```
**
**   ISCSTDFT QUENCH.INP QUENCH.OUT
**
**
CO STARTING
  TITLEONE CLAIRTON QUENCH WATER COMPARISON
  MODELOPT  DFAULT RURAL  CONC
  AVERTIME  1 24 PERIOD
  POLLUTID  TDS
  TERRHGTS  ELEV
  RUNORNOT  RUN
  EVENTFIL  EVENTEXP.INP
  ERRORFIL  ERRORS.OUT
CO FINISHED

SO STARTING
SO ELEVUNIT  FEET
  LOCATION  STACK1  POINT  595930.0   4461510.0   757.9
** Point Source      QS    HS    TS    VS   DS
** Parameters:      ----  ----  ----  ----  ---
  SRCPARAM  STACK1  0.0815   30.5  373.   3.0  3.2
  LOCATION  STACK2  POINT  595970.0   4461550.0   757.9
** Point Source      QS    HS    TS    VS   DS
** Parameters:      ----  ----  ----  ----  ---
  SRCPARAM  STACK2  0.0807   30.5  373.   3.0  5.2
  LOCATION  STACK3  POINT  595440.0   4461870.0   757.9
** Point Source      QS    HS    TS    VS   DS
** Parameters:      ----  ----  ----  ----  ---
  SRCPARAM  STACK3  0.0578   30.5  373.   3.0  5.2
  LOCATION  STACK4  POINT  595400.0   4461830.0   757.9
** Point Source      QS    HS    TS    VS   DS
** Parameters:      ----  ----  ----  ----  ---
  SRCPARAM  STACK4  0.0978   37.2  373.   3.0  8.8
  LOCATION  STACK5  POINT  595430.0   4462160.0   757.9
** Point Source      QS    HS    TS    VS   DS
** Parameters:      ----  ----  ----  ----  ---
  SRCPARAM  STACK5  0.0915   41.1  373.   3.0  9.6
  SRCGROUP  ALL
SO FINISHED
```

*** ISCSTDFT VERSION 94340 *** *** CLAIRTON QUENCH WATER COMPARISON *** 05/01/95
*** *** 09:49:45

*** MODELING OPTIONS USED: CONC RURAL ELEV DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

. . . . . **Intermediate Terrain Processing is Selected

**Model Is Setup For Calculation of Average CONCentration Values.

-- SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION. DDPLETE = F
**Model Uses NO WET DEPLETION. WDPLETE = F
**NO WET SCAVENGING Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

**Model Uses RURAL Dispersion.

**Model Uses Regulatory DEFAULT Options:
1. Final Plume Rise.
2. Stack-tip Downwash.
3. Buoyancy-induced Dispersion.
4. Use Calms Processing Routine.
5. Not Use Missing Data Processing Routine.
6. Default Wind Profile Exponents.
7. Default Vertical Potential Temperature Gradients.
8. "Upper Bound" Values for Supersquat Buildings.
9. No Exponential Decay for RURAL Mode

**Model Accepts Receptors on ELEV Terrain.

**Model Assumes No FLAGPOLE Receptor Heights.

*** ISCSTDFT VERSION 94340 *** *** CLAIRTON QUENCH WATER COMPARISON ***

*** MODELING OPTIONS USED: CONC RURAL ELEV DFAULT

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

** CONC OF TDS IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.87928	AT (596500.00, 4462000.00, 335.30, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.86717	AT (596250.00, 4462000.00, 335.30, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.72911	AT (596000.00, 4462500.00, 354.80, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.69051	AT (596500.00, 4462250.00, 335.30, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.60190	AT (596250.00, 4462500.00, 354.80, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.60090	AT (596500.00, 4461750.00, 335.30, 0.00)	DC	

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF TDS IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	NETWORK OF TYPE
ALL	HIGH 1ST HIGH VALUE IS	5.98006	ON 91020424:	AT (596250.00, 4462000.00, 335.30, 0.00)	DC
	HIGH 2ND HIGH VALUE IS	5.95440	ON 91110124:	AT (596250.00, 4462000.00, 335.30, 0.00)	DC

