EPA Region 5 Records Ctr.
282598

Reference 6

Title: ***Field Log Book for Eagle Zinc Co. Div of T L Diamond***

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2

4/25/05 ARRIVED ONSITE 8:00
SUNNY, ~45°
BOB CASPER, TONY WASILOWSKI, MARK WAGNER, JERRY WILLMAN
DOUG BURGE - ENVIRON

XRF WARM UP AT 8:05

READING #2 Cd SOURCE BLANK
ALL BDL except Fe at 100.
Reading #3 Am SOURCE BLANK
ALL BDL.
READING #4 on Cd SOURCE ON NIST HIGH.
#4 ERROR
#5 REPEAT on Cd SOURCE
Pb 5510, Zn ~~HI~~ 6940, As 558 (all ok)
#6 Am on NIST RCRA
Ag 446 (4 ppm low), Cd 482, Ba 1130 (80 ppm too high) w/ +/- all ok.

LOCATION 1:
XRF 7 30 SEC Pb 918 SURFACE
(FINE BLACK SLAG & COAL FINES) Zn 55,000
As - BDL
8 Am Cd - BDL
Ba - 289

XRF 9 6", FINE BLACK SLAG & COAL FINES
Am BA - 197
Cd - BDL
XRF 10 Cd Pb 633
As 82.8
Zn 26, 100

Bob Casper

AT 10" ENCOUNTER COARSE SLAG

XRF 11 MEDIUM TO COARSE ORANGE-BROWN
12" SLAG, WET
Cd 30 SEC Pb - BDL
As - "
Zn - 4,460
XRF 12 Am 60 SEC Cd - BDL
Ba - 673

18" XRF 13 Am 60 SEC Ba 432
Cd - BDL
14 Cd 30 SEC Pb 583
Zn 10,800
As - BDL

LOCATION 2
SURFACE, (XRF #15) Am - 60 SEC - Ba 195
LT BROWN SAND Cd BDL
XRF #16 Cd 30 SEC Pb 175
As BDL
Zn 18,500
6" - SILTY LOAM, BROWN-BLACK, COAL FINES
XRF #17 AM 60 SEC Ba 272
Cd 132
XRF #18 Cd Pb 624
As BDL
Zn 69600
12" - BLACK SLAG & COAL FINES, NO SOIL
XRF # 19 Am Ba - 325
Cd - BDL
XRF # 20 Cd Pb 189
Zn 47200

AUGER REFUSAL AT 16"

LOCATION 3: SURFACE - BROWN LOAM PILE

XRF 21	Pb	67.5
XRF 22	Ba	331

LOCATION 4: SURFACE BROWN LOAM, SLAG FINES

XRF 23	Pb	1260
	Zn	42 900
XRF 24	Ba	638

6" - BROWN LOAM, BROWN CINDER FINES

XRF #25	Pb	748
	Hg	116
	Zn	82 300
XRF #26	Cd	- BDL
	Ba	- 135

REFUSAL AT 8"

LOCATION 5 SURFACE - BROWNISH GREY VERY FINE SLAG

XRF 27	Pb	6290
	Zn	150,000
XRF 28	Ba	2070

6", SAME MATERIAL

XRF 29	Pb	6970
	Zn	114,000
XRF 30	Ba	2490

12", SAME MATERIAL

XRF 31	Pb	8160
	Zn	141,000
XRF 32	Ba	2190

TOM CRAUSE CAME ONSITE AT 9:50

Bob Casper

LOCATION 6 ORANGE BROWN SLAG FINES

SURFACE XRF #33 Pb 37,300
Zn 31,300
As 1050
XRF 34 Cd BDL
Sb 900

12": COARSE, DARK ORANGE, MOTTLED FINES
XRF 35 Sb 501
XRF 36 Pb 23700
Zn 31800
As 815

LOCATION 7 SURFACE: ORANGE BROWN SLAG FINES, SOME MEDIUM GRAINS
XRF 37 Ba 2950
XRF 38 Pb 11,800
~~6" SAME MATERIAL~~ XRF 39 Zn 103,000
6" SAME MATERIAL (cd) Pb 7220
Zn 92,400

12" SAME MATERIAL
XRF 40 Pb 11,800
Zn 8190
XRF 41 Ba 3120

LOCATION 8 SURFACE - GREY-BROWN SLAG FINE, SOME MEDIUM
XRF 42 Pb 2210
Zn 48,600
Cr 2420
XRF 43 Ba 1370
12" ORANGE-BROWN SLAG FINES
XRF 44 Pb 3,060
Cr 1620
Hg 61.8
Zn 28,400
XRF 45 Ba 1920

