

USER'S GUIDE to SRL Western Data Reports

ABSTRACT

This document provides a detailed description of Data Reports of the western quadrangles that have been prepared by Savannah River Laboratory (SRL) personnel for the National Uranium Resource Evaluation (NURE) program of the US Department of Energy (DOE).

The Guide includes discussions of the following topics:

- (1) sample collection and field measurements;
- (2) format, abbreviations, and codes used in data tables;
- (3) graphical presentations and maps;
- (4) quality assurance programs for sample collection, and analysis.

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## INTRODUCTION

This document provides a detailed description of Data Reports of the western quadrangles that have been prepared by Savannah River Laboratory (SRL) personnel for the National Uranium Resource Evaluation (NURE) Program. The format described here was established for Data Reports in mid-1978. The descriptions of tables and figures are general enough to be applied to future Data Reports. However, some minor changes in format may be made as the program progresses.

SRL participation in the NURE Program is summarized in NURE-SRL progress reports (SRL-138).

## SAMPLE COLLECTION AND FIELD MEASUREMENTS

Sampling personnel were trained by SRL staff members according to procedures in published SRL documents. In the western quadrangles, the principal document was the Training Manual for Water and Sediment Geochemical Reconnaissance (Price and Jones, 1978).

A minimum of five sediment sub-samples was composited from each stream site. A minimum of ten sediment sub-samples was collected for each soil site. An approximately 400-g sample of sediment passing a 420-micrometer screen (U.S. Std. 40 mesh) was collected at each site. In some areas a second fraction passing through a 1000-micrometer screen (U.S. Std. 18 mesh) but not passing through a 420-micrometer screen was also collected.

Dissolved ions in individual water samples were concentrated in the field on portions of ion exchange resin (DJBK-77(77)). The resin was subsequently analyzed at SRL. Special procedures not included in the training manual were employed in certain areas; for example, special ground water samples were collected for the analysis of helium.

A figure in the paper text illustrates the field form completed at each sample collection site. Entries are self-explanatory. The manual (Price and Jones, 1978) describes in detail the equipment and techniques (including criteria for site selection) for collecting samples and for making field measurements.

Normal density for ground water and stream sampling in rural areas varies from 13 to 25 square kilometers (5 to 10 sq mi) per site. Surface sample density may be higher where ground water sampling is sparse. Supplemental samples are taken at sites of high radioactivity, or other locations judged by the sampler to be of relatively high uranium potential.

Sampling site locations are marked precisely on compilation maps. The maps are returned to SRL for determination of geographic coordinates. An electronic digitizer (SRL-130) is used to measure and verify latitude and longitude for each site, and these data are then entered into the SRL-NAPE data base.

A plate showing ground water sampling sites and SRL identification numbers is included in each report. On this plate, well and spring sites are distinguished by the use of a plus (+) for wells and a circle (o) for springs. Printing codes for the ground water plate are shown in figure 2 of this User's Guide. Another plate, showing the surface sampling sites and SRL identification numbers, is also included in each report. Printing codes for the surface sample plate are shown in figure 1 of this User's Guide.

\*\*\*\*\* figure 1 \*\*\*\*\*

```
Print Modes
for
Surface Sites

NCAS + 023
+ NCAS 023
NCAS 023 +
NCAS 023
+
+
NCAS 023
NCAS
+
023

+(site location)
```

Figure 1. Print modes for Surface Sampling Site Identifiers.

\*\*\*\* figure 2 \*\*\*\*

Print Modes for WELLS	Print Modes for SPRINGS
NCAS + 538	NCAS 0 538
+ NCAS 538	0 NCAS 538
NCAS 538	NCAS 538
+	0
+ NCAS 538	0
NCAS	NCAS 538
+ 538	NCAS
	0
	538
+(site location)	0(site location)

figure 2. Print modes for Ground Water Sampling Site Identifiers.



## DATA PRESENTATION

In each SRL Data Report, sampling point coordinates, field data, and the most important field measurements and analytical data are presented together. These measurements are also presented in areal distribution figures. Other field and analytical data are given in tables only. Each element also has a statistical summary figure.

Detailed cumulative frequency plots are included in the margins of the 1x2 degree map figures. All samples are included in the cumulative frequency plots. These cumulative frequency plots also show the relationship between cumulative frequency and standard deviation.

The following section presents a brief explanation of the columnar entries for tables and descriptions of histograms, cumulative frequency plots and areal symbol plots.

1. Columnar Entries for Ground Water Data.  
Table A-1 on separate microfiche.

### SRL Site Designator

Each SRL site designator consists of four characters and three digits. The first two positions denote the 1x2 degree National Topographic Map Series (NTMS) quadrangle containing the sample. Positions three and four contain map designators; these represent 15-minute quadrangles and are defined in figure 3 of this guide. Samples are numbered sequentially within each map unit (positions five through seven. Numbers begin with 50, in each map unit for ground water and are generally consecutive. Columns 3 and 9 identify the type of sample used for irradiation; water samples are irradiated as resins, symbolized by an R in column 9.

\*\*\*\*\* figure 3 \*\*\*\*\*

AA	AB	AC	AD	AE	AF	AG	AH
BA	BB	BC	BD	BE	BF	BG	BH
CA	CB	CC	CD	CE	CF	CG	CH
DA	DB	DC	DD	DE	DF	DG	DH

figure 3. Map Unit Codes for the 15 Minute Quadrangles  
Superposed on the 1X2 Degree NTMS Sheet

**DOE Identification Number**

Each sample is assigned a DOE ID. The number consists of 26 digits as follows:

- 1-2 State (See table 1 of this User's Guide)
- 4-10 Latitude of the site
- 12-19 Longitude of the site
- 21 Laboratory code (SRL = 4)
- 23-24 Sample type (See table 2 of this User's Guide)
- 26-28 Replicate code. Generally, only original samples (000) are reported.

**pH**

Usually pH ranges between 4.0 and 9.5. Values far outside this range imply instrument malfunction or pollution. Missing data are indicated by an "M".

**COND**

Conductivity, measured in micromhos/cm.

**ALOOD**

Alkalinity as milliequivalents of sulfuric acid required per liter of sample (meq/L) to titrate to a pH of approximately 4.5 (end-point for bromocresol-green/methyl-red indicator solution).

**DEPTH**

Depth of the well in feet, if known. This number is generally provided by the householder. An estimate of the confidence in this number is given in Table A-2. "U" indicates that the well depth is not known. Springs are coded as having a depth of 0 feet.

\*\*\*\* table 1 \*\*\*\*

STATE	CODE	STATE	CODE
Alabama.....	01	Nevada.....	32
Arizona.....	04	New Hampshire.....	33
Arkansas.....	05	New Jersey.....	34
California.....	06	New York.....	36
Connecticut.....	09	North Carolina.....	37
Delaware.....	10	Ohio.....	38
District of Columbia..	11	Oklahoma.....	40
Florida.....	12	Oregon.....	41
Georgia.....	13	Pennsylvania.....	42
Idaho.....	16	Rhode Island.....	44
Illinois.....	17	South Carolina.....	45
Indiana.....	18	Tennessee.....	46
Kentucky.....	21	Texas.....	48
Louisiana.....	22	Utah.....	49
Maine.....	23	Vermont.....	50
Maryland.....	24	Virginia.....	51
Massachusetts.....	25	Washington.....	53
Michigan.....	26	West Virginia.....	54
Mississippi.....	28		
Missouri.....	29		

table 1. State Codes used in DOE Identification Number.

<u>NUMBER</u>	<u>SAMPLE TYPE</u>
50.....	Stream sediment from flowing stream, sieved <149 micrometers and dried <=110 degrees C.
51.....	Stream water, filtered through <=0.8 micrometer filter at the site.
52.....	Well water, filtered through <=0.8 micrometer filter at the site.
53.....	Spring water, filtered through <=0.8 micrometer filter at the site.
54.....	Lake water, filtered through <=0.8 micrometer filter at the site.
55.....	Lake sediment.
56.....	Glacial till.
57.....	Peat.
58.....	Soil, sieved > 420 micrometers and < 1000 micrometers.
59.....	Soil, sieved < 149 micrometers.
60.....	Stream sediment from dry stream, sieved > 420 micrometers and < 1000 micrometers, and dried <= 110 degrees C.
61.....	Stream sediment from dry stream, sieved < 149 micrometers and dried <= 110 degrees C.
62.....	Talus.
63.....	Volcanic rock.
64.....	Playa sediment.
65.....	Hot springs, sinter.
66-69.....	Spore numbers(*).

\*: to be noted in individual reports as necessary.

table 2. Type Codes used in DOE Identification Number. The 20-digit DOE ID for NURE samples contains two digits denoting the sample type.

U

Uranium in ground water is determined by delayed neutron counting after concentrating the uranium on ion exchange resin. U is reported in parts per billion (PPB).

Values have been rounded to appropriate significant figures. Values for uranium are reported for all samples analyzed; however, analyses <0.040 ppb exhibit a high coefficient of variation. Missing data are indicated by "M". Where all analytical data for a sample are missing, samples will generally be analyzed and reported in a supplementary report.

U/COND

Uranium concentration in ppb multiplied by 1000 and divided by conductivity is listed in this column. This value gives an approximation of the ratio of uranium to total dissolved solids.

HELIUM

Helium is determined for selected quadrangles using a specially developed mass spectrometric procedure (SRL-138.36). Where available, helium values are reported in standard cubic centimeters of helium per 1000 liters of air (cc He/1000L, i.e., ppm by volume). The measurement is made on a 2 cc air-gap above a 300 cc water sample. This method introduces an almost unvarying 5.2 ppm helium background from air; thus, all samples are well above detection limit.

Other Key Elemental Analyses

Other elements analyzed were determined by neutron activation analysis (unless otherwise noted) and are listed alphabetically. Concentrations are reported in ppb. Values below detection limit are indicated by a minus (-). For example, -3 means that the sample contains less than 3 ppb of that element. If the background is so high that an accurate estimate of the minimum detection limit is not available, a period (.) is used to indicate not only that the element was not detected, but also that the detection limit is unusually high for that sample. Missing data are indicated by an "M". Where all analytical data for a sample are missing, the sample will generally be analyzed and reported in a supplementary report.