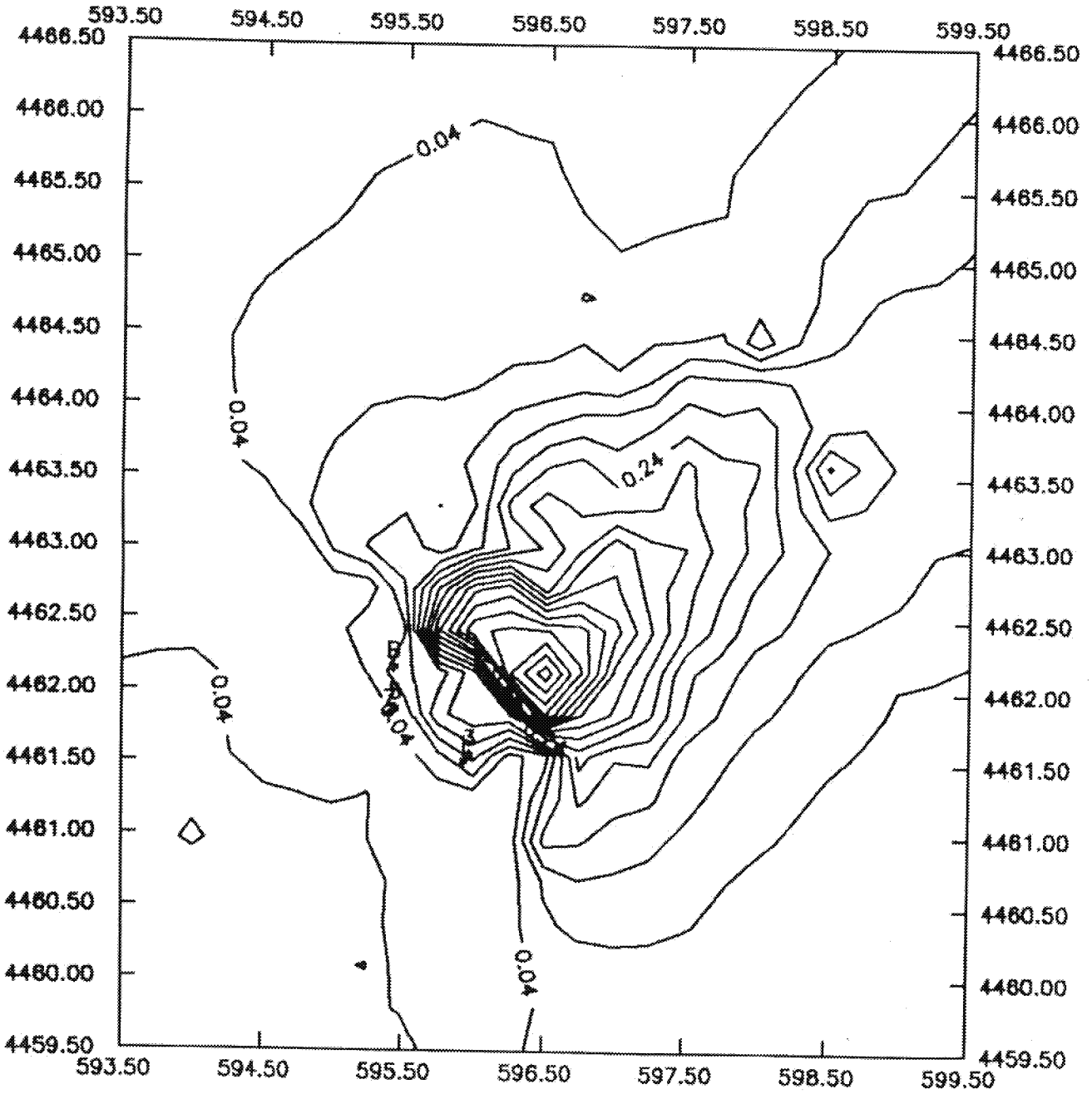
*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF TDS IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	NETWORK OF
ALL	HIGH 1ST HIGH VALUE IS	17.44476	ON 91062122:	AT (596250.00, 4462000.00, 335.30, 0.00)	DC
	HIGH 2ND HIGH VALUE IS	17.44476	ON 91052623:	AT (596250.00, 4462000.00, 335.30, 0.00)	DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

