | RCHRES 518 | 11 |
| PERLND 567 | 48.6 | RCHRES 518 | 21 |
| IMPLND 567 | 1.0 | RCHRES 518 | 11 |
| PERLND 568 | 36.6 | RCHRES 518 | 21 |
| IMPLND 568 | 24.4 | RCHRES 518 | 11 |
| PERLND 569 | 73.2 | RCHRES 518 | 21 |
| PERLND 570 | 69.2 | RCHRES 518 | 21 |
| PERLND 572 | 1079.9 | RCHRES 518 | 51 |
| RCHRES 518 | | RCHRES 522 | 31 |
| PERLND 561 | 4661.9 | RCHRES 522 | 21 |
| PERLND 562 | 2187.5 | RCHRES 522 | 51 |
| PERLND 563 | 814.4 | RCHRES 522 | 51 |
| PERLND 564 | 689.4 | RCHRES 522 | 51 |
| PERLND 565 | 1090.8 | RCHRES 522 | 21 |
| PERLND 566 | 365.1 | RCHRES 522 | 21 |
| IMPLND 566 | 7.5 | RCHRES 522 | 11 |
| PERLND 567 | 18.9 | RCHRES 522 | 21 |
| IMPLND 567 | 0.4 | RCHRES 522 | 11 |
| PERLND 568 | 20.2 | RCHRES 522 | 21 |
| IMPLND 568 | 13.5 | RCHRES 522 | 11 |
| PERLND 569 | 19.9 | RCHRES 522 | 21 |
| PERLND 572 | 735.0 | RCHRES 522 | 51 |
| RCHRES 522 | | RCHRES 523 | 31 |
| PERLND 561 | 245.3 | RCHRES 523 | 21 |
| PERLND 562 | 65.4 | RCHRES 523 | 51 |
| PERLND 563 | 33.8 | RCHRES 523 | 51 |
| PERLND 564 | 20.8 | RCHRES 523 | 51 |
| PERLND 565 | 19.9 | RCHRES 523 | 21 |
| PERLND 566 | 43.7 | RCHRES 523 | 21 |
| IMPLND 566 | 0.9 | RCHRES 523 | 11 |
| PERLND 567 | 4.1 | RCHRES 523 | 21 |
| IMPLND 567 | 0.1 | RCHRES 523 | 11 |
| PERLND 568 | 0.3 | RCHRES 523 | 21 |
| IMPLND 568 | 0.2 | RCHRES 523 | 11 |
| PERLND 569 | 1.1 | RCHRES 523 | 21 |
| PERLND 572 | 22.0 | RCHRES 523 | 51 |
| RCHRES 523 | | RCHRES 524 | 31 |
| PERLND 561 | 5071.1 | RCHRES 524 | 21 |
| PERLND 562 | 170.0 | RCHRES 524 | 51 |

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| PERLND 563 | 76.3 | RCHRES 524 | 51 |
| PERLND 564 | 145.4 | RCHRES 524 | 51 |
| PERLND 565 | 758.0 | RCHRES 524 | 21 |
| PERLND 566 | 478.3 | RCHRES 524 | 21 |
| IMPLND 566 | 9.8 | RCHRES 524 | 11 |
| PERLND 567 | 146.1 | RCHRES 524 | 21 |
| IMPLND 567 | 3.0 | RCHRES 524 | 11 |
| PERLND 568 | 11.8 | RCHRES 524 | 21 |
| IMPLND 568 | 7.9 | RCHRES 524 | 11 |
| PERLND 569 | 46.4 | RCHRES 524 | 21 |
| PERLND 572 | 57.1 | RCHRES 524 | 51 |
| RCHRES 160 | | RCHRES 600 | 3 |
| RCHRES 326 | | RCHRES 600 | 3 |
| PERLND 541 | 9579.5 | RCHRES 600 | 2 |
| PERLND 542 | 0.0 | RCHRES 600 | 5 |
| PERLND 543 | 208.0 | RCHRES 600 | 5 |
| PERLND 544 | 4451.3 | RCHRES 600 | 5 |
| PERLND 545 | 325.6 | RCHRES 600 | 2 |
| PERLND 546 | 798.7 | RCHRES 600 | 2 |
| IMPLND 546 | 16.3 | RCHRES 600 | 1 |
| PERLND 547 | 167.6 | RCHRES 600 | 2 |
| IMPLND 547 | 3.4 | RCHRES 600 | 1 |
| PERLND 548 | 96.9 | RCHRES 600 | 2 |
| IMPLND 548 | 64.6 | RCHRES 600 | 1 |
| PERLND 549 | 100.6 | RCHRES 600 | 2 |
| PERLND 550 | 3.8 | RCHRES 600 | 2 |
| PERLND 552 | 3758.3 | RCHRES 600 | 5 |
| PERLND 201 | 3672.3 | RCHRES 602 | 2 |
| PERLND 202 | 3366.0 | RCHRES 602 | 5 |
| PERLND 203 | 2114.4 | RCHRES 602 | 5 |
| PERLND 204 | 3560.7 | RCHRES 602 | 5 |
| PERLND 205 | 65.0 | RCHRES 602 | 2 |
| PERLND 206 | 567.6 | RCHRES 602 | 2 |
| IMPLND 206 | 11.6 | RCHRES 602 | 1 |
| PERLND 207 | 17.7 | RCHRES 602 | 2 |
| IMPLND 207 | 0.4 | RCHRES 602 | 1 |
| PERLND 208 | 33.0 | RCHRES 602 | 2 |
| IMPLND 208 | 22.0 | RCHRES 602 | 1 |
| PERLND 209 | 8.2 | RCHRES 602 | 2 |
| PERLND 210 | 21.4 | RCHRES 602 | 2 |
| PERLND 212 | 1440.1 | RCHRES 602 | 5 |
| PERLND 221 | 4150.4 | RCHRES 604 | 2 |
| PERLND 222 | 758.7 | RCHRES 604 | 5 |
| PERLND 223 | 1558.9 | RCHRES 604 | 5 |
| PERLND 224 | 2833.6 | RCHRES 604 | 5 |
| PERLND 225 | 189.9 | RCHRES 604 | 2 |
| PERLND 226 | 502.3 | RCHRES 604 | 2 |
| IMPLND 226 | 10.3 | RCHRES 604 | 1 |
| PERLND 227 | 50.4 | RCHRES 604 | 2 |
| IMPLND 227 | 1.0 | RCHRES 604 | 1 |
| PERLND 228 | 66.0 | RCHRES 604 | 2 |
| IMPLND 228 | 44.0 | RCHRES 604 | 1 |
| PERLND 229 | 10.7 | RCHRES 604 | 2 |
| PERLND 230 | 10.5 | RCHRES 604 | 2 |
| PERLND 232 | 2912.7 | RCHRES 604 | 5 |
| PERLND 221 | 659.8 | RCHRES 606 | 2 |

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| PERLND 222 | 196.1 | RCHRES 606 | 5 |
| PERLND 223 | 398.8 | RCHRES 606 | 5 |
| PERLND 224 | 707.3 | RCHRES 606 | 5 |
| PERLND 225 | 27.8 | RCHRES 606 | 2 |
| PERLND 226 | 108.8 | RCHRES 606 | 2 |
| IMPLND 226 | 2.2 | RCHRES 606 | 1 |
| PERLND 227 | 11.1 | RCHRES 606 | 2 |
| IMPLND 227 | 0.2 | RCHRES 606 | 1 |
| PERLND 228 | 7.1 | RCHRES 606 | 2 |
| IMPLND 228 | 4.7 | RCHRES 606 | 1 |
| PERLND 229 | 1.6 | RCHRES 606 | 2 |
| PERLND 232 | 752.8 | RCHRES 606 | 5 |
| RCHRES 602 | | RCHRES 606 | 3 |
| RCHRES 604 | | RCHRES 606 | 3 |
| PERLND 121 | 3910.2 | RCHRES 608 | 2 |
| PERLND 122 | 3719.0 | RCHRES 608 | 5 |
| PERLND 123 | 1745.0 | RCHRES 608 | 5 |
| PERLND 124 | 2176.6 | RCHRES 608 | 5 |
| PERLND 125 | 150.9 | RCHRES 608 | 2 |
| PERLND 126 | 760.0 | RCHRES 608 | 2 |
| IMPLND 126 | 15.5 | RCHRES 608 | 1 |
| PERLND 127 | 162.3 | RCHRES 608 | 2 |
| IMPLND 127 | 3.3 | RCHRES 608 | 1 |
| PERLND 128 | 56.3 | RCHRES 608 | 2 |
| IMPLND 128 | 37.5 | RCHRES 608 | 1 |
| PERLND 129 | 12.0 | RCHRES 608 | 2 |
| PERLND 130 | 8.0 | RCHRES 608 | 2 |
| PERLND 132 | 1125.9 | RCHRES 608 | 5 |
| PERLND 121 | 113.6 | RCHRES 609 | 2 |
| PERLND 122 | 410.4 | RCHRES 609 | 5 |
| PERLND 123 | 147.2 | RCHRES 609 | 5 |
| PERLND 124 | 113.6 | RCHRES 609 | 5 |
| PERLND 125 | 2.8 | RCHRES 609 | 2 |
| PERLND 126 | 60.1 | RCHRES 609 | 2 |
| IMPLND 126 | 1.2 | RCHRES 609 | 1 |
| PERLND 127 | 1.0 | RCHRES 609 | 2 |
| IMPLND 127 | 0.0 | RCHRES 609 | 1 |
| PERLND 128 | 14.5 | RCHRES 609 | 2 |
| IMPLND 128 | 9.7 | RCHRES 609 | 1 |
| PERLND 132 | 124.3 | RCHRES 609 | 5 |
| RCHRES 608 | | RCHRES 609 | 3 |
| PERLND 301 | 2711.0 | RCHRES 610 | 2 |
| PERLND 302 | 997.4 | RCHRES 610 | 5 |
| PERLND 303 | 265.6 | RCHRES 610 | 5 |
| PERLND 304 | 1123.3 | RCHRES 610 | 5 |
| PERLND 305 | 80.3 | RCHRES 610 | 2 |
| PERLND 306 | 349.8 | RCHRES 610 | 2 |
| IMPLND 306 | 7.1 | RCHRES 610 | 1 |
| PERLND 307 | 65.2 | RCHRES 610 | 2 |
| IMPLND 307 | 1.3 | RCHRES 610 | 1 |
| PERLND 308 | 16.8 | RCHRES 610 | 2 |
| IMPLND 308 | 11.2 | RCHRES 610 | 1 |
| PERLND 309 | 119.5 | RCHRES 610 | 2 |
| PERLND 312 | 156.8 | RCHRES 610 | 5 |
| RCHRES 600 | | RCHRES 610 | 3 |
| PERLND 121 | 256.4 | RCHRES 612 | 2 |

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| PERLND 122 | 1272.6 | RCHRES 612 | 5 |
| PERLND 123 | 306.7 | RCHRES 612 | 5 |
| PERLND 124 | 360.3 | RCHRES 612 | 5 |
| PERLND 125 | 4.3 | RCHRES 612 | 2 |
| PERLND 126 | 147.3 | RCHRES 612 | 2 |
| IMPLND 126 | 3.0 | RCHRES 612 | 1 |
| PERLND 127 | 1.9 | RCHRES 612 | 2 |
| IMPLND 127 | 0.0 | RCHRES 612 | 1 |
| PERLND 128 | 8.4 | RCHRES 612 | 2 |
| IMPLND 128 | 5.6 | RCHRES 612 | 1 |
| PERLND 129 | 4.0 | RCHRES 612 | 2 |
| PERLND 132 | 385.3 | RCHRES 612 | 5 |
| RCHRES 609 | | RCHRES 612 | 3 |
| PERLND 141 | 3531.6 | RCHRES 614 | 2 |
| PERLND 142 | 3038.3 | RCHRES 614 | 5 |
| PERLND 143 | 1056.1 | RCHRES 614 | 5 |
| PERLND 144 | 1774.1 | RCHRES 614 | 5 |
| PERLND 145 | 192.2 | RCHRES 614 | 2 |
| PERLND 146 | 844.7 | RCHRES 614 | 2 |
| IMPLND 146 | 17.2 | RCHRES 614 | 1 |
| PERLND 147 | 120.8 | RCHRES 614 | 2 |
| IMPLND 147 | 2.5 | RCHRES 614 | 1 |
| PERLND 148 | 51.7 | RCHRES 614 | 2 |
| IMPLND 148 | 34.5 | RCHRES 614 | 1 |
| PERLND 149 | 91.8 | RCHRES 614 | 2 |
| PERLND 150 | 5.1 | RCHRES 614 | 2 |
| PERLND 152 | 705.3 | RCHRES 614 | 5 |
| RCHRES 612 | | RCHRES 614 | 3 |
| PERLND 301 | 2400.5 | RCHRES 620 | 2 |
| PERLND 302 | 1285.3 | RCHRES 620 | 5 |
| PERLND 303 | 358.1 | RCHRES 620 | 5 |
| PERLND 304 | 1553.2 | RCHRES 620 | 5 |
| PERLND 305 | 125.9 | RCHRES 620 | 2 |
| PERLND 306 | 343.9 | RCHRES 620 | 2 |
| IMPLND 306 | 7.0 | RCHRES 620 | 1 |
| PERLND 307 | 23.4 | RCHRES 620 | 2 |
| IMPLND 307 | 0.5 | RCHRES 620 | 1 |
| PERLND 308 | 11.4 | RCHRES 620 | 2 |
| IMPLND 308 | 7.6 | RCHRES 620 | 1 |
| PERLND 309 | 126.5 | RCHRES 620 | 2 |
| PERLND 312 | 202.0 | RCHRES 620 | 5 |
| RCHRES 610 | | RCHRES 620 | 3 |
| PERLND 301 | 37.0 | RCHRES 630 | 2 |
| PERLND 302 | 102.2 | RCHRES 630 | 5 |
| PERLND 303 | 12.8 | RCHRES 630 | 5 |
| PERLND 304 | 31.0 | RCHRES 630 | 5 |
| PERLND 306 | 16.6 | RCHRES 630 | 2 |
| IMPLND 306 | 0.3 | RCHRES 630 | 1 |
| PERLND 307 | 1.3 | RCHRES 630 | 2 |
| IMPLND 307 | 0.0 | RCHRES 630 | 1 |
| PERLND 309 | 27.3 | RCHRES 630 | 2 |
| PERLND 312 | 16.1 | RCHRES 630 | 5 |
| RCHRES 606 | | RCHRES 630 | 3 |
| RCHRES 620 | | RCHRES 630 | 3 |
| PERLND 301 | 336.0 | RCHRES 635 | 21 |
| PERLND 302 | 247.6 | RCHRES 635 | 51 |

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| PERLND 303 | 68.3 | RCHRES 635 | 51 |
| PERLND 304 | 126.1 | RCHRES 635 | 51 |
| PERLND 305 | 20.2 | RCHRES 635 | 21 |
| PERLND 306 | 61.4 | RCHRES 635 | 21 |
| IMPLND 306 | 1.3 | RCHRES 635 | 11 |
| PERLND 307 | 1.9 | RCHRES 635 | 21 |
| IMPLND 307 | 0.0 | RCHRES 635 | 11 |
| PERLND 308 | 2.5 | RCHRES 635 | 21 |
| IMPLND 308 | 1.6 | RCHRES 635 | 11 |
| PERLND 309 | 21.5 | RCHRES 635 | 21 |
| PERLND 312 | 38.9 | RCHRES 635 | 51 |
| RCHRES 630 | | RCHRES 635 | 31 |
| PERLND 301 | 2529.5 | RCHRES 637 | 21 |
| PERLND 302 | 982.1 | RCHRES 637 | 51 |
| PERLND 303 | 313.5 | RCHRES 637 | 51 |
| PERLND 304 | 761.2 | RCHRES 637 | 51 |
| PERLND 305 | 233.5 | RCHRES 637 | 21 |
| PERLND 306 | 268.8 | RCHRES 637 | 21 |
| IMPLND 306 | 5.5 | RCHRES 637 | 11 |
| PERLND 307 | 7.9 | RCHRES 637 | 21 |
| IMPLND 307 | 0.2 | RCHRES 637 | 11 |
| PERLND 308 | 13.3 | RCHRES 637 | 21 |
| IMPLND 308 | 8.9 | RCHRES 637 | 11 |
| PERLND 309 | 157.3 | RCHRES 637 | 21 |
| PERLND 310 | 20.8 | RCHRES 637 | 21 |
| PERLND 312 | 154.4 | RCHRES 637 | 51 |
| RCHRES 614 | | RCHRES 637 | 31 |
| RCHRES 635 | | RCHRES 637 | 31 |
| PERLND 301 | 1842.1 | RCHRES 638 | 21 |
| PERLND 302 | 244.6 | RCHRES 638 | 51 |
| PERLND 303 | 99.3 | RCHRES 638 | 51 |
| PERLND 304 | 455.0 | RCHRES 638 | 51 |
| PERLND 305 | 72.2 | RCHRES 638 | 21 |
| PERLND 306 | 241.6 | RCHRES 638 | 21 |
| IMPLND 306 | 4.9 | RCHRES 638 | 11 |
| PERLND 307 | 96.0 | RCHRES 638 | 21 |
| IMPLND 307 | 2.0 | RCHRES 638 | 11 |
| PERLND 308 | 11.3 | RCHRES 638 | 21 |
| IMPLND 308 | 7.5 | RCHRES 638 | 11 |
| PERLND 312 | 38.5 | RCHRES 638 | 51 |
| PERLND 141 | 381.1 | RCHRES 639 | 21 |
| PERLND 142 | 71.5 | RCHRES 639 | 51 |
| PERLND 143 | 25.0 | RCHRES 639 | 51 |
| PERLND 144 | 145.9 | RCHRES 639 | 51 |
| PERLND 145 | 12.2 | RCHRES 639 | 21 |
| PERLND 146 | 71.4 | RCHRES 639 | 21 |
| IMPLND 146 | 1.5 | RCHRES 639 | 11 |
| PERLND 147 | 4.6 | RCHRES 639 | 21 |
| IMPLND 147 | 0.1 | RCHRES 639 | 11 |
| PERLND 148 | 23.5 | RCHRES 639 | 21 |
| IMPLND 148 | 15.7 | RCHRES 639 | 11 |
| PERLND 149 | 1.6 | RCHRES 639 | 21 |
| PERLND 152 | 16.6 | RCHRES 639 | 51 |
| RCHRES 638 | | RCHRES 639 | 31 |
| PERLND 141 | 38.5 | RCHRES 640 | 21 |
| PERLND 142 | 20.7 | RCHRES 640 | 51 |

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| PERLND 143 | 6.2 | RCHRES 640 | 51 |
| PERLND 144 | 20.1 | RCHRES 640 | 51 |
| PERLND 146 | 22.8 | RCHRES 640 | 21 |
| IMPLND 146 | 0.5 | RCHRES 640 | 11 |
| PERLND 147 | 0.9 | RCHRES 640 | 21 |
| IMPLND 147 | 0.0 | RCHRES 640 | 11 |
| PERLND 148 | 4.5 | RCHRES 640 | 21 |
| IMPLND 148 | 3.0 | RCHRES 640 | 11 |
| PERLND 149 | 13.7 | RCHRES 640 | 21 |
| PERLND 150 | 4.3 | RCHRES 640 | 21 |
| PERLND 152 | 4.9 | RCHRES 640 | 51 |
| RCHRES 637 | | RCHRES 640 | 31 |
| RCHRES 639 | | RCHRES 640 | 31 |
| PERLND 141 | 1635.2 | RCHRES 650 | 21 |
| PERLND 142 | 556.1 | RCHRES 650 | 51 |
| PERLND 143 | 158.6 | RCHRES 650 | 51 |
| PERLND 144 | 752.3 | RCHRES 650 | 51 |
| PERLND 145 | 47.2 | RCHRES 650 | 21 |
| PERLND 146 | 149.7 | RCHRES 650 | 21 |
| IMPLND 146 | 3.1 | RCHRES 650 | 11 |
| PERLND 147 | 9.4 | RCHRES 650 | 21 |
| IMPLND 147 | 0.2 | RCHRES 650 | 11 |
| PERLND 148 | 12.9 | RCHRES 650 | 21 |
| IMPLND 148 | 8.6 | RCHRES 650 | 11 |
| PERLND 149 | 54.3 | RCHRES 650 | 21 |
| PERLND 152 | 129.2 | RCHRES 650 | 51 |
| RCHRES 640 | | RCHRES 650 | 31 |
| PERLND 141 | 6695.8 | RCHRES 660 | 21 |
| PERLND 142 | 3689.1 | RCHRES 660 | 51 |
| PERLND 143 | 1259.6 | RCHRES 660 | 51 |
| PERLND 144 | 3375.9 | RCHRES 660 | 51 |
| PERLND 145 | 370.8 | RCHRES 660 | 21 |
| PERLND 146 | 799.2 | RCHRES 660 | 21 |
| IMPLND 146 | 16.3 | RCHRES 660 | 11 |
| PERLND 147 | 179.9 | RCHRES 660 | 21 |
| IMPLND 147 | 3.7 | RCHRES 660 | 11 |
| PERLND 148 | 105.6 | RCHRES 660 | 21 |
| IMPLND 148 | 70.4 | RCHRES 660 | 11 |
| PERLND 149 | 83.9 | RCHRES 660 | 21 |
| PERLND 150 | 77.4 | RCHRES 660 | 21 |
| PERLND 152 | 856.5 | RCHRES 660 | 51 |
| RCHRES 650 | | RCHRES 660 | 31 |
| PERLND 561 | 6281.3 | RCHRES 670 | 21 |
| PERLND 562 | 1649.7 | RCHRES 670 | 51 |
| PERLND 563 | 289.9 | RCHRES 670 | 51 |
| PERLND 564 | 279.6 | RCHRES 670 | 51 |
| PERLND 565 | 979.3 | RCHRES 670 | 21 |
| PERLND 566 | 425.4 | RCHRES 670 | 21 |
| IMPLND 566 | 8.7 | RCHRES 670 | 11 |
| PERLND 567 | 60.2 | RCHRES 670 | 21 |
| IMPLND 567 | 1.2 | RCHRES 670 | 11 |
| PERLND 568 | 28.3 | RCHRES 670 | 21 |
| IMPLND 568 | 18.9 | RCHRES 670 | 11 |
| PERLND 569 | 159.4 | RCHRES 670 | 21 |
| PERLND 570 | 12.7 | RCHRES 670 | 21 |
| PERLND 572 | 554.3 | RCHRES 670 | 51 |

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| RCHRES 660 | | RCHRES 670 | 31 |
| PERLND 61 | 2126.6 | RCHRES 702 | 2 |
| PERLND 62 | 62.3 | RCHRES 702 | 5 |
| PERLND 63 | 355.4 | RCHRES 702 | 5 |
| PERLND 64 | 1372.0 | RCHRES 702 | 5 |
| PERLND 65 | 85.9 | RCHRES 702 | 2 |
| PERLND 66 | 189.8 | RCHRES 702 | 2 |
| IMPLND 66 | 3.9 | RCHRES 702 | 1 |
| PERLND 67 | 3.7 | RCHRES 702 | 2 |
| IMPLND 67 | 0.1 | RCHRES 702 | 1 |
| PERLND 72 | 294.8 | RCHRES 702 | 5 |
| PERLND 61 | 981.1 | RCHRES 703 | 2 |
| PERLND 62 | 59.9 | RCHRES 703 | 5 |
| PERLND 63 | 247.1 | RCHRES 703 | 5 |
| PERLND 64 | 643.5 | RCHRES 703 | 5 |
| PERLND 65 | 22.1 | RCHRES 703 | 2 |
| PERLND 66 | 108.6 | RCHRES 703 | 2 |
| IMPLND 66 | 2.2 | RCHRES 703 | 1 |
| PERLND 67 | 39.0 | RCHRES 703 | 2 |
| IMPLND 67 | 0.8 | RCHRES 703 | 1 |
| PERLND 68 | 7.0 | RCHRES 703 | 2 |
| IMPLND 68 | 4.7 | RCHRES 703 | 1 |
| PERLND 69 | 0.8 | RCHRES 703 | 2 |
| PERLND 72 | 283.5 | RCHRES 703 | 5 |
| PERLND 61 | 2648.4 | RCHRES 704 | 2 |
| PERLND 62 | 136.8 | RCHRES 704 | 5 |
| PERLND 63 | 531.3 | RCHRES 704 | 5 |
| PERLND 64 | 1167.0 | RCHRES 704 | 5 |
| PERLND 65 | 125.3 | RCHRES 704 | 2 |
| PERLND 66 | 182.3 | RCHRES 704 | 2 |
| IMPLND 66 | 3.7 | RCHRES 704 | 1 |
| PERLND 67 | 7.2 | RCHRES 704 | 2 |
| IMPLND 67 | 0.1 | RCHRES 704 | 1 |
| PERLND 68 | 11.4 | RCHRES 704 | 2 |
| IMPLND 68 | 7.6 | RCHRES 704 | 1 |
| PERLND 69 | 15.6 | RCHRES 704 | 2 |
| PERLND 70 | 0 | RCHRES 704 | 2 |
| PERLND 72 | 647.2 | RCHRES 704 | 5 |
| RCHRES 702 | | RCHRES 704 | 3 |
| RCHRES 703 | | RCHRES 704 | 3 |
| PERLND 61 | 5135.1 | RCHRES 705 | 2 |
| PERLND 62 | 299.4 | RCHRES 705 | 5 |
| PERLND 63 | 1040.3 | RCHRES 705 | 5 |
| PERLND 64 | 3055.8 | RCHRES 705 | 5 |
| PERLND 65 | 202.0 | RCHRES 705 | 2 |
| PERLND 66 | 351.8 | RCHRES 705 | 2 |
| IMPLND 66 | 7.2 | RCHRES 705 | 1 |
| PERLND 67 | 33.6 | RCHRES 705 | 2 |
| IMPLND 67 | 0.7 | RCHRES 705 | 1 |
| PERLND 68 | 21.9 | RCHRES 705 | 2 |
| IMPLND 68 | 14.6 | RCHRES 705 | 1 |
| PERLND 69 | 6.7 | RCHRES 705 | 2 |
| PERLND 72 | 1416.7 | RCHRES 705 | 5 |
| PERLND 61 | 1089.7 | RCHRES 706 | 2 |
| PERLND 62 | 42.5 | RCHRES 706 | 5 |
| PERLND 63 | 166.4 | RCHRES 706 | 5 |

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| PERLND 64 | 636.6 | RCHRES 706 | 5 |
| PERLND 65 | 63.1 | RCHRES 706 | 2 |
| PERLND 66 | 80.5 | RCHRES 706 | 2 |
| IMPLND 66 | 1.6 | RCHRES 706 | 1 |
| PERLND 67 | 6.3 | RCHRES 706 | 2 |
| IMPLND 67 | 0.1 | RCHRES 706 | 1 |
| PERLND 68 | 3.9 | RCHRES 706 | 2 |
| IMPLND 68 | 2.6 | RCHRES 706 | 1 |
| PERLND 69 | 16.9 | RCHRES 706 | 2 |
| PERLND 72 | 201.6 | RCHRES 706 | 5 |
| RCHRES 704 | | RCHRES 706 | 3 |
| RCHRES 705 | | RCHRES 706 | 3 |
| PERLND 401 | 3327.1 | RCHRES 708 | 2 |
| PERLND 402 | 585.4 | RCHRES 708 | 5 |
| PERLND 403 | 692.7 | RCHRES 708 | 5 |
| PERLND 404 | 1679.0 | RCHRES 708 | 5 |
| PERLND 405 | 147.7 | RCHRES 708 | 2 |
| PERLND 406 | 272.8 | RCHRES 708 | 2 |
| IMPLND 406 | 5.6 | RCHRES 708 | 1 |
| PERLND 407 | 18.8 | RCHRES 708 | 2 |
| IMPLND 407 | 0.4 | RCHRES 708 | 1 |
| PERLND 408 | 27.1 | RCHRES 708 | 2 |
| IMPLND 408 | 18.1 | RCHRES 708 | 1 |
| PERLND 409 | 12.6 | RCHRES 708 | 2 |
| PERLND 412 | 433.8 | RCHRES 708 | 5 |
| RCHRES 706 | | RCHRES 708 | 3 |
| PERLND 401 | 5263.6 | RCHRES 712 | 21 |
| PERLND 402 | 929.6 | RCHRES 712 | 51 |
| PERLND 403 | 876.0 | RCHRES 712 | 51 |
| PERLND 404 | 2375.6 | RCHRES 712 | 51 |
| PERLND 405 | 273.0 | RCHRES 712 | 21 |
| PERLND 406 | 427.9 | RCHRES 712 | 21 |
| IMPLND 406 | 8.7 | RCHRES 712 | 11 |
| PERLND 407 | 10.2 | RCHRES 712 | 21 |
| IMPLND 407 | 0.2 | RCHRES 712 | 11 |
| PERLND 408 | 15.5 | RCHRES 712 | 21 |
| IMPLND 408 | 10.3 | RCHRES 712 | 11 |
| PERLND 409 | 24.5 | RCHRES 712 | 21 |
| PERLND 410 | 5.1 | RCHRES 712 | 21 |
| PERLND 412 | 688.7 | RCHRES 712 | 51 |
| RCHRES 708 | | RCHRES 712 | 31 |
| PERLND 41 | 10043.1 | RCHRES 714 | 2 |
| PERLND 42 | 974.1 | RCHRES 714 | 5 |
| PERLND 43 | 846.5 | RCHRES 714 | 5 |
| PERLND 44 | 2430.7 | RCHRES 714 | 5 |
| PERLND 45 | 378.5 | RCHRES 714 | 2 |
| PERLND 46 | 409.7 | RCHRES 714 | 2 |
| IMPLND 46 | 8.4 | RCHRES 714 | 1 |
| PERLND 47 | 5.1 | RCHRES 714 | 2 |
| IMPLND 47 | 0.1 | RCHRES 714 | 1 |
| PERLND 48 | 8.3 | RCHRES 714 | 2 |
| IMPLND 48 | 5.5 | RCHRES 714 | 1 |
| PERLND 49 | 67.2 | RCHRES 714 | 2 |
| PERLND 50 | 8.2 | RCHRES 714 | 2 |
| PERLND 52 | 361.9 | RCHRES 714 | 5 |
| PERLND 661 | 5327.2 | RCHRES 716 | 21 |