Bob Cooper

LOCATION 9 SURFACE - LIGHT GREY FINE SLAG MATERIAL

XRF #46 Cu 11,500
Ni 3910
Zn 741,000

6" BLACK FINE SLAG MATERIAL
XRF 47 Zn 280,000
Cu 6330

XRF 48 BDL

LOCATION 10 SURFACE - ORANGE - BROWN FINE SLAG MATERIAL

XRF 49 Pb 7620
Hg 102
Zn 56,100

XRF 50 Ba 520

12" SAME MATERIAL
XRF 51 Ba 348
XRF 52 Pb 8790
Zn 47900
Cu 4670

LOCATION 11 SURFACE - BROWNISH - GREY SLAG FINES

SURFACE XRF 53 Pb 2,060
Zn 75,100

XRF 54 Ba 147

12" SAME MATERIAL
XRF 55 BDL
XRF 56 Pb 2850
Zn 59,000
Hg 142

Bob Cooper

LOCATION 12

SURFACE - GREY-BROWN FINE CINDER MATERIAL

XRF 57 Pb 2650
Zn 84,900

XRF 58 Ba 827

12" SAME MATERIAL (XRF 59) Pb 701
Zn 21,900

XRF 61 Ba 290

NOTE: HOUSE ~ 300' WEST. READING 60 NOT NOTED.

LOCATION 13 SURFACE - COARSE GREY GRANULAR SLAG

XRF 62 Ba 170

XRF 63 Pb 1010
Zn 376,000
Ni 2,980

12" DARK GREY GRANULAR SLAG

XRF 64 Pb 335
Zn 315,000
Cu 5280

XRF 65 Ba 178

LOCATION 14 SURFACE - BLACK FINE ~~WASTE~~ ASH

XRF 66 Pb 136
Zn 240,000

12" XRF 67 Pb BDL
Zn 256,000

Bob Cooper

8

LOCATION 15 SURFACE - FINE GRAY SLAG, SOME LARGE BROWN-RED CINDERS

XRF 68 Zn 199,000
Ni 10,300
Pb BDL

12" SAME MATERIAL

XRF 69 Zn 205,000
Ni 3,910
Pb BDL

LOCATION 16 SURFACE - GREY-BROWN FINES
TOP OF PILE XRF 70 Pb 4760
Zn 559,00

12", SAME MATERIAL XRF 71 Pb 480
Zn 400,000

LOCATION 17 SURFACE - GREY SLAG MATERIAL; LARGE PIECES

XRF 72 Pb 1240
Zn 357,000

12" FINE GREY MATERIAL
XRF 73 Pb 645
Zn 253,000

LOCATION 18 SURFACE - BROWN-GREY SLAG FINES, SOME LARGE CHUNKS.

XRF 74 Pb 357
Zn 311,000

12" BLACK FINE MATERIAL
XRF 75 Pb 620
Zn 180,000

Bob Cooper

LOCATION 19 SURFACE - FINE GREY - BLACK
SLAG MATERIAL, MIXED WITH LARGER PIECES
XRF #76 Pb 424
Zn 220,000
8" SAME XRF #77 Pb 225
Zn 243,000

LOCATION 20 SURFACE - FINE BLACK SLAG
BY NW BUILDING XRF #78 Pb 249
Zn 145,000
8" - SAME MATERIAL XRF 79 Pb - BDL
Zn - 137,000

LOCATION 21 SURFACE - COARE, IRREGULARLY
SHAPED SLAG MATERIAL; LARGE PIECES
XRF #80 Pb 30.8
Zn 46 200
12" SAME MATERIAL XRF #81 - Pb BDL
Zn 47,400

LOCATION 22 SURFACE - WHITE - GREY COARSE GRAVEL
MIXED WITH FINES
XRF #82 Pb 324
Zn 719,000
8-10" SAME MATERIAL XRF #83 Pb 358
Zn 686,000

X301 (XRF 84) Pb 1740
FINE BLACK CINDER MATERIAL
0 - 2", COLLECTED AT 15:20
PHOTOS S, N, E. SIDE OF BUILDING
SEMI - 4"