11. Columnar Entries for Supplementary Ground Water Data, table A-2 on separate microfiche.

SRL Site Designator

same as in table A-1.

Supplementary Elemental Analyses

Same format as table A-1.

**SAMPDATE**

The date of sampling (month/day/year). For example, 7/15/77 is July 15, 1977.

**TEAM**

This number identifies the sampling personnel and is used by SRL for quality assurance monitoring.

**ROCKTYPE**

This code identifies the predominant rock type present in the immediate vicinity of the sample site. The types listed are:

1 Other (explained on back)	6 Clastic-coarse
2 Volcanic - Felsic	7 Sandstone
3 Volcanic - Mafic	8 Shale
4 Plutonic - Felsic	9 Carbonate
5 Metamorphic	0 Unconsolidated valley fill

**CONTAMN**

The activities/contaminants columns indicate those nearby activities which may influence the analytical results. They are very important entries, chosen from the given list. The most significant activity and/or source of contamination is listed under CONTAMN. Other activities, if considered important, are listed under CONTAMNS, CONTAMNE, and CONTAMNI, in descending order of importance.

CONTAMNI	1 Other (explained on back)	6 Garbage
CONTAMNE	2 None	7 Farming
CONTAMNS	3 Chemical	8 Grazing
CONTAMN	4 Smelting	9 Oil field
	5 Mining	

**FORMATION**

This code indicates the geologic formation surrounding the sampling site. The first letter and the next three consonants in the formation name are entered. If the formation name lacks consonants, the first four letters are used. In the same way, the age is entered if the name of the formation is unknown. For example, a rock of Cambrian age is entered as "CMBR". If neither the formation or the age is known, "UNKN" is entered.

**MELLODOR**

Odors in well water are recorded. The entries in this column and their meanings are:

- 1 Other (explained on back of field form)
- 2 None
- 3 H<sub>2</sub>S (hydrogen sulfide)
- 4 Oil

**MATRTEMP**

The water temperature at the time of sampling is recorded in this column. The water temperature is recorded in degrees Celsius to the nearest whole degree.

**DPTHCONF**

Confidence in the values of well depths is listed in this column. The possible entries are:

- 1 Certain
- 2 Probable
- 3 Possible
- 4 Educated Guess
- 5 Unknown

Any site with "U" listed in DPTH should have "5" listed for DPTHCONF.

**SHPPOINT**

The positions at which samples are taken are listed in this column. The positions listed are relative positions in plumbing systems. The entries and their meanings are:

- 1 Other (explained on back of field form)
- 2 Immediately after storage tank
- 3 From pipe before storage tank
- 4 Direct from pump
- 5 Direct from well or spring
- 6 From municipal system



#### WELCLASS

Sampled wells are classified by use. The classes of wells recognized here are:

- |                             |                           |
|-----------------------------|---------------------------|
| 1 Other (explained on back) | 4 Livestock               |
| 2 Domestic                  | 5 Irrigation              |
| 3 Municipal                 | 6 Industrial - Commercial |

#### SCINT

A gamma-ray scintillometer reading in counts per second is recorded at the sampling site.

III. Columnar Entries for Sediment Data.  
Table B-1 on separate microfiche.

#### SRL Site Designator

Each SRL site designator consists of four characters and three digits. The first two positions denote the 1X2 degree NTMS quadrangle in which the sample was collected. Positions 3 and 4 contain the map designators, which represent 15-minute quadrangles. These are defined in figure 3 of this User's Guide. Positions 5, 6, and 7 contain the sample number, which is unique within that 15-minute quadrangle. Numbers begin with 001 in each map unit and are generally consecutive. Columns 8 and 9 represent the sample analyzed. In most reports, the S1 fraction (finer than 149 micrometers (U.S. Std. 100 mesh)) was analyzed. S0 and S2 mean that coarser (149 micrometers to 1000 micrometers) or finer (<75 micrometers) fractions, respectively, were analyzed. Specific fractions will be identified in individual reports as necessary.

#### DOE Identification Number

Each sample is assigned a 28-digit DOE ID as described for table A-1.

FORMATION, ODOR, pH, COND, UR/CH, ALKAL, MEQ/L

Same format as table A-1.

#### Key Elemental Analyses

The first three elements are listed in order of importance; other key elements are listed alphabetically.

Concentrations of each element (in PPM) are determined by neutron activation analysis (unless otherwise noted). Note that elemental (not oxide) concentrations are quoted in this table. Values below detection limit are indicated by a minus (-). For example, -3 means that the sample contains less than 3 ppm of that element. If background limit is not available, a period (.) is used to indicate not only that the element was not detected, but that the detection limit is unusually high for that sample. Missing data are indicated by "M".

IV. Columnar Entries for Supplementary Sediment Data.  
Tables B-2 and B-3 on separate microfiche.

**SRL Site Designator**

Same as in table B-1.

**Supplementary Elemental Analyses**

Same format as table B-1.

**SAMPLEDATE**

The date of sampling, month/day/year. For example, 7/15/79 is July 15, 1979.

**TEAM**

This number identifies the sampling personnel and is used by SRL for quality assurance monitoring.

**ROCKTYPE**

This and following columns contain codes describing the sample site characteristics. Rocktype identifies the predominant rock type present in the immediate vicinity of the sampling site. The types listed are:

- |                             |                              |
|-----------------------------|------------------------------|
| 1 Other (explained on back) | 6 Clastic - coarse           |
| 2 Volcanic - mafic          | 7 Sandstone                  |
| 3 Volcanic - felsic         | 8 Shale                      |
| 4 Plutonic - felsic         | 9 Carbonate                  |
| 5 Metamorphic               | 0 Unconsolidated valley fill |

#### SEDSIZE

This code reflects the nature of the loose sediment material at the sampled site.

- |                             |                 |
|-----------------------------|-----------------|
| 1 Other (explained on back) | 4 Silt and Clay |
| 2 Pebbles and coarser       | 5 Organic muck  |
| 3 Sand                      |                 |

#### STMWIDTH AND STMDEPTH

- |               |              |
|---------------|--------------|
| 1 Dry         | 5 2 to 4 ft  |
| 2 <1/2 ft     | 6 4 to 8 ft  |
| 3 1/2 to 1 ft | 7 8 to 16 ft |
| 4 1 to 2 ft   |              |

An estimate of the average width and depth of the stream over the 100 to 200 feet of stream length where the sample was taken.

#### STMFLOW

- 1 Dry
- 2 Slow
- 3 Moderate
- 4 Fast
- 5 Torrent

#### STMLEVEL

- 1 Dry
- 2 Low
- 3 Normal
- 4 High

The water description provides an indication of the general condition of the water at the time of sampling. STMFLOW indicates the rate of flow using the listed descriptors at the sampled location (i.e., if a stream is sampled in rapids, the 4 (Fast) or 5 (Torrent) may apply; but if the same stream were sampled above or below the rapids, the 2 (Slow) or 3 (Moderate) descriptors would be more accurate). STMLEVEL describes the water level relative to its apparent normal level.

#### VEGTYPE

- 1 Other (explained on back)
- 2 Forest
- 3 Desert Scrub
- 4 Grassland
- 5 Saltbrush
- 6 Marsh

#### VEGDENS

- 1 Sparse
- 2 Moderate
- 3 Dense

These descriptors reflect the amount and type of plant growth in the immediate area of the sample location. The density is a subjective observation made in relation to visibility, ease of access, etc. The type of vegetation reflects the dominant plant type at or near the sample location.

#### RELIEF

- 1 0 to 10 ft
- 2 10 to 50 ft
- 3 50 to 200 ft
- 4 >200 ft

Relief is an indicator of local surface expression.

#### COMPOSIT

COMPOSIT shows the number of subsamples taken at each site that are composited to give the sieved sample for that site.

#### CONTAMN

The activities/contaminants columns indicate those nearby activities which may influence the analytical results. They are very important entries, chosen from the given list. The most significant activity and/or source of contamination is listed under CONTAMN. Other activities, if considered important, are listed under CONTAMNS, CONTAMNE, and CONTAMNI, in descending order of importance.

CONTAMNI	1 Other (explained on back)	6 Garbage
CONTAMNE	2 None	7 Farming
CONTAMNS	3 Chemical	8 Grazing
CONTAMN	4 Smelting	9 Oil field
	5 Mining	

#### WATRTEMP

The water temperature, taken at the time of sampling, is coded under WATRTEMP. The water temperature is recorded in degrees Celsius to the nearest whole degree.

V. Columnar Entries for Stream Water Data.  
table C-1 on separate microfiche.

#### SRL Site Designator

Each SRL site designator consists of four characters and three digits. The first four positions define the general position of the sampled site. Characters one and two denote the 15x2 degree NTPS sheet. Characters three and four denote the 15-minute quadrangle within the sheet (see figure 3). Positions five through seven contain the sample number. All seven positions in the stream water sample designator are identical to those of the stream sediment sample taken at the same site. Position 8, however, contains an R, showing that the sample consists of ion exchange resin.

**DOE Identification Number**

Each sample is assigned a 20-digit DOE ID, as described for table A-1.

**FORMATION, ODOR, pH, COND, UR/CH, AOSG, MEQ/L**

Same format as table A-1.

U, U/cond\*1000, and the other nine elemental analyses

Same format as table A-1.

**VI. Graphical Data and Maps**

All measurements in tables A-1 and B-1 and the elemental concentrations in A-2, B-2, B-3 and C-1 are displayed in areal distribution figures (symbol plots), histograms, and cumulative frequency plots if there is enough data to make meaningful figures. The symbols for the areal distribution figures are derived from the statistical distribution of the measurements within the quadrangle being reported. Symbols are used for categories based on statistical distribution rather than absolute magnitude, for a convenient comparison of elements with widely differing concentration ranges.

#### QUALITY ASSURANCE FOR SAMPLE COLLECTION

Three to ten percent of the sampled sites were routinely checked by SRL personnel or by a separate subcontractor to assure that the reported field locations were accurate. Details of the quality assurance program are shown in NURE-SRL progress reports (SRL-138).

Field measurements were checked for approximately 2% of the sites. Where important variations occurred, the sampling subcontractor was required to repeat measurements for the area in question.