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| PERLND 662 | 2453.4 | RCHRES 716 | 51 |
| PERLND 663 | 1193.2 | RCHRES 716 | 51 |
| PERLND 664 | 2821.0 | RCHRES 716 | 51 |
| PERLND 665 | 368.0 | RCHRES 716 | 21 |
| PERLND 666 | 746.0 | RCHRES 716 | 21 |
| IMPLND 666 | 15.2 | RCHRES 716 | 11 |
| PERLND 667 | 22.8 | RCHRES 716 | 21 |
| IMPLND 667 | 0.5 | RCHRES 716 | 11 |
| PERLND 668 | 7.7 | RCHRES 716 | 21 |
| IMPLND 668 | 5.1 | RCHRES 716 | 11 |
| PERLND 669 | 76.6 | RCHRES 716 | 21 |
| PERLND 670 | 7.1 | RCHRES 716 | 21 |
| PERLND 672 | 248.3 | RCHRES 716 | 51 |
| RCHRES 714 | | RCHRES 716 | 31 |
| PERLND 81 | 3876.7 | RCHRES 718 | 21 |
| PERLND 82 | 1200.7 | RCHRES 718 | 51 |
| PERLND 83 | 692.3 | RCHRES 718 | 51 |
| PERLND 84 | 1749.1 | RCHRES 718 | 51 |
| PERLND 85 | 276.4 | RCHRES 718 | 21 |
| PERLND 86 | 324.5 | RCHRES 718 | 21 |
| IMPLND 86 | 6.6 | RCHRES 718 | 11 |
| PERLND 87 | 23.3 | RCHRES 718 | 21 |
| IMPLND 87 | 0.5 | RCHRES 718 | 11 |
| PERLND 88 | 1.3 | RCHRES 718 | 21 |
| IMPLND 88 | 0.9 | RCHRES 718 | 11 |
| PERLND 89 | 93.3 | RCHRES 718 | 21 |
| PERLND 90 | 3.7 | RCHRES 718 | 21 |
| PERLND 92 | 183.4 | RCHRES 718 | 51 |
| RCHRES 716 | | RCHRES 718 | 31 |
| PERLND 81 | 3300.2 | RCHRES 722 | 21 |
| PERLND 82 | 746.1 | RCHRES 722 | 51 |
| PERLND 83 | 452.2 | RCHRES 722 | 51 |
| PERLND 84 | 934.4 | RCHRES 722 | 51 |
| PERLND 85 | 181.2 | RCHRES 722 | 21 |
| PERLND 86 | 249.1 | RCHRES 722 | 21 |
| IMPLND 86 | 5.1 | RCHRES 722 | 11 |
| PERLND 87 | 8.5 | RCHRES 722 | 21 |
| IMPLND 87 | 0.2 | RCHRES 722 | 11 |
| PERLND 88 | 1.6 | RCHRES 722 | 21 |
| IMPLND 88 | 1.1 | RCHRES 722 | 11 |
| PERLND 89 | 7.7 | RCHRES 722 | 21 |
| PERLND 90 | 57.7 | RCHRES 722 | 21 |
| PERLND 92 | 114.1 | RCHRES 722 | 51 |
| RCHRES 718 | | RCHRES 722 | 31 |
| PERLND 81 | 3446.3 | RCHRES 723 | 21 |
| PERLND 82 | 1136.5 | RCHRES 723 | 51 |
| PERLND 83 | 778.6 | RCHRES 723 | 51 |
| PERLND 84 | 2756.7 | RCHRES 723 | 51 |
| PERLND 85 | 184.8 | RCHRES 723 | 21 |
| PERLND 86 | 648.9 | RCHRES 723 | 21 |
| IMPLND 86 | 13.2 | RCHRES 723 | 11 |
| PERLND 87 | 39.1 | RCHRES 723 | 21 |
| IMPLND 87 | 0.8 | RCHRES 723 | 11 |
| PERLND 88 | 10.0 | RCHRES 723 | 21 |
| IMPLND 88 | 6.7 | RCHRES 723 | 11 |
| PERLND 89 | 13.3 | RCHRES 723 | 21 |

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|---|---|---|---|---|
| PERLND | 92 | 173.6 | RCHRES 723 | 51 |
| PERLND | 81 | 1625.1 | RCHRES 724 | 21 |
| PERLND | 82 | 878.7 | RCHRES 724 | 51 |
| PERLND | 83 | 417.6 | RCHRES 724 | 51 |
| PERLND | 84 | 923.8 | RCHRES 724 | 51 |
| PERLND | 85 | 104.5 | RCHRES 724 | 21 |
| PERLND | 86 | 113.4 | RCHRES 724 | 21 |
| IMPLND | 86 | 2.3 | RCHRES 724 | 11 |
| PERLND | 87 | 5.5 | RCHRES 724 | 21 |
| IMPLND | 87 | 0.1 | RCHRES 724 | 11 |
| PERLND | 88 | 5.2 | RCHRES 724 | 21 |
| IMPLND | 88 | 3.5 | RCHRES 724 | 11 |
| PERLND | 89 | 12.6 | RCHRES 724 | 21 |
| PERLND | 90 | 6.4 | RCHRES 724 | 21 |
| PERLND | 92 | 134.4 | RCHRES 724 | 51 |
| RCHRES 712 | | | RCHRES 724 | 31 |
| RCHRES 722 | | | RCHRES 724 | 31 |
| PERLND | 81 | 2877.1 | RCHRES 725 | 21 |
| PERLND | 82 | 2527.2 | RCHRES 725 | 51 |
| PERLND | 83 | 1201.0 | RCHRES 725 | 51 |
| PERLND | 84 | 1637.9 | RCHRES 725 | 51 |
| PERLND | 85 | 163.1 | RCHRES 725 | 21 |
| PERLND | 86 | 663.4 | RCHRES 725 | 21 |
| IMPLND | 86 | 13.5 | RCHRES 725 | 11 |
| PERLND | 87 | 117.3 | RCHRES 725 | 21 |
| IMPLND | 87 | 2.4 | RCHRES 725 | 11 |
| PERLND | 88 | 28.4 | RCHRES 725 | 21 |
| IMPLND | 88 | 18.9 | RCHRES 725 | 11 |
| PERLND | 89 | 4.3 | RCHRES 725 | 21 |
| PERLND | 90 | 4.3 | RCHRES 725 | 21 |
| PERLND | 92 | 386.3 | RCHRES 725 | 51 |
| PERLND | 81 | 10870.5 | RCHRES 726 | 21 |
| PERLND | 82 | 3637.8 | RCHRES 726 | 51 |
| PERLND | 83 | 1625.8 | RCHRES 726 | 51 |
| PERLND | 84 | 3791.6 | RCHRES 726 | 51 |
| PERLND | 85 | 1626.6 | RCHRES 726 | 21 |
| PERLND | 86 | 980.7 | RCHRES 726 | 21 |
| IMPLND | 86 | 20.0 | RCHRES 726 | 11 |
| PERLND | 87 | 132.1 | RCHRES 726 | 21 |
| IMPLND | 87 | 2.7 | RCHRES 726 | 11 |
| PERLND | 88 | 32.7 | RCHRES 726 | 21 |
| IMPLND | 88 | 21.8 | RCHRES 726 | 11 |
| PERLND | 89 | 96.3 | RCHRES 726 | 21 |
| PERLND | 90 | 9.8 | RCHRES 726 | 21 |
| PERLND | 92 | 555.9 | RCHRES 726 | 51 |
| RCHRES 723 | | | RCHRES 726 | 31 |
| RCHRES 724 | | | RCHRES 726 | 31 |
| RCHRES 725 | | | RCHRES 726 | 31 |
| PERLND | 141 | 3036.6 | RCHRES 728 | 21 |
| PERLND | 142 | 2445.3 | RCHRES 728 | 51 |
| PERLND | 143 | 1156.4 | RCHRES 728 | 51 |
| PERLND | 144 | 885.5 | RCHRES 728 | 51 |
| PERLND | 145 | 1991.1 | RCHRES 728 | 21 |
| PERLND | 146 | 451.6 | RCHRES 728 | 21 |
| IMPLND | 146 | 9.2 | RCHRES 728 | 11 |
| PERLND | 147 | 21.7 | RCHRES 728 | 21 |

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| IMPLND 147 | 0.4 | RCHRES 728 | 11 |
| PERLND 148 | 15.0 | RCHRES 728 | 21 |
| IMPLND 148 | 10.0 | RCHRES 728 | 11 |
| PERLND 149 | 2.2 | RCHRES 728 | 21 |
| PERLND 150 | 4.5 | RCHRES 728 | 21 |
| PERLND 152 | 567.7 | RCHRES 728 | 51 |
| PERLND 141 | 3649.6 | RCHRES 732 | 21 |
| PERLND 142 | 188.9 | RCHRES 732 | 51 |
| PERLND 143 | 89.4 | RCHRES 732 | 51 |
| PERLND 144 | 132.2 | RCHRES 732 | 51 |
| PERLND 145 | 1029.5 | RCHRES 732 | 21 |
| PERLND 146 | 293.7 | RCHRES 732 | 21 |
| IMPLND 146 | 6.0 | RCHRES 732 | 11 |
| PERLND 147 | 5.9 | RCHRES 732 | 21 |
| IMPLND 147 | 0.1 | RCHRES 732 | 11 |
| PERLND 148 | 0.9 | RCHRES 732 | 21 |
| IMPLND 148 | 0.6 | RCHRES 732 | 11 |
| PERLND 149 | 2.9 | RCHRES 732 | 21 |
| PERLND 152 | 43.8 | RCHRES 732 | 51 |
| RCHRES 728 | | RCHRES 732 | 31 |
| PERLND 81 | 8863.8 | RCHRES 736 | 21 |
| PERLND 82 | 739.9 | RCHRES 736 | 51 |
| PERLND 83 | 233.5 | RCHRES 736 | 51 |
| PERLND 84 | 337.8 | RCHRES 736 | 51 |
| PERLND 85 | 1468.0 | RCHRES 736 | 21 |
| PERLND 86 | 474.0 | RCHRES 736 | 21 |
| IMPLND 86 | 9.7 | RCHRES 736 | 11 |
| PERLND 87 | 5.7 | RCHRES 736 | 21 |
| IMPLND 87 | 0.1 | RCHRES 736 | 11 |
| PERLND 89 | 48.7 | RCHRES 736 | 21 |
| PERLND 90 | 7.1 | RCHRES 736 | 21 |
| PERLND 92 | 113.1 | RCHRES 736 | 51 |
| RCHRES 726 | | RCHRES 736 | 31 |
| RCHRES 732 | | RCHRES 736 | 31 |
| PERLND 141 | 3247.9 | RCHRES 738 | 21 |
| PERLND 142 | 2075.5 | RCHRES 738 | 51 |
| PERLND 143 | 955.1 | RCHRES 738 | 51 |
| PERLND 144 | 894.1 | RCHRES 738 | 51 |
| PERLND 145 | 1814.7 | RCHRES 738 | 21 |
| PERLND 146 | 276.0 | RCHRES 738 | 21 |
| IMPLND 146 | 5.6 | RCHRES 738 | 11 |
| PERLND 147 | 16.8 | RCHRES 738 | 21 |
| IMPLND 147 | 0.3 | RCHRES 738 | 11 |
| PERLND 148 | 45.3 | RCHRES 738 | 21 |
| IMPLND 148 | 30.2 | RCHRES 738 | 11 |
| PERLND 149 | 2.0 | RCHRES 738 | 21 |
| PERLND 152 | 481.8 | RCHRES 738 | 51 |
| PERLND 141 | 12108.3 | RCHRES 742 | 21 |
| PERLND 142 | 415.8 | RCHRES 742 | 51 |
| PERLND 143 | 240.9 | RCHRES 742 | 51 |
| PERLND 144 | 471.9 | RCHRES 742 | 51 |
| PERLND 145 | 3026.8 | RCHRES 742 | 21 |
| PERLND 146 | 513.2 | RCHRES 742 | 21 |
| IMPLND 146 | 10.5 | RCHRES 742 | 11 |
| PERLND 147 | 3.4 | RCHRES 742 | 21 |
| IMPLND 147 | 0.1 | RCHRES 742 | 11 |

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| PERLND 148 | 1.5 | RCHRES 742 | 21 |
| IMPLND 148 | 1.0 | RCHRES 742 | 11 |
| PERLND 149 | 1.8 | RCHRES 742 | 21 |
| PERLND 152 | 96.5 | RCHRES 742 | 51 |
| RCHRES 738 | | RCHRES 742 | 31 |
| PERLND 621 | 6557.4 | RCHRES 746 | 21 |
| PERLND 622 | 1125.0 | RCHRES 746 | 51 |
| PERLND 623 | 362.5 | RCHRES 746 | 51 |
| PERLND 624 | 437.4 | RCHRES 746 | 51 |
| PERLND 625 | 840.8 | RCHRES 746 | 21 |
| PERLND 626 | 535.2 | RCHRES 746 | 21 |
| IMPLND 626 | 10.9 | RCHRES 746 | 11 |
| PERLND 627 | 17.3 | RCHRES 746 | 21 |
| IMPLND 627 | 0.4 | RCHRES 746 | 11 |
| PERLND 628 | 0.9 | RCHRES 746 | 21 |
| IMPLND 628 | 0.6 | RCHRES 746 | 11 |
| PERLND 629 | 31.4 | RCHRES 746 | 21 |
| PERLND 632 | 23.5 | RCHRES 746 | 51 |
| RCHRES 736 | | RCHRES 746 | 31 |
| RCHRES 742 | | RCHRES 746 | 31 |
| PERLND 621 | 5754.6 | RCHRES 748 | 21 |
| PERLND 622 | 2813.3 | RCHRES 748 | 51 |
| PERLND 623 | 1126.4 | RCHRES 748 | 51 |
| PERLND 624 | 2132.7 | RCHRES 748 | 51 |
| PERLND 625 | 953.9 | RCHRES 748 | 21 |
| PERLND 626 | 607.8 | RCHRES 748 | 21 |
| IMPLND 626 | 12.4 | RCHRES 748 | 11 |
| PERLND 627 | 44.2 | RCHRES 748 | 21 |
| IMPLND 627 | 0.9 | RCHRES 748 | 11 |
| PERLND 628 | 5.9 | RCHRES 748 | 21 |
| IMPLND 628 | 3.9 | RCHRES 748 | 11 |
| PERLND 629 | 54.9 | RCHRES 748 | 21 |
| PERLND 630 | 3.6 | RCHRES 748 | 21 |
| PERLND 632 | 59.0 | RCHRES 748 | 51 |
| RCHRES 746 | | RCHRES 748 | 31 |
| PERLND 621 | 2651.4 | RCHRES 751 | 21 |
| PERLND 622 | 1060.9 | RCHRES 751 | 51 |
| PERLND 623 | 425.2 | RCHRES 751 | 51 |
| PERLND 624 | 759.5 | RCHRES 751 | 51 |
| PERLND 625 | 149.8 | RCHRES 751 | 21 |
| PERLND 626 | 221.3 | RCHRES 751 | 21 |
| IMPLND 626 | 4.5 | RCHRES 751 | 11 |
| PERLND 628 | 1.0 | RCHRES 751 | 21 |
| IMPLND 628 | 0.7 | RCHRES 751 | 11 |
| PERLND 629 | 135.5 | RCHRES 751 | 21 |
| PERLND 632 | 22.3 | RCHRES 751 | 51 |
| RCHRES 748 | | RCHRES 751 | 31 |
| PERLND 621 | 1777.3 | RCHRES 752 | 21 |
| PERLND 622 | 376.7 | RCHRES 752 | 51 |
| PERLND 623 | 175.5 | RCHRES 752 | 51 |
| PERLND 624 | 316.9 | RCHRES 752 | 51 |
| PERLND 625 | 45.0 | RCHRES 752 | 21 |
| PERLND 626 | 99.4 | RCHRES 752 | 21 |
| IMPLND 626 | 2.0 | RCHRES 752 | 11 |
| PERLND 627 | 2.8 | RCHRES 752 | 21 |
| IMPLND 627 | 0.1 | RCHRES 752 | 11 |

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| PERLND 628 | 0.6 | RCHRES 752 | 21 |
| IMPLND 628 | 0.4 | RCHRES 752 | 11 |
| PERLND 629 | 63.8 | RCHRES 752 | 21 |
| PERLND 630 | 4.5 | RCHRES 752 | 21 |
| PERLND 632 | 7.9 | RCHRES 752 | 51 |
| RCHRES 751 | | RCHRES 752 | 31 |
| RCHRES 524 | | RCHRES 800 | 31 |
| PERLND 561 | 7035.5 | RCHRES 800 | 21 |
| PERLND 562 | 1002.9 | RCHRES 800 | 51 |
| PERLND 563 | 250.8 | RCHRES 800 | 51 |
| PERLND 564 | 291.5 | RCHRES 800 | 51 |
| PERLND 565 | 2201.5 | RCHRES 800 | 21 |
| PERLND 566 | 446.2 | RCHRES 800 | 21 |
| IMPLND 566 | 9.1 | RCHRES 800 | 11 |
| PERLND 567 | 3.9 | RCHRES 800 | 21 |
| IMPLND 567 | 0.1 | RCHRES 800 | 11 |
| PERLND 568 | 3.0 | RCHRES 800 | 21 |
| IMPLND 568 | 2.0 | RCHRES 800 | 11 |
| PERLND 569 | 284.3 | RCHRES 800 | 21 |
| PERLND 572 | 337.0 | RCHRES 800 | 51 |
| RCHRES 670 | | RCHRES 800 | 31 |
| PERLND 561 | 7695.9 | RCHRES 802 | 21 |
| PERLND 562 | 140.0 | RCHRES 802 | 51 |
| PERLND 563 | 102.4 | RCHRES 802 | 51 |
| PERLND 564 | 240.9 | RCHRES 802 | 51 |
| PERLND 565 | 1537.7 | RCHRES 802 | 21 |
| PERLND 566 | 409.0 | RCHRES 802 | 21 |
| IMPLND 566 | 8.3 | RCHRES 802 | 11 |
| PERLND 567 | 11.5 | RCHRES 802 | 21 |
| IMPLND 567 | 0.2 | RCHRES 802 | 11 |
| PERLND 568 | 4.1 | RCHRES 802 | 21 |
| IMPLND 568 | 2.8 | RCHRES 802 | 11 |
| PERLND 569 | 0.1 | RCHRES 802 | 21 |
| PERLND 572 | 46.9 | RCHRES 802 | 51 |
| PERLND 141 | 4510.7 | RCHRES 804 | 21 |
| PERLND 142 | 196.7 | RCHRES 804 | 51 |
| PERLND 143 | 88.5 | RCHRES 804 | 51 |
| PERLND 144 | 115.5 | RCHRES 804 | 51 |
| PERLND 145 | 343.3 | RCHRES 804 | 21 |
| PERLND 146 | 110.0 | RCHRES 804 | 21 |
| IMPLND 146 | 2.2 | RCHRES 804 | 11 |
| PERLND 149 | 9.3 | RCHRES 804 | 21 |
| PERLND 152 | 45.6 | RCHRES 804 | 51 |
| PERLND 621 | 4367.0 | RCHRES 805 | 21 |
| PERLND 622 | 284.8 | RCHRES 805 | 51 |
| PERLND 623 | 132.7 | RCHRES 805 | 51 |
| PERLND 624 | 121.6 | RCHRES 805 | 51 |
| PERLND 625 | 236.2 | RCHRES 805 | 21 |
| PERLND 626 | 121.1 | RCHRES 805 | 21 |
| IMPLND 626 | 2.5 | RCHRES 805 | 11 |
| PERLND 627 | 1.1 | RCHRES 805 | 21 |
| IMPLND 627 | 0.0 | RCHRES 805 | 11 |
| PERLND 629 | 4.0 | RCHRES 805 | 21 |
| PERLND 632 | 5.9 | RCHRES 805 | 51 |
| RCHRES 804 | | RCHRES 805 | 31 |
| PERLND 621 | 835.3 | RCHRES 806 | 21 |

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| PERLND 622 | 523.5 | RCHRES 806 | 51 |
| PERLND 623 | 274.1 | RCHRES 806 | 51 |
| PERLND 624 | 537.4 | RCHRES 806 | 51 |
| PERLND 625 | 52.4 | RCHRES 806 | 21 |
| PERLND 626 | 644.7 | RCHRES 806 | 21 |
| IMPLND 626 | 13.2 | RCHRES 806 | 11 |
| PERLND 627 | 895.4 | RCHRES 806 | 21 |
| IMPLND 627 | 18.3 | RCHRES 806 | 11 |
| PERLND 628 | 279.1 | RCHRES 806 | 21 |
| IMPLND 628 | 186.0 | RCHRES 806 | 11 |
| PERLND 629 | 10.0 | RCHRES 806 | 21 |
| PERLND 630 | 0.1 | RCHRES 806 | 21 |
| PERLND 632 | 11.0 | RCHRES 806 | 51 |
| PERLND 621 | 602.3 | RCHRES 807 | 21 |
| PERLND 622 | 1018.1 | RCHRES 807 | 51 |
| PERLND 623 | 436.3 | RCHRES 807 | 51 |
| PERLND 624 | 800.5 | RCHRES 807 | 51 |
| PERLND 625 | 103.4 | RCHRES 807 | 21 |
| PERLND 626 | 329.9 | RCHRES 807 | 21 |
| IMPLND 626 | 6.7 | RCHRES 807 | 11 |
| PERLND 627 | 306.9 | RCHRES 807 | 21 |
| IMPLND 627 | 6.3 | RCHRES 807 | 11 |
| PERLND 628 | 161.3 | RCHRES 807 | 21 |
| IMPLND 628 | 107.6 | RCHRES 807 | 11 |
| PERLND 629 | 10.5 | RCHRES 807 | 21 |
| PERLND 632 | 21.3 | RCHRES 807 | 51 |
| PERLND 621 | 252.5 | RCHRES 808 | 21 |
| PERLND 622 | 55.6 | RCHRES 808 | 51 |
| PERLND 623 | 42.3 | RCHRES 808 | 51 |
| PERLND 624 | 134.8 | RCHRES 808 | 51 |
| PERLND 625 | 35.9 | RCHRES 808 | 21 |
| PERLND 626 | 128.7 | RCHRES 808 | 21 |
| IMPLND 626 | 2.6 | RCHRES 808 | 11 |
| PERLND 627 | 154.9 | RCHRES 808 | 21 |
| IMPLND 627 | 3.2 | RCHRES 808 | 11 |
| PERLND 628 | 31.3 | RCHRES 808 | 21 |
| IMPLND 628 | 20.9 | RCHRES 808 | 11 |
| PERLND 632 | 1.2 | RCHRES 808 | 51 |
| RCHRES 806 | | RCHRES 808 | 31 |
| RCHRES 807 | | RCHRES 808 | 31 |
| PERLND 621 | 239.4 | RCHRES 809 | 21 |
| PERLND 622 | 52.5 | RCHRES 809 | 51 |
| PERLND 623 | 38.3 | RCHRES 809 | 51 |
| PERLND 624 | 92.3 | RCHRES 809 | 51 |
| PERLND 625 | 10.4 | RCHRES 809 | 21 |
| PERLND 626 | 59.1 | RCHRES 809 | 21 |
| IMPLND 626 | 1.2 | RCHRES 809 | 11 |
| PERLND 627 | 23.6 | RCHRES 809 | 21 |
| IMPLND 627 | 0.5 | RCHRES 809 | 11 |
| PERLND 628 | 12.2 | RCHRES 809 | 21 |
| IMPLND 628 | 8.1 | RCHRES 809 | 11 |
| PERLND 629 | 12.2 | RCHRES 809 | 21 |
| PERLND 632 | 1.0 | RCHRES 809 | 51 |
| RCHRES 808 | | RCHRES 809 | 31 |
| PERLND 561 | 5558.1 | RCHRES 810 | 21 |
| PERLND 562 | 338.1 | RCHRES 810 | 51 |

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| PERLND 563 | 144.0 | RCHRES 810 | 51 |
| PERLND 564 | 169.4 | RCHRES 810 | 51 |
| PERLND 565 | 995.3 | RCHRES 810 | 21 |
| PERLND 566 | 211.5 | RCHRES 810 | 21 |
| IMPLND 566 | 4.3 | RCHRES 810 | 11 |
| PERLND 567 | 6.8 | RCHRES 810 | 21 |
| IMPLND 567 | 0.1 | RCHRES 810 | 11 |
| PERLND 568 | 1.2 | RCHRES 810 | 21 |
| IMPLND 568 | 0.8 | RCHRES 810 | 11 |
| PERLND 569 | 56.9 | RCHRES 810 | 21 |
| PERLND 572 | 113.7 | RCHRES 810 | 51 |
| RCHRES 800 | | RCHRES 810 | 31 |
| PERLND 561 | 4581.8 | RCHRES 820 | 21 |
| PERLND 562 | 355.2 | RCHRES 820 | 51 |
| PERLND 563 | 122.3 | RCHRES 820 | 51 |
| PERLND 564 | 167.1 | RCHRES 820 | 51 |
| PERLND 565 | 1104.8 | RCHRES 820 | 21 |
| PERLND 566 | 209.7 | RCHRES 820 | 21 |
| IMPLND 566 | 4.3 | RCHRES 820 | 11 |
| PERLND 567 | 3.3 | RCHRES 820 | 21 |
| IMPLND 567 | 0.1 | RCHRES 820 | 11 |
| PERLND 568 | 5.5 | RCHRES 820 | 21 |
| IMPLND 568 | 3.6 | RCHRES 820 | 11 |
| PERLND 569 | 148.4 | RCHRES 820 | 21 |
| PERLND 570 | 1.3 | RCHRES 820 | 21 |
| PERLND 572 | 119.4 | RCHRES 820 | 51 |
| RCHRES 802 | | RCHRES 820 | 31 |
| RCHRES 810 | | RCHRES 820 | 31 |
| PERLND 561 | 8113.5 | RCHRES 830 | 21 |
| PERLND 562 | 799.5 | RCHRES 830 | 51 |
| PERLND 563 | 201.6 | RCHRES 830 | 51 |
| PERLND 564 | 298.6 | RCHRES 830 | 51 |
| PERLND 565 | 936.9 | RCHRES 830 | 21 |
| PERLND 566 | 320.0 | RCHRES 830 | 21 |
| IMPLND 566 | 6.5 | RCHRES 830 | 11 |
| PERLND 567 | 3.5 | RCHRES 830 | 21 |
| IMPLND 567 | 0.1 | RCHRES 830 | 11 |
| PERLND 568 | 0.7 | RCHRES 830 | 21 |
| IMPLND 568 | 0.4 | RCHRES 830 | 11 |
| PERLND 569 | 123.5 | RCHRES 830 | 21 |
| PERLND 570 | 3.1 | RCHRES 830 | 21 |
| PERLND 572 | 268.6 | RCHRES 830 | 51 |
| RCHRES 820 | | RCHRES 830 | 31 |
| PERLND 621 | 7542.6 | RCHRES 840 | 21 |
| PERLND 622 | 944.2 | RCHRES 840 | 51 |
| PERLND 623 | 209.5 | RCHRES 840 | 51 |
| PERLND 624 | 165.4 | RCHRES 840 | 51 |
| PERLND 625 | 584.2 | RCHRES 840 | 21 |
| PERLND 626 | 277.5 | RCHRES 840 | 21 |
| IMPLND 626 | 5.7 | RCHRES 840 | 11 |
| PERLND 627 | 5.5 | RCHRES 840 | 21 |
| IMPLND 627 | 0.1 | RCHRES 840 | 11 |
| PERLND 628 | 5.4 | RCHRES 840 | 21 |
| IMPLND 628 | 3.6 | RCHRES 840 | 11 |
| PERLND 629 | 258.9 | RCHRES 840 | 21 |
| PERLND 632 | 19.8 | RCHRES 840 | 51 |

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|---|---|---|---|
| RCHRES 830 | | RCHRES 840 | 31 |
| PERLND 621 | 3793.9 | RCHRES 850 | 21 |
| PERLND 622 | 1311.5 | RCHRES 850 | 51 |
| PERLND 623 | 210.4 | RCHRES 850 | 51 |
| PERLND 624 | 203.3 | RCHRES 850 | 51 |
| PERLND 625 | 834.5 | RCHRES 850 | 21 |
| PERLND 626 | 306.1 | RCHRES 850 | 21 |
| IMPLND 626 | 6.2 | RCHRES 850 | 11 |
| PERLND 627 | 11.8 | RCHRES 850 | 21 |
| IMPLND 627 | 0.2 | RCHRES 850 | 11 |
| PERLND 628 | 0.9 | RCHRES 850 | 21 |
| IMPLND 628 | 0.6 | RCHRES 850 | 11 |
| PERLND 629 | 171.9 | RCHRES 850 | 21 |
| PERLND 632 | 27.5 | RCHRES 850 | 51 |
| RCHRES 840 | | RCHRES 850 | 31 |
| PERLND 621 | 5837.3 | RCHRES 860 | 21 |
| PERLND 622 | 434.7 | RCHRES 860 | 51 |
| PERLND 623 | 107.1 | RCHRES 860 | 51 |
| PERLND 624 | 115.6 | RCHRES 860 | 51 |
| PERLND 625 | 364.7 | RCHRES 860 | 21 |
| PERLND 626 | 213.7 | RCHRES 860 | 21 |
| IMPLND 626 | 4.4 | RCHRES 860 | 11 |
| PERLND 627 | 0.5 | RCHRES 860 | 21 |
| IMPLND 627 | 0.0 | RCHRES 860 | 11 |
| PERLND 629 | 213.3 | RCHRES 860 | 21 |
| PERLND 632 | 9.0 | RCHRES 860 | 51 |
| RCHRES 850 | | RCHRES 860 | 31 |
| PERLND 621 | 6077.4 | RCHRES 870 | 21 |
| PERLND 622 | 913.1 | RCHRES 870 | 51 |
| PERLND 623 | 221.2 | RCHRES 870 | 51 |
| PERLND 624 | 466.8 | RCHRES 870 | 51 |
| PERLND 625 | 437.3 | RCHRES 870 | 21 |
| PERLND 626 | 456.7 | RCHRES 870 | 21 |
| IMPLND 626 | 9.3 | RCHRES 870 | 11 |
| PERLND 627 | 102.1 | RCHRES 870 | 21 |
| IMPLND 627 | 2.1 | RCHRES 870 | 11 |
| PERLND 628 | 16.7 | RCHRES 870 | 21 |
| IMPLND 628 | 11.1 | RCHRES 870 | 11 |
| PERLND 629 | 214.2 | RCHRES 870 | 21 |
| PERLND 630 | 5.6 | RCHRES 870 | 21 |
| PERLND 632 | 19.1 | RCHRES 870 | 51 |
| RCHRES 805 | | RCHRES 870 | 31 |
| RCHRES 860 | | RCHRES 870 | 31 |
| PERLND 621 | 1405.5 | RCHRES 880 | 21 |
| PERLND 622 | 800.8 | RCHRES 880 | 51 |
| PERLND 623 | 148.0 | RCHRES 880 | 51 |
| PERLND 624 | 276.6 | RCHRES 880 | 51 |
| PERLND 625 | 48.3 | RCHRES 880 | 21 |
| PERLND 626 | 213.4 | RCHRES 880 | 21 |
| IMPLND 626 | 4.4 | RCHRES 880 | 11 |
| PERLND 627 | 44.7 | RCHRES 880 | 21 |
| IMPLND 627 | 0.9 | RCHRES 880 | 11 |
| PERLND 628 | 9.1 | RCHRES 880 | 21 |
| IMPLND 628 | 6.1 | RCHRES 880 | 11 |
| PERLND 629 | 259.6 | RCHRES 880 | 21 |
| PERLND 632 | 16.7 | RCHRES 880 | 51 |