Bob Camper

X302 FINE BLACK CINDER MATERIAL
J. WILLMAN, 15:40
PHOTOS N, E
DEPTH 0-2" ; SEMI 4"
XRF 85 Zn 931,000

X303 BRAUNISH GREY FINE SLAG
MATERIAL. COLLECTED AT
LOCATION 5. 0-2"
XRF 87 Pb 5310
J. WILLMAN, 16:00, S, W

4

X304 ORANGE BROWN SLAG FINES
XRF 88 Pb 43,400
0-2" DEPTH ; SEMI 4"
J. WILLMAN, 16:10, E/W

X305 BLACK-BROWN SLAG FINES
XRF 89 Pb 7490
DEPTH 0-2" ; SEMI -4"
J. WILLMAN, 16:30
W, S

X306 GREY SLAG + CINDER MATERIAL
0-½" DEPTH, SEMI -4"
J. WILLMAN 17:20
XRF 90 Pb 9,390
S, W

X307 BROWN GREY SLAG FINE; SOME BRICK-SHARD
INDEX - 0-½
SEMI - 4"
J. WILLMAN, 17:40
XRF 94 Pb 6000
95 Pb 10,300
E, S

Bob Carpe

X308 LIGHT GREY SLAG FINES
J. WILLMAN 18:15
INORG - 0 - ½"
SEMI - 4"
XRF # 96 Pb 27,300
E, W

LEFT SITE AT 18:50
ALL ABOVE SAMPLES SPLIT WITH DOUG BURGE

4/26/05 ARRIVED ONSITE AT 7:00
PARTLY CLOUDY, ~45°
BOB CASPER, MARK WAGNER, JERRY WILLMAN,
TONY WASILEWSKI.
DOUG BURGE - ENVIRON

XRF WARMED UP FOR 15 MIN
XRF 98 NIST BLANK Cd SOURCE
ALL BDL EXCEPT Fe at 136 ppm

XRF 99 NIST BLANK Am SOURCE
ALL BDL

XRF 100 NIST HIGH Cd SOURCE
ALL BDL

XRF 101 NIST RLEA Am SOURCE
Cd + Ag OK; Ba 1110, COPPER TOO HIGH

X309 MEDIUM GREY SLAG FINE WITH METAL SHAVINGS
XRF 104 Pb 10,500
Zn 554,00
J. WILLMAN, 8:10
DEPTH 0 - ½" INORG
4" SEMI
E, N

Bob Casper

X311 MEDIUM GREY SLAG FINES
XRF 105 Pb 19,400
INORG - 0 - ½"
SEMI - 2"-3"
J. WILLMAN 8:30
W, E

X310 / X312 DUPLICATE SAMPLES
FINE MEDIUM GREY SLAG
XRF 106 Pb 13,800
INORG 0 - ½"
SEMI 4"
J. WILLMAN 8:45
W, E

DECONED TROWELS

X313 LIGHT GREY SLAG FINES; SOME WHITE FRAGMENTS
XRF 107 Pb 24,600
INORG - 0 - ½"
SEMI - 3-4" WHITE
LIGHT GREY SLAG FINES, SOME COARSE WHITE SLAG
J. WILLMAN 9:30
S, N

LOCATION SED 1

XRF 108 SURFACE BROWNISH GREY SILT, SOME ORGANIC MATTER
Cd Pb 88.9
Zn 5190
XRF 109 Am Cd - BDL

Bob Carpet

XRF 110 3" CLAY SILT, GREY
~~Am~~ ~~Ag~~ ~~BDL~~ Am - Cd BDL

XRF 111 Cd Pb 96.3
Zn 5590

6" SILTY ~~CLAY~~ GREY CLAY
XRF 112 Cd Pb 102
Zn 4060

XRF 113 ~~Am~~ Cd - BDL
Ba 294

CLAY AT 6"

12" GREY CLAY
X115 Cd Pb 35.8

SED 2 BROWNISH GREY SILT
SURFACE.
XRF 116 Pb 91.5
4420

3" XRF 117 - Pb 61 GREY CLAY SILT
Pb 4550

6" SILTY GREY CLAY
XRF 118 Pb 106
Zn 3060

SED 3
SURFACE - BROWNISH GREY CLAY
XRF 119 Pb 70.3
Zn 4590

3" GREY CLAY SILT
XRF 120 Pb 68.4
Zn 5000

6" SILTY GREY CLAY
XRF 121 Pb 106
Zn 6740

Bob Carpe

SED 4 SURFACE -
XRF 122 Pb 72.7
3" XRF 123 Pb 95.7
Zn 520

6" XRF 124 Pb 102
Zn 550

X210 COLLECTED AT MOUTH OF LAKE HILLSBORO
INORG 3-5" BROWNISH GREY SILTY CLAY
WITH SOME ORGANIC MATTER.
J. WILLMAN 10:30
SEM1 3-5"
E, N, ~~E~~