REFERENCES FOR USER'S GUIDE

GJBK-77(77). Proceeding of Symposium on Hydrogeochemical and Stream Sediment Reconnaissance for Uranium in the United States. Grand Junction, Colorado, March 16 and 17, 1977: DOE-GJO Document No. GJBK-77(77).\*

Price, V., and Jones, P. L., 1976. Training Manual for Water and Sediment Geochemical Reconnaissance: SRL Document DPST-76-219. E. I. du Pont de Nemours & Co., Inc., Savannah River Laboratory, Aiken, South Carolina.

SRL-138, NURE-SRL Progress Reports:

1. Savannah River Laboratory Quarterly Reports: Hydrogeochemical and Stream Sediment Reconnaissance - Eastern United States: National Uranium Resource Evaluation Program: E. I. du Pont de Nemours & Co., Inc., Savannah River Laboratory, Aiken, South Carolina.

No.	Quarter	SRL Document No.	DOE-GJO Document No.*
a	January-March 1975	DPST-75-138-1	GJBK-5(76)
b	April-June 1975	DPST-75-138-2	GJBK-6(76)
c	July-September 1975	DPST-75-138-3	GJBK-7(76)
d	October-December 1975	DPST-75-138-4	GJBK-8(76)
e	January-March 1976	DPST-76-138-1	GJBK-17(76)
f	April-June 1976	DPST-76-138-2	GJBK-27(76)
g	July-September 1976	DPST-76-138-3	GJBK-33(76)
h	October-December 1976	DPST-76-138-4	GJBK-61(77)
i	January-March 1977	DPST-77-138-1	GJBK-95(77)
j	April-June 1977	DPST-77-138-2	GJBK-95(77)
k	July-September 1977	DPST-77-138-3	GJBK-96(77)
l	October-December 1977	DPST-77-138-4	GJBK-97(78)
m	January-March 1977	DPST-78-138-1	GJBK-88(78)

2. Savannah River Laboratory Semiannual Reports: Hydrogeochemical and Stream Sediment Reconnaissance - Eastern United States; National Uranium Resource Evaluation Program; E. I. du Pont de Nemours & Co., Inc., Savannah River Laboratory, Aiken, South Carolina.

no.	Period	SRL Document No.	Document No.*
a	April-September 1978	DPST-78-138-2	GJRX-13(78)

3. Savannah River Laboratory Semiannual Reports: Hydrogeochemical and Stream Sediment Reconnaissance; National Uranium Resource Evaluation Program; E. I. du Pont de Nemours & Co., Inc., Savannah River Laboratory, Aiken, South Carolina.

no.	Period	SRL Document No.	Document No.*
a	October 1978-March 1979	DPST-78-138-1	GJRX-08(78)
b	April-September 1979	DPST-79-138-2	GJRX-13(79)

\* DOE-GJO reports are available on microfiche from the Grand Junction Office, DOE, for \$8.00. Prepaid orders should be sent to: Bendix Field Engineering Corporation, Technical Library, P. O. Box 1588, Grand Junction, Colorado 81501. Checks or money orders should be made out to Bendix Field Engineering Corporation, the operating contractor for DOE's Grand Junction Office.



TABLE A-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA -GROUND WATER-- NEEDLES 1X2 DEGREE SHEET  
 U, BR, CL, F, MN, NA, AND V: ELEMENTAL CONCENTRATIONS IN PPB  
 HE IN PPM. IN TWO CC AIR GAP ABOVE 300 CC OF H2O. SCINT. IN CPS.

SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U	SCINT	BR	CL	F	HE	MN	NA	V	U/COND X 1000
NEAB501R	06.34.9704.115.5710.4.53.000	5.3	441	3.50	-0.002	36	77.6	16600	290	7.9	24.0	10580	-0.1	0.00
NEAB502R	06.34.7864.115.6575.4.53.000	7.4	340	2.30	11.400	68	27.5	16600	565	5.5	19.0	14580	-0.1	33.53
NEAB503R	06.34.7897.115.6369.4.53.000	9.1	163	9.80	0.400	116	.	15500	108	6.2	27.0	10260	-0.1	2.45
NEAB504R	06.34.7795.115.6059.4.52.000	5.4	400	2.80	3.100	75	.	28700	150	8.4	.	18250	-0.1	7.75
NEAB505R	06.34.7736.115.5915.4.53.000	7.1	610	2.40	7.800	80	1093.6	158800	.	7.2	.	24560	1.0	12.79
NEAB506R	06.34.8092.115.6312.4.53.000	7.5	135	2.70	18.800	100	.	18700	410	6.3	.	14990	-0.1	139.26
NEAB507R	06.34.8041.115.6622.4.53.000	7.7	440	5.10	30.600	90	31.2	23300	638	7.0	41.0	23300	-0.1	69.55
NEAB508R	06.34.8350.115.5321.4.53.000	8.3	1200	2.00	11.000	48	645.5	105900	.	7.9	227.0	92400	-0.1	9.17
NEAC501R	06.34.9872.115.4711.4.53.000	7.7	750	2.20	-0.002	50	529.2	55100	263	8.7	62.0	38900	-0.1	0.00
NEAE501R	06.34.9010.114.7676.4.53.000	6.4	700	2.70	6.000	52	.	115800	1084	11.0	111.0	88660	1.0	8.57
NEAF501R	06.34.8465.114.6067.4.52.000	7.3	2020	4.80	-0.002	15	.	460800	2596	9.7	1113.0	385200	1.0	0.00
NEAF502R	06.34.8507.114.5844.4.52.000	7.6	1100	3.00	0.600	10	.	164600	.	9.8	929.0	164150	-0.1	0.55
NEAF503R	06.34.7712.114.5946.4.52.000	7.4	750	3.00	2.500	12	.	70900	189	15.0	.	61320	-0.1	3.33
NEAF504R	06.34.8893.114.6435.4.52.000	7.2	1250	3.00	10.300	70	.	258000	1345	6.2	.	189600	1.0	8.24
NEAF505R	06.34.9226.114.6459.4.52.000	7.6	800	3.40	-0.002	72	.	24800	.	9.8	.	29290	-0.1	0.00
NEAF506R	06.34.9531.114.6713.4.52.000	7.9	1010	4.10	2.900	80	.	176400	652	7.0	692.0	161650	-0.1	2.87
NEAF507R	06.34.8955.114.5925.4.52.000	7.9	2010	3.60	1.000	30	.	255000	.	6.7	1110.0	112500	-0.1	0.50
NEAF508R	06.34.9235.114.5967.4.52.000	7.1	3000	3.20	2.700	35	.	1110800	.	7.3	5016.0	536200	-0.1	0.90
NEAF509R	06.34.9100.114.5654.4.52.000	7.5	3100	3.20	3.900	45	.	1654800	.	6.6	3432.0	836800	2.0	1.26
NEAF510R	06.34.8948.114.5784.4.52.000	7.7	1010	2.40	1.000	25	.	173600	.	6.7	582.0	103450	-0.1	0.99
NEAG502R	04.34.7634.114.3431.4.53.000	9.1	550	4.30	1.600	60	197.2	35200	481	15.0	.	32960	1.0	2.91
NEAH501R	04.34.8758.114.1482.4.52.000	8.9	360	3.00	-0.002	35	143.0	25000	522	8.4	20.0	18900	-0.1	0.00
NEBB501R	06.34.5197.115.5105.4.52.000	8.5	500	2.40	-0.002	50	.	23800	86	7.3	53.0	22840	-0.1	0.00
NEBB502R	06.34.5619.115.5423.4.52.000	8.9	400	2.90	3.000	86	48.1	33600	734	32.0	59.0	40330	1.0	7.50
NEBC501R	06.34.6343.115.3440.4.52.000	7.5	490	2.50	-0.002	54	.	23100	755	15.0	46.0	23580	-0.1	0.00
NEBC502R	06.34.6856.115.4044.4.53.000	8.3	620	4.00	-0.002	60	191.7	36600	786	12.0	56.0	66500	-0.1	0.00
NEBC503R	06.34.7295.115.2508.4.53.000	7.9	350	1.30	-0.002	35	130.0	18700	139	26.0	41.0	20010	-0.1	0.00
NEBD501R	06.34.7117.115.1244.4.52.000	6.5	900	4.50	11.400	25	369.6	64800	244	13.0	116.0	46840	-0.1	12.67
NEBG501R	04.34.7430.114.4862.4.52.000	7.3	700	2.40	-0.002	34	325.6	42200	1053	6.3	135.0	42500	-0.1	0.00
NEBG502R	04.34.7299.114.4350.4.52.000	7.5	750	1.50	8.400	44	725.4	90500	2126	560.0	97.0	81960	-0.1	11.20
NEBG503R	04.34.6613.114.2852.4.52.000	7.7	210	1.60	4.000	44	74.3	14700	139	12.0	65.0	27790	-0.1	19.05
NEBG504R	04.34.5701.114.3889.4.52.000	7.3	1950	1.30	3.500	44	188.4	430000	2679	13.0	217.0	322350	-0.1	1.79
NEBH501R	04.34.6502.114.0752.4.52.000	8.6	350	3.00	2.100	55	.	13500	156	8.2	89.0	16210	3.0	6.00
NECE501R	06.34.4654.114.8343.4.52.000	8.2	1200	7.60	5.500	60	.	142100	2477	9.0	678.0	176500	2.0	4.58
NECF501R	06.34.2605.114.5432.4.52.000	9.4	80	2.60	4.100	120	.	44700	589	6.7	63.0	62980	-0.1	51.25
NECG501R	06.34.3357.114.2900.4.53.000	8.4	1600	2.30	1.900	54	583.5	139700	.	6.5	299.0	83400	-0.1	1.19
NECG502R	06.34.3504.114.2883.4.53.000	8.3	1500	2.10	2.700	45	1374.5	177000	.	6.2	346.0	85600	-0.1	1.80
NECH501R	06.34.2641.114.1453.4.53.000	7.8	950	2.10	2.200	30	.	84900	4034	26.0	92.0	122680	-0.1	2.32
NEDA501R	06.34.1202.115.7679.4.52.000	8.9	2100	2.30	4.700	45	712.2	277800	3934	510.0	893.0	298000	1.0	2.24
NEDA502R	06.34.1361.115.9419.4.52.000	8.4	2000	4.40	-0.002	55	.	271400	8102	84.0	955.0	367800	1.0	0.00
NEDA503R	06.34.1662.115.8160.4.52.000	8.7	2800	2.90	-0.002	45	.	405200	4594	570.0	840.0	415000	3.0	0.00
NEDA504R	06.34.1650.115.8454.4.52.000	8.3	2800	3.30	-0.002	35	1925.4	433400	6020	560.0	965.0	455800	3.0	0.00
NEDA505R	06.34.1902.115.9892.4.52.000	8.4	2230	0.72	0.400	62	.	224400	6174	150.0	915.0	239600	-0.1	0.18
NEDA506R	06.34.1934.115.9667.4.52.000	7.9	1220	1.00	0.300	60	.	190200	6930	160.0	315.0	301600	-0.1	0.25
NEDA507R	06.34.1681.115.9650.4.52.000	7.9	2320	3.70	-0.002	58	.	230200	6130	41.0	1029.0	304200	-0.1	0.00
NEDA508R	06.34.1251.115.9013.4.52.000	7.8	2570	3.00	10.100	45	.	300200	6674	180.0	934.0	341000	-0.1	3.93
NEDA509R	06.34.1202.115.8589.4.52.000	8.3	1930	2.60	7.500	67	.	184300	4297	410.0	250.0	271850	2.0	3.89
NEDA510R	06.34.1240.115.8322.4.52.000	8.2	2370	2.60	-0.002	53	.	325000	7410	600.0	1011.0	354400	2.0	0.00
NEDE501R	06.34.0836.114.8505.4.52.000	9.0	2800	2.10	3.000	35	1399.2	478000	1128	9.3	1203.0	414800	1.0	1.07