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|---|---|---|---|
| RCHRES 870 | | RCHRES 880 | 31 |
| PERLND 621 | 1458.1 | RCHRES 890 | 21 |
| PERLND 622 | 979.4 | RCHRES 890 | 51 |
| PERLND 623 | 291.2 | RCHRES 890 | 51 |
| PERLND 624 | 520.3 | RCHRES 890 | 51 |
| PERLND 625 | 98.1 | RCHRES 890 | 21 |
| PERLND 626 | 343.3 | RCHRES 890 | 21 |
| IMPLND 626 | 7.0 | RCHRES 890 | 11 |
| PERLND 627 | 21.4 | RCHRES 890 | 21 |
| IMPLND 627 | 0.4 | RCHRES 890 | 11 |
| PERLND 628 | 6.7 | RCHRES 890 | 21 |
| IMPLND 628 | 4.4 | RCHRES 890 | 11 |
| PERLND 629 | 165.7 | RCHRES 890 | 21 |
| PERLND 632 | 20.5 | RCHRES 890 | 51 |
| RCHRES 809 | | RCHRES 890 | 31 |
| RCHRES 880 | | RCHRES 890 | 31 |
| PERLND 621 | 8582.2 | RCHRES 900 | 21 |
| PERLND 622 | 5133.8 | RCHRES 900 | 51 |
| PERLND 623 | 2053.7 | RCHRES 900 | 51 |
| PERLND 624 | 4327.3 | RCHRES 900 | 51 |
| PERLND 625 | 547.6 | RCHRES 900 | 21 |
| PERLND 626 | 1254.4 | RCHRES 900 | 21 |
| IMPLND 626 | 25.6 | RCHRES 900 | 11 |
| PERLND 627 | 349.1 | RCHRES 900 | 21 |
| IMPLND 627 | 7.1 | RCHRES 900 | 11 |
| PERLND 628 | 196.3 | RCHRES 900 | 21 |
| IMPLND 628 | 130.9 | RCHRES 900 | 11 |
| PERLND 629 | 229.8 | RCHRES 900 | 21 |
| PERLND 630 | 23.6 | RCHRES 900 | 21 |
| PERLND 632 | 107.5 | RCHRES 900 | 51 |
| RCHRES 752 | | RCHRES 900 | 31 |
| RCHRES 890 | | RCHRES 900 | 31 |
| PERLND 81 | 469.9 | RCHRES 901 | 21 |
| PERLND 82 | 544.3 | RCHRES 901 | 51 |
| PERLND 83 | 194.4 | RCHRES 901 | 51 |
| PERLND 84 | 295.2 | RCHRES 901 | 51 |
| PERLND 85 | 40.2 | RCHRES 901 | 21 |
| PERLND 86 | 347.5 | RCHRES 901 | 21 |
| IMPLND 86 | 7.1 | RCHRES 901 | 11 |
| PERLND 87 | 422.1 | RCHRES 901 | 21 |
| IMPLND 87 | 8.6 | RCHRES 901 | 11 |
| PERLND 88 | 161.4 | RCHRES 901 | 21 |
| IMPLND 88 | 107.6 | RCHRES 901 | 11 |
| PERLND 92 | 83.3 | RCHRES 901 | 51 |
| PERLND 81 | 2128.7 | RCHRES 902 | 21 |
| PERLND 82 | 860.4 | RCHRES 902 | 51 |
| PERLND 83 | 408.4 | RCHRES 902 | 51 |
| PERLND 84 | 1480.4 | RCHRES 902 | 51 |
| PERLND 85 | 266.4 | RCHRES 902 | 21 |
| PERLND 86 | 260.2 | RCHRES 902 | 21 |
| IMPLND 86 | 5.3 | RCHRES 902 | 11 |
| PERLND 87 | 79.8 | RCHRES 902 | 21 |
| IMPLND 87 | 1.6 | RCHRES 902 | 11 |
| PERLND 88 | 31.8 | RCHRES 902 | 21 |
| IMPLND 88 | 21.2 | RCHRES 902 | 11 |
| PERLND 89 | 8.2 | RCHRES 902 | 21 |

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|---|---|---|---|
| PERLND 90 | 36.3 | RCHRES 902 | 21 |
| PERLND 92 | 131.6 | RCHRES 902 | 51 |
| RCHRES 901 | | RCHRES 902 | 31 |
| PERLND 81 | 4800.3 | RCHRES 904 | 21 |
| PERLND 82 | 1345.0 | RCHRES 904 | 51 |
| PERLND 83 | 873.4 | RCHRES 904 | 51 |
| PERLND 84 | 2364.2 | RCHRES 904 | 51 |
| PERLND 85 | 394.8 | RCHRES 904 | 21 |
| PERLND 86 | 444.2 | RCHRES 904 | 21 |
| IMPLND 86 | 9.1 | RCHRES 904 | 11 |
| PERLND 87 | 5.9 | RCHRES 904 | 21 |
| IMPLND 87 | 0.1 | RCHRES 904 | 11 |
| PERLND 88 | 2.0 | RCHRES 904 | 21 |
| IMPLND 88 | 1.3 | RCHRES 904 | 11 |
| PERLND 89 | 15.6 | RCHRES 904 | 21 |
| PERLND 90 | 15.4 | RCHRES 904 | 21 |
| PERLND 92 | 205.4 | RCHRES 904 | 51 |
| RCHRES 902 | | RCHRES 904 | 31 |
| PERLND 81 | 6795.8 | RCHRES 906 | 21 |
| PERLND 82 | 2963.7 | RCHRES 906 | 51 |
| PERLND 83 | 1745.4 | RCHRES 906 | 51 |
| PERLND 84 | 3999.1 | RCHRES 906 | 51 |
| PERLND 85 | 558.5 | RCHRES 906 | 21 |
| PERLND 86 | 792.0 | RCHRES 906 | 21 |
| IMPLND 86 | 16.2 | RCHRES 906 | 11 |
| PERLND 87 | 14.2 | RCHRES 906 | 21 |
| IMPLND 87 | 0.3 | RCHRES 906 | 11 |
| PERLND 88 | 10.1 | RCHRES 906 | 21 |
| IMPLND 88 | 6.8 | RCHRES 906 | 11 |
| PERLND 89 | 18.2 | RCHRES 906 | 21 |
| PERLND 92 | 452.9 | RCHRES 906 | 51 |
| RCHRES 904 | | RCHRES 906 | 31 |
| PERLND 321 | 4115.0 | RCHRES 908 | 21 |
| PERLND 322 | 2062.2 | RCHRES 908 | 51 |
| PERLND 323 | 1100.6 | RCHRES 908 | 51 |
| PERLND 324 | 2205.4 | RCHRES 908 | 51 |
| PERLND 325 | 166.9 | RCHRES 908 | 21 |
| PERLND 326 | 258.9 | RCHRES 908 | 21 |
| IMPLND 326 | 5.3 | RCHRES 908 | 11 |
| PERLND 329 | 1.6 | RCHRES 908 | 21 |
| PERLND 332 | 165.1 | RCHRES 908 | 51 |
| RCHRES 906 | | RCHRES 908 | 31 |
| PERLND 321 | 6811.0 | RCHRES 912 | 21 |
| PERLND 322 | 1038.5 | RCHRES 912 | 51 |
| PERLND 323 | 604.7 | RCHRES 912 | 51 |
| PERLND 324 | 1755.2 | RCHRES 912 | 51 |
| PERLND 325 | 660.2 | RCHRES 912 | 21 |
| PERLND 326 | 373.3 | RCHRES 912 | 21 |
| IMPLND 326 | 7.6 | RCHRES 912 | 11 |
| PERLND 327 | 9.1 | RCHRES 912 | 21 |
| IMPLND 327 | 0.2 | RCHRES 912 | 11 |
| PERLND 328 | 6.2 | RCHRES 912 | 21 |
| IMPLND 328 | 4.1 | RCHRES 912 | 11 |
| PERLND 329 | 6.5 | RCHRES 912 | 21 |
| PERLND 330 | 4.9 | RCHRES 912 | 21 |
| PERLND 332 | 83.1 | RCHRES 912 | 51 |

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RCHRES 908                          RCHRES 912     31
PERLND 321                 1727.0    RCHRES 914     21
PERLND 322                  170.8    RCHRES 914     51
PERLND 323                  121.4    RCHRES 914     51
PERLND 324                  318.7    RCHRES 914     51
PERLND 325                  145.9    RCHRES 914     21
PERLND 326                  119.8    RCHRES 914     21
IMPLND 326                    2.4    RCHRES 914     11
PERLND 327                    1.7    RCHRES 914     21
IMPLND 327                    0.0    RCHRES 914     11
PERLND 328                    0.3    RCHRES 914     21
IMPLND 328                    0.2    RCHRES 914     11
PERLND 329                   32.6    RCHRES 914     21
PERLND 332                   13.7    RCHRES 914     51
RCHRES 912                          RCHRES 914     31
PERLND 321                13693.8    RCHRES 916     21
PERLND 322                  775.7    RCHRES 916     51
PERLND 323                  328.3    RCHRES 916     51
PERLND 324                  340.7    RCHRES 916     51
PERLND 325                 1615.8    RCHRES 916     21
PERLND 326                  639.9    RCHRES 916     21
IMPLND 326                   13.1    RCHRES 916     11
PERLND 327                   37.6    RCHRES 916     21
IMPLND 327                    0.8    RCHRES 916     11
PERLND 328                    2.5    RCHRES 916     21
IMPLND 328                    1.7    RCHRES 916     11
PERLND 329                   12.7    RCHRES 916     21
PERLND 332                   62.1    RCHRES 916     51
*** areas of local drainage near Lake Tenkiller (no RCHRES)
*** subwatershed 918
PERLND 321    *****          1747.2    RCHRES 918     21
PERLND 322    *****           118.3    RCHRES 918     51
PERLND 323    *****           108.8    RCHRES 918     51
PERLND 324    *****           272.2    RCHRES 918     51
PERLND 325    *****           150.5    RCHRES 918     21
PERLND 326    *****           270.1    RCHRES 918     21
IMPLND 326    *****             5.5    RCHRES 918     11
PERLND 327    *****           240.0    RCHRES 918     21
IMPLND 327    *****             4.9    RCHRES 918     11
PERLND 328    *****            54.0    RCHRES 918     21
IMPLND 328    *****            36.0    RCHRES 918     11
PERLND 329    *****            11.0    RCHRES 918     21
PERLND 330    *****             1.4    RCHRES 918     21
PERLND 332    *****             9.5    RCHRES 918     51
PERLND 321                 8607.4    RCHRES 922     21
PERLND 322                  497.4    RCHRES 922     51
PERLND 323                  303.3    RCHRES 922     51
PERLND 324                  270.5    RCHRES 922     51
PERLND 325                  943.6    RCHRES 922     21
PERLND 326                  270.1    RCHRES 922     21
IMPLND 326                    5.5    RCHRES 922     11
PERLND 327                   21.7    RCHRES 922     21
IMPLND 327                    0.4    RCHRES 922     11
PERLND 328                    1.9    RCHRES 922     21
IMPLND 328                    1.2    RCHRES 922     11
PERLND 329                   15.3    RCHRES 922     21
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PERLND 332                    39.8     RCHRES 922     51
***4 lines below are just to make sure HSPEXP+ outputs rate from these PERLNDs
PERLND 642                     0     RCHRES 924     51
PERLND 643                     0     RCHRES 924     51
PERLND 644                     0     RCHRES 924     51
PERLND 652                     0     RCHRES 924     51
***Subwatershed 924
PERLND 321                  3336.9     RCHRES 924     21
PERLND 322                   347.0     RCHRES 924     51
PERLND 323                   236.6     RCHRES 924     51
PERLND 324                   875.7     RCHRES 924     51
PERLND 325                   272.2     RCHRES 924     21
PERLND 326                   269.7     RCHRES 924     21
IMPLND 326                     5.5     RCHRES 924     11
PERLND 327                    18.1     RCHRES 924     21
IMPLND 327                     0.4     RCHRES 924     11
PERLND 328                     6.0     RCHRES 924     21
IMPLND 328                     4.0     RCHRES 924     11
PERLND 329                    19.8     RCHRES 924     21
PERLND 332                    27.7     RCHRES 924     51
***Subwatershed 928
PERLND 321 ***               4263.4     RCHRES 928     21
PERLND 322 ***                580.0     RCHRES 928     51
PERLND 323 ***                348.1     RCHRES 928     51
PERLND 324 ***                167.8     RCHRES 928     51
PERLND 325 ***                470.1     RCHRES 928     21
PERLND 326 ***                685.8     RCHRES 928     21
IMPLND 326 ***                 14.0     RCHRES 928     11
PERLND 327 ***                100.9     RCHRES 928     21
IMPLND 327 ***                  2.1     RCHRES 928     11
PERLND 328 ***                 12.2     RCHRES 928     21
IMPLND 328 ***                  8.1     RCHRES 928     11
PERLND 329 ***                 18.0     RCHRES 928     21
PERLND 332 ***                 46.3     RCHRES 928     51
***Subwatershed 932
PERLND 321 ***               3072.9     RCHRES 932     21
PERLND 322 ***                139.8     RCHRES 932     51
PERLND 323 ***                146.5     RCHRES 932     51
PERLND 324 ***                672.6     RCHRES 932     51
PERLND 325 ***                404.1     RCHRES 932     21
PERLND 326 ***                247.2     RCHRES 932     21
IMPLND 326 ***                  5.0     RCHRES 932     11
PERLND 328 ***                  0.7     RCHRES 932     21
IMPLND 328 ***                  0.5     RCHRES 932     11
PERLND 329 ***                 12.8     RCHRES 932     21
PERLND 330 ***                  9.8     RCHRES 932     21
PERLND 332 ***                 11.2     RCHRES 932     51
***Subwatershed 936
PERLND 321                  4593.4     RCHRES 936     21
PERLND 322                     1.7     RCHRES 936     51
PERLND 323                     1.2     RCHRES 936     51
PERLND 324                     1.0     RCHRES 936     51
PERLND 325                   588.3     RCHRES 936     21
PERLND 326                   200.3     RCHRES 936     21
IMPLND 326                     4.1     RCHRES 936     11
PERLND 328                     1.7     RCHRES 936     21
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|---|---|---|---|
| IMPLND 328 | 1.2 | RCHRES 936 | 11 |
| PERLND 332 | 0.0 | RCHRES 936 | 51 |
| PERLND 321 | 1586.0 | RCHRES 938 | 21 |
| PERLND 325 | 95.9 | RCHRES 938 | 21 |
| PERLND 326 | 86.4 | RCHRES 938 | 21 |
| IMPLND 326 | 1.8 | RCHRES 938 | 11 |
| PERLND 321 *** | 5327.1 | RCHRES 942 | 21 |
| PERLND 322 *** | 0.0 | RCHRES 942 | 51 |
| PERLND 323 *** | 186.1 | RCHRES 942 | 51 |
| PERLND 324 *** | 683.8 | RCHRES 942 | 51 |
| PERLND 325 *** | 599.1 | RCHRES 942 | 21 |
| PERLND 326 *** | 461.9 | RCHRES 942 | 21 |
| IMPLND 326 *** | 9.4 | RCHRES 942 | 11 |
| PERLND 327 *** | 8.0 | RCHRES 942 | 21 |
| IMPLND 327 *** | 0.2 | RCHRES 942 | 11 |
| PERLND 328 *** | 0.9 | RCHRES 942 | 21 |
| IMPLND 328 *** | 0.6 | RCHRES 942 | 11 |
| PERLND 329 *** | 17.0 | RCHRES 942 | 21 |
| PERLND 332 *** | 153.3 | RCHRES 942 | 51 |
| PERLND 321 *** | 7200.3 | RCHRES 946 | 21 |
| PERLND 322 *** | 557.9 | RCHRES 946 | 51 |
| PERLND 323 *** | 294.1 | RCHRES 946 | 51 |
| PERLND 324 *** | 198.6 | RCHRES 946 | 51 |
| PERLND 325 *** | 1184.2 | RCHRES 946 | 21 |
| PERLND 326 *** | 814.0 | RCHRES 946 | 21 |
| IMPLND 326 *** | 16.6 | RCHRES 946 | 11 |
| PERLND 327 *** | 93.0 | RCHRES 946 | 21 |
| IMPLND 327 *** | 1.9 | RCHRES 946 | 11 |
| PERLND 328 *** | 11.5 | RCHRES 946 | 21 |
| IMPLND 328 *** | 7.7 | RCHRES 946 | 11 |
| PERLND 329 *** | 14.6 | RCHRES 946 | 21 |
| PERLND 332 *** | 44.5 | RCHRES 946 | 51 |
| PERLND 641 *** | 4926.3 | RCHRES 948 | 21 |
| PERLND 642 *** | 64.4 | RCHRES 948 | 51 |
| PERLND 643 *** | 31.7 | RCHRES 948 | 51 |
| PERLND 644 *** | 24.4 | RCHRES 948 | 51 |
| PERLND 645 *** | 659.9 | RCHRES 948 | 21 |
| PERLND 645 | 0 | RCHRES 900 | 21 |
| PERLND 646 *** | 375.3 | RCHRES 948 | 21 |
| PERLND 646 | 0 | RCHRES 900 | 21 |
| IMPLND 646 *** | 7.7 | RCHRES 948 | 11 |
| IMPLND 646 | 0 | RCHRES 900 | 11 |
| PERLND 647 | 0 | RCHRES 900 | 21 |
| PERLND 647 *** | 72.1 | RCHRES 948 | 21 |
| IMPLND 647 *** | 1.5 | RCHRES 948 | 11 |
| IMPLND 647 | 0 | RCHRES 900 | 11 |
| PERLND 648 *** | 9.4 | RCHRES 948 | 21 |
| PERLND 648 | 0 | RCHRES 900 | 21 |
| IMPLND 648 *** | 6.3 | RCHRES 948 | 11 |
| IMPLND 648 | 0 | RCHRES 900 | 11 |
| PERLND 649 *** | 15.3 | RCHRES 948 | 21 |
| PERLND 649 | 0 | RCHRES 900 | 21 |
| PERLND 652 *** | 5.2 | RCHRES 948 | 51 |
| PERLND 641 *** | 5083.3 | RCHRES 980 | 21 |
| PERLND 642 *** | 1872.3 | RCHRES 980 | 51 |
| PERLND 643 *** | 746.9 | RCHRES 980 | 51 |

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PERLND 644 ***          623.9    RCHRES 980    51
PERLND 645 ***          733.8    RCHRES 980    21
PERLND 646 ***          670.0    RCHRES 980    21
IMPLND 646 ***          13.7    RCHRES 980    11
PERLND 647 ***          100.1    RCHRES 980    21
IMPLND 647 ***          2.0    RCHRES 980    11
PERLND 648 ***          20.6    RCHRES 980    21
IMPLND 648 ***          13.7    RCHRES 980    11
PERLND 649 ***          213.1    RCHRES 980    21
PERLND 650 ***          12.3    RCHRES 980    21
PERLND 652 ***          129.5    RCHRES 980    51
PERLND 650              0    RCHRES 900    21
PERLND 641 ***          10525.6    RCHRES 990    21
PERLND 641              0    RCHRES 900    21
PERLND 642 ***          5197.9    RCHRES 990    51
PERLND 643 ***          1447.0    RCHRES 990    51
PERLND 644 ***          3806.0    RCHRES 990    51
PERLND 645 ***          759.1    RCHRES 990    21
PERLND 646 ***          1035.6    RCHRES 990    21
IMPLND 646 ***          21.1    RCHRES 990    11
PERLND 647 ***          282.1    RCHRES 990    21
IMPLND 647 ***          5.8    RCHRES 990    11
PERLND 648 ***          29.8    RCHRES 990    21
IMPLND 648 ***          19.9    RCHRES 990    11
PERLND 649 ***          314.2    RCHRES 990    21
PERLND 650 ***          557.6    RCHRES 990    21
PERLND 652 ***          359.4    RCHRES 990    51
RCHRES 980 ***                   RCHRES 990    31
***Following operations are to transfer WQ constituents to copy block for EFDC Model
***Subwatershed 900
PERLND 621              8582.2    COPY   900    82
PERLND 622              5133.8    COPY   900    85
PERLND 623              2053.7    COPY   900    85
PERLND 624              4327.3    COPY   900    85
PERLND 625              547.6    COPY   900    82
PERLND 626              1254.4    COPY   900    82
IMPLND 626              25.6    COPY   900    81
PERLND 627              349.1    COPY   900    82
IMPLND 627              7.1    COPY   900    81
PERLND 628              196.3    COPY   900    82
IMPLND 628              130.9    COPY   900    81
PERLND 629              229.8    COPY   900    82
PERLND 630              23.6    COPY   900    82
PERLND 632              107.5    COPY   900    85
***Subwatershed 914
PERLND 321              1727.0    COPY   914    82
PERLND 322              170.8    COPY   914    85
PERLND 323              121.4    COPY   914    85
PERLND 324              318.7    COPY   914    85
PERLND 325              145.9    COPY   914    82
PERLND 326              119.8    COPY   914    82
IMPLND 326              2.4    COPY   914    81
PERLND 327              1.7    COPY   914    82
IMPLND 327              0.0    COPY   914    81
PERLND 328              0.3    COPY   914    82
IMPLND 328              0.2    COPY   914    81
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PERLND 329          32.6    COPY   914    82
PERLND 332          13.7    COPY   914    85
***Subwatershed 918
PERLND 321        1747.2    COPY   918    82
PERLND 322         118.3    COPY   918    85
PERLND 323         108.8    COPY   918    85
PERLND 324         272.2    COPY   918    85
PERLND 325         150.5    COPY   918    82
PERLND 326         270.1    COPY   918    82
IMPLND 326           5.5    COPY   918    81
PERLND 327         240.0    COPY   918    82
IMPLND 327           4.9    COPY   918    81
PERLND 328          54.0    COPY   918    82
IMPLND 328          36.0    COPY   918    81
PERLND 329          11.0    COPY   918    82
PERLND 330           1.4    COPY   918    82
PERLND 332           9.5    COPY   918    85
*** subwatershed 924
PERLND 321        3336.9    COPY   924    82
PERLND 322         347.0    COPY   924    85
PERLND 323         236.6    COPY   924    85
PERLND 324         875.7    COPY   924    85
PERLND 325         272.2    COPY   924    82
PERLND 326         269.7    COPY   924    82
IMPLND 326           5.5    COPY   924    81
PERLND 327          18.1    COPY   924    82
IMPLND 327           0.4    COPY   924    81
PERLND 328           6.0    COPY   924    82
IMPLND 328           4.0    COPY   924    81
PERLND 329          19.8    COPY   924    82
PERLND 332          27.7    COPY   924    85
*** subwatershed 928
PERLND 321        4263.4    COPY   928    82
PERLND 322         580.0    COPY   928    85
PERLND 323         348.1    COPY   928    85
PERLND 324         167.8    COPY   928    85
PERLND 325         470.1    COPY   928    82
PERLND 326         685.8    COPY   928    82
IMPLND 326          14.0    COPY   928    81
PERLND 327         100.9    COPY   928    82
IMPLND 327           2.1    COPY   928    81
PERLND 328          12.2    COPY   928    82
IMPLND 328           8.1    COPY   928    81
PERLND 329          18.0    COPY   928    82
PERLND 332          46.3    COPY   928    85
PERLND 321        4344.6    COPY   928    82
*** subwatershed 932
PERLND 321        3072.9    COPY   932    82
PERLND 322         139.8    COPY   932    85
PERLND 323         146.5    COPY   932    85
PERLND 324         672.6    COPY   932    85
PERLND 325         404.1    COPY   932    82
PERLND 326         247.2    COPY   932    82
IMPLND 326           5.0    COPY   932    81
PERLND 328           0.7    COPY   932    82
IMPLND 328           0.5    COPY   932    81
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PERLND 329          12.8    COPY   932    82
PERLND 330           9.8    COPY   932    82
PERLND 332          11.2    COPY   932    85
*** subwatershed 942
PERLND 321        5327.1    COPY   942    82
PERLND 322           0.0    COPY   942    85
PERLND 323         186.1    COPY   942    85
PERLND 324         683.8    COPY   942    85
PERLND 325         599.1    COPY   942    82
PERLND 326         461.9    COPY   942    82
IMPLND 326           9.4    COPY   942    81
PERLND 327           8.0    COPY   942    82
IMPLND 327           0.2    COPY   942    81
PERLND 328           0.9    COPY   942    82
IMPLND 328           0.6    COPY   942    81
PERLND 329          17.0    COPY   942    82
PERLND 332         153.3    COPY   942    85
***Subwatershed 946
PERLND 321        7200.3    COPY   946    82
PERLND 322         557.9    COPY   946    85
PERLND 323         294.1    COPY   946    85
PERLND 324         198.6    COPY   946    85
PERLND 325        1184.2    COPY   946    82
PERLND 326         814.0    COPY   946    82
IMPLND 326          16.6    COPY   946    81
PERLND 327          93.0    COPY   946    82
IMPLND 327           1.9    COPY   946    81
PERLND 328          11.5    COPY   946    82
IMPLND 328           7.7    COPY   946    81
PERLND 329          14.6    COPY   946    82
PERLND 332          44.5    COPY   946    85
*** subwatershed 948
PERLND 641        4926.3    COPY   948    82
PERLND 642          64.4    COPY   948    85
PERLND 643          31.7    COPY   948    85
PERLND 644          24.4    COPY   948    85
PERLND 645         659.9    COPY   948    82
PERLND 646         375.3    COPY   948    82
IMPLND 646           7.7    COPY   948    81
PERLND 647          72.1    COPY   948    82
IMPLND 647           1.5    COPY   948    81
PERLND 648           9.4    COPY   948    82
IMPLND 648           6.3    COPY   948    81
PERLND 649          15.3    COPY   948    82
PERLND 652           5.2    COPY   948    85
***Subwatershed 980
PERLND 641        5083.3    COPY   980    82
PERLND 642        1872.3    COPY   980    85
PERLND 643         746.9    COPY   980    85
PERLND 644         623.9    COPY   980    85
PERLND 645         733.8    COPY   980    82
PERLND 646         670.0    COPY   980    82
IMPLND 646          13.7    COPY   980    81
PERLND 647         100.1    COPY   980    82
IMPLND 647           2.0    COPY   980    81
PERLND 648          20.6    COPY   980    82
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IMPLND 648                13.7     COPY   980     81
PERLND 649                213.1     COPY   980     82
PERLND 650                 12.3     COPY   980     82
PERLND 652                129.5     COPY   980     85
***Subwatershed 990
PERLND 641               10525.6     COPY   990     82
PERLND 642               5197.9     COPY   990     85
PERLND 643               1447.0     COPY   990     85
PERLND 644               3806.0     COPY   990     85
PERLND 645                759.1     COPY   990     82
PERLND 646               1035.6     COPY   990     82
IMPLND 646                21.1     COPY   990     81
PERLND 647                282.1     COPY   990     82
IMPLND 647                 5.8     COPY   990     81
PERLND 648                 29.8     COPY   990     82
IMPLND 648                19.9     COPY   990     81
PERLND 649                314.2     COPY   990     82
PERLND 650                557.6     COPY   990     82
PERLND 652                359.4     COPY   990     85
END SCHEMATIC

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Aggr Amd ***
<Name>   x        <Name> x x<-factor->strg <Name>   x <Name>qf  tem strg strg***
RCHRES 502 HYDR   RO     1 1         AVER WDM1   502 FLOW   1 ENGL AGGR REPL
RCHRES 502 SEDTRN SSED   4 1              WDM1  7004 SSED4  1 ENGL AGGR REPL
RCHRES 502 HYDR   RO     1 1         AVER WDM1  5001 FLOW   1 ENGL AGGR REPL
RCHRES 502 OXRX   DOX    1 1             WDM1  5021 DOX    1 ENGL AGGR REPL
RCHRES 502 OXRX   BOD    1 1             WDM1  5022 BOD    1 ENGL AGGR REPL
RCHRES 502 NUTRX  DNUST  1 1               WDM1  5023 DNUST  1 ENGL AGGR REPL
RCHRES 502 NUTRX  DNUST  2 1               WDM1  5024 DNUST  1 ENGL AGGR REPL
RCHRES 502 NUTRX  DNUST  4 1               WDM1  5025 DNUST  1 ENGL AGGR REPL
RCHRES 502 PLANK  PKST3  4 1              WDM1  5026 PKST3  1 ENGL AGGR REPL
RCHRES 502 PLANK  PKST3  5 1              WDM1  5027 PKST3  1 ENGL AGGR REPL
RCHRES 502 PLANK  PKST3  6 1              WDM1  5028 PKST3  1 ENGL AGGR REPL
RCHRES 502 PLANK  PKST4  1 1              WDM1  5029 PKST4  1 ENGL AGGR REPL
RCHRES 502 PLANK  PKST4  2 1              WDM1  5030 PKST4  1 ENGL AGGR REPL
RCHRES 502 PLANK  PHYCLA 1 1               WDM1  5031 CHLO   1 ENGL AGGR REPL
RCHRES 502 PLANK  BALCLA 1 1               WDM1  5032 CHLO   1 ENGL AGGR REPL
RCHRES 502 PLANK  TPKCF1 4 1          SAME WDM1  5033 TNLD   1 ENGL      REPL
RCHRES 502 PLANK  TPKCF1 5 1          SAME WDM1  5034 TPLD   1 ENGL      REPL