X113 LUTHER MOLER, #8 MOLER LANE
XRF 125 Pb 461 SURFACE
Zn 42,900
XRF 126 Pb 474 3"
Zn 56,000
XRF 127 Pb 314 6"
Zn 114,000
BLACK CINDERS & SOIL
1-3" DEPTH
J. WILLMAN 12:50
W, E

X209 SURFACE BROWN SANDY CLAY, SOME
SILT & ORGANIC MATTER
LOCATION 1 XRF 128 Pb 80.5
Zn 3,850
3" SAME MATERIAL; MORE CLAY
& LESS ORGANIC MATTER
XRF 129 Pb 97.3
4340

Bob Carpo

6" BROWNISH-GREY SILTY CLAY; SOME SAND & ORGANIC MATTER
XRF 130 Pb 61.2
Zn 1840

LOCATION 2
SURFACE BROWN SILTY CLAY; SOME SAND & ORGANIC MATERIAL
XRF 131 Pb 60
Zn 7000

3" SAME MATERIAL, MORE SAND & ORGANIC MATTER
XRF 132 Pb 70
Zn 6200

6" SILTY CLAY; A LITTLE SAND
XRF 133 Pb 94
Zn 3700

INRC SAMPLED 0-3", FROM LOCATION 1
SEMI-4", J. WILLMAN 13:40, S.M.

X208 LOCATION 1: BROWN SILT
SURFACE 134 Pb 101
Zn 2160

3" SAND, SOME CLAY, BROWN
XRF 135 Pb 70.6
Zn 1660

6" SAME MATERIAL AS 3"
XRF 136 Pb 62.4
Zn 2180

LOCATION 2
SURFACE MOTTLED BROWN-ORANGE SILTY CLAY
XRF 137 Pb 48.3
Zn 1330

3" BROWN CLAY XRF 138 Pb 42.2
Zn 1490

6" BROWN-GREY CLAY XRF 139 Pb 42.1
Zn 1100

Bob Cooper

X208 SAMPLED AT LOCATION 1
INORG 0" - 2"
SEMI 4"
J. WILLMAN, 14:30
S, N

X207 XRF 142-144 Pb 130-140
SURFACE BROWN SILT, LOW
SAND & CLAY
3" SAME
6" SAME
INORG 3-4"
ORG 4"
J. WILLMAN, 15:00
W, S

X206 1) SURFACE-BROWN SILTY CLAY
XRF 147 Pb 71.2
Zn 5700
3" BROWN SILTY CLAY
XRF 148 Pb 123
Zn 9780
6" BROWN CLAY, SOME
SILT, FEW MEDIUM
SIZE ROCKS
XRF 149 Pb 112
Zn 9690
12" BROWN - GREY CLAY,
LOW SILT
XRF 150 Pb 90.1
Zn 9820
COLLECTED 3-5

INORG - 3-5"
SEMI - 3-5"
Bob Cooper

J. WILLMAN 17:00
S.E

X205 · LT. BROWN SILT, SOME SAND

XRF 151 Pb 39
Zn 1880

3" LT BROWN SILT
XRF 152 Zn 714
Pb BDL

6" LT BROWN SILT
XRF 153 Pb 42.6
Zn 1270

-NOT TAKEN AT THIS LOCATION DUE TO TOPOGRAPHIC FEATURES

X205 COLLECTED 75' WEST OF INDUSTRIAL PARK RD. ON SITE

LOCATION 1 SURFACE: BROWN SILTY CLAY, HIGH % OF SAND

XRF 154 Pb 400
Zn 5470

3" BROWNISH GREY SILTY CLAY, ROOTS
X=155 Pb 116
Zn 895

6" BROWNISH GREY SILTY CLAY, ROOTS
XRF 156 Pb 41.5
Zn 1180
Cr 428

LOCATION 2 BROWN SILTY CLAY
COLLECTED 0 - ½" FOR INORG
XRF 160 (8 SEC) Pb 492
Zn 9940

SEMI - BROWN-GREY MOTTLED SILTY CLAY; SOME ROOTS
2-4"

Bob Carper

18

J. WILLMAN, 17:40
S, E

X203/X204 DUPLICATES

BROWN SILTY CLAY
+PF 163 Pb 166
Zn 18K
INORG 0-2"
SEM, 1-3"