QUENCHWATER – ANNUAL (ug/m3)



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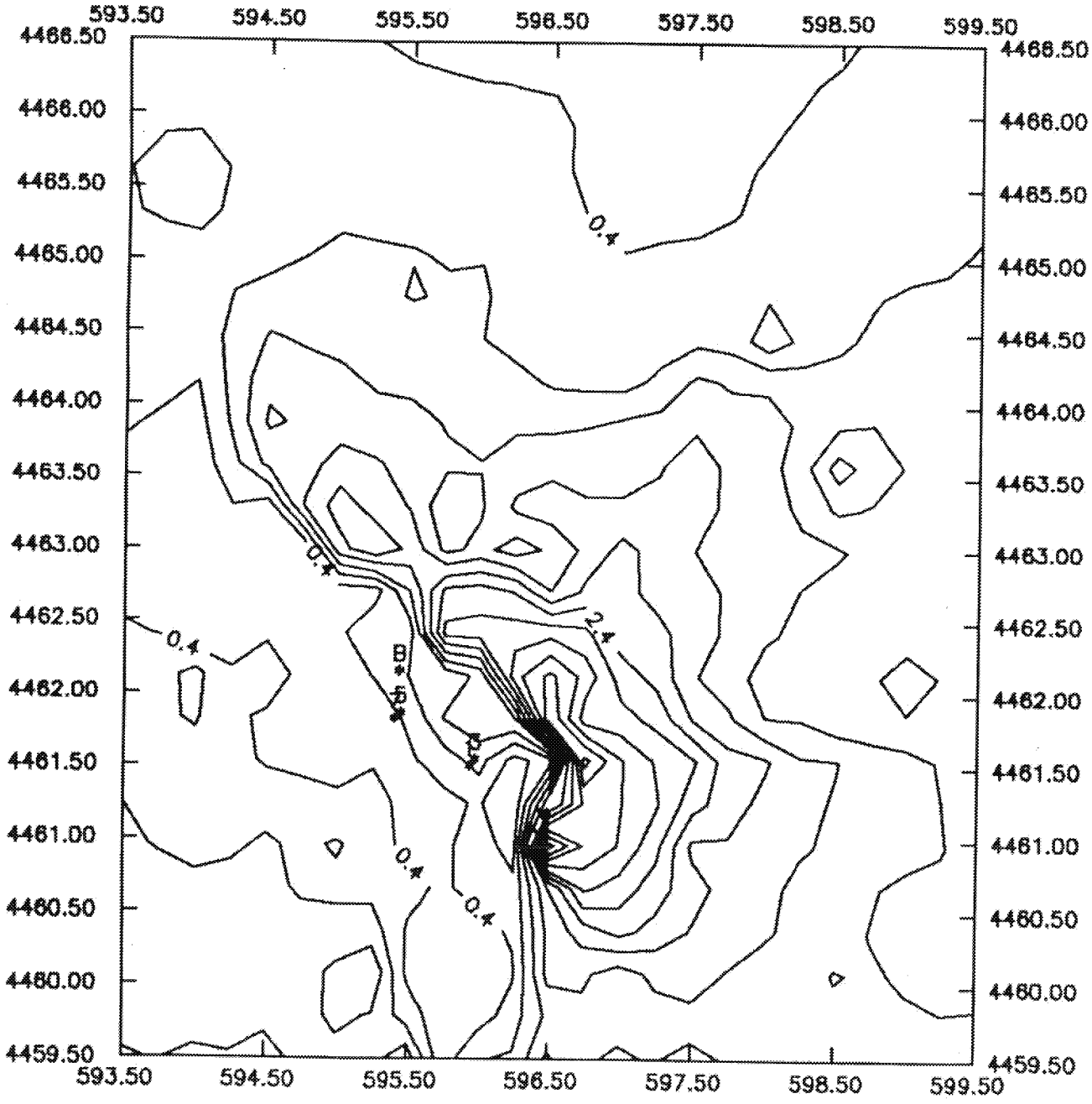
QUENCHWATER – 24–HR (ug/m3)