RCHRES 732 HYDR   RO     1 1         AVER WDM1   732 FLOW   1 ENGL AGGR REPL

*** Osage Creek at Elm Springs 7195000-Calibrate
RCHRES 316 HYDR   RO     1 1         AVER WDM1   316 FLOW   1 ENGL AGGR REPL
RCHRES 316 ROFLOW ROVOL  1 1 1.4455e-4     WDM1  3161 SIMQ   1 ENGL AGGR REPL
RCHRES 316 SEDTRN SSED   4 1              WDM1  7002 SSED4  1 ENGL AGGR REPL
RCHRES 316 HYDR   RO     1 1         AVER WDM1  5010 FLOW   1 ENGL AGGR REPL
RCHRES 316 HTRCH  TW     1 1             WDM1  8002 TW     1 ENGL AGGR REPL
RCHRES 316 SEDTRN ROSED  4 1               WDM1  7093 ROSED4 1 ENGL AGGR REPL
RCHRES 316 OXRX   DOX    1 1             WDM1  3171 DOX    1 ENGL AGGR REPL
RCHRES 316 OXRX   BOD    1 1             WDM1  3172 BOD    1 ENGL AGGR REPL
RCHRES 316 NUTRX  DNUST  1 1               WDM1  3173 DNUST  1 ENGL AGGR REPL
RCHRES 316 NUTRX  DNUST  2 1               WDM1  3174 DNUST  1 ENGL AGGR REPL
RCHRES 316 NUTRX  DNUST  4 1               WDM1  3175 DNUST  1 ENGL AGGR REPL
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RCHRES 316 PLANK  PKST3  4 1          WDM1  3176 PKST3  1 ENGL AGGR REPL
RCHRES 316 PLANK  PKST3  5 1          WDM1  3177 PKST3  1 ENGL AGGR REPL
RCHRES 316 PLANK  PKST3  6 1          WDM1  3178 PKST3  1 ENGL AGGR REPL
RCHRES 316 PLANK  PKST4  1 1          WDM1  3179 PKST4  1 ENGL AGGR REPL
RCHRES 316 PLANK  PKST4  2 1          WDM1  3180 PKST4  1 ENGL AGGR REPL
RCHRES 316 PLANK  PHYCLA 1 1          WDM1  3181 CHLO   1 ENGL AGGR REPL
RCHRES 316 PLANK  BALCLA 1 1          WDM1  3182 BALCLA 1 ENGL AGGR REPL
RCHRES 316 PLANK  TPKCF1 4 1       SAME WDM1  3183 TNLD   1 ENGL      REPL
RCHRES 316 PLANK  TPKCF1 5 1       SAME WDM1  3184 TPLD   1 ENGL      REPL

*** Sager Creek near West Siloam Springs 7195865-Calibrate
RCHRES 516 HYDR   RO     1 1       AVER WDM1   516 FLOW   1 ENGL AGGR REPL
RCHRES 516 ROFLOW ROVOL  1 1 9.8096e-4     WDM1  5161 SIMQ   1 ENGL AGGR REPL
RCHRES 516 SEDTRN SSED   4 1          WDM1  7007 SSED4  1 ENGL AGGR REPL
RCHRES 516 HYDR   RO     1 1       AVER WDM1  5011 FLOW   1 ENGL AGGR REPL
RCHRES 516 HTRCH  TW     1 1          WDM1  8005 TW     1 ENGL AGGR REPL
RCHRES 516 SEDTRN ROSED  4 1          WDM1  7094 ROSED4 1 ENGL AGGR REPL
RCHRES 516 OXRX   DOX    1 1          WDM1  5171 DOX    1 ENGL AGGR REPL
RCHRES 516 OXRX   BOD    1 1          WDM1  5172 BOD    1 ENGL AGGR REPL
RCHRES 516 NUTRX  DNUST  1 1          WDM1  5173 DNUST  1 ENGL AGGR REPL
RCHRES 516 NUTRX  DNUST  2 1          WDM1  5174 DNUST  1 ENGL AGGR REPL
RCHRES 516 NUTRX  DNUST  4 1          WDM1  5175 DNUST  1 ENGL AGGR REPL
RCHRES 516 PLANK  PKST3  4 1          WDM1  5176 PKST3  1 ENGL AGGR REPL
RCHRES 516 PLANK  PKST3  5 1          WDM1  5177 PKST3  1 ENGL AGGR REPL
RCHRES 516 PLANK  PKST3  6 1          WDM1  5178 PKST3  1 ENGL AGGR REPL
RCHRES 516 PLANK  PKST4  1 1          WDM1  5179 PKST4  1 ENGL AGGR REPL
RCHRES 516 PLANK  PKST4  2 1          WDM1  5180 PKST4  1 ENGL AGGR REPL
RCHRES 516 PLANK  PHYCLA 1 1          WDM1  5181 CHLO   1 ENGL AGGR REPL
RCHRES 516 PLANK  BALCLA 1 1          WDM1  5182 BALCLA 1 ENGL AGGR REPL
RCHRES 516 PLANK  TPKCF1 4 1       SAME WDM1  5183 TNLD   1 ENGL      REPL
RCHRES 516 PLANK  TPKCF1 5 1       SAME WDM1  5184 TPLD   1 ENGL      REPL

*** Baron Fork at Dutch Mills 7196900-Calibrate
RCHRES 706 HYDR   RO     1 1       AVER WDM1   706 FLOW   1 ENGL AGGR REPL
RCHRES 706 ROFLOW ROVOL  1 1 4.5661e-4     WDM1  7061 SIMQ   1 ENGL AGGR REPL
RCHRES 706 SEDTRN SSED   4 1          WDM1  7012 SSED4  1 ENGL AGGR REPL
RCHRES 706 HYDR   RO     1 1       AVER WDM1  5006 FLOW   1 ENGL AGGR REPL
RCHRES 706 HTRCH  TW     1 1          WDM1  8008 TW     1 ENGL AGGR REPL
RCHRES 706 SEDTRN ROSED  4 1          WDM1  7088 ROSED4 1 ENGL AGGR REPL
RCHRES 706 OXRX   DOX    1 1          WDM1  7101 DOX    1 ENGL AGGR REPL
RCHRES 706 OXRX   BOD    1 1          WDM1  7102 BOD    1 ENGL AGGR REPL
RCHRES 706 NUTRX  DNUST  1 1          WDM1  7103 DNUST  1 ENGL AGGR REPL
RCHRES 706 NUTRX  DNUST  2 1          WDM1  7104 DNUST  1 ENGL AGGR REPL
RCHRES 706 NUTRX  DNUST  4 1          WDM1  7105 DNUST  1 ENGL AGGR REPL
RCHRES 706 PLANK  PKST3  4 1          WDM1  7106 PKST3  1 ENGL AGGR REPL
RCHRES 706 PLANK  PKST3  5 1          WDM1  7107 PKST3  1 ENGL AGGR REPL
RCHRES 706 PLANK  PKST3  6 1          WDM1  7108 PKST3  1 ENGL AGGR REPL
RCHRES 706 PLANK  PKST4  1 1          WDM1  7109 PKST4  1 ENGL AGGR REPL
RCHRES 706 PLANK  PKST4  2 1          WDM1  7110 PKST4  1 ENGL AGGR REPL
RCHRES 706 PLANK  PHYCLA 1 1          WDM1  7111 CHLO   1 ENGL AGGR REPL
RCHRES 706 PLANK  BALCLA 1 1          WDM1  7112 BALCLA 1 ENGL AGGR REPL
RCHRES 706 PLANK  TPKCF1 4 1       SAME WDM1  7113 TNLD   1 ENGL      REPL
RCHRES 706 PLANK  TPKCF1 5 1       SAME WDM1  7114 TPLD   1 ENGL      REPL

*** Evansville Creek at State Line
RCHRES 714 PLANK  TPKCF1 4 1       SAME WDM1  7143 TNLD   1 ENGL      REPL
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RCHRES 714 PLANK  TPKCF1 5 1        SAME WDM1  7144 TPLD   1 ENGL      REPL
RCHRES 714 SEDTRN ROSED  4 1             WDM1  7145 ROSED4 1 ENGL AGGR REPL

RCHRES 512 HYDR   RO     1 1        AVER WDM1   512 FLOW   1 ENGL AGGR REPL
RCHRES 512 SEDTRN SSED   4 1             WDM1  7013 SSED4  1 ENGL AGGR REPL
RCHRES 512 HYDR   RO     1 1        AVER WDM1  5012 FLOW   1 ENGL AGGR REPL
RCHRES 512 OXRX   DOX    1 1            WDM1  5121 DOX    1 ENGL AGGR REPL
RCHRES 512 OXRX   BOD    1 1            WDM1  5122 BOD    1 ENGL AGGR REPL
RCHRES 512 NUTRX  DNUST  1 1              WDM1  5123 DNUST  1 ENGL AGGR REPL
RCHRES 512 NUTRX  DNUST  2 1              WDM1  5124 DNUST  1 ENGL AGGR REPL
RCHRES 512 NUTRX  DNUST  4 1              WDM1  5125 DNUST  1 ENGL AGGR REPL
RCHRES 512 PLANK  PKST3  4 1             WDM1  5126 PKST3  1 ENGL AGGR REPL
RCHRES 512 PLANK  PKST3  5 1             WDM1  5127 PKST3  1 ENGL AGGR REPL
RCHRES 512 PLANK  PKST3  6 1             WDM1  5128 PKST3  1 ENGL AGGR REPL
RCHRES 512 PLANK  PKST4  1 1             WDM1  5129 PKST4  1 ENGL AGGR REPL
RCHRES 512 PLANK  PKST4  2 1             WDM1  5130 PKST4  1 ENGL AGGR REPL
RCHRES 512 PLANK  PHYCLA 1 1              WDM1  5131 CHLO   1 ENGL AGGR REPL
RCHRES 512 PLANK  BALCLA 1 1              WDM1  5132 BALCLA 1 ENGL AGGR REPL
RCHRES 512 PLANK  TPKCF1 4 1        SAME WDM1  5133 TNLD   1 ENGL      REPL
RCHRES 512 PLANK  TPKCF1 5 1        SAME WDM1  5134 TPLD   1 ENGL      REPL

*** Flint Creek at Kansas 7196000-Calibrate
RCHRES 523 HYDR   RO     1 1        AVER WDM1   523 FLOW   1 ENGL AGGR REPL
RCHRES 523 ROFLOW ROVOL  1 1 .00016316     WDM1  5231 SIMQ   1 ENGL AGGR REPL
RCHRES 523 SEDTRN SSED   4 1             WDM1  7008 SSED4  1 ENGL AGGR REPL
RCHRES 523 HYDR   RO     1 1        AVER WDM1  5003 FLOW   1 ENGL AGGR REPL
RCHRES 523 HTRCH  TW     1 1            WDM1  8006 TW     1 ENGL AGGR REPL
RCHRES 523 SEDTRN ROSED  4 1             WDM1  7058 ROSED4 1 ENGL AGGR REPL
RCHRES 523 OXRX   DOX    1 1            WDM1  5241 DOX    1 ENGL AGGR REPL
RCHRES 523 OXRX   BOD    1 1            WDM1  5242 BOD    1 ENGL AGGR REPL
RCHRES 523 NUTRX  DNUST  1 1              WDM1  5243 DNUST  1 ENGL AGGR REPL
RCHRES 523 NUTRX  DNUST  2 1              WDM1  5244 DNUST  1 ENGL AGGR REPL
RCHRES 523 NUTRX  DNUST  4 1              WDM1  5245 DNUST  1 ENGL AGGR REPL
RCHRES 523 PLANK  PKST3  4 1             WDM1  5246 PKST3  1 ENGL AGGR REPL
RCHRES 523 PLANK  PKST3  5 1             WDM1  5247 PKST3  1 ENGL AGGR REPL
RCHRES 523 PLANK  PKST3  6 1             WDM1  5248 PKST3  1 ENGL AGGR REPL
RCHRES 523 PLANK  PKST4  1 1             WDM1  5249 PKST4  1 ENGL AGGR REPL
RCHRES 523 PLANK  PKST4  2 1             WDM1  5250 PKST4  1 ENGL AGGR REPL
RCHRES 523 PLANK  PHYCLA 1 1              WDM1  5251 CHLO   1 ENGL AGGR REPL
RCHRES 523 PLANK  BALCLA 1 1              WDM1  5252 BALCLA 1 ENGL AGGR REPL
RCHRES 523 PLANK  TPKCF1 4 1        SAME WDM1  5253 TNLD   1 ENGL      REPL
RCHRES 523 PLANK  TPKCF1 5 1        SAME WDM1  5254 TPLD   1 ENGL      REPL
RCHRES 524 PLANK  PKST4  2 1             WDM1  5255 PKST4  1 ENGL      REPL
*** Caney Creek near Barber 7197360-Calibrate
RCHRES 912 HYDR   RO     1 1        AVER WDM1   912 FLOW   1 ENGL AGGR REPL
RCHRES 912 ROFLOW ROVOL  1 1 2.0793e-4     WDM1  9121 SIMQ   1 ENGL AGGR REPL
RCHRES 912 SEDTRN SSED   4 1             WDM1  7011 SSED4  1 ENGL AGGR REPL
RCHRES 912 HYDR   RO     1 1        AVER WDM1  5009 FLOW   1 ENGL AGGR REPL
RCHRES 912 HTRCH  TW     1 1            WDM1  8010 TW     1 ENGL AGGR REPL
RCHRES 912 SEDTRN ROSED  4 1             WDM1  7092 ROSED4 1 ENGL AGGR REPL
RCHRES 912 OXRX   DOX    1 1            WDM1  9101 DOX    1 ENGL AGGR REPL
RCHRES 912 OXRX   BOD    1 1            WDM1  9102 BOD    1 ENGL AGGR REPL
RCHRES 912 NUTRX  DNUST  1 1              WDM1  9103 DNUST  1 ENGL AGGR REPL
RCHRES 912 NUTRX  DNUST  2 1              WDM1  9104 DNUST  1 ENGL AGGR REPL
RCHRES 912 NUTRX  DNUST  4 1              WDM1  9105 DNUST  1 ENGL AGGR REPL
RCHRES 912 PLANK  PKST3  4 1             WDM1  9106 PKST3  1 ENGL AGGR REPL
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RCHRES 912 PLANK  PKST3  5 1            WDM1  9107 PKST3  1 ENGL AGGR REPL
RCHRES 912 PLANK  PKST3  6 1            WDM1  9108 PKST3  1 ENGL AGGR REPL
RCHRES 912 PLANK  PKST4  1 1            WDM1  9109 PKST4  1 ENGL AGGR REPL
RCHRES 912 PLANK  PKST4  2 1            WDM1  9110 PKST4  1 ENGL AGGR REPL
RCHRES 912 PLANK  PHYCLA 1 1            WDM1  9111 CHLO   1 ENGL AGGR REPL
RCHRES 912 PLANK  BALCLA 1 1            WDM1  9112 BALCLA 1 ENGL AGGR REPL
RCHRES 912 PLANK  TPKCF1 4 1        SAME WDM1  9113 TNLD   1 ENGL      REPL
RCHRES 912 PLANK  TPKCF1 5 1        SAME WDM1  9114 TPLD   1 ENGL      REPL

*** Dry Creek
RCHRES 916 HYDR   RO     1 1        AVER WDM1   916 FLOW   1 ENGL AGGR REPL
RCHRES 916 ROFLOW ROVOL  1 1 2.0793e-4     WDM1  9161 SIMQ   1 ENGL AGGR REPL
RCHRES 916 SEDTRN SSED   4 1            WDM1  9162 SSED4  1 ENGL AGGR REPL
RCHRES 916 HYDR   RO     1 1        AVER WDM1  9163 FLOW   1 ENGL AGGR REPL
RCHRES 916 HTRCH  TW     1 1            WDM1  9164 TW     1 ENGL AGGR REPL
RCHRES 916 SEDTRN ROSED  4 1            WDM1  9165 ROSED4 1 ENGL AGGR REPL
RCHRES 916 OXRX   DOX    1 1            WDM1  9166 DOX    1 ENGL AGGR REPL
RCHRES 916 OXRX   BOD    1 1            WDM1  9167 BOD    1 ENGL AGGR REPL
RCHRES 916 NUTRX  DNUST  1 1            WDM1  9168 DNUST  1 ENGL AGGR REPL
RCHRES 916 NUTRX  DNUST  2 1            WDM1  9169 DNUST  1 ENGL AGGR REPL
RCHRES 916 NUTRX  DNUST  4 1            WDM1  9170 DNUST  1 ENGL AGGR REPL
RCHRES 916 PLANK  PKST3  4 1            WDM1  9171 PKST3  1 ENGL AGGR REPL
RCHRES 916 PLANK  PKST3  5 1            WDM1  9172 PKST3  1 ENGL AGGR REPL
RCHRES 916 PLANK  PKST3  6 1            WDM1  9173 PKST3  1 ENGL AGGR REPL
RCHRES 916 PLANK  PKST4  1 1            WDM1  9174 PKST4  1 ENGL AGGR REPL
RCHRES 916 PLANK  PKST4  2 1            WDM1  9175 PKST4  1 ENGL AGGR REPL
RCHRES 916 PLANK  PHYCLA 1 1            WDM1  9176 CHLO   1 ENGL AGGR REPL
RCHRES 916 PLANK  BALCLA 1 1            WDM1  9177 BALCLA 1 ENGL AGGR REPL

***Composite concentration of RCHRES 900, 914, and 916
GENER  800 OUTPUT TIMSER 1 1            WDM1  8011 SSED4  1 ENGL AGGR REPL
***Composite temperature of RCHRES 900, 914, and 916
GENER  802 OUTPUT TIMSER 1 1            WDM1  8012 TW     1 ENGL AGGR REPL

*** Baron Fork at Eldon 7197000-Calibrate
PERLND 621 PSTEMP SLTMP  1 1            WDM1  7054 SLTMP  1 ENGL AGGR REPL
PERLND 621 PSTEMP ULTMP  1 1            WDM1  7055 ULTMP  1 ENGL AGGR REPL
PERLND 621 PSTEMP LGTMP  1 1            WDM1  7057 LGTMP  1 ENGL AGGR REPL
PERLND 622 PSTEMP SLTMP  1 1            WDM1  7079 SLTMP  1 ENGL AGGR REPL
PERLND 622 PSTEMP ULTMP  1 1            WDM1  7080 ULTMP  1 ENGL AGGR REPL
PERLND 622 PSTEMP LGTMP  1 1            WDM1  7096 LGTMP  1 ENGL AGGR REPL
PERLND 626 PSTEMP SLTMP  1 1            WDM1  7082 SLTMP  1 ENGL AGGR REPL
PERLND 626 PSTEMP ULTMP  1 1            WDM1  7083 ULTMP  1 ENGL AGGR REPL
PERLND 626 PSTEMP LGTMP  1 1            WDM1  7084 LGTMP  1 ENGL AGGR REPL
PERLND 629 PSTEMP SLTMP  1 1            WDM1  7085 SLTMP  1 ENGL AGGR REPL
PERLND 629 PSTEMP ULTMP  1 1            WDM1  7086 ULTMP  1 ENGL AGGR REPL
PERLND 629 PSTEMP LGTMP  1 1            WDM1  7087 LGTMP  1 ENGL AGGR REPL
RCHRES 746 HYDR   RO     1 1        AVER WDM1   746 FLOW   1 ENGL AGGR REPL
RCHRES 746 ROFLOW ROVOL  1 1 6.0215e-5     WDM1  7461 SIMQ   1 ENGL AGGR REPL
RCHRES 746 SEDTRN SSED   4 1            WDM1  7009 SSED4  1 ENGL AGGR REPL
RCHRES 746 HYDR   RO     1 1        AVER WDM1  5007 FLOW   1 ENGL AGGR REPL
RCHRES 746 HTRCH  TW     1 1            WDM1  8009 TW     1 ENGL AGGR REPL
RCHRES 746 SEDTRN ROSED  4 1            WDM1  7089 ROSED4 1 ENGL AGGR REPL
RCHRES 746 OXRX   DOX    1 1            WDM1  7471 DOX    1 ENGL AGGR REPL
RCHRES 746 OXRX   BOD    1 1            WDM1  7472 BOD    1 ENGL AGGR REPL
RCHRES 746 NUTRX  DNUST  1 1            WDM1  7473 DNUST  1 ENGL AGGR REPL
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RCHRES 746 NUTRX  DNUST  2 1          WDM1  7474 DNUST  1 ENGL AGGR REPL
RCHRES 746 NUTRX  DNUST  4 1          WDM1  7475 DNUST  1 ENGL AGGR REPL
RCHRES 746 PLANK  PKST3  4 1          WDM1  7476 PKST3  1 ENGL AGGR REPL
RCHRES 746 PLANK  PKST3  5 1          WDM1  7477 PKST3  1 ENGL AGGR REPL
RCHRES 746 PLANK  PKST3  6 1          WDM1  7478 PKST3  1 ENGL AGGR REPL
RCHRES 746 PLANK  PKST4  1 1          WDM1  7479 PKST4  1 ENGL AGGR REPL
RCHRES 746 PLANK  PKST4  2 1          WDM1  7480 PKST4  1 ENGL AGGR REPL
RCHRES 746 PLANK  PHYCLA 1 1          WDM1  7481 CHLO   1 ENGL AGGR REPL
RCHRES 746 PLANK  BALCLA 1 1          WDM1  7482 BALCLA 1 ENGL AGGR REPL
RCHRES 746 PLANK  TPKCF1 4 1       SAME WDM1  7483 TNLD   1 ENGL      REPL
RCHRES 746 PLANK  TPKCF1 5 1       SAME WDM1  7484 TPLD   1 ENGL      REPL

RCHRES 130 HYDR   RO     1 1       AVER WDM1   130 FLOW   1 ENGL AGGR REPL

*** Illinois River at Savoy 7194800-Calibrate
PERLND 281 PSTEMP SLTMP  1 1          WDM1  7051 SLTMP  1 ENGL AGGR REPL
PERLND 281 PSTEMP ULTMP  1 1          WDM1  7052 ULTMP  1 ENGL AGGR REPL
PERLND 281 PSTEMP LGTMP  1 1          WDM1  7053 LGTMP  1 ENGL AGGR REPL
PERLND 282 PSTEMP SLTMP  1 1          WDM1  7070 SLTMP  1 ENGL AGGR REPL
PERLND 282 PSTEMP ULTMP  1 1          WDM1  7071 ULTMP  1 ENGL AGGR REPL
PERLND 282 PSTEMP LGTMP  1 1          WDM1  7072 LGTMP  1 ENGL AGGR REPL
PERLND 286 PSTEMP SLTMP  1 1          WDM1  7073 SLTMP  1 ENGL AGGR REPL
PERLND 286 PSTEMP ULTMP  1 1          WDM1  7074 ULTMP  1 ENGL AGGR REPL
PERLND 286 PSTEMP LGTMP  1 1          WDM1  7075 LGTMP  1 ENGL AGGR REPL
PERLND 289 PSTEMP SLTMP  1 1          WDM1  7076 SLTMP  1 ENGL AGGR REPL
PERLND 289 PSTEMP ULTMP  1 1          WDM1  7077 ULTMP  1 ENGL AGGR REPL
PERLND 289 PSTEMP LGTMP  1 1          WDM1  7078 LGTMP  1 ENGL AGGR REPL

RCHRES 150 HYDR   RO     1 1       AVER WDM1   150 FLOW   1 ENGL AGGR REPL
RCHRES 150 ROFLOW ROVOL  1 1 1.1243e-4     WDM1  1502 SIMQ   1 ENGL AGGR REPL
RCHRES 150 SEDTRN SSED   4 1          WDM1  7003 SSED4  1 ENGL AGGR REPL
RCHRES 150 HYDR   RO     1 1       AVER WDM1  5002 FLOW   1 ENGL AGGR REPL
RCHRES 150 HTRCH  TW     1 1          WDM1  8001 TW     1 ENGL AGGR REPL
RCHRES 150 SEDTRN ROSED  4 1          WDM1  7056 ROSED4 1 ENGL AGGR REPL
RCHRES 150 OXRX   DOX    1 1          WDM1  1511 DOX    1 ENGL AGGR REPL
RCHRES 150 OXRX   BOD    1 1          WDM1  1512 BOD    1 ENGL AGGR REPL
RCHRES 150 NUTRX  DNUST  1 1          WDM1  1513 DNUST  1 ENGL AGGR REPL
RCHRES 150 NUTRX  DNUST  2 1          WDM1  1514 DNUST  1 ENGL AGGR REPL
RCHRES 150 NUTRX  DNUST  4 1          WDM1  1515 DNUST  1 ENGL AGGR REPL
RCHRES 150 PLANK  PKST3  4 1          WDM1  1516 PKST3  1 ENGL AGGR REPL
RCHRES 150 PLANK  PKST3  5 1          WDM1  1517 PKST3  1 ENGL AGGR REPL
RCHRES 150 PLANK  PKST3  6 1          WDM1  1518 PKST3  1 ENGL AGGR REPL
RCHRES 150 PLANK  PKST4  1 1          WDM1  1519 PKST4  1 ENGL AGGR REPL
RCHRES 150 PLANK  PKST4  2 1          WDM1  1520 PKST4  1 ENGL AGGR REPL
RCHRES 150 PLANK  PHYCLA 1 1          WDM1  1521 CHLO   1 ENGL AGGR REPL
RCHRES 150 PLANK  BALCLA 1 1          WDM1  1522 BALCLA 1 ENGL AGGR REPL
RCHRES 150 PLANK  TPKCF1 4 1       SAME WDM1  1523 TNLD   1 ENGL      REPL
RCHRES 150 PLANK  TPKCF1 5 1       SAME WDM1  1524 TPLD   1 ENGL      REPL

RCHRES 610 HYDR   RO     1 1       AVER WDM1   610 FLOW   1 ENGL AGGR REPL

*** Illinois River South of Siloam Springs 7195430-Calibrate
RCHRES 630 HYDR   RO     1 1       AVER WDM1   630 FLOW   1 ENGL AGGR REPL
RCHRES 630 ROFLOW ROVOL  1 1 3.3124e-5     WDM1  6301 SIMQ   1 ENGL AGGR REPL
RCHRES 630 SEDTRN SSED   4 1          WDM1  7005 SSED4  1 ENGL AGGR REPL
RCHRES 630 HYDR   RO     1 1       AVER WDM1  5004 FLOW   1 ENGL AGGR REPL
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RCHRES 630 HTRCH  TW     1 1            WDM1  8003 TW     1 ENGL AGGR REPL
RCHRES 630 SEDTRN ROSED  4 1            WDM1  7059 ROSED4 1 ENGL AGGR REPL
RCHRES 630 OXRX   DOX    1 1            WDM1  6311 DOX    1 ENGL AGGR REPL
RCHRES 630 OXRX   BOD    1 1            WDM1  6312 BOD    1 ENGL AGGR REPL
RCHRES 630 NUTRX  DNUST  1 1            WDM1  6313 DNUST  1 ENGL AGGR REPL
RCHRES 630 NUTRX  DNUST  2 1            WDM1  6314 DNUST  1 ENGL AGGR REPL
RCHRES 630 NUTRX  DNUST  4 1            WDM1  6315 DNUST  1 ENGL AGGR REPL
RCHRES 630 PLANK  PKST3  4 1            WDM1  6316 PKST3  1 ENGL AGGR REPL
RCHRES 630 PLANK  PKST3  5 1            WDM1  6317 PKST3  1 ENGL AGGR REPL
RCHRES 630 PLANK  PKST3  6 1            WDM1  6318 PKST3  1 ENGL AGGR REPL
RCHRES 630 PLANK  PKST4  1 1            WDM1  6319 PKST4  1 ENGL AGGR REPL
RCHRES 630 PLANK  PKST4  2 1            WDM1  6320 PKST4  1 ENGL AGGR REPL
RCHRES 630 PLANK  PHYCLA 1 1            WDM1  6321 CHLO   1 ENGL AGGR REPL
RCHRES 630 PLANK  BALCLA 1 1            WDM1  6322 BALCLA 1 ENGL AGGR REPL
RCHRES 630 PLANK  TPKCF1 4 1        SAME WDM1  6323 TNLD   1 ENGL      REPL
RCHRES 630 PLANK  TPKCF1 5 1        SAME WDM1  6324 TPLD   1 ENGL      REPL

*** Illinois River at AR/OK State Line
RCHRES 635 PLANK  TPKCF1 4 1        SAME WDM1  6353 TNLD   1 ENGL      REPL
RCHRES 635 PLANK  TPKCF1 5 1        SAME WDM1  6354 TPLD   1 ENGL      REPL
RCHRES 635 SEDTRN ROSED  4 1            WDM1  6355 ROSED4 1 ENGL AGGR REPL

*** Illinois River near Watts 7195500-Calibrate
RCHRES 640 HYDR   RO     1 1         AVER WDM1   640 FLOW   1 ENGL AGGR REPL
RCHRES 640 ROFLOW ROVOL  1 1 2.9866e-5     WDM1  6401 SIMQ   1 ENGL AGGR REPL
RCHRES 640 SEDTRN SSED   4 1            WDM1  7006 SSED4  1 ENGL AGGR REPL
RCHRES 640 HYDR   RO     1 1         AVER WDM1  5005 FLOW   1 ENGL AGGR REPL
RCHRES 640 HTRCH  TW     1 1            WDM1  8004 TW     1 ENGL AGGR REPL
RCHRES 640 SEDTRN ROSED  4 1            WDM1  7060 ROSED4 1 ENGL AGGR REPL
RCHRES 640 OXRX   DOX    1 1            WDM1  6411 DOX    1 ENGL AGGR REPL
RCHRES 640 OXRX   BOD    1 1            WDM1  6412 BOD    1 ENGL AGGR REPL
RCHRES 640 NUTRX  DNUST  1 1            WDM1  6413 DNUST  1 ENGL AGGR REPL
RCHRES 640 NUTRX  DNUST  2 1            WDM1  6414 DNUST  1 ENGL AGGR REPL
RCHRES 640 NUTRX  DNUST  4 1            WDM1  6415 DNUST  1 ENGL AGGR REPL
RCHRES 640 PLANK  PKST3  4 1            WDM1  6416 PKST3  1 ENGL AGGR REPL
RCHRES 640 PLANK  PKST3  5 1            WDM1  6417 PKST3  1 ENGL AGGR REPL
RCHRES 640 PLANK  PKST3  6 1            WDM1  6418 PKST3  1 ENGL AGGR REPL
RCHRES 640 PLANK  PKST4  1 1            WDM1  6419 PKST4  1 ENGL AGGR REPL
RCHRES 640 PLANK  PKST4  2 1            WDM1  6420 PKST4  1 ENGL AGGR REPL
RCHRES 640 PLANK  PHYCLA 1 1            WDM1  6421 CHLO   1 ENGL AGGR REPL
RCHRES 640 PLANK  BALCLA 1 1            WDM1  6422 BALCLA 1 ENGL AGGR REPL
RCHRES 640 PLANK  TPKCF1 4 1        SAME WDM1  6423 TNLD   1 ENGL      REPL
RCHRES 640 PLANK  TPKCF1 5 1        SAME WDM1  6424 TPLD   1 ENGL      REPL