J. WILLMAN, 1840
W, E

LEFT SITE AT 19:30

Bob Casper

4/27/05

ARRIVED ONSITE AT 7:30. CLOUDY, 45°
BOB CASPER, JERRY WILLMAN, MARK WAGNER, KEN CORNILL
DOUG BURGE - ENVIRON

XRF CALIBRATION:
XRF 165 BLANK Cd SOURCE - Fe 122 ppm, ALL OTHERS BELOW DL.
XRF 166 BLANK Am SOURCE - ALL BDL
XRF 167 NIST HIGH Cd - OK
XRF 168 NIST RCRA Am SOURCE - Ag 576 ppm (HIGH)
Cd OK, Ba HIGH 1120 ppm

X202 XRF 171 Pb 421
SURFACE, GREY Zn 33,000
SILTY CLAY
XRF 172 3", GREY SILTY CLAY
Pb 398
Zn 28 000
Cu 523
6" LIGHT TAN SILTY CLAY
XRF 173 Pb 293
Zn 16,000
Ni 1100
SAMPLED 0 - 2", SEMI 4"
J. WILLMAN; 8:50
E, W

X111 XRF 175 Pb 108
Zn 1480
0 - 1" BLACK ~~LOAM~~, SILTY LOAM

J. WILLMAN, 9:30
S, E
COLLECTED AT BACKYARD NEAR BROOK.
Bob Casper

X112 CORNER OF E. WATER & GRANT ST
(SE SIDE)
XRF 177 Pb 190 SURFACE
Zn 4820 6"
XRF 178 Pb 106 6"
Zn 5570
REDDISH - BROWN CINDER & SLAG
MATERIAL.
0-2"
J. WILLMAN, 9:50
W, E

X110 COLLECTED AT SE CORNER OF SEWARD & GRANT
XRF 182 Pb 206
Zn 8820
GRAVEL, BLACK FILL MATERIAL,
CINDERS, METAL PIECES
J. WILLMAN, 10:10
COLLECTED IN DITCH, 0-2"
E, W

X107 COLLECTED FROM FIELD, EAST
OF E. BRADLEY ST & BRADLEYRD

XRF 183 Pb 143
Zn 1,900
DEPTH 0-1" SLAG MATERIAL
OVER NATIVE CLAY
J. WILLMAN, 10:50
E, W

Bob Cooper

X104 104 INDEPENDENCE DR
XRF 186 Pb 85
Zn 13.9K
BROWN-BLACK CLAY
0-1"

J. WILLMAN, 11:40
S, N

X106 W. OF UNITS 39 ~~24~~ OF
HOUSING PROJECT,
XRF 191 Pb <26
Zn 491
BROWN-BLACK CLAY LOAM
0-2"

J. WILLMAN 12:00
N, E

X108 815 BRAILLY, FRONT YARD
LT. BROWN CLAY LOAM
XRF 194 Pb BDL <46ppm
0-2" Zn 312

J. WILLMAN, 12:30
E, N

Bob Cooper

X114 600 CITY LAKE RD
XRF 195 SURFACE - LT BROWN CLAY LOAM
Pb 157
Zn 14.5K
3" 196 Zn 7770
Pb 163
LT. BROWN CLAY ~~LOAM~~
6" LT. BROWN CLAY LOAM
197 Pb 156
Zn 4670
Ni 2170
COLLECTED 0 - 3"
J. WILLMAN, 12:50
N, E

X115/X105 NW CORNER OF ATHLETIC FIELD
CINDERS, SLAG MATERIAL, BLACK FINES
XRF 200 Pb 47K SURFACE
Zn 21.6K
XRF 201 Pb 302 3"
Zn 24.0K
DUPLICATE SAMPLES
COLLECTED ½ - 3"
SURFACE HARD AT > 3", COLLECTED
NEAR GOLF COURSE

J. WILLMAN, 14:10
N, E

Bob Casper

X116 624 LAKESIDE KNOLLS
SURFACE X202 Pb BDL
Zn 279
BROWN-GREY SILTY CLAY
3" SAME SOIL
XRF 203 Pb - BDL < 42.0
Zn - 350
COLLECTED IN BACK YARD 0-3"

J. WILLMAN 14:50
E, W
SEND LAB RESULTS

X201 106 WOOD LAKE LN
XRF 204 Pb BDL < 15.0
(SURFACE) Zn 313
6" XRF 205 Pb BDL
Zn 240
BROWNISH GREY SILTY CLAY
COLLECTED 2-4" INORGA SEMI
ORGANIC MATTER
AT EDGE OF LAKE
J. WILLMAN 15:20
E, S