TABLE A-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA -GROUND WATER----- NEEDLES 1X2 DEGREE SHEET

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SRL I.D.	AL PPB	DY PPB	MG PPB	SAMPLING DATE	TEAM	W A T E R T E M P E R A T U R E	W E L L D E P T H	D P T H C O N F I D E N T I F I C A T I O N	W E L L C L A S S I F I C A T I O N	S M P P O I N T	W E L L O D O R
NEAB501	-79.0	-0.02	21770	3/12/80	092	19	0	1	1	5	2
NEAB502	-79.0	-0.02	3670	3/13/80	092	18	0	1	1	5	2
NEAB503	-79.0	-0.02	M	3/13/80	092	13	0	1	1	5	2
NEAB504	-79.0	-0.02	4820	3/14/80	092	18	U	5	4	3	2
NEAB505	-79.0	-0.02	33440	3/14/80	092	19	0	1	1	5	2
NEAB506	-79.0	-0.02	4650	3/14/80	092	19	0	1	1	5	2
NEAB507	-79.0	-0.02	8370	3/14/80	092	11	0	1	1	5	2
NEAB508	-79.0	-0.02	20640	3/14/80	081	21	0	1	1	5	2
NEAC501	-79.0	-0.02	4650	3/13/80	081	17	1	2	2	1	2
NEAE501	-79.0	-0.02	13930	2/21/80	016	25	0	1	1	5	2
NEAF501	416.0	-0.02	M	2/20/80	071	23	100	4	5	4	2
NEAF502	-79.0	-0.02	33540	2/21/80	071	17	40	3	2	2	2
NEAF503	-79.0	-0.02	M	2/21/80	071	19	500	2	2	2	2
NEAF504	133.0	-0.02	32490	2/23/80	071	26	82	2	2	2	2
NEAF505	-79.0	-0.02	6030	2/23/80	071	19	80	2	2	2	2
NEAF506	-79.0	-0.02	21340	2/23/80	071	24	90	2	2	2	2
NEAF507	-79.0	-0.02	56900	2/24/80	071	19	U	5	2	2	2
NEAF508	235.0	-0.02	157580	2/24/80	071	21	70	3	2	2	2
NEAF509	266.0	-0.02	151940	2/24/80	071	18	60	3	2	2	2
NEAF510	164.0	-0.02	12360	2/24/80	071	20	87	2	2	1	2
NEAG502	-79.0	-0.02	22540	2/22/80	069	30	U	5	2	2	2
NEAH501	-79.0	-0.02	6080	2/28/80	069	10	U	5	3	2	2
NEBB501	-79.0	-0.02	5230	3/12/80	093	29	575	3	2	3	2
NEBB502	-79.0	-0.02	M	3/14/80	093	20	140	3	2	2	2
NEBC501	-79.0	-0.02	1620	3/12/80	001	23	900	1	2	2	2
NEBC502	-79.0	-0.02	M	3/13/80	001	19	0	1	2	5	2
NEBC503	-79.0	-0.02	5160	3/14/80	081	20	500	4	2	4	2
NEBD501	-79.0	-0.02	8280	3/12/80	071	20	125	2	4	5	2
NEBG501	-79.0	-0.02	5730	2/22/80	081	24	70	3	2	2	2
NEBG502	-79.0	-0.02	6430	2/22/80	081	19	385	2	2	4	2
NEBG503	-79.0	-0.02	1870	2/22/80	081	24	900	2	2	2	2
NEBG504	93.0	-0.02	21810	2/22/80	081	22	160	3	2	2	2
NEBH501	-79.0	-0.02	14060	2/27/80	071	21	U	5	4	2	2
NECE501	1533.0	-0.02	M	3/ 6/80	001	23	50	4	4	5	2
NECF501	93.0	-0.02	M	3/ 7/80	091	22	500	2	2	2	2
NECG501	-79.0	-0.02	M	3/ 6/80	081	17	1	1	1	5	2
NECG502	214.0	-0.02	18670	3/ 6/80	081	19	1	1	1	5	2
NECH501	-79.0	-0.02	3340	3/ 7/80	071	20	5	4	2	5	2
NEDA501	86.0	0.20	M	3/13/80	069	19	175	1	2	4	2
NEDA502	173.0	-0.02	M	3/13/80	069	14	U	5	6	4	2
NEDA503	116.0	0.30	M	3/14/80	069	19	300	3	2	4	2
NEDA504	115.0	-0.02	M	3/14/80	069	22	180	2	6	4	2
NEDA505	158.0	-0.02	M	3/15/80	001	27	300	1	1	1	2
NEDA506	92.0	-0.02	M	3/15/80	001	20	160	1	1	1	2
NEDA507	211.0	-0.02	M	3/15/80	001	26	212	1	2	1	2
NEDA508	346.0	-0.02	M	3/15/80	001	29	500	1	1	1	2
NEDA509	84.0	-0.02	M	3/15/80	001	29	150	2	1	1	2
NEDA510	87.0	-0.02	M	3/15/80	001	26	149	1	1	1	2
NEDE501	110.0	-0.02	M	3/ 6/80	091	18	300	2	6	3	2

## STATISTICAL SUMMARY FOR THE GROUND WATERS OF THE NEEDLES QUADRANGLE

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VARIABLE	N	MEAN	MINIMUM VALUE	MAXIMUM VALUE	STANDARD DEVIATION
U	49	3.885102	-0.0020000	30.60000	5.683516
F	39	2222.641026	86.0000000	8102.00000	2502.069864
NA	49	162751.428571	10260.0000000	836800.00000	176610.712704
AL	49	49.673469	-79.0000000	1533.00000	254.349037
CL	49	197242.857143	13500.0000000	1654800.00000	286693.580616
HE	49	86.077551	5.5000000	600.00000	175.109578
MN	42	599.214286	19.0000000	5016.00000	932.109476
BR	21	513.938095	27.5000000	1925.40000	532.948019
DY	49	-0.008980	-0.0200000	0.30000	0.054933
V	49	0.463265	-0.1000000	3.00000	0.933339
ALK	49	3.045306	0.7200000	9.80000	1.524985
COND	49	1221.000000	80.0000000	3100.00000	884.679391
PH	49	7.857143	5.3000000	9.40000	0.842120
UCOND	49	8.888367	0.0000000	139.26000	23.007790
SCINT	49	53.142857	10.0000000	120.00000	23.684559