RCHRES 800 HYDR   RO     1 1         AVER WDM1   800 FLOW   1 ENGL AGGR REPL

*** Illinois River near Tahlequah 7196500-Calibrate
RCHRES 870 HYDR   RO     1 1         AVER WDM1   870 FLOW   1 ENGL AGGR REPL
RCHRES 870 ROFLOW ROVOL  1 1 1.9814e-5     WDM1  8701 SIMQ   1 ENGL AGGR REPL
RCHRES 870 SEDTRN SSED   4 1            WDM1  7010 SSED4  1 ENGL AGGR REPL
RCHRES 870 HYDR   RO     1 1         AVER WDM1  5008 FLOW   1 ENGL AGGR REPL
RCHRES 870 HTRCH  TW     1 1            WDM1  8007 TW     1 ENGL AGGR REPL
RCHRES 870 SEDTRN ROSED  4 1            WDM1  7090 ROSED4 1 ENGL AGGR REPL
RCHRES 870 OXRX   DOX    1 1            WDM1  8681 DOX    1 ENGL AGGR REPL
RCHRES 870 OXRX   BOD    1 1            WDM1  8682 BOD    1 ENGL AGGR REPL
RCHRES 870 NUTRX  DNUST  1 1            WDM1  8683 DNUST  1 ENGL AGGR REPL
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RCHRES 870 NUTRX  DNUST  2 1          WDM1  8684 DNUST  1 ENGL AGGR REPL
RCHRES 870 NUTRX  DNUST  4 1          WDM1  8685 DNUST  1 ENGL AGGR REPL
RCHRES 870 PLANK  PKST3  4 1          WDM1  8686 PKST3  1 ENGL AGGR REPL
RCHRES 870 PLANK  PKST3  5 1          WDM1  8687 PKST3  1 ENGL AGGR REPL
RCHRES 870 PLANK  PKST3  6 1          WDM1  8688 PKST3  1 ENGL AGGR REPL
RCHRES 870 PLANK  PKST4  1 1          WDM1  8689 PKST4  1 ENGL AGGR REPL
RCHRES 870 PLANK  PKST4  2 1          WDM1  8690 PKST4  1 ENGL AGGR REPL
RCHRES 870 PLANK  PHYCLA 1 1          WDM1  8691 CHLO   1 ENGL AGGR REPL
RCHRES 870 PLANK  BALCLA 1 1          WDM1  8692 BALCLA 1 ENGL AGGR REPL
RCHRES 870 PLANK  TPKCF1 4 1       SAME WDM1  8693 TNLD   1 ENGL      REPL
RCHRES 870 PLANK  TPKCF1 5 1       SAME WDM1  8694 TPLD   1 ENGL      REPL

*** Ballard Creek  - output FLOW & TSS to compare to Brian Haggard data
RCHRES 609 HYDR   RO     1 1       AVER WDM1  6090 FLOW   1 ENGL AGGR REPL
RCHRES 609 SEDTRN SSED   4 1          WDM1  6091 SSED4  1 ENGL AGGR REPL
RCHRES 609 HYDR   RO     1 1       AVER WDM1  6092 FLOW   1 ENGL AGGR REPL
RCHRES 609 SEDTRN ROSED  4 1          WDM1  6093 ROSED4 1 ENGL AGGR REPL
RCHRES 609 NUTRX  DNUST  1 1          WDM1  6096 DNUST  1 ENGL AGGR REPL
RCHRES 609 NUTRX  DNUST  2 1          WDM1  6094 DNUST  1 ENGL AGGR REPL
RCHRES 609 NUTRX  DNUST  4 1          WDM1  6095 DNUST  1 ENGL AGGR REPL
RCHRES 609 PLANK  PKST4  1 1          WDM1  6098 PKST4  1 ENGL AGGR REPL
RCHRES 609 PLANK  PKST4  2 1          WDM1  6099 PKST4  1 ENGL AGGR REPL
RCHRES 609 PLANK  BALCLA 1 1          WDM1  6097 BALCLA 1 ENGL AGGR REPL
RCHRES 609 PLANK  TPKCF1 4 1       SAME WDM1  6100 TNLD   1 ENGL      REPL
RCHRES 609 PLANK  TPKCF1 5 1       SAME WDM1  6101 TPLD   1 ENGL      REPL

RCHRES 302 PLANK  BALCLA 1 1          WDM1  3301 BALCLA 1 ENGL AGGR REPL
RCHRES 304 PLANK  BALCLA 1 1          WDM1  3302 BALCLA 1 ENGL AGGR REPL
RCHRES 306 PLANK  BALCLA 1 1          WDM1  3303 BALCLA 1 ENGL AGGR REPL
RCHRES 308 PLANK  BALCLA 1 1          WDM1  3304 BALCLA 1 ENGL AGGR REPL
RCHRES 312 PLANK  BALCLA 1 1          WDM1  3305 BALCLA 1 ENGL AGGR REPL
RCHRES 314 PLANK  BALCLA 1 1          WDM1  3306 BALCLA 1 ENGL AGGR REPL

***COPY    1 OUTPUT MEAN   1 1 1.9315e-5    WDM1  1303 SURO   1 ENGL AGGR REPL
***COPY    1 OUTPUT MEAN   2 1 1.9315e-5    WDM1  1304 IFWO   1 ENGL AGGR REPL
***COPY    1 OUTPUT MEAN   3 1 1.9315e-5    WDM1  1305 AGWO   1 ENGL AGGR REPL
***COPY    1 OUTPUT MEAN   4 1 1.9315e-5    WDM1  1306 PETX   1 ENGL AGGR REPL
***COPY    1 OUTPUT MEAN   5 1 1.9315e-5    WDM1  1307 SAET   1 ENGL AGGR REPL
***COPY    1 OUTPUT MEAN   6 1 1.9315e-5AVER WDM1  1308 UZSX   1 ENGL AGGR REPL
***COPY    1 OUTPUT MEAN   7 1 1.9315e-5AVER WDM1  1309 LZSX   1 ENGL AGGR REPL
***COPY    1 OUTPUT MEAN   8 1 1.9315e-5    WDM1  1310 SUPY   1 ENGL AGGR REPL
***COPY    1 OUTPUT MEAN   9 1          WDM1  1302 SIMQ   1 ENGL AGGR REPL
***COPY    2 OUTPUT MEAN   1 1 9.3689e-6    WDM1  1503 SURO   1 ENGL AGGR REPL
***COPY    2 OUTPUT MEAN   2 1 9.3689e-6    WDM1  1504 IFWO   1 ENGL AGGR REPL
***COPY    2 OUTPUT MEAN   3 1 9.3689e-6    WDM1  1505 AGWO   1 ENGL AGGR REPL
***COPY    2 OUTPUT MEAN   4 1 9.3689e-6    WDM1  1506 PETX   1 ENGL AGGR REPL
***COPY    2 OUTPUT MEAN   5 1 9.3689e-6    WDM1  1507 SAET   1 ENGL AGGR REPL
***COPY    2 OUTPUT MEAN   6 1 9.3689e-6AVER WDM1  1508 UZSX   1 ENGL AGGR REPL
***COPY    2 OUTPUT MEAN   7 1 9.3689e-6AVER WDM1  1509 LZSX   1 ENGL AGGR REPL
***COPY    2 OUTPUT MEAN   8 1 9.3689e-6    WDM1  1510 SUPY   1 ENGL AGGR REPL
***COPY    3 OUTPUT MEAN   1 1 1.6512e-6    WDM1  8702 SURO   1 ENGL AGGR REPL
***COPY    3 OUTPUT MEAN   2 1 1.6512e-6    WDM1  8703 IFWO   1 ENGL AGGR REPL
***COPY    3 OUTPUT MEAN   3 1 1.6512e-6    WDM1  8704 AGWO   1 ENGL AGGR REPL
***COPY    3 OUTPUT MEAN   4 1 1.6512e-6    WDM1  8705 PETX   1 ENGL AGGR REPL
***COPY    3 OUTPUT MEAN   5 1 1.6512e-6    WDM1  8706 SAET   1 ENGL AGGR REPL
***COPY    3 OUTPUT MEAN   6 1 1.6512e-6AVER WDM1  8707 UZSX   1 ENGL AGGR REPL
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***COPY    3 OUTPUT MEAN   7 1 1.6512e-6AVER WDM1  8708 LZSX   1 ENGL AGGR REPL
***COPY    3 OUTPUT MEAN   8 1 1.6512e-6     WDM1  8709 SUPY   1 ENGL AGGR REPL
***COPY    4 OUTPUT MEAN   1 1 5.0179e-6     WDM1  7462 SURO   1 ENGL AGGR REPL
***COPY    4 OUTPUT MEAN   2 1 5.0179e-6     WDM1  7463 IFWO   1 ENGL AGGR REPL
***COPY    4 OUTPUT MEAN   3 1 5.0179e-6     WDM1  7464 AGWO   1 ENGL AGGR REPL
***COPY    4 OUTPUT MEAN   4 1 5.0179e-6     WDM1  7465 PETX   1 ENGL AGGR REPL
***COPY    4 OUTPUT MEAN   5 1 5.0179e-6     WDM1  7466 SAET   1 ENGL AGGR REPL
***COPY    4 OUTPUT MEAN   6 1 5.0179e-6AVER WDM1  7467 UZSX   1 ENGL AGGR REPL
***COPY    4 OUTPUT MEAN   7 1 5.0179e-6AVER WDM1  7468 LZSX   1 ENGL AGGR REPL
***COPY    4 OUTPUT MEAN   8 1 5.0179e-6     WDM1  7469 SUPY   1 ENGL AGGR REPL
***COPY    5 OUTPUT MEAN   1 1 1.3597e-5     WDM1  5232 SURO   1 ENGL AGGR REPL
***COPY    5 OUTPUT MEAN   2 1 1.3597e-5     WDM1  5233 IFWO   1 ENGL AGGR REPL
***COPY    5 OUTPUT MEAN   3 1 1.3597e-5     WDM1  5234 AGWO   1 ENGL AGGR REPL
***COPY    5 OUTPUT MEAN   4 1 1.3597e-5     WDM1  5235 PETX   1 ENGL AGGR REPL
***COPY    5 OUTPUT MEAN   5 1 1.3597e-5     WDM1  5236 SAET   1 ENGL AGGR REPL
***COPY    5 OUTPUT MEAN   6 1 1.3597e-5AVER WDM1  5237 UZSX   1 ENGL AGGR REPL
***COPY    5 OUTPUT MEAN   7 1 1.3597e-5AVER WDM1  5238 LZSX   1 ENGL AGGR REPL
***COPY    5 OUTPUT MEAN   8 1 1.3597e-5     WDM1  5239 SUPY   1 ENGL AGGR REPL
***COPY    6 OUTPUT MEAN   1 1 2.4889e-6     WDM1  6402 SURO   1 ENGL AGGR REPL
***COPY    6 OUTPUT MEAN   2 1 2.4889e-6     WDM1  6403 IFWO   1 ENGL AGGR REPL
***COPY    6 OUTPUT MEAN   3 1 2.4889e-6     WDM1  6404 AGWO   1 ENGL AGGR REPL
***COPY    6 OUTPUT MEAN   4 1 2.4889e-6     WDM1  6405 PETX   1 ENGL AGGR REPL
***COPY    6 OUTPUT MEAN   5 1 2.4889e-6     WDM1  6406 SAET   1 ENGL AGGR REPL
***COPY    6 OUTPUT MEAN   6 1 2.4889e-6AVER WDM1  6407 UZSX   1 ENGL AGGR REPL
***COPY    6 OUTPUT MEAN   7 1 2.4889e-6AVER WDM1  6408 LZSX   1 ENGL AGGR REPL
***COPY    6 OUTPUT MEAN   8 1 2.4889e-6     WDM1  6409 SUPY   1 ENGL AGGR REPL
***COPY    7 OUTPUT MEAN   1 1 1.2046e-5     WDM1  3162 SURO   1 ENGL AGGR REPL
***COPY    7 OUTPUT MEAN   2 1 1.2046e-5     WDM1  3163 IFWO   1 ENGL AGGR REPL
***COPY    7 OUTPUT MEAN   3 1 1.2046e-5     WDM1  3164 AGWO   1 ENGL AGGR REPL
***COPY    7 OUTPUT MEAN   4 1 1.2046e-5     WDM1  3165 PETX   1 ENGL AGGR REPL
***COPY    7 OUTPUT MEAN   5 1 1.2046e-5     WDM1  3166 SAET   1 ENGL AGGR REPL
***COPY    7 OUTPUT MEAN   6 1 1.2046e-5AVER WDM1  3167 UZSX   1 ENGL AGGR REPL
***COPY    7 OUTPUT MEAN   7 1 1.2046e-5AVER WDM1  3168 LZSX   1 ENGL AGGR REPL
***COPY    7 OUTPUT MEAN   8 1 1.2046e-5     WDM1  3169 SUPY   1 ENGL AGGR REPL
***COPY    8 OUTPUT MEAN   1 1 2.7603e-6     WDM1  6302 SURO   1 ENGL AGGR REPL
***COPY    8 OUTPUT MEAN   2 1 2.7603e-6     WDM1  6303 IFWO   1 ENGL AGGR REPL
***COPY    8 OUTPUT MEAN   3 1 2.7603e-6     WDM1  6304 AGWO   1 ENGL AGGR REPL
***COPY    8 OUTPUT MEAN   4 1 2.7603e-6     WDM1  6305 PETX   1 ENGL AGGR REPL
***COPY    8 OUTPUT MEAN   5 1 2.7603e-6     WDM1  6306 SAET   1 ENGL AGGR REPL
***COPY    8 OUTPUT MEAN   6 1 2.7603e-6AVER WDM1  6307 UZSX   1 ENGL AGGR REPL
***COPY    8 OUTPUT MEAN   7 1 2.7603e-6AVER WDM1  6308 LZSX   1 ENGL AGGR REPL
***COPY    8 OUTPUT MEAN   8 1 2.7603e-6     WDM1  6309 SUPY   1 ENGL AGGR REPL
***COPY    9 OUTPUT MEAN   1 1 1.7328e-5     WDM1  9122 SURO   1 ENGL AGGR REPL
***COPY    9 OUTPUT MEAN   2 1 1.7328e-5     WDM1  9123 IFWO   1 ENGL AGGR REPL
***COPY    9 OUTPUT MEAN   3 1 1.7328e-5     WDM1  9124 AGWO   1 ENGL AGGR REPL
***COPY    9 OUTPUT MEAN   4 1 1.7328e-5     WDM1  9125 PETX   1 ENGL AGGR REPL
***COPY    9 OUTPUT MEAN   5 1 1.7328e-5     WDM1  9126 SAET   1 ENGL AGGR REPL
***COPY    9 OUTPUT MEAN   6 1 1.7328e-5AVER WDM1  9127 UZSX   1 ENGL AGGR REPL
***COPY    9 OUTPUT MEAN   7 1 1.7328e-5AVER WDM1  9128 LZSX   1 ENGL AGGR REPL
***COPY    9 OUTPUT MEAN   8 1 1.7328e-5     WDM1  9129 SUPY   1 ENGL AGGR REPL
***COPY   10 OUTPUT MEAN   1 1 3.8051e-5     WDM1  7062 SURO   1 ENGL AGGR REPL
***COPY   10 OUTPUT MEAN   2 1 3.8051e-5     WDM1  7063 IFWO   1 ENGL AGGR REPL
***COPY   10 OUTPUT MEAN   3 1 3.8051e-5     WDM1  7064 AGWO   1 ENGL AGGR REPL
***COPY   10 OUTPUT MEAN   4 1 3.8051e-5     WDM1  7065 PETX   1 ENGL AGGR REPL
***COPY   10 OUTPUT MEAN   5 1 3.8051e-5     WDM1  7066 SAET   1 ENGL AGGR REPL
***COPY   10 OUTPUT MEAN   6 1 3.8051e-5AVER WDM1  7067 UZSX   1 ENGL AGGR REPL
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***COPY    10 OUTPUT MEAN   7 1 3.8051e-5AVER WDM1  7068 LZSX   1 ENGL AGGR REPL
***COPY    10 OUTPUT MEAN   8 1 3.8051e-5     WDM1  7069 SUPY   1 ENGL AGGR REPL
***COPY    11 OUTPUT MEAN   1 1 8.1747e-5     WDM1  5162 SURO   1 ENGL AGGR REPL
***COPY    11 OUTPUT MEAN   2 1 8.1747e-5     WDM1  5163 IFWO   1 ENGL AGGR REPL
***COPY    11 OUTPUT MEAN   3 1 8.1747e-5     WDM1  5164 AGWO   1 ENGL AGGR REPL
***COPY    11 OUTPUT MEAN   4 1 8.1747e-5     WDM1  5165 PETX   1 ENGL AGGR REPL
***COPY    11 OUTPUT MEAN   5 1 8.1747e-5     WDM1  5166 SAET   1 ENGL AGGR REPL
***COPY    11 OUTPUT MEAN   6 1 8.1747e-5AVER WDM1  5167 UZSX   1 ENGL AGGR REPL
***COPY    11 OUTPUT MEAN   7 1 8.1747e-5AVER WDM1  5168 LZSX   1 ENGL AGGR REPL
***COPY    11 OUTPUT MEAN   8 1 8.1747e-5     WDM1  5169 SUPY   1 ENGL AGGR REPL

***Output to EFDC.WDM
RCHRES 752 NUTRX  DNUST  2 1        AVER WDM4  7521 TAM    1 ENGL AGGR REPL
RCHRES 752 NUTRX  DNUST  1 1        AVER WDM4  7522 NO3    1 ENGL AGGR REPL
RCHRES 752 PLANK  PKST3  4 1        AVER WDM4  7523 TORN   1 ENGL AGGR REPL
RCHRES 752 PLANK  PKST4  1 1        AVER WDM4  7524 TN     1 ENGL AGGR REPL
RCHRES 752 NUTRX  DNUST  4 1        AVER WDM4  7525 PO4    1 ENGL AGGR REPL
RCHRES 752 PLANK  PKST3  5 1        AVER WDM4  7526 TORP   1 ENGL AGGR REPL
RCHRES 752 PLANK  PKST4  2 1        AVER WDM4  7527 TP     1 ENGL AGGR REPL
RCHRES 752 PLANK  PKST3  6 1        AVER WDM4  7528 TORC   1 ENGL AGGR REPL
***The multiplication factor converst BODu to BOD5
RCHRES 752 OXRX   BOD    1 1 0.35211  AVER WDM4  7529 BOD5   1 ENGL AGGR REPL
RCHRES 752 OXRX   DOX    1 1        AVER WDM4  7530 DO     1 ENGL AGGR REPL
RCHRES 752 SEDTRN SSED   2 1        AVER WDM4  7531 SILT   1 ENGL AGGR REPL
RCHRES 752 SEDTRN SSED   3 1        AVER WDM4  7532 CLAY   1 ENGL AGGR REPL
RCHRES 752 HYDR   RO     1 1        AVER WDM4  7533 FLOW   1 METR AGGR REPL
***The multiplication factor converts concentration from ug/L to mg/L
RCHRES 752 PLANK  PHYCLA 1 1 0.001    AVER WDM4  7534 CHLA   1 ENGL AGGR REPL
RCHRES 752 HTRCH  TW     1 1        AVER WDM4  7535 TW     1 METR AGGR REPL

RCHRES 890 NUTRX  DNUST  2 1        AVER WDM4  8901 TAM    1 ENGL AGGR REPL
RCHRES 890 NUTRX  DNUST  1 1        AVER WDM4  8902 NO3    1 ENGL AGGR REPL
RCHRES 890 PLANK  PKST3  4 1        AVER WDM4  8903 TORN   1 ENGL AGGR REPL
RCHRES 890 PLANK  PKST4  1 1        AVER WDM4  8904 TN     1 ENGL AGGR REPL
RCHRES 890 NUTRX  DNUST  4 1        AVER WDM4  8905 PO4    1 ENGL AGGR REPL
RCHRES 890 PLANK  PKST3  5 1        AVER WDM4  8906 TORP   1 ENGL AGGR REPL
RCHRES 890 PLANK  PKST4  2 1        AVER WDM4  8907 TP     1 ENGL AGGR REPL
RCHRES 890 PLANK  PKST3  6 1        AVER WDM4  8908 TORC   1 ENGL AGGR REPL
RCHRES 890 OXRX   BOD    1 1 0.35211  AVER WDM4  8909 BOD5   1 ENGL AGGR REPL
RCHRES 890 OXRX   DOX    1 1        AVER WDM4  8910 DO     1 ENGL AGGR REPL
RCHRES 890 SEDTRN SSED   2 1        AVER WDM4  8911 SILT   1 ENGL AGGR REPL
RCHRES 890 SEDTRN SSED   3 1        AVER WDM4  8912 CLAY   1 ENGL AGGR REPL
RCHRES 890 HYDR   RO     1 1        AVER WDM4  8913 FLOW   1 METR AGGR REPL
RCHRES 890 PLANK  PHYCLA 1 1 0.001    AVER WDM4  8914 CHLA   1 ENGL AGGR REPL
RCHRES 890 HTRCH  TW     1 1        AVER WDM4  8915 TW     1 METR AGGR REPL

RCHRES 912 NUTRX  DNUST  2 1        AVER WDM4  9121 TAM    1 ENGL AGGR REPL
RCHRES 912 NUTRX  DNUST  1 1        AVER WDM4  9122 NO3    1 ENGL AGGR REPL
RCHRES 912 PLANK  PKST3  4 1        AVER WDM4  9123 TORN   1 ENGL AGGR REPL
RCHRES 912 PLANK  PKST4  1 1        AVER WDM4  9124 TN     1 ENGL AGGR REPL
RCHRES 912 NUTRX  DNUST  4 1        AVER WDM4  9125 PO4    1 ENGL AGGR REPL
RCHRES 912 PLANK  PKST3  5 1        AVER WDM4  9126 TORP   1 ENGL AGGR REPL
RCHRES 912 PLANK  PKST4  2 1        AVER WDM4  9127 TP     1 ENGL AGGR REPL
RCHRES 912 PLANK  PKST3  6 1        AVER WDM4  9128 TORC   1 ENGL AGGR REPL
RCHRES 912 OXRX   BOD    1 1 0.35211  AVER WDM4  9129 BOD5   1 ENGL AGGR REPL
RCHRES 912 OXRX   DOX    1 1        AVER WDM4  9130 DO     1 ENGL AGGR REPL
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RCHRES 912 SEDTRN SSED   2 1        AVER WDM4  9131 SILT   1 ENGL AGGR REPL
RCHRES 912 SEDTRN SSED   3 1        AVER WDM4  9132 CLAY   1 ENGL AGGR REPL
RCHRES 912 HYDR   RO     1 1        AVER WDM4  9133 FLOW   1 METR AGGR REPL
RCHRES 912 PLANK  PHYCLA 1 1 0.001   AVER WDM4  9134 CHLA   1 ENGL AGGR REPL
RCHRES 912 HTRCH  TW     1 1        AVER WDM4  9135 TW     1 METR AGGR REPL

RCHRES 916 NUTRX  DNUST  2 1        AVER WDM4  9161 TAM    1 ENGL AGGR REPL
RCHRES 916 NUTRX  DNUST  1 1        AVER WDM4  9162 NO3    1 ENGL AGGR REPL
RCHRES 916 PLANK  PKST3  4 1        AVER WDM4  9163 TORN   1 ENGL AGGR REPL
RCHRES 916 PLANK  PKST4  1 1        AVER WDM4  9164 TN     1 ENGL AGGR REPL
RCHRES 916 NUTRX  DNUST  4 1        AVER WDM4  9165 PO4    1 ENGL AGGR REPL
RCHRES 916 PLANK  PKST3  5 1        AVER WDM4  9166 TORP   1 ENGL AGGR REPL
RCHRES 916 PLANK  PKST4  2 1        AVER WDM4  9167 TP     1 ENGL AGGR REPL
RCHRES 916 PLANK  PKST3  6 1        AVER WDM4  9168 TORC   1 ENGL AGGR REPL
RCHRES 916 OXRX   BOD    1 1 0.35211  AVER WDM4  9169 BOD5   1 ENGL AGGR REPL
RCHRES 916 OXRX   DOX    1 1        AVER WDM4  9170 DO     1 ENGL AGGR REPL
RCHRES 916 SEDTRN SSED   2 1        AVER WDM4  9171 SILT   1 ENGL AGGR REPL
RCHRES 916 SEDTRN SSED   3 1        AVER WDM4  9172 CLAY   1 ENGL AGGR REPL
RCHRES 916 HYDR   RO     1 1        AVER WDM4  9173 FLOW   1 METR AGGR REPL
RCHRES 916 PLANK  PHYCLA 1 1 0.001   AVER WDM4  9174 CHLA   1 ENGL AGGR REPL
RCHRES 916 HTRCH  TW     1 1        AVER WDM4  9175 TW     1 METR AGGR REPL

RCHRES 922 NUTRX  DNUST  2 1        AVER WDM4  9221 TAM    1 ENGL AGGR REPL
RCHRES 922 NUTRX  DNUST  1 1        AVER WDM4  9222 NO3    1 ENGL AGGR REPL
RCHRES 922 PLANK  PKST3  4 1        AVER WDM4  9223 TORN   1 ENGL AGGR REPL
RCHRES 922 PLANK  PKST4  1 1        AVER WDM4  9224 TN     1 ENGL AGGR REPL
RCHRES 922 NUTRX  DNUST  4 1        AVER WDM4  9225 PO4    1 ENGL AGGR REPL
RCHRES 922 PLANK  PKST3  5 1        AVER WDM4  9226 TORP   1 ENGL AGGR REPL
RCHRES 922 PLANK  PKST4  2 1        AVER WDM4  9227 TP     1 ENGL AGGR REPL
RCHRES 922 PLANK  PKST3  6 1        AVER WDM4  9228 TORC   1 ENGL AGGR REPL
RCHRES 922 OXRX   BOD    1 1 0.35211  AVER WDM4  9229 BOD5   1 ENGL AGGR REPL
RCHRES 922 OXRX   DOX    1 1        AVER WDM4  9230 DO     1 ENGL AGGR REPL
RCHRES 922 SEDTRN SSED   2 1        AVER WDM4  9231 SILT   1 ENGL AGGR REPL
RCHRES 922 SEDTRN SSED   3 1        AVER WDM4  9232 CLAY   1 ENGL AGGR REPL
RCHRES 922 HYDR   RO     1 1        AVER WDM4  9233 FLOW   1 METR AGGR REPL
RCHRES 922 PLANK  PHYCLA 1 1 0.001   AVER WDM4  9234 CHLA   1 ENGL AGGR REPL
RCHRES 922 HTRCH  TW     1 1        AVER WDM4  9235 TW     1 METR AGGR REPL

RCHRES 924 NUTRX  DNUST  2 1        AVER WDM4  9252 TAM    1 ENGL AGGR REPL
RCHRES 924 NUTRX  DNUST  1 1        AVER WDM4  9253 NO3    1 ENGL AGGR REPL
RCHRES 924 PLANK  PKST3  4 1        AVER WDM4  9254 TORN   1 ENGL AGGR REPL
RCHRES 924 PLANK  PKST4  1 1        AVER WDM4  9255 TN     1 ENGL AGGR REPL
RCHRES 924 NUTRX  DNUST  4 1        AVER WDM4  9256 PO4    1 ENGL AGGR REPL
RCHRES 924 PLANK  PKST3  5 1        AVER WDM4  9257 TORP   1 ENGL AGGR REPL
RCHRES 924 PLANK  PKST4  2 1        AVER WDM4  9258 TP     1 ENGL AGGR REPL
RCHRES 924 PLANK  PKST3  6 1        AVER WDM4  9259 TORC   1 ENGL AGGR REPL
RCHRES 924 OXRX   BOD    1 1 0.35211  AVER WDM4  9260 BOD5   1 ENGL AGGR REPL
RCHRES 924 OXRX   DOX    1 1        AVER WDM4  9261 DO     1 ENGL AGGR REPL
RCHRES 924 SEDTRN SSED   2 1        AVER WDM4  9262 SILT   1 ENGL AGGR REPL
RCHRES 924 SEDTRN SSED   3 1        AVER WDM4  9263 CLAY   1 ENGL AGGR REPL
RCHRES 924 HYDR   RO     1 1        AVER WDM4  9264 FLOW   1 METR AGGR REPL
RCHRES 924 PLANK  PHYCLA 1 1 0.001   AVER WDM4  9265 CHLA   1 ENGL AGGR REPL
RCHRES 924 HTRCH  TW     1 1        AVER WDM4  9266 TW     1 METR AGGR REPL

RCHRES 936 NUTRX  DNUST  2 1        AVER WDM4  9361 TAM    1 ENGL AGGR REPL
RCHRES 936 NUTRX  DNUST  1 1        AVER WDM4  9362 NO3    1 ENGL AGGR REPL
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RCHRES 936 PLANK  PKST3  4 1        AVER WDM4  9363 TORN   1 ENGL AGGR REPL
RCHRES 936 PLANK  PKST4  1 1        AVER WDM4  9364 TN     1 ENGL AGGR REPL
RCHRES 936 NUTRX  DNUST  4 1        AVER WDM4  9365 PO4    1 ENGL AGGR REPL
RCHRES 936 PLANK  PKST3  5 1        AVER WDM4  9366 TORP   1 ENGL AGGR REPL
RCHRES 936 PLANK  PKST4  2 1        AVER WDM4  9367 TP     1 ENGL AGGR REPL
RCHRES 936 PLANK  PKST3  6 1        AVER WDM4  9368 TORC   1 ENGL AGGR REPL
RCHRES 936 OXRX   BOD    1 1 0.35211  AVER WDM4  9369 BOD5   1 ENGL AGGR REPL
RCHRES 936 OXRX   DOX    1 1        AVER WDM4  9370 DO     1 ENGL AGGR REPL
RCHRES 936 SEDTRN SSED   2 1        AVER WDM4  9371 SILT   1 ENGL AGGR REPL
RCHRES 936 SEDTRN SSED   3 1        AVER WDM4  9372 CLAY   1 ENGL AGGR REPL
RCHRES 936 HYDR   RO     1 1        AVER WDM4  9373 FLOW   1 METR AGGR REPL
RCHRES 936 PLANK  PHYCLA 1 1 0.001    AVER WDM4  9374 CHLA   1 ENGL AGGR REPL
RCHRES 936 HTRCH  TW     1 1        AVER WDM4  9375 TW     1 METR AGGR REPL