Bob Cooper

X118 106 WOOD LAKE LK
SURFACE DARK BROWN SILTY CLAY
XRF 206 Pb BDL
Zn 450
As 46
3" 207 Pb - BDL
Zn 334
1-3"

J. WILLMAN 15:50
E, W

X109
KEVIN LEITMEISER 375 INDUSTRIAL PART DRIVE.
XRF 211 SURFACE Pb ~~58~~ 35
BROWN SILTY CLAY Zn ~~140~~ 366
3" XRF 212 Pb 34
Zn 940
6" XRF 213 Pb 37
Zn 630
COLLECTED 0-2"

JERRY WILLMAN, 17:20
N, E

Bob Cooper

X125 1910 SCHRAM AVE

SURFACE XRF 215 - Pb 130
Zn 2090
3" XRF 216 Pb 131
Zn 1760
BLACK LOAM WITH MEDIUM SIZED GRAVEL
SAMPLED 0-3"

JERRY WILLMAN, 17:40
N,S

X124 1812 FREY AVE

SURFACE XRF 217 Pb 737
Zn 6920
3" XRF 218 Pb 1100
Zn 9750
Cu 500
6" XRF 219 Pb 2360
Zn 14000
Cu 700
FINE BLACK SLAG MATERIAL
3-6"

J. WILLMAN, 1800
N,E
ALONG ALLEY

Bob Casper

X123 1700 KLAR
SURFACE XRF 220 Pb 238, Zn 1010
3" XRF 221 Pb 556 Zn 2430
6" XRF 222 Zn 930,

BLACK SILTY LOAM WITH CINDER
0-3"

J. WILLMAN, 18:50
S, E

X122 2210 FREY AVE
XRF 229 3" Pb 230, Zn 929
BROWN SILTY LOAM, ROOTS
2-3"

J. WILLMAN, 19:20
S, E

LEFT SITE AT 19:55

Bob Cooper

4/28/05

ARRIVED ONSITE AT 7:05. CLOUDY, 45°
BOB CASPER, JERRY WILLMAN, KEN CORTILL
DOUG BURGE - ENVIRON

XRF WARMED UP FOR 15 MIN
XRF 231 cd BLANK ALL BDL EXCEPT FOR Fe
XRF 232 Am BLANK ALL BDL EXCEPT FOR
Sb AT 51.6 ppm
XRF 234 Am RCRA Ag - OK
Cd - 448
Ba - OK
X235 NIST HIGH - ALL OK

X120/X121 400 23RD ST, SCHRAM CITY
SURFACE - LT. BROWN SILTY CLAY
XRF 236 Pb BDL
Zn 118
3" DARK BROWN CLAY SILT
Pb 40.7
Zn 427
Cr 718
SAMPLED 0-1"

J. WILLMAN, 8:40
E, N

Bob Casper

X126 2203 KLAR AVE, SCHRAM CITY
SURFACE - DARK BROWN SILTY CLAY
XRF 238 Pb 42-4
Zn 414
3" XRF 239 Pb 38-4
Zn 483

SAMPLED 0-1"

JERRY WILLMAN, 9:00
E, N

X119 4of I EXTENSION
BLACK SILTY LOAM
0" XRF 240 Pb 35.6
Zn 6140
3" XRF 241 Pb 71.9
Zn 3380
6" XRF 242 Pb 50.8
Zn 1320
COLLECTED 0-2"

J. WILLMAN, 9:40
S, E

LEFT SITE AT 11:15

Bob Carpe

1-31-06

Eagle Zinc

- Met Allen Plocher of the Illinois Natural History Survey to determine ~~[illegible]~~ extent of wetlands south & west of Lake Hillsboro in the vicinity of Smith road and the unnamed tributary leading from the site.

- Allen Plocher - Wetland Group Coordinator
- Scott Wiesbrook - Soil Scientist

- It was noted that apparently since the NWI map indicated the area directly near the mouth of the Lake was forested. The forested area has since been killed off due to flooding ~~[illegible]~~ which extended the wetlands further back

- Water was noted in unnamed tributary

- Flood plain forest and wet meadow was the type of wetlands documented

- Ground and surface elevations were observed and overland flow pathway was documented to flow from X 313 (part of shallow slag source) north east towards the unnamed tributary

- From X 30 9 to Northeast overland flow would head toward unnamed tributary based upon topography observed

Tony Wanlenk IEPA