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEAA001S1	06-34.8571-115.8237-4-61-000	.	.	.	2.4	6	6	85	43	M	310	14400	6.7	2000	40
NEAA002S1	06-34.8475-115.8544-4-59-000	.	.	.	3.2	10	12	90	63	26000	410	14500	11.4	1000	50
NEAA003S1	06-34.8781-115.8542-4-59-000	.	.	.	2.9	13	15	80	79	35300	570	21300	8.9	5100	70
NEAA004S1	06-34.9055-115.8906-4-59-000	.	.	.	3.5	6	17	80	27	10600	200	7800	9.8	800	30
NEAA005S1	06-34.9082-115.8544-4-61-000	.	.	.	2.5	12	14	85	64	29100	500	20500	14.3	3700	50
NEAA006S1	06-34.9037-115.8230-4-59-000	.	.	.	2.5	16	5	85	80	33700	560	17400	8.0	4600	80
NEAA007S1	06-34.8769-115.8205-4-59-000	.	.	.	2.4	6	5	80	31	18200	340	13100	6.1	17200	30
NEAA008S1	06-34.9382-115.8822-4-61-000	.	.	.	2.4	10	11	75	52	M	530	21600	6.7	3300	50
NEAA009S1	06-34.9357-115.8549-4-59-000	.	.	.	3.1	13	8	75	77	24400	570	21400	8.7	23100	60
NEAA010S1	06-34.9362-115.8200-4-59-000	.	.	.	2.7	12	11	75	61	21800	390	15900	8.1	3100	50
NEAA011S1	06-34.9042-115.9281-4-61-000	.	.	.	3.0	15	14	80	80	27000	720	27000	9.7	5000	90
NEAA012S1	06-34.9263-115.9407-4-61-000	.	.	.	2.2	11	8	85	37	26800	510	21400	8.8	4900	70
NEAA013S1	06-34.9130-115.9646-4-59-000	.	.	.	3.5	11	16	80	50	18700	360	13200	13.6	1100	60
NEAA014S1	06-34.9314-115.9748-4-59-000	.	.	.	3.0	10	13	85	56	20600	390	14100	8.3	2100	30
NEAA015S1	06-34.9334-115.9951-4-61-000	.	.	.	2.7	11	8	80	72	23700	690	26200	8.6	5100	90
NEAA016S1	06-34.9660-115.8544-4-61-000	.	.	.	2.8	13	13	90	72	30200	530	18200	8.7	-200	70
NEAA017S1	06-34.9732-115.9555-4-61-000	.	.	.	2.5	8	10	85	51	18700	330	11900	8.6	2700	40
NEAA018S1	06-34.9929-115.9674-4-61-000	.	.	.	2.9	8	10	85	-10	27700	410	15000	9.5	6300	40
NEAA019S1	06-34.9279-115.9117-4-61-000	.	.	.	2.0	10	10	85	40	30200	620	25500	4.2	4900	80
NEAA020S1	06-34.8780-115.8909-4-59-000	.	.	.	3.0	15	12	65	77	36100	530	18700	9.6	6500	90
NEAA021S1	06-34.8663-115.9304-4-61-000	.	.	.	2.8	7	12	70	53	25300	380	13000	11.4	900	40
NEAA022S1	06-34.8775-115.9660-4-59-000	.	.	.	2.8	12	7	65	47	38600	700	17900	9.4	5400	100
NEAA023S1	06-34.8458-115.8894-4-59-000	.	.	.	M	14	10	75	68	29900	500	17800	10.9	1700	60
NEAA024S1	06-34.8455-115.9290-4-59-000	.	.	.	3.2	12	14	85	59	15500	420	17200	8.1	2700	40
NEAA025S1	06-34.8432-115.9592-4-61-000	.	.	.	2.4	20	11	85	94	37400	550	20000	6.5	5300	90
NEAA026S1	06-34.8465-115.9880-4-61-000	.	.	.	2.7	10	5	90	53	26500	470	16300	8.1	3900	60
NEAA027S1	06-34.8768-115.9977-4-59-000	.	.	.	2.5	9	8	75	52	M	340	12200	10.5	700	30
NEAA028S1	06-34.8178-115.9948-4-59-000	.	.	.	2.9	17	12	75	88	29600	580	18800	10.2	3300	70
NEAA029S1	06-34.8169-115.9593-4-59-000	.	.	.	2.6	9	10	80	53	25800	900	-100	9.6	1200	70
NEAA030S1	06-34.7884-115.9880-4-61-000	.	.	.	4.0	14	21	85	66	30900	540	15700	8.7	4000	70
NEAA031S1	06-34.8157-115.9295-4-61-000	.	.	.	1.9	9	5	85	70	29500	540	26400	5.5	4500	70
NEAA032S1	06-34.7923-115.9529-4-61-000	.	.	.	2.2	5	7	70	16	21600	370	14700	11.0	2400	50
NEAA033S1	06-34.7895-115.9144-4-61-000	.	.	.	2.7	8	9	80	42	21100	300	12400	8.5	1900	30
NEAA034S1	06-34.7677-115.9275-4-59-000	.	.	.	2.3	13	10	80	56	28300	530	19300	9.9	5700	70
NEAA035S1	06-34.8212-115.8942-4-61-000	.	.	.	2.5	11	12	70	61	21300	450	16700	8.4	3000	60
NEAA036S1	06-34.7834-115.8972-4-61-000	.	.	.	3.0	6	11	75	51	27800	350	13400	8.7	700	40
NEAA037S1	06-34.7620-115.8902-4-61-000	.	.	.	2.8	11	8	65	63	27200	500	19100	6.0	3500	60
NEAA038S1	06-34.7547-115.8549-4-61-000	.	.	.	2.6	12	10	80	69	29700	560	24000	10.0	4500	70
NEAA039S1	06-34.7827-115.8627-4-61-000	.	.	.	2.3	9	12	70	33	M	330	13000	-0.4	2300	40
NEAA040S1	06-34.7627-115.8166-4-61-000	.	.	.	2.0	13	11	65	70	30600	470	19800	5.3	4500	60
NEAA041S1	06-34.8104-115.8553-4-61-000	.	.	.	3.3	13	14	65	58	21100	380	13100	9.0	3900	50
NEAA042S1	06-34.7886-115.8318-4-61-000	.	.	.	2.7	14	15	70	81	34400	520	19300	9.8	3600	90
NEAA043S1	06-34.7635-115.7750-4-61-000	.	.	.	2.0	13	8	80	55	52100	580	22000	5.3	4800	80
NEAA044S1	06-34.7571-115.7539-4-59-000	.	.	.	2.7	12	10	70	56	27400	530	20200	8.9	3200	60
NEAA045S1	06-34.7863-115.7919-4-61-000	.	.	.	2.9	9	14	70	24	19200	730	-100	7.9	300	90
NEAA046S1	06-34.7740-115.7603-4-61-000	.	.	.	2.5	12	14	75	81	34500	490	19700	9.5	4600	80
NEAA047S1	06-34.8040-115.8172-4-59-000	.	.	.	3.0	9	13	70	38	21400	300	11200	9.1	1500	40
NEAA048S1	06-34.8352-115.8198-4-59-000	.	.	.	2.9	13	13	75	64	28300	470	17000	9.4	4000	70
NEAA049S1	06-34.8331-115.7853-4-61-000	.	.	.	2.1	15	5	60	74	31500	560	22500	8.0	4800	70
NEAA050S1	06-34.8475-115.7847-4-61-000	.	.	.	2.2	7	2	60	28	12700	270	11600	4.8	2200	40
NEAA051S1	06-34.8387-115.7661-4-61-000	.	.	.	2.7	18	14	65	78	31200	440	17100	8.1	3700	50
NEAB001S1	06-34.9805-115.7120-4-59-000	.	.	.	2.2	13	9	30	48	25500	390	18500	7.2	5000	70
NEAB002S1	06-34.9969-115.7130-4-59-000	.	.	.	2.4	11	10	26	62	21600	770	M	7.8	800	50
NEAB003S1	06-34.9970-115.7415-4-59-000	.	.	.	1.9	11	7	24	56	23300	330	19800	7.8	2400	30
NEAB004S1	06-34.9794-115.6903-4-59-000	.	.	.	2.9	16	11	22	93	28400	540	25700	8.1	5100	80