RCHRES 938 NUTRX  DNUST  2 1        AVER WDM4  9381 TAM    1 ENGL AGGR REPL
RCHRES 938 NUTRX  DNUST  1 1        AVER WDM4  9382 NO3    1 ENGL AGGR REPL
RCHRES 938 PLANK  PKST3  4 1        AVER WDM4  9383 TORN   1 ENGL AGGR REPL
RCHRES 938 PLANK  PKST4  1 1        AVER WDM4  9384 TN     1 ENGL AGGR REPL
RCHRES 938 NUTRX  DNUST  4 1        AVER WDM4  9385 PO4    1 ENGL AGGR REPL
RCHRES 938 PLANK  PKST3  5 1        AVER WDM4  9386 TORP   1 ENGL AGGR REPL
RCHRES 938 PLANK  PKST4  2 1        AVER WDM4  9387 TP     1 ENGL AGGR REPL
RCHRES 938 PLANK  PKST3  6 1        AVER WDM4  9388 TORC   1 ENGL AGGR REPL
RCHRES 938 OXRX   BOD    1 1 0.35211  AVER WDM4  9389 BOD5   1 ENGL AGGR REPL
RCHRES 938 OXRX   DOX    1 1        AVER WDM4  9390 DO     1 ENGL AGGR REPL
RCHRES 938 SEDTRN SSED   2 1        AVER WDM4  9391 SILT   1 ENGL AGGR REPL
RCHRES 938 SEDTRN SSED   3 1        AVER WDM4  9392 CLAY   1 ENGL AGGR REPL
RCHRES 938 HYDR   RO     1 1        AVER WDM4  9393 FLOW   1 METR AGGR REPL
RCHRES 938 PLANK  PHYCLA 1 1  0.001   AVER WDM4  9394 CHLA   1 ENGL AGGR REPL
RCHRES 938 HTRCH  TW     1 1        AVER WDM4  9395 TW     1 METR AGGR REPL
***Outputting TP from all Illinois River Segments downstream of State line.
RCHRES 635 PLANK  PKST4  2 1        AVER WDM1  9635 TP     1 ENGL AGGR REPL
RCHRES 637 PLANK  PKST4  2 1        AVER WDM1  9637 TP     1 ENGL AGGR REPL
RCHRES 650 PLANK  PKST4  2 1        AVER WDM1  9650 TP     1 ENGL AGGR REPL
RCHRES 660 PLANK  PKST4  2 1        AVER WDM1  9660 TP     1 ENGL AGGR REPL
RCHRES 670 PLANK  PKST4  2 1        AVER WDM1  9670 TP     1 ENGL AGGR REPL
RCHRES 800 PLANK  PKST4  2 1        AVER WDM1  9800 TP     1 ENGL AGGR REPL
RCHRES 810 PLANK  PKST4  2 1        AVER WDM1  9810 TP     1 ENGL AGGR REPL
RCHRES 820 PLANK  PKST4  2 1        AVER WDM1  9820 TP     1 ENGL AGGR REPL
RCHRES 830 PLANK  PKST4  2 1        AVER WDM1  9830 TP     1 ENGL AGGR REPL
RCHRES 840 PLANK  PKST4  2 1        AVER WDM1  9840 TP     1 ENGL AGGR REPL
RCHRES 850 PLANK  PKST4  2 1        AVER WDM1  9850 TP     1 ENGL AGGR REPL
RCHRES 860 PLANK  PKST4  2 1        AVER WDM1  9860 TP     1 ENGL AGGR REPL
RCHRES 880 PLANK  PKST4  2 1        AVER WDM1  9880 TP     1 ENGL AGGR REPL
RCHRES 890 PLANK  PKST4  2 1        AVER WDM1  9890 TP     1 ENGL AGGR REPL
RCHRES 900 PLANK  PKST4  2 1        AVER WDM1  9900 TP     1 ENGL AGGR REPL

COPY   900 OUTPUT MEAN   1 1        SUM  WDM4  9001 FLOV   1 ENGL AGGR REPL
COPY   900 OUTPUT MEAN   2 1        SUM  WDM4  9002 SSED   1 ENGL AGGR REPL
COPY   900 OUTPUT MEAN   3 1        SUM  WDM4  9003 HEAT   1 ENGL AGGR REPL
COPY   900 OUTPUT MEAN   4 1        SUM  WDM4  9004 TAM    1 ENGL AGGR REPL
COPY   900 OUTPUT MEAN   5 1        SUM  WDM4  9005 NO3    1 ENGL AGGR REPL
COPY   900 OUTPUT MEAN   6 1        SUM  WDM4  9006 TORN   1 ENGL AGGR REPL
COPY   900 OUTPUT MEAN   7 1        SUM  WDM4  9007 PO4    1 ENGL AGGR REPL
COPY   900 OUTPUT MEAN   8 1        SUM  WDM4  9008 TORP   1 ENGL AGGR REPL
COPY   900 OUTPUT MEAN   9 1        SUM  WDM4  9009 TORC   1 ENGL AGGR REPL
COPY   900 OUTPUT MEAN  10 1        SUM  WDM4  9010 BOD5   1 ENGL AGGR REPL
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COPY   900 OUTPUT MEAN  11 1        SUM  WDM4  9011 DO     1 ENGL AGGR REPL

COPY   914 OUTPUT MEAN   1 1        SUM  WDM4  9141 FLOV   1 ENGL AGGR REPL
COPY   914 OUTPUT MEAN   2 1        SUM  WDM4  9142 SSED   1 ENGL AGGR REPL
COPY   914 OUTPUT MEAN   3 1        SUM  WDM4  9143 HEAT   1 ENGL AGGR REPL
COPY   914 OUTPUT MEAN   4 1        SUM  WDM4  9144 TAM    1 ENGL AGGR REPL
COPY   914 OUTPUT MEAN   5 1        SUM  WDM4  9145 NO3    1 ENGL AGGR REPL
COPY   914 OUTPUT MEAN   6 1        SUM  WDM4  9146 TORN   1 ENGL AGGR REPL
COPY   914 OUTPUT MEAN   7 1        SUM  WDM4  9147 PO4    1 ENGL AGGR REPL
COPY   914 OUTPUT MEAN   8 1        SUM  WDM4  9148 TORP   1 ENGL AGGR REPL
COPY   914 OUTPUT MEAN   9 1        SUM  WDM4  9149 TORC   1 ENGL AGGR REPL
COPY   914 OUTPUT MEAN  10 1        SUM  WDM4  9150 BOD5   1 ENGL AGGR REPL
COPY   914 OUTPUT MEAN  11 1        SUM  WDM4  9151 DO     1 ENGL AGGR REPL

COPY   918 OUTPUT MEAN   1 1        SUM  WDM4  9181 FLOV   1 ENGL AGGR REPL
COPY   918 OUTPUT MEAN   2 1        SUM  WDM4  9182 SSED   1 ENGL AGGR REPL
COPY   918 OUTPUT MEAN   3 1        SUM  WDM4  9183 HEAT   1 ENGL AGGR REPL
COPY   918 OUTPUT MEAN   4 1        SUM  WDM4  9184 TAM    1 ENGL AGGR REPL
COPY   918 OUTPUT MEAN   5 1        SUM  WDM4  9185 NO3    1 ENGL AGGR REPL
COPY   918 OUTPUT MEAN   6 1        SUM  WDM4  9186 TORN   1 ENGL AGGR REPL
COPY   918 OUTPUT MEAN   7 1        SUM  WDM4  9187 PO4    1 ENGL AGGR REPL
COPY   918 OUTPUT MEAN   8 1        SUM  WDM4  9188 TORP   1 ENGL AGGR REPL
COPY   918 OUTPUT MEAN   9 1        SUM  WDM4  9189 TORC   1 ENGL AGGR REPL
COPY   918 OUTPUT MEAN  10 1        SUM  WDM4  9190 BOD5   1 ENGL AGGR REPL
COPY   918 OUTPUT MEAN  11 1        SUM  WDM4  9191 DO     1 ENGL AGGR REPL

COPY   924 OUTPUT MEAN   1 1        SUM  WDM4  9241 FLOV   1 ENGL AGGR REPL
COPY   924 OUTPUT MEAN   2 1        SUM  WDM4  9242 SSED   1 ENGL AGGR REPL
COPY   924 OUTPUT MEAN   3 1        SUM  WDM4  9243 HEAT   1 ENGL AGGR REPL
COPY   924 OUTPUT MEAN   4 1        SUM  WDM4  9244 TAM    1 ENGL AGGR REPL
COPY   924 OUTPUT MEAN   5 1        SUM  WDM4  9245 NO3    1 ENGL AGGR REPL
COPY   924 OUTPUT MEAN   6 1        SUM  WDM4  9246 TORN   1 ENGL AGGR REPL
COPY   924 OUTPUT MEAN   7 1        SUM  WDM4  9247 PO4    1 ENGL AGGR REPL
COPY   924 OUTPUT MEAN   8 1        SUM  WDM4  9248 TORP   1 ENGL AGGR REPL
COPY   924 OUTPUT MEAN   9 1        SUM  WDM4  9249 TORC   1 ENGL AGGR REPL
COPY   924 OUTPUT MEAN  10 1        SUM  WDM4  9250 BOD5   1 ENGL AGGR REPL
COPY   924 OUTPUT MEAN  11 1        SUM  WDM4  9251 DO     1 ENGL AGGR REPL

COPY   928 OUTPUT MEAN   1 1        SUM  WDM4  9281 FLOV   1 ENGL AGGR REPL
COPY   928 OUTPUT MEAN   2 1        SUM  WDM4  9282 SSED   1 ENGL AGGR REPL
COPY   928 OUTPUT MEAN   3 1        SUM  WDM4  9283 HEAT   1 ENGL AGGR REPL
COPY   928 OUTPUT MEAN   4 1        SUM  WDM4  9284 TAM    1 ENGL AGGR REPL
COPY   928 OUTPUT MEAN   5 1        SUM  WDM4  9285 NO3    1 ENGL AGGR REPL
COPY   928 OUTPUT MEAN   6 1        SUM  WDM4  9286 TORN   1 ENGL AGGR REPL
COPY   928 OUTPUT MEAN   7 1        SUM  WDM4  9287 PO4    1 ENGL AGGR REPL
COPY   928 OUTPUT MEAN   8 1        SUM  WDM4  9288 TORP   1 ENGL AGGR REPL
COPY   928 OUTPUT MEAN   9 1        SUM  WDM4  9289 TORC   1 ENGL AGGR REPL
COPY   928 OUTPUT MEAN  10 1        SUM  WDM4  9290 BOD5   1 ENGL AGGR REPL
COPY   928 OUTPUT MEAN  11 1        SUM  WDM4  9291 DO     1 ENGL AGGR REPL

COPY   932 OUTPUT MEAN   1 1        SUM  WDM4  9321 FLOV   1 ENGL AGGR REPL
COPY   932 OUTPUT MEAN   2 1        SUM  WDM4  9322 SSED   1 ENGL AGGR REPL
COPY   932 OUTPUT MEAN   3 1        SUM  WDM4  9323 HEAT   1 ENGL AGGR REPL
COPY   932 OUTPUT MEAN   4 1        SUM  WDM4  9324 TAM    1 ENGL AGGR REPL
COPY   932 OUTPUT MEAN   5 1        SUM  WDM4  9325 NO3    1 ENGL AGGR REPL
COPY   932 OUTPUT MEAN   6 1        SUM  WDM4  9326 TORN   1 ENGL AGGR REPL
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COPY   932 OUTPUT MEAN   7 1        SUM  WDM4  9327 PO4    1 ENGL AGGR REPL
COPY   932 OUTPUT MEAN   8 1        SUM  WDM4  9328 TORP   1 ENGL AGGR REPL
COPY   932 OUTPUT MEAN   9 1        SUM  WDM4  9329 TORC   1 ENGL AGGR REPL
COPY   932 OUTPUT MEAN  10 1        SUM  WDM4  9330 BOD5   1 ENGL AGGR REPL
COPY   932 OUTPUT MEAN  11 1        SUM  WDM4  9331 DO     1 ENGL AGGR REPL

COPY   942 OUTPUT MEAN   1 1        SUM  WDM4  9421 FLOV   1 ENGL AGGR REPL
COPY   942 OUTPUT MEAN   2 1        SUM  WDM4  9422 SSED   1 ENGL AGGR REPL
COPY   942 OUTPUT MEAN   3 1        SUM  WDM4  9423 HEAT   1 ENGL AGGR REPL
COPY   942 OUTPUT MEAN   4 1        SUM  WDM4  9424 TAM    1 ENGL AGGR REPL
COPY   942 OUTPUT MEAN   5 1        SUM  WDM4  9425 NO3    1 ENGL AGGR REPL
COPY   942 OUTPUT MEAN   6 1        SUM  WDM4  9426 TORN   1 ENGL AGGR REPL
COPY   942 OUTPUT MEAN   7 1        SUM  WDM4  9427 PO4    1 ENGL AGGR REPL
COPY   942 OUTPUT MEAN   8 1        SUM  WDM4  9428 TORP   1 ENGL AGGR REPL
COPY   942 OUTPUT MEAN   9 1        SUM  WDM4  9429 TORC   1 ENGL AGGR REPL
COPY   942 OUTPUT MEAN  10 1        SUM  WDM4  9430 BOD5   1 ENGL AGGR REPL
COPY   942 OUTPUT MEAN  11 1        SUM  WDM4  9431 DO     1 ENGL AGGR REPL

COPY   946 OUTPUT MEAN   1 1        SUM  WDM4  9461 FLOV   1 ENGL AGGR REPL
COPY   946 OUTPUT MEAN   2 1        SUM  WDM4  9462 SSED   1 ENGL AGGR REPL
COPY   946 OUTPUT MEAN   3 1        SUM  WDM4  9463 HEAT   1 ENGL AGGR REPL
COPY   946 OUTPUT MEAN   4 1        SUM  WDM4  9464 TAM    1 ENGL AGGR REPL
COPY   946 OUTPUT MEAN   5 1        SUM  WDM4  9465 NO3    1 ENGL AGGR REPL
COPY   946 OUTPUT MEAN   6 1        SUM  WDM4  9466 TORN   1 ENGL AGGR REPL
COPY   946 OUTPUT MEAN   7 1        SUM  WDM4  9467 PO4    1 ENGL AGGR REPL
COPY   946 OUTPUT MEAN   8 1        SUM  WDM4  9468 TORP   1 ENGL AGGR REPL
COPY   946 OUTPUT MEAN   9 1        SUM  WDM4  9469 TORC   1 ENGL AGGR REPL
COPY   946 OUTPUT MEAN  10 1        SUM  WDM4  9470 BOD5   1 ENGL AGGR REPL
COPY   946 OUTPUT MEAN  11 1        SUM  WDM4  9471 DO     1 ENGL AGGR REPL

COPY   948 OUTPUT MEAN   1 1        SUM  WDM4  9481 FLOV   1 ENGL AGGR REPL
COPY   948 OUTPUT MEAN   2 1        SUM  WDM4  9482 SSED   1 ENGL AGGR REPL
COPY   948 OUTPUT MEAN   3 1        SUM  WDM4  9483 HEAT   1 ENGL AGGR REPL
COPY   948 OUTPUT MEAN   4 1        SUM  WDM4  9484 TAM    1 ENGL AGGR REPL
COPY   948 OUTPUT MEAN   5 1        SUM  WDM4  9485 NO3    1 ENGL AGGR REPL
COPY   948 OUTPUT MEAN   6 1        SUM  WDM4  9486 TORN   1 ENGL AGGR REPL
COPY   948 OUTPUT MEAN   7 1        SUM  WDM4  9487 PO4    1 ENGL AGGR REPL
COPY   948 OUTPUT MEAN   8 1        SUM  WDM4  9488 TORP   1 ENGL AGGR REPL
COPY   948 OUTPUT MEAN   9 1        SUM  WDM4  9489 TORC   1 ENGL AGGR REPL
COPY   948 OUTPUT MEAN  10 1        SUM  WDM4  9490 BOD5   1 ENGL AGGR REPL
COPY   948 OUTPUT MEAN  11 1        SUM  WDM4  9491 DO     1 ENGL AGGR REPL

END EXT TARGETS


MASS-LINK

*** non-pasture PERLNDs
  MASS-LINK        2
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>              <Name> x x  ***
PERLND     PWATER PERO       0.0833333     RCHRES        INFLOW IVOL
PERLND     PWTGAS PODOXM                   RCHRES        INFLOW OXIF   1
PERLND     PWTGAS POHT                     RCHRES        INFLOW IHEAT  1
PERLND     SEDMNT SOSED  1        0.10     RCHRES        INFLOW ISED   1
PERLND     SEDMNT SOSED  1        0.50     RCHRES        INFLOW ISED   2
```

```
PERLND    SEDMNT SOSED  1        0.4     RCHRES        INFLOW ISED   3
PERLND    PQUAL  POQUAL 1              RCHRES        INFLOW NUIF1  2
PERLND    PQUAL  POQUAL 2              RCHRES        INFLOW NUIF1  1
PERLND    PQUAL  POQUAL 3              RCHRES        INFLOW NUIF1  4
PERLND    PQUAL  POQUAL 4        0.4     RCHRES        INFLOW OXIF   2
PERLND    PQUAL  POQUAL 4      0.048     RCHRES        INFLOW PKIF   3
PERLND    PQUAL  POQUAL 4     0.0046     RCHRES        INFLOW PKIF   4
PERLND    PQUAL  POQUAL 4      0.6       RCHRES        INFLOW PKIF   5

  END MASS-LINK    2

*** pasture PERLNDs
  MASS-LINK        5
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>               <Name> x x  ***
PERLND    PWATER PERO       0.0833333     RCHRES        INFLOW IVOL
PERLND    PWTGAS PODOXM                   RCHRES        INFLOW OXIF   1
PERLND    PWTGAS POHT                     RCHRES        INFLOW IHEAT  1
PERLND    SEDMNT SOSED  1       0.10     RCHRES        INFLOW ISED   1
PERLND    SEDMNT SOSED  1       0.50     RCHRES        INFLOW ISED   2
PERLND    SEDMNT SOSED  1        0.4     RCHRES        INFLOW ISED   3
*** NO3
PERLND    NITR   PONO3                   RCHRES        INFLOW NUIF1  1
*** Dissolved NH3
PERLND    NITR   TSAMS  1                RCHRES        INFLOW NUIF1  2
PERLND    NITR   TSAMS  5                RCHRES        INFLOW NUIF1  2
PERLND    NITR   SSAMS  3                RCHRES        INFLOW NUIF1  2
*** Adsorbed NH3
PERLND    NITR   SEDN   2     0.70       RCHRES        INFLOW NUIF2  2 1
PERLND    NITR   SEDN   2     0.30       RCHRES        INFLOW NUIF2  3 1
*** Dissolved PO4
PERLND    PHOS   TSP4S  1                RCHRES        INFLOW NUIF1  4
PERLND    PHOS   TSP4S  5                RCHRES        INFLOW NUIF1  4
PERLND    PHOS   SSP4S  3                RCHRES        INFLOW NUIF1  4
*** Adsorbed PO4
PERLND    PHOS   SEDP   2      .70       RCHRES        INFLOW NUIF2  2 2
PERLND    PHOS   SEDP   2      .30       RCHRES        INFLOW NUIF2  3 2
*** Organics
*** Refractory organic N (assume 60% refractory)
PERLND    NITR   POORN        0.60       RCHRES        INFLOW PKIF   3
*** Labile organic N (convert to BOD using CVON and 40% labile fraction)(factor = 0.4/CVON =
0.4/0.052945)
PERLND    NITR   POORN        7.555      RCHRES        INFLOW OXIF   2
*** Refractory Organic P
PERLND    PHOS   SEDP   1     1.20       RCHRES        INFLOW PKIF   4
*** Refractory Organic C (convert to refr organic C with 0.6 * CVOC/CVON = 0.6*0.3006/0.05294)
PERLND    NITR   POORN        3.41       RCHRES        INFLOW PKIF   5
  END MASS-LINK    5

  MASS-LINK        1
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>               <Name> x x  ***
IMPLND    IWATER SURO       0.0833333     RCHRES        INFLOW IVOL
IMPLND    IWTGAS SODOXM                   RCHRES        INFLOW OXIF   1
IMPLND    IWTGAS SOHT                     RCHRES        INFLOW IHEAT  1
IMPLND    SOLIDS SOSLD  1       0.10     RCHRES        INFLOW ISED   1
```

```
IMPLND     SOLIDS SOSLD  1        0.50     RCHRES        INFLOW ISED   2
IMPLND     SOLIDS SOSLD  1         0.4     RCHRES        INFLOW ISED   3
IMPLND     IQUAL  SOQUAL 1               RCHRES        INFLOW NUIF1  2
IMPLND     IQUAL  SOQUAL 2               RCHRES        INFLOW NUIF1  1
IMPLND     IQUAL  SOQUAL 3               RCHRES        INFLOW NUIF1  4
IMPLND     IQUAL  SOQUAL 4         0.4     RCHRES        INFLOW OXIF   2
IMPLND     IQUAL  SOQUAL 4       0.048     RCHRES        INFLOW PKIF   3
IMPLND     IQUAL  SOQUAL 4      0.0046     RCHRES        INFLOW PKIF   4
IMPLND     IQUAL  SOQUAL 4        0.6      RCHRES        INFLOW PKIF   5
  END MASS-LINK    1

  MASS-LINK        3
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>              <Name> x x  ***
RCHRES     ROFLOW                        RCHRES        INFLOW
  END MASS-LINK    3

*** this is used for RCHRES where a diversion is modeled from exit 1 and the flow downstream uses exit
2
*** RCHRES 637 in this model
  MASS-LINK        4
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>              <Name> x x  ***
RCHRES     OFLOW         2               RCHRES        INFLOW
  END MASS-LINK    4

  MASS-LINK       90
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>              <Name> x x  ***
PERLND     PWATER SUPY                    COPY          INPUT  MEAN   8
PERLND     PWATER LZS                    COPY          INPUT  MEAN   7
PERLND     PWATER SURO                    COPY          INPUT  MEAN   1
PERLND     PWATER UZS                    COPY          INPUT  MEAN   6
PERLND     PWATER AGWO                    COPY          INPUT  MEAN   3
PERLND     PWATER TAET                    COPY          INPUT  MEAN   5
PERLND     PWATER PET                    COPY          INPUT  MEAN   4
PERLND     PWATER IFWO                    COPY          INPUT  MEAN   2
  END MASS-LINK   90

  MASS-LINK       91
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>              <Name> x x  ***
IMPLND     IWATER SUPY                    COPY          INPUT  MEAN   8
IMPLND     IWATER SURO                    COPY          INPUT  MEAN   1
IMPLND     IWATER IMPEV                   COPY          INPUT  MEAN   5
IMPLND     IWATER PET                    COPY          INPUT  MEAN   4
  END MASS-LINK   91

*** non-pasture PERLNDs
  MASS-LINK       82
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>              <Name> x x  ***
***Flow in ac-ft
PERLND     PWATER PERO      0.0833333     COPY          INPUT  MEAN   1
***Only Silt + Clay is needed for EFDC modeling
PERLND     SEDMNT SOSED  1         0.9     COPY          INPUT  MEAN   2
```

```
***Heat
PERLND    PWTGAS POHT                COPY        INPUT  MEAN   3
***TAM
PERLND    PQUAL  POQUAL 1            COPY        INPUT  MEAN   4
***NO3
PERLND    PQUAL  POQUAL 2            COPY        INPUT  MEAN   5
***Organic N
PERLND    PQUAL  POQUAL 4   0.069176     COPY        INPUT  MEAN   6
***Ortho P
PERLND    PQUAL  POQUAL 3            COPY        INPUT  MEAN   7
***Organic P
PERLND    PQUAL  POQUAL 4   0.0075304    COPY        INPUT  MEAN   8
***Total Organic Carbon
PERLND    PQUAL  POQUAL 4      0.72    COPY        INPUT  MEAN   9
***BOD5
PERLND    PQUAL  POQUAL 4     0.1408    COPY        INPUT  MEAN  10
***DO
PERLND    PWTGAS PODOXM              COPY        INPUT  MEAN  11
  END MASS-LINK   82

*** pasture PERLNDs
  MASS-LINK      85
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>          <Name> x x<-factor->     <Name>              <Name> x x  ***
PERLND    PWATER PERO      0.0833333    COPY        INPUT  MEAN   1
***Only Silt + Clay is needed for EFDC modeling
PERLND    SEDMNT SOSED  1        0.9    COPY        INPUT  MEAN   2
***Heat
PERLND    PWTGAS POHT                COPY        INPUT  MEAN   3
*** Dissolved NH3
PERLND    NITR   TSAMS  1            COPY        INPUT  MEAN   4
PERLND    NITR   TSAMS  5            COPY        INPUT  MEAN   4
PERLND    NITR   SSAMS  3            COPY        INPUT  MEAN   4
*** Adsorbed NH3
PERLND    NITR   SEDN   2    0.70      COPY        INPUT  MEAN   4
PERLND    NITR   SEDN   2    0.30      COPY        INPUT  MEAN   4
*** NO3
PERLND    NITR   PONO3               COPY        INPUT  MEAN   5
***Organic N
PERLND    NITR   POORN               COPY        INPUT  MEAN   6
*** Dissolved PO4
PERLND    PHOS   TSP4S  1            COPY        INPUT  MEAN   7
PERLND    PHOS   TSP4S  5            COPY        INPUT  MEAN   7
PERLND    PHOS   SSP4S  3            COPY        INPUT  MEAN   7
*** Adsorbed PO4
PERLND    PHOS   SEDP   2            COPY        INPUT  MEAN   7
***Organic P
PERLND    PHOS   SEDP   1   1.20       COPY        INPUT  MEAN   8
PERLND    NITR   POORN     0.0553479    COPY        INPUT  MEAN   8
***Total Organic C
PERLND    NITR   POORN     5.681       COPY        INPUT  MEAN   9
***BOD5
PERLND    NITR   POORN     2.66        COPY        INPUT  MEAN  10
***DO
PERLND    PWTGAS PODOXM              COPY        INPUT  MEAN  11
  END MASS-LINK   85
```

```
  MASS-LINK       81
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>              <Name> x x  ***
IMPLND     IWATER SURO       0.0833333     COPY          INPUT  MEAN   1
***Only Silt + Clay is needed for EFDC modeling
IMPLND     SOLIDS SOSLD  1        0.9     COPY          INPUT  MEAN   2
***Heat
IMPLND     IWTGAS SOHT                    COPY          INPUT  MEAN   3
***TAM
IMPLND     IQUAL  SOQUAL 1                COPY          INPUT  MEAN   4
***Nitrate
IMPLND     IQUAL  SOQUAL 2                COPY          INPUT  MEAN   5
***Organic N
IMPLND     IQUAL  SOQUAL 4   0.069176     COPY          INPUT  MEAN   6
***OrthoP
IMPLND     IQUAL  SOQUAL 3                COPY          INPUT  MEAN   7
***Organic P
IMPLND     IQUAL  SOQUAL 4   0.0075304    COPY          INPUT  MEAN   8
***Total Organic Carbon
IMPLND     IQUAL  SOQUAL 4      0.72      COPY          INPUT  MEAN   9
***BOD5
IMPLND     IQUAL  SOQUAL 4      0.1408    COPY          INPUT  MEAN  10
***DO
IMPLND     IWTGAS SODOXM                  COPY          INPUT  MEAN  11
  END MASS-LINK   81

***MASS-LINK 21, 51, 11, and 31 are for locations in Oklahoma
*** non-pasture PERLNDs
  MASS-LINK       21
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>              <Name> x x  ***
PERLND     PWATER PERO       0.0833333     RCHRES        INFLOW IVOL
PERLND     PWTGAS PODOXM                   RCHRES        INFLOW OXIF   1
PERLND     PWTGAS POHT                     RCHRES        INFLOW IHEAT  1
PERLND     SEDMNT SOSED  1        0.10     RCHRES        INFLOW ISED   1
PERLND     SEDMNT SOSED  1        0.50     RCHRES        INFLOW ISED   2
PERLND     SEDMNT SOSED  1         0.4     RCHRES        INFLOW ISED   3
PERLND     PQUAL  POQUAL 1                 RCHRES        INFLOW NUIF1  2
PERLND     PQUAL  POQUAL 2                 RCHRES        INFLOW NUIF1  1
PERLND     PQUAL  POQUAL 3                 RCHRES        INFLOW NUIF1  4
PERLND     PQUAL  POQUAL 4         0.4     RCHRES        INFLOW OXIF   2
PERLND     PQUAL  POQUAL 4       0.048     RCHRES        INFLOW PKIF   3
PERLND     PQUAL  POQUAL 4      0.0046     RCHRES        INFLOW PKIF   4
PERLND     PQUAL  POQUAL 4         0.6     RCHRES        INFLOW PKIF   5

  END MASS-LINK   21

*** pasture PERLNDs
  MASS-LINK       51
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>              <Name> x x  ***
PERLND     PWATER PERO       0.0833333     RCHRES        INFLOW IVOL
PERLND     PWTGAS PODOXM                   RCHRES        INFLOW OXIF   1
PERLND     PWTGAS POHT                     RCHRES        INFLOW IHEAT  1
PERLND     SEDMNT SOSED  1        0.10     RCHRES        INFLOW ISED   1
```

```
PERLND    SEDMNT SOSED  1       0.50    RCHRES       INFLOW ISED   2
PERLND    SEDMNT SOSED  1        0.4    RCHRES       INFLOW ISED   3
*** NO3
PERLND    NITR   PONO3                  RCHRES       INFLOW NUIF1  1
*** Dissolved NH3
PERLND    NITR   TSAMS  1               RCHRES       INFLOW NUIF1  2
PERLND    NITR   TSAMS  5               RCHRES       INFLOW NUIF1  2
PERLND    NITR   SSAMS  3               RCHRES       INFLOW NUIF1  2
*** Adsorbed NH3
PERLND    NITR   SEDN   2     0.70      RCHRES       INFLOW NUIF2  2 1
PERLND    NITR   SEDN   2     0.30      RCHRES       INFLOW NUIF2  3 1
*** Dissolved PO4
PERLND    PHOS   TSP4S  1               RCHRES       INFLOW NUIF1  4
PERLND    PHOS   TSP4S  5               RCHRES       INFLOW NUIF1  4
PERLND    PHOS   SSP4S  3               RCHRES       INFLOW NUIF1  4
*** Adsorbed PO4
PERLND    PHOS   SEDP   2      .70      RCHRES       INFLOW NUIF2  2 2
PERLND    PHOS   SEDP   2      .30      RCHRES       INFLOW NUIF2  3 2
*** Organics
*** Refractory organic N (assume 60% refractory)
PERLND    NITR   POORN        0.60      RCHRES       INFLOW PKIF   3
*** Labile organic N (convert to BOD using CVON and 40% labile fraction)(factor = 0.4/CVON =
0.4/0.052945)
PERLND    NITR   POORN        7.555     RCHRES       INFLOW OXIF   2
*** Refractory Organic P
PERLND    PHOS   SEDP   1     1.20      RCHRES       INFLOW PKIF   4
*** Refractory Organic C (convert to refr organic C with 0.6 * CVOC/CVON = 0.6*0.3006/0.05294)
PERLND    NITR   POORN        3.41      RCHRES       INFLOW PKIF   5
  END MASS-LINK   51