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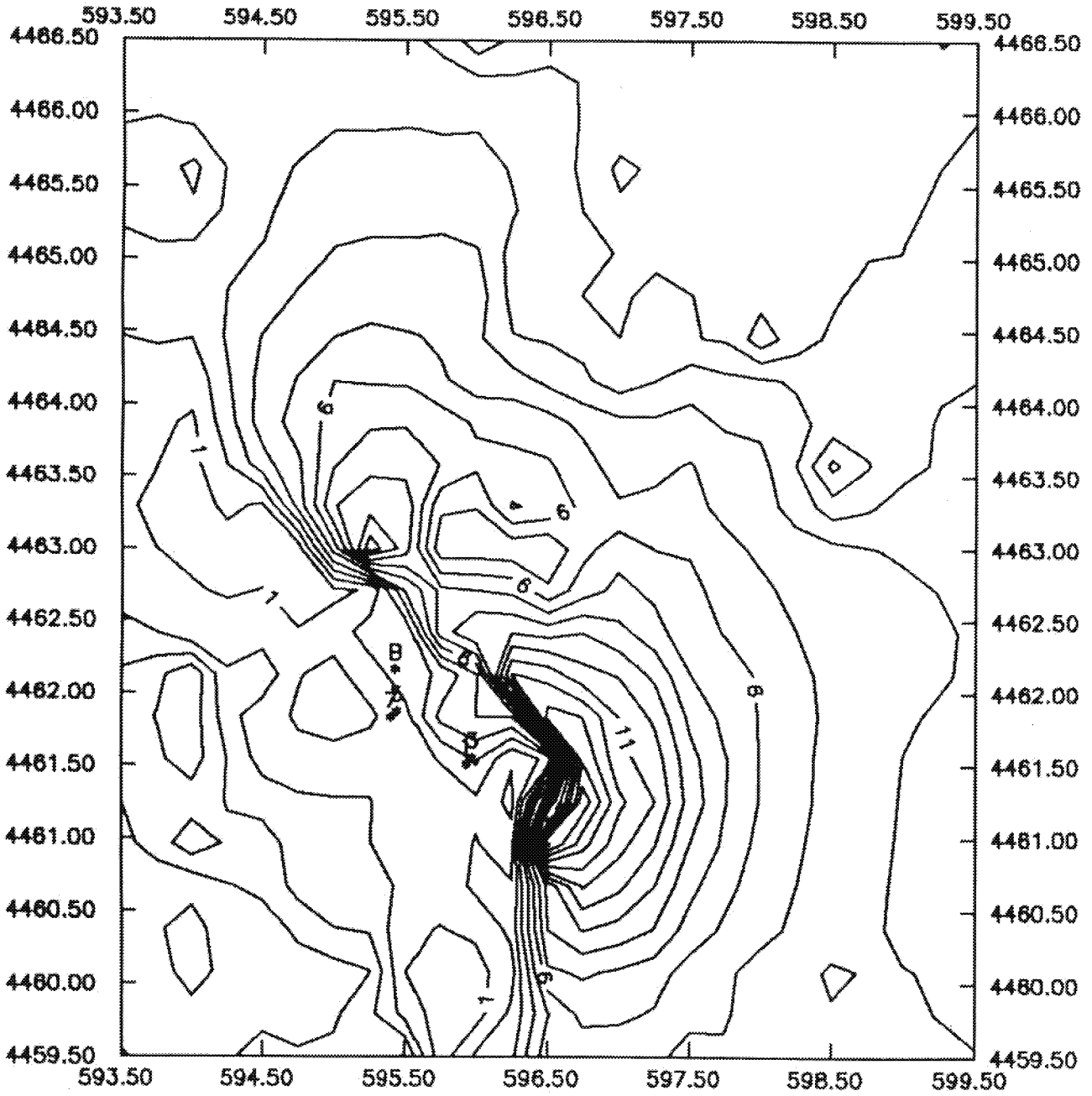
QUENCHWATER — 1-HR (ug/m3)



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