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEAB00551	06-34.9948-115.6794-4-59-000	.	.	.	2.7	19	12	26	82	36000	480	19800	4.9	4200	60
NEAB00651	06-34.9969-115.6213-4-59-000	.	.	.	2.8	12	10	20	48	23500	320	10500	8.8	1600	30
NEAB00751	06-34.9861-115.5881-4-59-000	.	.	.	1.8	12	8	12	59	23200	490	11200	4.0	3900	60
NEAB00851	06-34.9729-115.5728-4-59-000	.	.	.	2.2	12	6	36	44	23200	490	22900	6.5	3100	40
NEAB00951	06-34.9866-115.5516-4-59-000	.	.	.	2.1	6	7	34	19	9600	280	8000	5.1	500	20
NEAB01051	06-34.9882-115.6422-4-59-000	.	.	.	2.7	8	7	12	44	20300	340	10600	7.7	700	30
NEAB01151	06-34.9733-115.6130-4-59-000	.	.	.	2.7	14	6	24	63	26400	510	15200	6.8	4000	60
NEAB01251	06-34.9701-115.6128-4-59-000	.	.	.	2.0	11	7	30	49	29000	210	-100	5.9	5000	40
NEAB01351	06-34.9621-115.6416-4-59-000	.	.	.	2.3	12	8	18	77	28300	420	18600	5.9	1800	40
NEAB01451	06-34.9317-115.6422-4-59-000	.	.	.	2.9	8	11	26	56	29400	400	17200	9.6	2900	60
NEAB01551	06-34.8989-115.6417-4-59-000	.	.	.	2.4	17	17	22	79	41100	750	22800	7.4	7200	100
NEAB01651	06-34.7594-115.6422-4-59-000	.	.	.	M	23	7	46	94	41200	450	16100	6.4	2400	70
NEAB01751	06-34.7841-115.6591-4-61-000	.	.	.	4.0	21	10	60	52	12600	280	15200	5.5	2100	30
NEAB01851	06-34.7798-115.6316-4-59-000	.	.	.	3.4	13	11	62	52	16200	260	12800	7.3	-200	30
NEAB01951	06-34.7919-115.6121-4-59-000	.	.	.	2.7	12	11	50	56	16700	280	15600	8.3	900	20
NEAB02051	06-34.8114-115.6080-4-59-000	.	.	.	3.1	22	14	52	79	36500	520	19800	12.4	4400	80
NEAB02151	06-34.8261-115.6174-4-59-000	.	.	.	2.8	6	-2	48	-10	18100	340	15000	4.1	2600	60
NEAB02251	06-34.8535-115.6321-4-59-000	.	.	.	2.5	18	12	48	75	40200	640	27800	6.9	5600	110
NEAB02351	06-34.8790-115.6429-4-59-000	.	.	.	2.9	12	15	46	76	22100	580	22800	9.9	4900	90
NEAB02451	06-34.8969-115.6767-4-59-000	.	.	.	2.7	13	11	42	59	15200	370	15300	6.1	3400	50
NEAB02551	06-34.8864-115.7145-4-59-000	.	.	.	2.4	10	11	40	58	34300	440	13600	10.8	3100	70
NEAB02651	06-34.8803-115.7435-4-59-000	.	.	.	2.2	13	10	42	99	40000	600	20600	5.4	6000	110
NEAB02751	06-34.9029-115.6090-4-59-000	.	.	.	3.0	6	16	50	-10	21900	290	9500	7.2	900	60
NEAB02851	06-34.9095-115.5679-4-59-000	.	.	.	1.5	11	3	46	53	21000	350	7800	5.2	1500	40
NEAB02951	06-34.9114-115.5425-4-59-000	.	.	.	2.8	8	14	62	85	38200	570	15000	17.2	3600	110
NEAB03051	06-34.8855-115.5623-4-59-000	.	.	.	2.7	13	15	64	87	35000	480	11500	14.7	2600	100
NEAB03151	06-34.8855-115.5924-4-59-000	.	.	.	2.5	17	9	66	59	26000	550	31100	4.0	5000	70
NEAB03251	06-34.7599-115.6907-4-59-000	.	.	.	2.6	27	9	62	44	35900	520	21400	5.5	3300	60
NEAB03351	06-34.7570-115.7202-4-61-000	.	.	.	2.6	17	7	90	46	11200	290	15000	6.7	1700	30
NEAB03451	06-34.7745-115.7435-4-61-000	.	.	.	2.5	27	5	72	89	22900	510	34800	10.7	3700	40
NEAB03551	06-34.7529-115.7469-4-59-000	.	.	.	3.9	27	11	88	105	36900	560	20200	7.4	3900	50
NEAB03651	06-34.7753-115.6063-4-59-000	.	.	.	1.9	14	7	90	52	29200	420	20800	7.9	3200	60
NEAB03751	06-34.8025-115.6557-4-62-000	.	.	.	3.4	15	4	92	50	16200	1570	6200	5.8	700	20
NEAB03851	06-34.8066-115.6784-4-59-000	.	.	.	2.3	10	10	70	51	20700	330	14500	7.6	700	10
NEAB03951	06-34.8175-115.7287-4-59-000	.	.	.	3.0	8	3	76	28	17900	300	15600	7.8	2200	40
NEAB04051	06-34.8212-115.6476-4-59-000	.	.	.	2.5	10	8	74	-10	12200	260	15200	6.2	2000	20
NEAB04151	06-34.8529-115.6672-4-59-000	.	.	.	2.3	18	10	60	-10	39100	650	28800	4.0	6300	100
NEAB04251	06-34.8790-115.6764-4-59-000	.	.	.	2.3	9	5	62	52	19200	270	11200	5.7	2300	50
NEAB04351	06-34.9698-115.5029-4-61-000	.	.	.	2.7	10	12	25	36	17800	300	9300	7.3	700	20
NEAB04451	06-34.9469-115.5061-4-61-000	.	.	.	2.2	18	7	85	72	32000	500	16500	5.2	3900	70
NEAB04551	06-34.9035-115.5054-4-61-000	.	.	.	3.0	15	12	55	87	23700	380	14800	10.5	2500	40
NEAB04651	06-34.8702-115.5162-4-61-000	.	.	.	2.7	14	15	58	102	31400	490	18700	11.0	5600	80
NEAB04751	06-34.8354-115.5294-4-61-000	.	.	.	2.5	12	15	48	61	32000	560	14500	13.5	3300	70
NEAB04851	06-34.8008-115.5205-4-59-000	.	.	.	2.8	8	16	52	27	29500	370	11300	7.8	2600	50
NEAB04951	06-34.8066-115.5446-4-61-000	.	.	.	2.7	15	12	62	61	31100	800	18500	6.0	4300	80
NEAB05051	06-34.7931-115.5551-4-61-000	.	.	.	2.6	13	29	35	91	48200	420	13800	15.8	1300	80
NEAB05151	06-34.7830-115.5757-4-61-000	.	.	.	M	-2	-2	45	-10	M	-20	-100	-0.1	-200	.
NEAC00151	06-34.7542-115.2601-4-59-000	.	.	.	M	17	15	58	112	33000	450	12600	8.8	5200	80
NEAC00251	06-34.7781-115.2616-4-61-000	.	.	.	2.7	10	20	56	69	23700	310	12400	7.2	1600	30
NEAC00351	06-34.7623-115.3053-4-61-000	.	.	.	3.1	17	18	66	64	45700	650	21300	12.2	6600	110
NEAC00451	06-34.7748-115.2890-4-61-000	.	.	.	3.0	9	18	58	64	18400	250	9500	8.6	2900	50
NEAC00551	06-34.7867-115.3213-4-61-000	.	.	.	4.3	21	25	58	135	46800	1610	10400	11.9	4700	110
NEAC00651	06-34.8207-115.3301-4-61-000	.	.	.	3.2	24	17	62	117	37200	620	22200	9.9	-200	80
NEAC00751	06-34.8414-115.3182-4-61-000	.	.	.	2.4	13	17	48	39	27100	380	18500	7.1	3200	50
NEAC00851	06-34.8206-115.2959-4-61-000	.	.	.	2.4	10	15	52	62	23300	410	17000	5.3	2800	60

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	TI PPM	V PPM
NEAC0095I	06-34.8196-115.2505-4-61-000	.	.	.	1.3	5	7	48	33	15000	330	11900	7.5	1600	30
NEAC0105I	06-34.8331-115.3663-4-59-000	.	.	.	3.6	10	-2	58	82	24800	410	15000	6.8	3400	60
NEAC0115I	06-34.8512-115.3893-4-59-000	.	.	.	2.8	14	18	52	77	29900	410	14900	8.3	3100	60
NEAC0125I	06-34.8715-115.4058-4-61-000	.	.	.	2.8	17	18	52	82	35500	540	18600	8.6	4900	80
NEAC0135I	06-34.9101-115.4237-4-59-000	.	.	.	3.9	20	25	48	106	39600	480	15400	7.0	4700	110
NEAC0145I	06-34.9101-115.3892-4-61-000	.	.	.	2.6	9	14	55	20	21600	430	15500	8.5	2500	50
NEAC0155I	06-34.9111-115.3521-4-61-000	.	.	.	2.6	13	14	56	75	21400	390	11600	9.3	2700	60
NEAC0165I	06-34.9165-115.3186-4-59-000	.	.	.	3.3	21	13	50	101	47200	670	20600	11.4	-200	90
NEAC0175I	06-34.9223-115.2883-4-61-000	.	.	.	3.8	11	28	54	86	47300	500	12900	8.3	4600	90
NEAC0185I	06-34.9017-115.2720-4-61-000	.	.	.	6.8	36	46	58	127	85800	850	13200	8.2	4500	130
NEAC0195I	06-34.9316-115.2593-4-61-000	.	.	.	2.4	9	11	52	86	29700	540	15600	10.8	8900	80
NEAC0205I	06-34.9459-115.3096-4-61-000	.	.	.	2.5	12	10	52	51	14400	500	16400	8.5	3500	60
NEAC0215I	06-34.9707-115.3174-4-61-000	.	.	.	M	-2	-2	48	-10	M	-20	100	0.3	-200	.
NEAC0225I	06-34.9584-115.2866-4-61-000	.	.	.	2.9	7	11	48	21	18500	1460	-100	5.7	5800	70
NEAC0235I	06-34.8892-115.3405-4-61-000	.	.	.	3.0	18	17	46	65	34500	740	23900	6.8	5500	90
NEAC0245I	06-34.8733-115.3032-4-61-000	.	.	.	2.1	9	10	46	67	25400	360	14900	9.8	1000	30
NEAC0255I	06-34.8596-115.2682-4-61-000	.	.	.	3.3	13	20	45	-10	24400	350	12200	8.1	2000	40
NEAC0265I	06-34.9329-115.4244-4-61-000	.	.	.	3.2	24	29	65	125	48700	700	25400	7.4	5900	130
NEAC0275I	06-34.9467-115.4088-4-59-000	.	.	.	11.2	111	130	46	458	87700	1470	12100	12.3	14300	220
NEAC0285I	06-34.9649-115.3999-4-61-000	.	.	.	1.8	12	10	54	74	24600	410	18700	4.0	3600	50
NEAC0295I	06-34.9984-115.3882-4-61-000	.	.	.	3.2	12	17	54	96	24700	350	11800	7.3	2200	40
NEAC0305I	06-34.9670-115.4205-4-61-000	.	.	.	3.8	16	28	55	117	36300	500	12100	13.1	3600	70
NEAC0315I	06-34.9408-115.4732-4-61-000	.	.	.	1.7	11	4	78	64	19700	480	21400	5.4	4100	60
NEAC0325I	06-34.9449-115.4974-4-61-000	.	.	.	1.9	15	9	72	76	38000	680	24300	8.1	5500	110
NEAC0335I	06-34.9155-115.4567-4-61-000	.	.	.	2.3	14	11	45	77	27300	390	17200	7.2	3300	60
NEAC0345I	06-34.8889-115.4482-4-61-000	.	.	.	3.1	9	14	64	48	28200	330	11400	10.3	2400	40
NEAC0355I	06-34.8705-115.4639-4-61-000	.	.	.	3.4	20	18	66	125	31100	520	20600	14.8	5400	90
NEAC0365I	06-34.8519-115.4781-4-59-000	.	.	.	3.1	12	15	55	66	24300	410	14800	11.3	3300	60
NEAC0375I	06-34.8059-115.3429-4-61-000	.	.	.	0.1	-2	-2	65	M	M	-20	-100	-0.1	-200	-10
NEAC0385I	06-34.8041-115.3709-4-61-000	.	.	.	2.1	7	6	62	47	23000	510	17400	10.8	3900	80
NEAC0395I	06-34.7952-115.3992-4-61-000	.	.	.	1.5	12	12	52	84	40400	740	20300	6.1	7200	130
NEAC0405I	06-34.7869-115.4228-4-59-000	.	.	.	2.4	10	12	50	42	22000	330	9600	8.9	3000	40
NEAC0415I	06-34.7752-115.4532-4-61-000	.	.	.	2.7	13	17	56	102	40200	550	18300	12.4	5100	90
NEAC0425I	06-34.7640-115.4784-4-59-000	.	.	.	2.6	7	10	58	40	16800	210	7700	7.8	800	30
NEAC0435I	06-34.7573-115.4990-4-59-000	.	.	.	1.8	5	7	60	51	19300	250	13400	5.9	2300	30
NEAC0445I	06-34.8354-115.4048-4-61-000	.	.	.	3.0	19	15	60	129	37200	570	22300	8.0	5600	100
NEAC0455I	06-34.8429-115.4367-4-61-000	.	.	.	3.2	19	15	62	74	17500	330	17200	10.5	3800	70
NEAC0465I	06-34.8247-115.4993-4-61-000	.	.	.	4.6	23	38	50	83	67000	550	11700	11.3	6900	190
NEAC0475I	06-34.8121-115.4755-4-61-000	.	.	.	2.7	19	18	52	133	58900	560	18400	7.3	6100	110
NEAC0485I	06-34.8147-115.4503-4-59-000	.	.	.	3.1	15	20	48	98	48600	470	14200	9.9	3000	80
NEAC0495I	06-34.8165-115.4270-4-61-000	.	.	.	2.9	12	11	48	-10	20600	560	24500	12.0	5300	90
NEAC0505I	06-34.8177-115.4014-4-61-000	.	.	.	2.7	10	10	55	36	20300	260	12500	8.2	2100	30
NEAC0515I	06-34.8209-115.3797-4-61-000	.	.	.	M	18	17	54	113	45500	670	15000	7.5	6000	110
NEAC0525I	06-34.9467-115.4444-4-59-000	.	.	.	3.0	22	26	45	102	72100	900	22900	9.4	7500	230
NEAC0535I	06-34.9765-115.4449-4-61-000	.	.	.	2.4	12	13	45	73	24900	380	12200	10.7	1100	20
NEAC0545I	06-34.9712-115.4680-4-61-000	.	.	.	2.3	12	10	35	84	34400	470	13100	16.1	3600	60
NEAC0555I	06-34.9864-115.4922-4-61-000	.	.	.	1.1	4	5	25	39	10800	350	9500	4.0	1800	20
NEAC0565I	06-34.7996-115.2983-4-59-000	.	.	.	2.2	7	11	45	44	18300	240	12100	6.5	600	30
NEAC0575I	06-34.8017-115.2663-4-59-000	.	.	.	2.9	8	12	44	45	20200	310	12200	5.0	2000	30
NEAC0585I	06-34.8842-115.4845-4-61-000	.	.	.	2.4	16	11	54	85	28100	580	26000	7.0	5100	80
NEAD0015I	06-34.9144-115.0362-4-59-000	.	.	.	3.7	15	42	26	90	41900	580	11500	13.2	6000	100
NEAD0025I	06-34.9306-115.0698-4-59-000	.	.	.	3.1	15	20	34	69	22000	360	12400	6.4	900	40
NEAD0035I	06-34.9836-115.0132-4-59-000	.	.	.	5.3	46	38	40	252	64000	780	15400	11.2	6400	110
NEAD0045I	06-34.9709-115.0460-4-59-000	.	.	.	3.1	9	20	36	20	16900	400	12000	8.4	2500	50
NEAD0055I	06-34.9598-115.0859-4-59-000	.	.	.	3.1	16	19	38	94	35400	760	26300	4.8	7200	100