  MASS-LINK       11
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>               <Name> x x  ***
IMPLND    IWATER SURO       0.0833333     RCHRES       INFLOW IVOL
IMPLND    IWTGAS SODOXM                   RCHRES       INFLOW OXIF   1
IMPLND    IWTGAS SOHT                     RCHRES       INFLOW IHEAT  1
IMPLND    SOLIDS SOSLD  1       0.10      RCHRES       INFLOW ISED   1
IMPLND    SOLIDS SOSLD  1       0.50      RCHRES       INFLOW ISED   2
IMPLND    SOLIDS SOSLD  1        0.4      RCHRES       INFLOW ISED   3
IMPLND    IQUAL  SOQUAL 1                 RCHRES       INFLOW NUIF1  2
IMPLND    IQUAL  SOQUAL 2                 RCHRES       INFLOW NUIF1  1
IMPLND    IQUAL  SOQUAL 3                 RCHRES       INFLOW NUIF1  4
IMPLND    IQUAL  SOQUAL 4        0.4      RCHRES       INFLOW OXIF   2
IMPLND    IQUAL  SOQUAL 4      0.048      RCHRES       INFLOW PKIF   3
IMPLND    IQUAL  SOQUAL 4     0.0046      RCHRES       INFLOW PKIF   4
IMPLND    IQUAL  SOQUAL 4       0.6       RCHRES       INFLOW PKIF   5
  END MASS-LINK   11

  MASS-LINK       31
<-Volume-> <-Grp> <-Member-><--Mult-->     <-Target vols> <-Grp> <-Member->  ***
<Name>           <Name> x x<-factor->     <Name>               <Name> x x  ***
RCHRES    ROFLOW                          RCHRES       INFLOW
  END MASS-LINK   31
```

```
END MASS-LINK

*** not used!!
MONTH-DATA

*** PO4-P flux lb/ac/day - surface layer
  MONTH-DATA       1
   Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec ***
   0.0   0.0 .0364 .0364 .0364 .0364 .0364 .0364 .0364 .0364 .0364   0.0
  END MONTH-DATA   1

*** PO4-P flux lb/ac/day - upper layer
  MONTH-DATA       2
   Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec ***
   0.0   0.0 .0364 .0364 .0364 .0364 .0364 .0364 .0364 .0364 .0364   0.0
  END MONTH-DATA   2

*** ORP flux lb/ac/day - surface layer
  MONTH-DATA       3
```

```
  Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec ***
  0.0   0.0 .0040 .0040 .0040 .0040 .0040 .0040 .0040 .0040 .0040   0.0
 END MONTH-DATA   3

*** ORP flux lb/ac/day - upper layer
 MONTH-DATA       4
  Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec ***
  0.0   0.0 .0040 .0040 .0040 .0040 .0040 .0040 .0040 .0040 .0040   0.0
 END MONTH-DATA   4

*** ORN flux lb/ac/day - surface layer
 MONTH-DATA       5
  Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec ***
  0.0   0.0 .0716 .0716 .0716 .0716 .0716 .0716 .0716 .0716 .0716   0.0
 END MONTH-DATA   5

*** ORN flux lb/ac/day - upper layer
 MONTH-DATA       6
  Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec ***
  0.0   0.0 .0716 .0716 .0716 .0716 .0716 .0716 .0716 .0716 .0716   0.0
 END MONTH-DATA   6

END MONTH-DATA

SPEC-ACTIONS
***                        addr
***                      <------>
*** kwd  varnam optyp  opn  vari  s1 s2 s3 tp multiply  lc ls ac as agfn ***
 <****> <----> <----> <-> <----><-><-><-><-><-><--------> <><-> <><-> <--> ***
 UVQUAN prec42 PERLND 442 SUPY              3                 DY  1 SUM
*** above in case we decide to use deferral for rain

*** DISTRB FUNCTION
*** DISTRB #1 = 5 applications of litter separated by two months
*** "5" refers to number of applications
*** "MO   2" means apply every two months
*** if deferred, shift
*** each application is 20% of total
*** EDIT by TAS on 07/06/2016 - 6 Applications on 2 month interval; using ODAFF data and 25%
weighting on Spr/fall
*** EDIT by TAS on 09/14/2016 - Aplign applications to start in March
*** kwd  ds  ct tc  ts  def     f1   f2   f3   f4   f5   f6   f7   f8   f9  f10
 <****>< > < > <> < > <--->  <---><---><---><---><---><---><---><---><---><---><--->
 DISTRB  1   6 MO   2 SHIFT   0.40  .16  .10  .17  .09  .08

*** UVNAME FUNCTION ***
*** USER Defined Variable for Litter Application ***
*** litter applications assumed to be tons/ac
*** NO3 = 0.8 lb/ton
*** NH4 = 7.7 lb/ton
*** ORGN = 53.5 lb/ton
*** PO4 = 27 lb/ton (1.9 dissolved + 25.1 adsorbed)
*** ORGP = 3 lb/ton
*** split all constituents 50% Surface and 50% Upper Layer
*** assume all NH4 and PO4 applied to adsorbed forms
*** run 32 - change 50-50 to 70-30 for litter
```

```
*** TAS EDIT Suface 10% and 90% Upper Layer - 09/12/2016
  UVNAME  LITTER 10 SNO3          0.08 QUAN    UNO3          0.72 QUAN
                SAMAD          0.77 QUAN    UAMAD          6.93 QUAN
                SORGN          5.35 QUAN    UORGN          48.15 QUAN
                SP4AD          2.7 QUAN    UP4AD          24.3 QUAN
                SORGP           0.3 QUAN    UORGP           2.7 QUAN

*** Action Line (currently set for 1.00 tons/ac and no deferral)
  <oper><f><-l> *** <yr><m><d><h><n>dstp  <vari><1><2><3><a><-value--> tc tst nu
*** 1992
  PERLND 32    DY  11992  3  1 12    1 3  LITTER        +=     0.38
  PERLND 52    DY  11992  3  1 12    1 3  LITTER        +=     1.25
  PERLND 72    DY  11992  3  1 12    1 3  LITTER        +=     0.58
  PERLND 92    DY  11992  3  1 12    1 3  LITTER        +=     1.05
  PERLND112    DY  11992  3  1 12    1 3  LITTER        +=     0.41
  PERLND132    DY  11992  3  1 12    1 3  LITTER        +=     0.46
  PERLND152    DY  11992  3  1 12    1 3  LITTER        +=     0.53
  PERLND172    DY  11992  3  1 12    1 3  LITTER        +=     2.03
  PERLND192    DY  11992  3  1 12    1 3  LITTER        +=     0.42
  PERLND212    DY  11992  3  1 12    1 3  LITTER        +=     0.55
  PERLND232    DY  11992  3  1 12    1 3  LITTER        +=     0.28
  PERLND252    DY  11992  3  1 12    1 3  LITTER        +=     0.20
  PERLND272    DY  11992  3  1 12    1 3  LITTER        +=     0.16
  PERLND292    DY  11992  3  1 12    1 3  LITTER        +=     0.16
  PERLND312    DY  11992  3  1 12    1 3  LITTER        +=     0.05
  PERLND332    DY  11992  3  1 12    1 3  LITTER        +=     1.11
  PERLND352    DY  11992  3  1 12    1 3  LITTER        +=     0.70
  PERLND372    DY  11992  3  1 12    1 3  LITTER        +=     0.00
  PERLND392    DY  11992  3  1 12    1 3  LITTER        +=     1.15
  PERLND412    DY  11992  3  1 12    1 3  LITTER        +=     0.46
  PERLND432    DY  11992  3  1 12    1 3  LITTER        +=     0.42
  PERLND452    DY  11992  3  1 12    1 3  LITTER        +=     0.21
  PERLND472    DY  11992  3  1 12    1 3  LITTER        +=     0.00
  PERLND492    DY  11992  3  1 12    1 3  LITTER        +=     0.60
  PERLND512    DY  11992  3  1 12    1 3  LITTER        +=     0.52
  PERLND532    DY  11992  3  1 12    1 3  LITTER        +=     0.16
  PERLND552    DY  11992  3  1 12    1 3  LITTER        +=     0.10
  PERLND572    DY  11992  3  1 12    1 3  LITTER        +=     0.60
  PERLND592    DY  11992  3  1 12    1 3  LITTER        +=     0.23
  PERLND612    DY  11992  3  1 12    1 3  LITTER        +=     0.20
  PERLND632    DY  11992  3  1 12    1 3  LITTER        +=     1.27
  PERLND652    DY  11992  3  1 12    1 3  LITTER        +=     1.29
  PERLND672    DY  11992  3  1 12    1 3  LITTER        +=     1.29
*** 1993
  PERLND 32    DY  11993  3  1 12    1 3  LITTER        +=     0.38
  PERLND 52    DY  11993  3  1 12    1 3  LITTER        +=     1.25
  PERLND 72    DY  11993  3  1 12    1 3  LITTER        +=     0.58
  PERLND 92    DY  11993  3  1 12    1 3  LITTER        +=     1.05
  PERLND112    DY  11993  3  1 12    1 3  LITTER        +=     0.41
  PERLND132    DY  11993  3  1 12    1 3  LITTER        +=     0.46
  PERLND152    DY  11993  3  1 12    1 3  LITTER        +=     0.53
  PERLND172    DY  11993  3  1 12    1 3  LITTER        +=     2.03
  PERLND192    DY  11993  3  1 12    1 3  LITTER        +=     0.42
  PERLND212    DY  11993  3  1 12    1 3  LITTER        +=     0.55
  PERLND232    DY  11993  3  1 12    1 3  LITTER        +=     0.28
  PERLND252    DY  11993  3  1 12    1 3  LITTER        +=     0.20
```

```
  PERLND272   DY  11993  3  1 12   1 3  LITTER       +=     0.16
  PERLND292   DY  11993  3  1 12   1 3  LITTER       +=     0.16
  PERLND312   DY  11993  3  1 12   1 3  LITTER       +=     0.05
  PERLND332   DY  11993  3  1 12   1 3  LITTER       +=     1.11
  PERLND352   DY  11993  3  1 12   1 3  LITTER       +=     0.70
  PERLND372   DY  11993  3  1 12   1 3  LITTER       +=     0.00
  PERLND392   DY  11993  3  1 12   1 3  LITTER       +=     1.15
  PERLND412   DY  11993  3  1 12   1 3  LITTER       +=     0.46
  PERLND432   DY  11993  3  1 12   1 3  LITTER       +=     0.42
  PERLND452   DY  11993  3  1 12   1 3  LITTER       +=     0.21
  PERLND472   DY  11993  3  1 12   1 3  LITTER       +=     0.00
  PERLND492   DY  11993  3  1 12   1 3  LITTER       +=     0.60
  PERLND512   DY  11993  3  1 12   1 3  LITTER       +=     0.52
  PERLND532   DY  11993  3  1 12   1 3  LITTER       +=     0.16
  PERLND552   DY  11993  3  1 12   1 3  LITTER       +=     0.10
  PERLND572   DY  11993  3  1 12   1 3  LITTER       +=     0.60
  PERLND592   DY  11993  3  1 12   1 3  LITTER       +=     0.23
  PERLND612   DY  11993  3  1 12   1 3  LITTER       +=     0.20
  PERLND632   DY  11993  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  11993  3  1 12   1 3  LITTER       +=     1.29
  PERLND672   DY  11993  3  1 12   1 3  LITTER       +=     1.29
*** 1994
  PERLND 32   DY  11994  3  1 12   1 3  LITTER       +=     0.38
  PERLND 52   DY  11994  3  1 12   1 3  LITTER       +=     1.25
  PERLND 72   DY  11994  3  1 12   1 3  LITTER       +=     0.58
  PERLND 92   DY  11994  3  1 12   1 3  LITTER       +=     1.05
  PERLND112   DY  11994  3  1 12   1 3  LITTER       +=     0.41
  PERLND132   DY  11994  3  1 12   1 3  LITTER       +=     0.46
  PERLND152   DY  11994  3  1 12   1 3  LITTER       +=     0.53
  PERLND172   DY  11994  3  1 12   1 3  LITTER       +=     2.03
  PERLND192   DY  11994  3  1 12   1 3  LITTER       +=     0.42
  PERLND212   DY  11994  3  1 12   1 3  LITTER       +=     0.55
  PERLND232   DY  11994  3  1 12   1 3  LITTER       +=     0.28
  PERLND252   DY  11994  3  1 12   1 3  LITTER       +=     0.20
  PERLND272   DY  11994  3  1 12   1 3  LITTER       +=     0.16
  PERLND292   DY  11994  3  1 12   1 3  LITTER       +=     0.16
  PERLND312   DY  11994  3  1 12   1 3  LITTER       +=     0.05
  PERLND332   DY  11994  3  1 12   1 3  LITTER       +=     1.11
  PERLND352   DY  11994  3  1 12   1 3  LITTER       +=     0.70
  PERLND372   DY  11994  3  1 12   1 3  LITTER       +=     0.00
  PERLND392   DY  11994  3  1 12   1 3  LITTER       +=     1.15
  PERLND412   DY  11994  3  1 12   1 3  LITTER       +=     0.46
  PERLND432   DY  11994  3  1 12   1 3  LITTER       +=     0.42
  PERLND452   DY  11994  3  1 12   1 3  LITTER       +=     0.21
  PERLND472   DY  11994  3  1 12   1 3  LITTER       +=     0.00
  PERLND492   DY  11994  3  1 12   1 3  LITTER       +=     0.60
  PERLND512   DY  11994  3  1 12   1 3  LITTER       +=     0.52
  PERLND532   DY  11994  3  1 12   1 3  LITTER       +=     0.16
  PERLND552   DY  11994  3  1 12   1 3  LITTER       +=     0.10
  PERLND572   DY  11994  3  1 12   1 3  LITTER       +=     0.60
  PERLND592   DY  11994  3  1 12   1 3  LITTER       +=     0.23
  PERLND612   DY  11994  3  1 12   1 3  LITTER       +=     0.20
  PERLND632   DY  11994  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  11994  3  1 12   1 3  LITTER       +=     1.29
  PERLND672   DY  11994  3  1 12   1 3  LITTER       +=     1.29
*** 1995
```

```
  PERLND 32   DY  11995  3  1 12   1 3  LITTER       +=    0.38
  PERLND 52   DY  11995  3  1 12   1 3  LITTER       +=    1.25
  PERLND 72   DY  11995  3  1 12   1 3  LITTER       +=    0.58
  PERLND 92   DY  11995  3  1 12   1 3  LITTER       +=    1.05
  PERLND112   DY  11995  3  1 12   1 3  LITTER       +=    0.41
  PERLND132   DY  11995  3  1 12   1 3  LITTER       +=    0.46
  PERLND152   DY  11995  3  1 12   1 3  LITTER       +=    0.53
  PERLND172   DY  11995  3  1 12   1 3  LITTER       +=    2.03
  PERLND192   DY  11995  3  1 12   1 3  LITTER       +=    0.42
  PERLND212   DY  11995  3  1 12   1 3  LITTER       +=    0.55
  PERLND232   DY  11995  3  1 12   1 3  LITTER       +=    0.28
  PERLND252   DY  11995  3  1 12   1 3  LITTER       +=    0.20
  PERLND272   DY  11995  3  1 12   1 3  LITTER       +=    0.16
  PERLND292   DY  11995  3  1 12   1 3  LITTER       +=    0.16
  PERLND312   DY  11995  3  1 12   1 3  LITTER       +=    0.05
  PERLND332   DY  11995  3  1 12   1 3  LITTER       +=    1.11
  PERLND352   DY  11995  3  1 12   1 3  LITTER       +=    0.70
  PERLND372   DY  11995  3  1 12   1 3  LITTER       +=    0.00
  PERLND392   DY  11995  3  1 12   1 3  LITTER       +=    1.15
  PERLND412   DY  11995  3  1 12   1 3  LITTER       +=    0.46
  PERLND432   DY  11995  3  1 12   1 3  LITTER       +=    0.42
  PERLND452   DY  11995  3  1 12   1 3  LITTER       +=    0.21
  PERLND472   DY  11995  3  1 12   1 3  LITTER       +=    0.00
  PERLND492   DY  11995  3  1 12   1 3  LITTER       +=    0.60
  PERLND512   DY  11995  3  1 12   1 3  LITTER       +=    0.52
  PERLND532   DY  11995  3  1 12   1 3  LITTER       +=    0.16
  PERLND552   DY  11995  3  1 12   1 3  LITTER       +=    0.10
  PERLND572   DY  11995  3  1 12   1 3  LITTER       +=    0.60
  PERLND592   DY  11995  3  1 12   1 3  LITTER       +=    0.23
  PERLND612   DY  11995  3  1 12   1 3  LITTER       +=    0.20
  PERLND632   DY  11995  3  1 12   1 3  LITTER       +=    1.27
  PERLND652   DY  11995  3  1 12   1 3  LITTER       +=    1.29
  PERLND672   DY  11995  3  1 12   1 3  LITTER       +=    1.29
*** 1996
  PERLND 32   DY  11996  3  1 12   1 3  LITTER       +=    0.38
  PERLND 52   DY  11996  3  1 12   1 3  LITTER       +=    1.25
  PERLND 72   DY  11996  3  1 12   1 3  LITTER       +=    0.58
  PERLND 92   DY  11996  3  1 12   1 3  LITTER       +=    1.05
  PERLND112   DY  11996  3  1 12   1 3  LITTER       +=    0.41
  PERLND132   DY  11996  3  1 12   1 3  LITTER       +=    0.46
  PERLND152   DY  11996  3  1 12   1 3  LITTER       +=    0.53
  PERLND172   DY  11996  3  1 12   1 3  LITTER       +=    2.03
  PERLND192   DY  11996  3  1 12   1 3  LITTER       +=    0.42
  PERLND212   DY  11996  3  1 12   1 3  LITTER       +=    0.55
  PERLND232   DY  11996  3  1 12   1 3  LITTER       +=    0.28
  PERLND252   DY  11996  3  1 12   1 3  LITTER       +=    0.20
  PERLND272   DY  11996  3  1 12   1 3  LITTER       +=    0.16
  PERLND292   DY  11996  3  1 12   1 3  LITTER       +=    0.16
  PERLND312   DY  11996  3  1 12   1 3  LITTER       +=    0.05
  PERLND332   DY  11996  3  1 12   1 3  LITTER       +=    1.11
  PERLND352   DY  11996  3  1 12   1 3  LITTER       +=    0.70
  PERLND372   DY  11996  3  1 12   1 3  LITTER       +=    0.00
  PERLND392   DY  11996  3  1 12   1 3  LITTER       +=    1.15
  PERLND412   DY  11996  3  1 12   1 3  LITTER       +=    0.46
  PERLND432   DY  11996  3  1 12   1 3  LITTER       +=    0.42
  PERLND452   DY  11996  3  1 12   1 3  LITTER       +=    0.21
```

```
  PERLND472   DY  11996  3  1 12   1 3  LITTER       +=     0.00
  PERLND492   DY  11996  3  1 12   1 3  LITTER       +=     0.60
  PERLND512   DY  11996  3  1 12   1 3  LITTER       +=     0.52
  PERLND532   DY  11996  3  1 12   1 3  LITTER       +=     0.16
  PERLND552   DY  11996  3  1 12   1 3  LITTER       +=     0.10
  PERLND572   DY  11996  3  1 12   1 3  LITTER       +=     0.60
  PERLND592   DY  11996  3  1 12   1 3  LITTER       +=     0.23
  PERLND612   DY  11996  3  1 12   1 3  LITTER       +=     0.20
  PERLND632   DY  11996  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  11996  3  1 12   1 3  LITTER       +=     1.29
  PERLND672   DY  11996  3  1 12   1 3  LITTER       +=     1.29
*** 1997
  PERLND 32   DY  11997  3  1 12   1 3  LITTER       +=     0.38
  PERLND 52   DY  11997  3  1 12   1 3  LITTER       +=     1.25
  PERLND 72   DY  11997  3  1 12   1 3  LITTER       +=     0.58
  PERLND 92   DY  11997  3  1 12   1 3  LITTER       +=     1.05
  PERLND112   DY  11997  3  1 12   1 3  LITTER       +=     0.41
  PERLND132   DY  11997  3  1 12   1 3  LITTER       +=     0.46
  PERLND152   DY  11997  3  1 12   1 3  LITTER       +=     0.53
  PERLND172   DY  11997  3  1 12   1 3  LITTER       +=     2.03
  PERLND192   DY  11997  3  1 12   1 3  LITTER       +=     0.42
  PERLND212   DY  11997  3  1 12   1 3  LITTER       +=     0.55
  PERLND232   DY  11997  3  1 12   1 3  LITTER       +=     0.28
  PERLND252   DY  11997  3  1 12   1 3  LITTER       +=     0.20
  PERLND272   DY  11997  3  1 12   1 3  LITTER       +=     0.16
  PERLND292   DY  11997  3  1 12   1 3  LITTER       +=     0.16
  PERLND312   DY  11997  3  1 12   1 3  LITTER       +=     0.05
  PERLND332   DY  11997  3  1 12   1 3  LITTER       +=     1.11
  PERLND352   DY  11997  3  1 12   1 3  LITTER       +=     0.70
  PERLND372   DY  11997  3  1 12   1 3  LITTER       +=     0.00
  PERLND392   DY  11997  3  1 12   1 3  LITTER       +=     1.15
  PERLND412   DY  11997  3  1 12   1 3  LITTER       +=     0.46
  PERLND432   DY  11997  3  1 12   1 3  LITTER       +=     0.42
  PERLND452   DY  11997  3  1 12   1 3  LITTER       +=     0.21
  PERLND472   DY  11997  3  1 12   1 3  LITTER       +=     0.00
  PERLND492   DY  11997  3  1 12   1 3  LITTER       +=     0.60
  PERLND512   DY  11997  3  1 12   1 3  LITTER       +=     0.52
  PERLND532   DY  11997  3  1 12   1 3  LITTER       +=     0.16
  PERLND552   DY  11997  3  1 12   1 3  LITTER       +=     0.10
  PERLND572   DY  11997  3  1 12   1 3  LITTER       +=     0.60
  PERLND592   DY  11997  3  1 12   1 3  LITTER       +=     0.23
  PERLND612   DY  11997  3  1 12   1 3  LITTER       +=     0.20
  PERLND632   DY  11997  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  11997  3  1 12   1 3  LITTER       +=     1.29
  PERLND672   DY  11997  3  1 12   1 3  LITTER       +=     1.29
*** 1998
  PERLND 32   DY  11998  3  1 12   1 3  LITTER       +=     0.38
  PERLND 52   DY  11998  3  1 12   1 3  LITTER       +=     1.25
  PERLND 72   DY  11998  3  1 12   1 3  LITTER       +=     0.58
  PERLND 92   DY  11998  3  1 12   1 3  LITTER       +=     1.05
  PERLND112   DY  11998  3  1 12   1 3  LITTER       +=     0.41
  PERLND132   DY  11998  3  1 12   1 3  LITTER       +=     0.46
  PERLND152   DY  11998  3  1 12   1 3  LITTER       +=     0.53
  PERLND172   DY  11998  3  1 12   1 3  LITTER       +=     2.03
  PERLND192   DY  11998  3  1 12   1 3  LITTER       +=     0.42
  PERLND212   DY  11998  3  1 12   1 3  LITTER       +=     0.55
```

```
  PERLND232   DY  11998  3  1 12   1 3  LITTER       +=     0.28
  PERLND252   DY  11998  3  1 12   1 3  LITTER       +=     0.20
  PERLND272   DY  11998  3  1 12   1 3  LITTER       +=     0.16
  PERLND292   DY  11998  3  1 12   1 3  LITTER       +=     0.16
  PERLND312   DY  11998  3  1 12   1 3  LITTER       +=     0.05
  PERLND332   DY  11998  3  1 12   1 3  LITTER       +=     1.11
  PERLND352   DY  11998  3  1 12   1 3  LITTER       +=     0.70
  PERLND372   DY  11998  3  1 12   1 3  LITTER       +=     0.00
  PERLND392   DY  11998  3  1 12   1 3  LITTER       +=     1.15
  PERLND412   DY  11998  3  1 12   1 3  LITTER       +=     0.46
  PERLND432   DY  11998  3  1 12   1 3  LITTER       +=     0.42
  PERLND452   DY  11998  3  1 12   1 3  LITTER       +=     0.21
  PERLND472   DY  11998  3  1 12   1 3  LITTER       +=     0.00
  PERLND492   DY  11998  3  1 12   1 3  LITTER       +=     0.60
  PERLND512   DY  11998  3  1 12   1 3  LITTER       +=     0.52
  PERLND532   DY  11998  3  1 12   1 3  LITTER       +=     0.16
  PERLND552   DY  11998  3  1 12   1 3  LITTER       +=     0.10
  PERLND572   DY  11998  3  1 12   1 3  LITTER       +=     0.60
  PERLND592   DY  11998  3  1 12   1 3  LITTER       +=     0.23
  PERLND612   DY  11998  3  1 12   1 3  LITTER       +=     0.20
  PERLND632   DY  11998  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  11998  3  1 12   1 3  LITTER       +=     1.29
  PERLND672   DY  11998  3  1 12   1 3  LITTER       +=     1.29
*** 1999
  PERLND 32   DY  11999  3  1 12   1 3  LITTER       +=     0.38
  PERLND 52   DY  11999  3  1 12   1 3  LITTER       +=     1.25
  PERLND 72   DY  11999  3  1 12   1 3  LITTER       +=     0.58
  PERLND 92   DY  11999  3  1 12   1 3  LITTER       +=     1.05
  PERLND112   DY  11999  3  1 12   1 3  LITTER       +=     0.41
  PERLND132   DY  11999  3  1 12   1 3  LITTER       +=     0.46
  PERLND152   DY  11999  3  1 12   1 3  LITTER       +=     0.53
  PERLND172   DY  11999  3  1 12   1 3  LITTER       +=     2.03
  PERLND192   DY  11999  3  1 12   1 3  LITTER       +=     0.42
  PERLND212   DY  11999  3  1 12   1 3  LITTER       +=     0.55
  PERLND232   DY  11999  3  1 12   1 3  LITTER       +=     0.28
  PERLND252   DY  11999  3  1 12   1 3  LITTER       +=     0.20
  PERLND272   DY  11999  3  1 12   1 3  LITTER       +=     0.16
  PERLND292   DY  11999  3  1 12   1 3  LITTER       +=     0.16
  PERLND312   DY  11999  3  1 12   1 3  LITTER       +=     0.05
  PERLND332   DY  11999  3  1 12   1 3  LITTER       +=     1.11
  PERLND352   DY  11999  3  1 12   1 3  LITTER       +=     0.70
  PERLND372   DY  11999  3  1 12   1 3  LITTER       +=     0.00
  PERLND392   DY  11999  3  1 12   1 3  LITTER       +=     1.15
  PERLND412   DY  11999  3  1 12   1 3  LITTER       +=     0.46
  PERLND432   DY  11999  3  1 12   1 3  LITTER       +=     0.42
  PERLND452   DY  11999  3  1 12   1 3  LITTER       +=     0.21
  PERLND472   DY  11999  3  1 12   1 3  LITTER       +=     0.00
  PERLND492   DY  11999  3  1 12   1 3  LITTER       +=     0.60
  PERLND512   DY  11999  3  1 12   1 3  LITTER       +=     0.52
  PERLND532   DY  11999  3  1 12   1 3  LITTER       +=     0.16
  PERLND552   DY  11999  3  1 12   1 3  LITTER       +=     0.10
  PERLND572   DY  11999  3  1 12   1 3  LITTER       +=     0.60
  PERLND592   DY  11999  3  1 12   1 3  LITTER       +=     0.23
  PERLND612   DY  11999  3  1 12   1 3  LITTER       +=     0.20
  PERLND632   DY  11999  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  11999  3  1 12   1 3  LITTER       +=     1.29
```

```
  PERLND672   DY  11999  3  1 12   1 3  LITTER       +=     1.29
*** 2000
  PERLND 32   DY  12000  3  1 12   1 3  LITTER       +=     0.38
  PERLND 52   DY  12000  3  1 12   1 3  LITTER       +=     1.25
  PERLND 72   DY  12000  3  1 12   1 3  LITTER       +=     0.58
  PERLND 92   DY  12000  3  1 12   1 3  LITTER       +=     1.05
  PERLND112   DY  12000  3  1 12   1 3  LITTER       +=     0.41
  PERLND132   DY  12000  3  1 12   1 3  LITTER       +=     0.46
  PERLND152   DY  12000  3  1 12   1 3  LITTER       +=     0.53
  PERLND172   DY  12000  3  1 12   1 3  LITTER       +=     2.03
  PERLND192   DY  12000  3  1 12   1 3  LITTER       +=     0.42
  PERLND212   DY  12000  3  1 12   1 3  LITTER       +=     0.55
  PERLND232   DY  12000  3  1 12   1 3  LITTER       +=     0.28
  PERLND252   DY  12000  3  1 12   1 3  LITTER       +=     0.20
  PERLND272   DY  12000  3  1 12   1 3  LITTER       +=     0.16
  PERLND292   DY  12000  3  1 12   1 3  LITTER       +=     0.16
  PERLND312   DY  12000  3  1 12   1 3  LITTER       +=     0.05
  PERLND332   DY  12000  3  1 12   1 3  LITTER       +=     1.11
  PERLND352   DY  12000  3  1 12   1 3  LITTER       +=     0.70
  PERLND372   DY  12000  3  1 12   1 3  LITTER       +=     0.00
  PERLND392   DY  12000  3  1 12   1 3  LITTER       +=     1.15
  PERLND412   DY  12000  3  1 12   1 3  LITTER       +=     0.46
  PERLND432   DY  12000  3  1 12   1 3  LITTER       +=     0.42
  PERLND452   DY  12000  3  1 12   1 3  LITTER       +=     0.21
  PERLND472   DY  12000  3  1 12   1 3  LITTER       +=     0.00
  PERLND492   DY  12000  3  1 12   1 3  LITTER       +=     0.60
  PERLND512   DY  12000  3  1 12   1 3  LITTER       +=     0.52
  PERLND532   DY  12000  3  1 12   1 3  LITTER       +=     0.16
  PERLND552   DY  12000  3  1 12   1 3  LITTER       +=     0.10
  PERLND572   DY  12000  3  1 12   1 3  LITTER       +=     0.60
  PERLND592   DY  12000  3  1 12   1 3  LITTER       +=     0.23
  PERLND612   DY  12000  3  1 12   1 3  LITTER       +=     0.20
  PERLND632   DY  12000  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  12000  3  1 12   1 3  LITTER       +=     1.29
  PERLND672   DY  12000  3  1 12   1 3  LITTER       +=     1.29
*** 2001
  PERLND 32   DY  12001  3  1 12   1 3  LITTER       +=     0.38
  PERLND 52   DY  12001  3  1 12   1 3  LITTER       +=     1.25
  PERLND 72   DY  12001  3  1 12   1 3  LITTER       +=     0.58
  PERLND 92   DY  12001  3  1 12   1 3  LITTER       +=     1.05
  PERLND112   DY  12001  3  1 12   1 3  LITTER       +=     0.41
  PERLND132   DY  12001  3  1 12   1 3  LITTER       +=     0.46
  PERLND152   DY  12001  3  1 12   1 3  LITTER       +=     0.53
  PERLND172   DY  12001  3  1 12   1 3  LITTER       +=     2.03
  PERLND192   DY  12001  3  1 12   1 3  LITTER       +=     0.42
  PERLND212   DY  12001  3  1 12   1 3  LITTER       +=     0.55
  PERLND232   DY  12001  3  1 12   1 3  LITTER       +=     0.28
  PERLND252   DY  12001  3  1 12   1 3  LITTER       +=     0.20
  PERLND272   DY  12001  3  1 12   1 3  LITTER       +=     0.16
  PERLND292   DY  12001  3  1 12   1 3  LITTER       +=     0.16
  PERLND312   DY  12001  3  1 12   1 3  LITTER       +=     0.05
  PERLND332   DY  12001  3  1 12   1 3  LITTER       +=     1.11
  PERLND352   DY  12001  3  1 12   1 3  LITTER       +=     0.70
  PERLND372   DY  12001  3  1 12   1 3  LITTER       +=     0.00
  PERLND392   DY  12001  3  1 12   1 3  LITTER       +=     1.15
  PERLND412   DY  12001  3  1 12   1 3  LITTER       +=     0.46
```