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	TI PPM	V PPM
NEAD006S1	06-34.9819-115.1006-4-59-000	.	.	.	2.9	12	17	32	59	25100	320	12300	8.1	2000	40
NEAD007S1	06-34.9793-115.1337-4-59-000	.	.	.	5.3	19	28	42	86	32400	410	10700	9.6	4300	80
NEAD008S1	06-34.9483-115.1271-4-59-000	.	.	.	1.5	9	4	38	46	19600	360	20600	7.7	2500	30
NEAD009S1	06-34.9346-115.1707-4-59-000	.	.	.	3.5	8	14	46	37	21100	300	10000	8.5	-200	50
NEAD010S1	06-34.9429-115.2023-4-59-000	.	.	.	3.7	15	14	40	68	30700	330	13700	5.4	2500	40
NEAD011S1	06-34.9373-115.2332-4-59-000	.	.	.	5.2	38	32	42	134	48900	1020	22400	9.1	8600	150
NEAD012S1	06-34.9833-115.2400-4-59-000	.	.	.	2.7	10	7	36	48	18200	310	13400	5.6	2500	40
NEAD013S1	06-34.9086-115.2300-4-59-000	.	.	.	2.4	17	11	36	99	36000	480	17900	8.4	4200	60
NEAD014S1	06-34.8894-115.2306-4-59-000	.	.	.	6.5	24	40	42	107	35800	460	9400	9.6	3900	90
NEAD015S1	06-34.8601-115.2352-4-59-000	.	.	.	7.1	43	48	40	181	85700	1000	21700	8.3	8000	200
NEAD016S1	06-34.8433-115.2132-4-59-000	.	.	.	3.8	14	11	36	46	22700	370	13400	8.0	3400	60
NEAD017S1	06-34.8162-115.1699-4-59-000	.	.	.	2.6	11	20	38	75	23700	450	9400	8.5	4000	40
NEAD018S1	06-34.8182-115.1365-4-59-000	.	.	.	5.5	33	40	38	199	37900	630	9300	19.5	5000	40
NEAD019S1	06-34.8224-115.0990-4-59-000	.	.	.	2.7	19	20	32	78	38900	680	13500	11.8	5000	70
NEAD020S1	06-34.8251-115.0621-4-59-000	.	.	.	3.3	38	42	40	243	47000	740	12900	9.4	8100	80
NEAD021S1	06-34.8278-115.0301-4-59-000	.	.	.	3.9	16	38	32	144	41700	580	8400	9.9	4900	60
NEAD022S1	06-34.8603-115.0552-4-59-000	.	.	.	3.3	19	58	16	238	71300	1250	16100	12.5	11000	130
NEAD023S1	06-34.8906-115.0589-4-59-000	.	.	.	2.8	13	26	18	95	31900	450	9900	14.3	3900	60
NEAD024S1	06-34.8886-115.0293-4-59-000	.	.	.	1.6	7	15	12	100	31900	670	8200	15.8	3200	50
NEAD025S1	06-34.9374-115.0207-4-59-000	.	.	.	3.1	23	18	16	96	32400	590	16800	7.5	6100	90
NEAD026S1	06-34.9476-115.0583-4-59-000	.	.	.	4.2	12	18	14	67	19200	340	8700	8.9	3300	50
NEAD027S1	06-34.9251-115.0999-4-59-000	.	.	.	3.0	11	16	16	54	25600	380	13800	7.6	2500	40
NEAD028S1	06-34.9286-115.1360-4-61-000	.	.	.	4.9	32	36	20	126	50600	560	13600	9.0	6600	140
NEAD029S1	06-34.9167-115.1783-4-61-000	.	.	.	3.8	18	18	16	75	33200	300	12400	7.4	2800	40
NEAD030S1	06-34.8924-115.2012-4-59-000	.	.	.	3.1	28	15	16	116	48100	550	19300	8.4	4500	70
NEAD031S1	06-34.8943-115.1715-4-61-000	.	.	.	4.5	21	26	35	87	29700	420	14800	8.8	5000	70
NEAD032S1	06-34.8918-115.1360-4-61-000	.	.	.	2.5	6	14	18	43	15300	300	12600	5.0	-200	30
NEAD033S1	06-34.8906-115.0973-4-59-000	.	.	.	2.7	11	27	16	-10	37400	470	9800	13.8	2800	50
NEAD034S1	06-34.8544-115.1301-4-59-000	.	.	.	3.7	22	36	18	116	36200	490	10100	9.5	4400	50
NEAD035S1	06-34.8334-115.1597-4-59-000	.	.	.	2.6	18	22	20	122	41800	620	17300	5.3	6800	70
NEAD036S1	06-34.8060-115.1086-4-59-000	.	.	.	5.2	22	101	30	191	57600	1210	9300	14.2	12400	100
NEAD037S1	06-34.7975-115.1342-4-59-000	.	.	.	3.5	17	25	36	93	26300	470	8800	11.0	1100	40
NEAD038S1	06-34.7703-115.1051-4-59-000	.	.	.	2.0	16	15	38	118	44900	870	13700	8.5	6100	90
NEAD039S1	06-34.7758-115.1293-4-59-000	.	.	.	3.0	11	8	32	47	24600	390	7900	6.1	3100	40
NEAD040S1	06-34.7712-115.1842-4-59-000	.	.	.	3.3	14	14	36	84	31200	670	M	14.0	5300	70
NEAD041S1	06-34.7863-115.1603-4-59-000	.	.	.	2.7	9	10	34	70	25900	380	9400	10.0	2900	40
NEAD042S1	06-34.7674-115.2154-4-59-000	.	.	.	3.2	10	15	34	17	20600	380	10800	9.4	500	30
NEAD043S1	06-34.7697-115.2407-4-59-000	.	.	.	0.2	1	2	30	M	M	-20	100	-0.1	-200	.
NEAD044S1	06-34.7968-115.2113-4-59-000	.	.	.	2.3	16	16	32	105	34800	750	23900	5.6	6600	90
NEAD045S1	06-34.8184-115.2100-4-59-000	.	.	.	3.8	12	6	25	66	20900	310	12300	8.7	2100	40
NEAD046S1	06-34.8191-115.2419-4-59-000	.	.	.	2.8	18	16	28	43	40800	540	19600	5.6	4400	70
NEAD047S1	06-34.8436-115.1841-4-59-000	.	.	.	4.0	22	24	30	100	32300	470	12400	10.6	3400	60
NEAD048S1	06-34.8733-115.1898-4-59-000	.	.	.	4.4	20	24	32	95	26600	360	12000	7.1	1100	50
NEAD049S1	06-34.8702-115.1139-4-59-000	.	.	.	3.0	12	29	30	101	38800	690	16100	9.8	5600	80
NEAD050S1	06-34.8075-115.0557-4-61-000	.	.	.	M	179	287	76	816	42500	590	8400	15.0	4200	70
NEAD051S1	06-34.7939-115.0212-4-59-000	.	.	.	2.5	13	25	35	103	27900	400	10500	8.3	3000	30
NEAD052S1	06-34.7556-115.0080-4-59-000	.	.	.	1.8	13	11	30	78	32000	500	22600	5.1	5300	70
NEAE001S1	06-34.7676-114.9826-4-59-000	.	.	.	2.2	14	14	30	83	M	350	14500	9.7	5300	60
NEAE002S1	06-34.7952-114.9758-4-59-000	.	.	.	4.0	13	-2	34	136	42300	750	8500	9.1	7900	60
NEAE003S1	06-34.8244-114.9834-4-59-000	.	.	.	4.7	54	66	36	199	73500	1270	17500	7.7	15400	140
NEAE004S1	06-34.8289-114.9518-4-59-000	.	.	.	8.1	28	130	35	152	54200	590	5700	14.5	6000	160
NEAE005S1	06-34.7947-114.9173-4-59-000	.	.	.	3.0	16	22	37	74	28400	440	10100	11.1	2900	40
NEAE006S1	06-34.7651-114.8779-4-59-000	.	.	.	2.2	17	15	32	71	22600	490	15500	6.7	5300	60
NEAE007S1	06-34.7708-114.9539-4-59-000	.	.	.	3.1	14	24	28	103	23400	410	12900	7.5	3400	50
NEAE008S1	06-34.8033-114.8850-4-61-000	.	.	.	3.8	19	14	33	129	36500	600	9900	12.2	1500	50