```
  PERLND432   DY  12001  3  1 12   1 3  LITTER       +=     0.42
  PERLND452   DY  12001  3  1 12   1 3  LITTER       +=     0.21
  PERLND472   DY  12001  3  1 12   1 3  LITTER       +=     0.00
  PERLND492   DY  12001  3  1 12   1 3  LITTER       +=     0.60
  PERLND512   DY  12001  3  1 12   1 3  LITTER       +=     0.52
  PERLND532   DY  12001  3  1 12   1 3  LITTER       +=     0.16
  PERLND552   DY  12001  3  1 12   1 3  LITTER       +=     0.10
  PERLND572   DY  12001  3  1 12   1 3  LITTER       +=     0.60
  PERLND592   DY  12001  3  1 12   1 3  LITTER       +=     0.23
  PERLND612   DY  12001  3  1 12   1 3  LITTER       +=     0.20
  PERLND632   DY  12001  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  12001  3  1 12   1 3  LITTER       +=     1.29
  PERLND672   DY  12001  3  1 12   1 3  LITTER       +=     1.29
*** 2002
  PERLND 32   DY  12002  3  1 12   1 3  LITTER       +=     0.38
  PERLND 52   DY  12002  3  1 12   1 3  LITTER       +=     1.25
  PERLND 72   DY  12002  3  1 12   1 3  LITTER       +=     0.58
  PERLND 92   DY  12002  3  1 12   1 3  LITTER       +=     1.05
  PERLND112   DY  12002  3  1 12   1 3  LITTER       +=     0.41
  PERLND132   DY  12002  3  1 12   1 3  LITTER       +=     0.46
  PERLND152   DY  12002  3  1 12   1 3  LITTER       +=     0.53
  PERLND172   DY  12002  3  1 12   1 3  LITTER       +=     2.03
  PERLND192   DY  12002  3  1 12   1 3  LITTER       +=     0.42
  PERLND212   DY  12002  3  1 12   1 3  LITTER       +=     0.55
  PERLND232   DY  12002  3  1 12   1 3  LITTER       +=     0.28
  PERLND252   DY  12002  3  1 12   1 3  LITTER       +=     0.20
  PERLND272   DY  12002  3  1 12   1 3  LITTER       +=     0.16
  PERLND292   DY  12002  3  1 12   1 3  LITTER       +=     0.16
  PERLND312   DY  12002  3  1 12   1 3  LITTER       +=     0.05
  PERLND332   DY  12002  3  1 12   1 3  LITTER       +=     1.11
  PERLND352   DY  12002  3  1 12   1 3  LITTER       +=     0.70
  PERLND372   DY  12002  3  1 12   1 3  LITTER       +=     0.00
  PERLND392   DY  12002  3  1 12   1 3  LITTER       +=     1.15
  PERLND412   DY  12002  3  1 12   1 3  LITTER       +=     0.46
  PERLND432   DY  12002  3  1 12   1 3  LITTER       +=     0.42
  PERLND452   DY  12002  3  1 12   1 3  LITTER       +=     0.21
  PERLND472   DY  12002  3  1 12   1 3  LITTER       +=     0.00
  PERLND492   DY  12002  3  1 12   1 3  LITTER       +=     0.60
  PERLND512   DY  12002  3  1 12   1 3  LITTER       +=     0.52
  PERLND532   DY  12002  3  1 12   1 3  LITTER       +=     0.16
  PERLND552   DY  12002  3  1 12   1 3  LITTER       +=     0.10
  PERLND572   DY  12002  3  1 12   1 3  LITTER       +=     0.60
  PERLND592   DY  12002  3  1 12   1 3  LITTER       +=     0.23
  PERLND612   DY  12002  3  1 12   1 3  LITTER       +=     0.20
  PERLND632   DY  12002  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  12002  3  1 12   1 3  LITTER       +=     1.29
  PERLND672   DY  12002  3  1 12   1 3  LITTER       +=     1.29
*** 2003
  PERLND 32   DY  12003  3  1 12   1 3  LITTER       +=     0.38
  PERLND 52   DY  12003  3  1 12   1 3  LITTER       +=     1.25
  PERLND 72   DY  12003  3  1 12   1 3  LITTER       +=     0.58
  PERLND 92   DY  12003  3  1 12   1 3  LITTER       +=     1.05
  PERLND112   DY  12003  3  1 12   1 3  LITTER       +=     0.41
  PERLND132   DY  12003  3  1 12   1 3  LITTER       +=     0.46
  PERLND152   DY  12003  3  1 12   1 3  LITTER       +=     0.53
  PERLND172   DY  12003  3  1 12   1 3  LITTER       +=     2.03
```

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  PERLND192   DY  12003  3  1 12   1 3  LITTER       +=    0.42
  PERLND212   DY  12003  3  1 12   1 3  LITTER       +=    0.55
  PERLND232   DY  12003  3  1 12   1 3  LITTER       +=    0.28
  PERLND252   DY  12003  3  1 12   1 3  LITTER       +=    0.20
  PERLND272   DY  12003  3  1 12   1 3  LITTER       +=    0.16
  PERLND292   DY  12003  3  1 12   1 3  LITTER       +=    0.16
  PERLND312   DY  12003  3  1 12   1 3  LITTER       +=    0.05
  PERLND332   DY  12003  3  1 12   1 3  LITTER       +=    1.11
  PERLND352   DY  12003  3  1 12   1 3  LITTER       +=    0.70
  PERLND372   DY  12003  3  1 12   1 3  LITTER       +=    0.00
  PERLND392   DY  12003  3  1 12   1 3  LITTER       +=    1.15
  PERLND412   DY  12003  3  1 12   1 3  LITTER       +=    0.46
  PERLND432   DY  12003  3  1 12   1 3  LITTER       +=    0.42
  PERLND452   DY  12003  3  1 12   1 3  LITTER       +=    0.21
  PERLND472   DY  12003  3  1 12   1 3  LITTER       +=    0.00
  PERLND492   DY  12003  3  1 12   1 3  LITTER       +=    0.60
  PERLND512   DY  12003  3  1 12   1 3  LITTER       +=    0.52
  PERLND532   DY  12003  3  1 12   1 3  LITTER       +=    0.16
  PERLND552   DY  12003  3  1 12   1 3  LITTER       +=    0.10
  PERLND572   DY  12003  3  1 12   1 3  LITTER       +=    0.60
  PERLND592   DY  12003  3  1 12   1 3  LITTER       +=    0.23
  PERLND612   DY  12003  3  1 12   1 3  LITTER       +=    0.20
  PERLND632   DY  12003  3  1 12   1 3  LITTER       +=    1.27
  PERLND652   DY  12003  3  1 12   1 3  LITTER       +=    1.29
  PERLND672   DY  12003  3  1 12   1 3  LITTER       +=    1.29
*** 2004
  PERLND 32   DY  12004  3  1 12   1 3  LITTER       +=    0.38
  PERLND 52   DY  12004  3  1 12   1 3  LITTER       +=    1.25
  PERLND 72   DY  12004  3  1 12   1 3  LITTER       +=    0.58
  PERLND 92   DY  12004  3  1 12   1 3  LITTER       +=    1.05
  PERLND112   DY  12004  3  1 12   1 3  LITTER       +=    0.41
  PERLND132   DY  12004  3  1 12   1 3  LITTER       +=    0.46
  PERLND152   DY  12004  3  1 12   1 3  LITTER       +=    0.53
  PERLND172   DY  12004  3  1 12   1 3  LITTER       +=    2.03
  PERLND192   DY  12004  3  1 12   1 3  LITTER       +=    0.42
  PERLND212   DY  12004  3  1 12   1 3  LITTER       +=    0.55
  PERLND232   DY  12004  3  1 12   1 3  LITTER       +=    0.28
  PERLND252   DY  12004  3  1 12   1 3  LITTER       +=    0.20
  PERLND272   DY  12004  3  1 12   1 3  LITTER       +=    0.16
  PERLND292   DY  12004  3  1 12   1 3  LITTER       +=    0.16
  PERLND312   DY  12004  3  1 12   1 3  LITTER       +=    0.05
  PERLND332   DY  12004  3  1 12   1 3  LITTER       +=    1.11
  PERLND352   DY  12004  3  1 12   1 3  LITTER       +=    0.70
  PERLND372   DY  12004  3  1 12   1 3  LITTER       +=    0.00
  PERLND392   DY  12004  3  1 12   1 3  LITTER       +=    1.15
  PERLND412   DY  12004  3  1 12   1 3  LITTER       +=    0.46
  PERLND432   DY  12004  3  1 12   1 3  LITTER       +=    0.42
  PERLND452   DY  12004  3  1 12   1 3  LITTER       +=    0.21
  PERLND472   DY  12004  3  1 12   1 3  LITTER       +=    0.00
  PERLND492   DY  12004  3  1 12   1 3  LITTER       +=    0.60
  PERLND512   DY  12004  3  1 12   1 3  LITTER       +=    0.52
  PERLND532   DY  12004  3  1 12   1 3  LITTER       +=    0.16
  PERLND552   DY  12004  3  1 12   1 3  LITTER       +=    0.10
  PERLND572   DY  12004  3  1 12   1 3  LITTER       +=    0.60
  PERLND592   DY  12004  3  1 12   1 3  LITTER       +=    0.23
  PERLND612   DY  12004  3  1 12   1 3  LITTER       +=    0.20
```

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  PERLND632   DY  12004  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  12004  3  1 12   1 3  LITTER       +=     1.29
  PERLND672   DY  12004  3  1 12   1 3  LITTER       +=     1.29
*** 2005
  PERLND 32   DY  12005  3  1 12   1 3  LITTER       +=     0.38
  PERLND 52   DY  12005  3  1 12   1 3  LITTER       +=     1.25
  PERLND 72   DY  12005  3  1 12   1 3  LITTER       +=     0.58
  PERLND 92   DY  12005  3  1 12   1 3  LITTER       +=     1.05
  PERLND112   DY  12005  3  1 12   1 3  LITTER       +=     0.41
  PERLND132   DY  12005  3  1 12   1 3  LITTER       +=     0.46
  PERLND152   DY  12005  3  1 12   1 3  LITTER       +=     0.53
  PERLND172   DY  12005  3  1 12   1 3  LITTER       +=     2.03
  PERLND192   DY  12005  3  1 12   1 3  LITTER       +=     0.42
  PERLND212   DY  12005  3  1 12   1 3  LITTER       +=     0.55
  PERLND232   DY  12005  3  1 12   1 3  LITTER       +=     0.28
  PERLND252   DY  12005  3  1 12   1 3  LITTER       +=     0.20
  PERLND272   DY  12005  3  1 12   1 3  LITTER       +=     0.16
  PERLND292   DY  12005  3  1 12   1 3  LITTER       +=     0.16
  PERLND312   DY  12005  3  1 12   1 3  LITTER       +=     0.05
  PERLND332   DY  12005  3  1 12   1 3  LITTER       +=     1.11
  PERLND352   DY  12005  3  1 12   1 3  LITTER       +=     0.70
  PERLND372   DY  12005  3  1 12   1 3  LITTER       +=     0.00
  PERLND392   DY  12005  3  1 12   1 3  LITTER       +=     1.15
  PERLND412   DY  12005  3  1 12   1 3  LITTER       +=     0.46
  PERLND432   DY  12005  3  1 12   1 3  LITTER       +=     0.42
  PERLND452   DY  12005  3  1 12   1 3  LITTER       +=     0.21
  PERLND472   DY  12005  3  1 12   1 3  LITTER       +=     0.00
  PERLND492   DY  12005  3  1 12   1 3  LITTER       +=     0.60
  PERLND512   DY  12005  3  1 12   1 3  LITTER       +=     0.52
  PERLND532   DY  12005  3  1 12   1 3  LITTER       +=     0.16
  PERLND552   DY  12005  3  1 12   1 3  LITTER       +=     0.10
  PERLND572   DY  12005  3  1 12   1 3  LITTER       +=     0.60
  PERLND592   DY  12005  3  1 12   1 3  LITTER       +=     0.23
  PERLND612   DY  12005  3  1 12   1 3  LITTER       +=     0.20
  PERLND632   DY  12005  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  12005  3  1 12   1 3  LITTER       +=     1.29
  PERLND672   DY  12005  3  1 12   1 3  LITTER       +=     1.29
*** 2006
  PERLND 32   DY  12006  3  1 12   1 3  LITTER       +=     0.38
  PERLND 52   DY  12006  3  1 12   1 3  LITTER       +=     1.25
  PERLND 72   DY  12006  3  1 12   1 3  LITTER       +=     0.58
  PERLND 92   DY  12006  3  1 12   1 3  LITTER       +=     1.05
  PERLND112   DY  12006  3  1 12   1 3  LITTER       +=     0.41
  PERLND132   DY  12006  3  1 12   1 3  LITTER       +=     0.46
  PERLND152   DY  12006  3  1 12   1 3  LITTER       +=     0.53
  PERLND172   DY  12006  3  1 12   1 3  LITTER       +=     2.03
  PERLND192   DY  12006  3  1 12   1 3  LITTER       +=     0.42
  PERLND212   DY  12006  3  1 12   1 3  LITTER       +=     0.55
  PERLND232   DY  12006  3  1 12   1 3  LITTER       +=     0.28
  PERLND252   DY  12006  3  1 12   1 3  LITTER       +=     0.20
  PERLND272   DY  12006  3  1 12   1 3  LITTER       +=     0.16
  PERLND292   DY  12006  3  1 12   1 3  LITTER       +=     0.16
  PERLND312   DY  12006  3  1 12   1 3  LITTER       +=     0.05
  PERLND332   DY  12006  3  1 12   1 3  LITTER       +=     1.11
  PERLND352   DY  12006  3  1 12   1 3  LITTER       +=     0.70
  PERLND372   DY  12006  3  1 12   1 3  LITTER       +=     0.00
```

```
  PERLND392   DY  12006  3  1 12   1 3  LITTER       +=     1.15
  PERLND412   DY  12006  3  1 12   1 3  LITTER       +=     0.46
  PERLND432   DY  12006  3  1 12   1 3  LITTER       +=     0.42
  PERLND452   DY  12006  3  1 12   1 3  LITTER       +=     0.21
  PERLND472   DY  12006  3  1 12   1 3  LITTER       +=     0.00
  PERLND492   DY  12006  3  1 12   1 3  LITTER       +=     0.60
  PERLND512   DY  12006  3  1 12   1 3  LITTER       +=     0.52
  PERLND532   DY  12006  3  1 12   1 3  LITTER       +=     0.16
  PERLND552   DY  12006  3  1 12   1 3  LITTER       +=     0.10
  PERLND572   DY  12006  3  1 12   1 3  LITTER       +=     0.60
  PERLND592   DY  12006  3  1 12   1 3  LITTER       +=     0.23
  PERLND612   DY  12006  3  1 12   1 3  LITTER       +=     0.20
  PERLND632   DY  12006  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  12006  3  1 12   1 3  LITTER       +=     1.29
  PERLND672   DY  12006  3  1 12   1 3  LITTER       +=     1.29
*** 2007
  PERLND 32   DY  12007  3  1 12   1 3  LITTER       +=     0.38
  PERLND 52   DY  12007  3  1 12   1 3  LITTER       +=     1.25
  PERLND 72   DY  12007  3  1 12   1 3  LITTER       +=     0.58
  PERLND 92   DY  12007  3  1 12   1 3  LITTER       +=     1.05
  PERLND112   DY  12007  3  1 12   1 3  LITTER       +=     0.41
  PERLND132   DY  12007  3  1 12   1 3  LITTER       +=     0.46
  PERLND152   DY  12007  3  1 12   1 3  LITTER       +=     0.53
  PERLND172   DY  12007  3  1 12   1 3  LITTER       +=     2.03
  PERLND192   DY  12007  3  1 12   1 3  LITTER       +=     0.42
  PERLND212   DY  12007  3  1 12   1 3  LITTER       +=     0.55
  PERLND232   DY  12007  3  1 12   1 3  LITTER       +=     0.28
  PERLND252   DY  12007  3  1 12   1 3  LITTER       +=     0.20
  PERLND272   DY  12007  3  1 12   1 3  LITTER       +=     0.16
  PERLND292   DY  12007  3  1 12   1 3  LITTER       +=     0.16
  PERLND312   DY  12007  3  1 12   1 3  LITTER       +=     0.05
  PERLND332   DY  12007  3  1 12   1 3  LITTER       +=     1.11
  PERLND352   DY  12007  3  1 12   1 3  LITTER       +=     0.70
  PERLND372   DY  12007  3  1 12   1 3  LITTER       +=     0.00
  PERLND392   DY  12007  3  1 12   1 3  LITTER       +=     1.15
  PERLND412   DY  12007  3  1 12   1 3  LITTER       +=     0.46
  PERLND432   DY  12007  3  1 12   1 3  LITTER       +=     0.42
  PERLND452   DY  12007  3  1 12   1 3  LITTER       +=     0.21
  PERLND472   DY  12007  3  1 12   1 3  LITTER       +=     0.00
  PERLND492   DY  12007  3  1 12   1 3  LITTER       +=     0.60
  PERLND512   DY  12007  3  1 12   1 3  LITTER       +=     0.52
  PERLND532   DY  12007  3  1 12   1 3  LITTER       +=     0.16
  PERLND552   DY  12007  3  1 12   1 3  LITTER       +=     0.10
  PERLND572   DY  12007  3  1 12   1 3  LITTER       +=     0.60
  PERLND592   DY  12007  3  1 12   1 3  LITTER       +=     0.23
  PERLND612   DY  12007  3  1 12   1 3  LITTER       +=     0.20
  PERLND632   DY  12007  3  1 12   1 3  LITTER       +=     1.27
  PERLND652   DY  12007  3  1 12   1 3  LITTER       +=     1.29
  PERLND672   DY  12007  3  1 12   1 3  LITTER       +=     1.29
*** 2008
  PERLND 32   DY  12008  3  1 12   1 3  LITTER       +=     0.38
  PERLND 52   DY  12008  3  1 12   1 3  LITTER       +=     1.25
  PERLND 72   DY  12008  3  1 12   1 3  LITTER       +=     0.58
  PERLND 92   DY  12008  3  1 12   1 3  LITTER       +=     1.05
  PERLND112   DY  12008  3  1 12   1 3  LITTER       +=     0.41
  PERLND132   DY  12008  3  1 12   1 3  LITTER       +=     0.46
```

```
  PERLND152   DY  12008  3  1 12   1 3  LITTER       +=    0.53
  PERLND172   DY  12008  3  1 12   1 3  LITTER       +=    2.03
  PERLND192   DY  12008  3  1 12   1 3  LITTER       +=    0.42
  PERLND212   DY  12008  3  1 12   1 3  LITTER       +=    0.55
  PERLND232   DY  12008  3  1 12   1 3  LITTER       +=    0.28
  PERLND252   DY  12008  3  1 12   1 3  LITTER       +=    0.20
  PERLND272   DY  12008  3  1 12   1 3  LITTER       +=    0.16
  PERLND292   DY  12008  3  1 12   1 3  LITTER       +=    0.16
  PERLND312   DY  12008  3  1 12   1 3  LITTER       +=    0.05
  PERLND332   DY  12008  3  1 12   1 3  LITTER       +=    1.11
  PERLND352   DY  12008  3  1 12   1 3  LITTER       +=    0.70
  PERLND372   DY  12008  3  1 12   1 3  LITTER       +=    0.00
  PERLND392   DY  12008  3  1 12   1 3  LITTER       +=    1.15
  PERLND412   DY  12008  3  1 12   1 3  LITTER       +=    0.46
  PERLND432   DY  12008  3  1 12   1 3  LITTER       +=    0.42
  PERLND452   DY  12008  3  1 12   1 3  LITTER       +=    0.21
  PERLND472   DY  12008  3  1 12   1 3  LITTER       +=    0.00
  PERLND492   DY  12008  3  1 12   1 3  LITTER       +=    0.60
  PERLND512   DY  12008  3  1 12   1 3  LITTER       +=    0.52
  PERLND532   DY  12008  3  1 12   1 3  LITTER       +=    0.16
  PERLND552   DY  12008  3  1 12   1 3  LITTER       +=    0.10
  PERLND572   DY  12008  3  1 12   1 3  LITTER       +=    0.60
  PERLND592   DY  12008  3  1 12   1 3  LITTER       +=    0.23
  PERLND612   DY  12008  3  1 12   1 3  LITTER       +=    0.20
  PERLND632   DY  12008  3  1 12   1 3  LITTER       +=    1.27
  PERLND652   DY  12008  3  1 12   1 3  LITTER       +=    1.29
  PERLND672   DY  12008  3  1 12   1 3  LITTER       +=    1.29
*** 2009
  PERLND 32   DY  12009  3  1 12   1 3  LITTER       +=    0.38
  PERLND 52   DY  12009  3  1 12   1 3  LITTER       +=    1.25
  PERLND 72   DY  12009  3  1 12   1 3  LITTER       +=    0.58
  PERLND 92   DY  12009  3  1 12   1 3  LITTER       +=    1.05
  PERLND112   DY  12009  3  1 12   1 3  LITTER       +=    0.41
  PERLND132   DY  12009  3  1 12   1 3  LITTER       +=    0.46
  PERLND152   DY  12009  3  1 12   1 3  LITTER       +=    0.53
  PERLND172   DY  12009  3  1 12   1 3  LITTER       +=    2.03
  PERLND192   DY  12009  3  1 12   1 3  LITTER       +=    0.42
  PERLND212   DY  12009  3  1 12   1 3  LITTER       +=    0.55
  PERLND232   DY  12009  3  1 12   1 3  LITTER       +=    0.28
  PERLND252   DY  12009  3  1 12   1 3  LITTER       +=    0.20
  PERLND272   DY  12009  3  1 12   1 3  LITTER       +=    0.16
  PERLND292   DY  12009  3  1 12   1 3  LITTER       +=    0.16
  PERLND312   DY  12009  3  1 12   1 3  LITTER       +=    0.05
  PERLND332   DY  12009  3  1 12   1 3  LITTER       +=    1.11
  PERLND352   DY  12009  3  1 12   1 3  LITTER       +=    0.70
  PERLND372   DY  12009  3  1 12   1 3  LITTER       +=    0.00
  PERLND392   DY  12009  3  1 12   1 3  LITTER       +=    1.15
  PERLND412   DY  12009  3  1 12   1 3  LITTER       +=    0.46
  PERLND432   DY  12009  3  1 12   1 3  LITTER       +=    0.42
  PERLND452   DY  12009  3  1 12   1 3  LITTER       +=    0.21
  PERLND472   DY  12009  3  1 12   1 3  LITTER       +=    0.00
  PERLND492   DY  12009  3  1 12   1 3  LITTER       +=    0.60
  PERLND512   DY  12009  3  1 12   1 3  LITTER       +=    0.52
  PERLND532   DY  12009  3  1 12   1 3  LITTER       +=    0.16
  PERLND552   DY  12009  3  1 12   1 3  LITTER       +=    0.10
  PERLND572   DY  12009  3  1 12   1 3  LITTER       +=    0.60
```

```
  PERLND592    DY  12009  3  1 12    1 3  LITTER         +=     0.23
  PERLND612    DY  12009  3  1 12    1 3  LITTER         +=     0.20
  PERLND632    DY  12009  3  1 12    1 3  LITTER         +=     1.27
  PERLND652    DY  12009  3  1 12    1 3  LITTER         +=     1.29
  PERLND672    DY  12009  3  1 12    1 3  LITTER         +=     1.29

*** DISTRB #2 and #3 = total of 12 applications of N fertilizer separated by 30 days
*** "6" refers to number of applications
*** "DY  30" means apply every 30 days
*** if deferred, shift
*** distrib #1 is January - June and #2 is July - December
*** winter applications are 8.33% of the half-year total
*** spring/summer applications are 25% of the half-year total
*** EDIT by TAS on 07/06/2016, May - August receive all of the N fertilizer
*** kwd  ds  ct tc  ts  def     f1   f2   f3   f4   f5   f6   f7   f8   f9  f10
  <****>< > < > <> < > <--->  <---><---><---><---><---><---><---><---><---><--->
  DISTRB  2   6 DY  30 SHIFT    .00  .00  .00  .00  .50  .50
  DISTRB  3   6 DY  30 SHIFT    .50  .50  .00  .00  .00  .00

*** add N fertilizer to non-litter pasture starting on Jan3
*** Nitrogen Fertilizer Application - 30% Surface and 70% Upper Layer ***
*** and assumed 50% NO3 and 50% NH3
*** TAS EDIT Suface 10% and 90% Upper Layer - 09/12/2016
  UVNAME  NH455   2 SAMAD           0.1 QUAN    UAMAD           0.9 QUAN
  UVNAME  NO355   2 SNO3            0.1 QUAN    UNO3            0.9 QUAN

***Adsorbed NH3 - January - June
  <oper><f><-l> *** <yr><m><d><h><n>dstp  <vari><1><2><3><a><-value--> tc tst nu
  PERLND 22  24DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND 42  44DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND 62  64DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND 82  84DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND102 104DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND122 124DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND142 144DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND162 164DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND182 184DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND202 204DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND222 224DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND242 244DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND262 264DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND282 284DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND302 304DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND322 324DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND342 344DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND362 364DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND382 384DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND402 404DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND422 424DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND442 444DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND462 464DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND482 484DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND502 504DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND522 524DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND542 544DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
  PERLND562 564DY  11992  1  3 12    2 3  NH455          +=     19.75 YR   1 18
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  PERLND582 584DY  11992  1  3 12    2 3  NH455        +=    19.75 YR   1 18
  PERLND602 604DY  11992  1  3 12    2 3  NH455        +=    19.75 YR   1 18
  PERLND622 624DY  11992  1  3 12    2 3  NH455        +=    19.75 YR   1 18
  PERLND642 644DY  11992  1  3 12    2 3  NH455        +=    19.75 YR   1 18
  PERLND662 664DY  11992  1  3 12    2 3  NH455        +=    19.75 YR   1 18
 *** Ads NH3 - July - December
  PERLND 22  24DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND 42  44DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND 62  64DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND 82  84DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND102 104DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND122 124DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND142 144DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND162 164DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND182 184DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND202 204DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND222 224DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND242 244DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND262 264DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND282 284DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND302 304DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND322 324DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND342 344DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND362 364DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND382 384DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND402 404DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND422 424DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND442 444DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND462 464DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND482 484DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND502 504DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND522 524DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND542 544DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND562 564DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND582 584DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND602 604DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND622 624DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND642 644DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18
  PERLND662 664DY  11992  7  3 12    3 3  NH455        +=    19.75 YR   1 18

***NO3 January - June
  PERLND 22  24DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND 42  44DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND 62  64DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND 82  84DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND102 104DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND122 124DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND142 144DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND162 164DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND182 184DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND202 204DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND222 224DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND242 244DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND262 264DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND282 284DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND302 304DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
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```
  PERLND322 324DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND342 344DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND362 364DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND382 384DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND402 404DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND422 424DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND442 444DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND462 464DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND482 484DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND502 504DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND522 524DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND542 544DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND562 564DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND582 584DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND602 604DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND622 624DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND642 644DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
  PERLND662 664DY  11992  1  3 12    2 3  NO355        +=    19.75 YR   1 18
*** NO3 - July - December
  PERLND 22  24DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND 42  44DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND 62  64DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND 82  84DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND102 104DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND122 124DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND142 144DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND162 164DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND182 184DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND202 204DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND222 224DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND242 244DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND262 264DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND282 284DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND302 304DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND322 324DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND342 344DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND362 364DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND382 384DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND402 404DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND422 424DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND442 444DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND462 464DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND482 484DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND502 504DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND522 524DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND542 544DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND562 564DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND582 584DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND602 604DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND622 624DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND642 644DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18
  PERLND662 664DY  11992  7  3 12    3 3  NO355        +=    19.75 YR   1 18


*** reset plant N and P to 0 on Jan 1 every year
  PERLND 22 672     1992  1  1  2     3  SPLTN         =      0.0 YR   1 18
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  PERLND 22 672     1992  1  1  2     3  UPLTN          =      0.0 YR   1 18
  PERLND 22 672     1992  1  1  2     3  LPLTN          =      0.0 YR   1 18
  PERLND 22 672     1992  1  1  2     3  SPLTP          =      0.0 YR   1 18
  PERLND 22 672     1992  1  1  2     3  UPLTP          =      0.0 YR   1 18
  PERLND 22 672     1992  1  1  2     3  LPLTP          =      0.0 YR   1 18

END SPEC-ACTIONS

END RUN
```