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEAE009S1	06-34.8187-114.8549-4-61-000	.	.	.	2.9	40	23	40	233	63700	1300	14000	10.9	10100	150
NEAE010S1	06-34.8617-114.9635-4-59-000	.	.	.	2.1	6	16	34	80	31700	630	20300	12.5	5800	70
NEAE011S1	06-34.8915-114.9621-4-59-000	.	.	.	3.1	13	17	32	84	31100	390	11100	7.1	1900	40
NEAE012S1	06-34.9134-114.9826-4-59-000	.	.	.	2.5	16	14	30	61	24700	500	17600	9.0	4400	70
NEAE013S1	06-34.9177-114.9417-4-59-000	.	.	.	4.0	18	-2	32	38	29800	520	12100	5.6	4300	70
NEAE014S1	06-34.9217-114.9132-4-59-000	.	.	.	3.3	21	26	34	129	55000	590	14600	6.8	6400	90
NEAE015S1	06-34.9344-114.8674-4-59-000	.	.	.	6.1	40	71	42	182	67300	790	14300	9.9	7500	130
NEAE016S1	06-34.9373-114.8441-4-59-000	.	.	.	3.8	21	29	42	105	31800	790	16600	9.1	6900	110
NEAE017S1	06-34.9766-114.8315-4-59-000	.	.	.	5.0	23	60	40	145	63400	620	9000	8.3	6300	110
NEAE018S1	06-34.9378-114.8102-4-59-000	.	.	.	5.1	22	53	30	87	35100	540	8100	8.7	5100	70
NEAE019S1	06-34.9154-114.7735-4-59-000	.	.	.	M	10	19	36	53	22400	250	5900	7.8	700	40
NEAE020S1	06-34.8927-114.7627-4-59-000	.	.	.	3.5	13	23	40	85	32700	420	4800	8.3	2600	40
NEAE021S1	06-34.9493-114.9836-4-59-000	.	.	.	M	-2	1	34	-10	M	-20	-100	-0.1	-200	.
NEAE022S1	06-34.9794-114.9816-4-59-000	.	.	.	3.4	14	22	36	78	27600	460	12100	13.3	4700	70
NEAE023S1	06-34.8849-114.9861-4-59-000	.	.	.	4.4	15	48	28	93	45600	590	9800	16.3	3400	60
NEAE024S1	06-34.8570-114.9885-4-59-000	.	.	.	4.7	31	28	48	160	31700	870	21100	14.3	7800	110
NEAE025S1	06-34.9473-114.9590-4-59-000	.	.	.	4.3	20	27	42	108	30700	440	11700	9.7	4900	60
NEAE026S1	06-34.9831-114.9578-4-59-000	.	.	.	2.9	10	25	46	77	29700	440	9000	9.3	3500	50
NEAE027S1	06-34.9784-114.9151-4-59-000	.	.	.	M	-2	1	51	-10	M	-20	-100	-0.2	-200	.
NEAE028S1	06-34.9715-114.8791-4-59-000	.	.	.	4.2	17	33	48	70	36600	580	12400	11.7	5300	90
NEAE029S1	06-34.9679-114.8130-4-59-000	.	.	.	2.7	10	18	38	38	24600	330	5500	10.1	1000	40
NEAE030S1	06-34.8800-114.7961-4-59-000	.	.	.	M	13	29	28	88	37400	640	12800	10.0	6200	80
NEAE031S1	06-34.8671-114.8452-4-59-000	.	.	.	2.3	11	7	26	82	26900	440	8200	10.9	3000	60
NEAE032S1	06-34.8580-114.8802-4-61-000	.	.	.	3.5	15	32	21	74	36000	460	6500	11.9	3600	50
NEAE033S1	06-34.8586-114.9141-4-59-000	.	.	.	7.0	30	113	25	183	54200	690	7200	14.8	5400	70
NEAE034S1	06-34.8318-114.7669-4-61-000	.	.	.	2.2	17	13	50	86	39500	690	12700	6.9	5900	100
NEAE035S1	06-34.8653-114.7566-4-59-000	.	.	.	2.8	9	12	42	66	26600	340	8400	13.8	2200	30
NEAE036S1	06-34.8239-114.8759-4-61-000	.	.	.	2.8	16	19	30	39	35400	780	18000	7.8	5900	90
NEAE037S1	06-34.8574-114.8073-4-61-000	.	.	.	2.9	12	27	40	94	32500	500	11100	9.3	3800	60
NEAE038S1	06-34.7553-114.8342-4-59-000	.	.	.	M	-2	-2	36	-10	M	-20	-100	-0.7	-200	.
NEAE039S1	06-34.7661-114.7957-4-61-000	.	.	.	2.6	9	12	34	49	24300	330	7700	7.6	1200	50
NEAE040S1	06-34.7693-114.7694-4-61-000	.	.	.	3.9	9	29	32	53	20200	380	5800	11.8	3300	50
NEAE041S1	06-34.7824-114.8984-4-61-000	.	.	.	3.0	11	20	30	86	20800	530	12800	10.2	3300	40
NEAE042S1	06-34.8126-114.9359-4-59-000	.	.	.	14.4	162	307	38	704	97000	1020	7500	16.4	10200	160
NEAE043S1	06-34.8867-114.9169-4-61-000	.	.	.	M	-2	-2	14	M	M	-20	-100	M	-200	.
NEAE044S1	06-34.8848-114.8841-4-61-000	.	.	.	2.6	7	57	24	102	31400	690	8200	19.5	5300	80
NEAE045S1	06-34.8878-114.8476-4- -000	.	.	.	1.1	3	5	22	49	18700	1260	10900	9.9	1200	20
NEAE046S1	06-34.8893-114.8355-4-61-000	.	.	.	M	-2	-2	24	-10	M	-20	-100	-0.1	-200	.
NEAE047S1	06-34.9206-114.8810-4-61-000	.	.	.	4.9	17	62	28	90	40100	460	8300	8.5	4300	100
NEAE048S1	06-34.9156-114.8521-4-59-000	.	.	.	4.1	14	38	32	94	36400	450	8700	11.3	3400	50
NEAE049S1	06-34.9053-114.8204-4-61-000	.	.	.	2.8	19	19	26	76	53600	720	16800	18.0	6000	110
NEAE050S1	06-34.8983-114.7955-4-61-000	.	.	.	3.7	15	39	22	87	38800	440	8900	9.7	3400	50
NEAE051S1	06-34.9352-114.7837-4-59-000	.	.	.	3.9	15	16	38	69	33500	560	13800	8.9	5600	80
NEAF001S1	06-34.8557-114.6100-4-59-000	.	.	.	1.4	-2	7	10	M	10900	180	3900	2.1	-200	20
NEAF002S1	06-34.8520-114.5863-4-59-000	.	.	.	1.4	3	5	10	29	10300	250	4800	2.4	1500	30
NEAF003S1	06-34.8519-114.5447-4-61-000	.	.	.	1.7	7	4	10	-10	13400	270	5100	5.9	2200	40
NEAF004S1	06-34.8532-114.5174-4-61-000	.	.	.	2.4	12	9	15	68	28600	1990	M	5.3	-200	60
NEAF005S1	06-34.8251-114.5053-4-59-000	.	.	.	3.0	8	13	15	48	31100	510	M	8.0	3000	-10
NEAF006S1	06-34.7984-114.5046-4-59-000	.	.	.	2.8	8	21	15	36	20100	220	4800	3.5	2200	40
NEAF007S1	06-34.8249-114.6137-4-61-000	.	.	.	3.8	15	28	10	67	24600	420	6400	4.0	3700	60
NEAF008S1	06-34.8251-114.5773-4-59-000	.	.	.	2.8	8	22	5	37	16300	220	3000	4.5	1300	20
NEAF009S1	06-34.8137-114.5645-4-59-000	.	.	.	4.4	8	44	5	29	10000	240	1500	5.6	2100	30
NEAF010S1	06-34.7962-114.5622-4-59-000	.	.	.	1.6	4	11	10	22	2800	120	2400	1.7	600	10
NEAF011S1	06-34.7685-114.5499-4-59-000	.	.	.	2.3	6	18	5	30	9700	240	4000	2.7	1800	30
NEAF012S1	06-34.7556-114.5323-4-59-000	.	.	.	2.2	6	15	10	24	9900	590	-100	1.9	200	30



TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEAF013S1	06-34.7919-114.5868-4-61-000	.	.	.	2.5	6	13	10	23	17700	270	5700	5.7	1100	30
NEAF014S1	06-34.7650-114.5772-4-61-000	.	.	.	4.5	16	34	12	78	47300	680	6600	7.5	5400	60
NEAF015S1	06-34.7683-114.6135-4-61-000	.	.	.	3.2	11	16	12	70	31700	600	8600	8.6	4700	50
NEAF016S1	06-34.7959-114.6084-4-61-000	.	.	.	2.0	-2	8	10	-10	6600	200	5400	4.5	1000	20
NEAF017S1	06-34.7593-114.6487-4-61-000	.	.	.	3.6	18	33	10	36	48300	730	9400	8.1	6300	130
NEAF018S1	06-34.7520-114.6654-4-61-000	.	.	.	2.6	9	15	18	69	25500	480	8800	14.3	3000	60
NEAF019S1	06-34.8234-114.6487-4-61-000	.	.	.	M	-2	-2	12	M	M	-20	-100	-0.4	-200	.
NEAF020S1	06-34.8160-114.6771-4-61-000	.	.	.	4.5	19	38	12	71	32700	340	5800	11.5	1700	70
NEAF021S1	06-34.8058-114.6593-4-59-000	.	.	.	3.2	12	25	16	70	23400	420	7800	10.3	3300	40
NEAF022S1	06-34.7925-114.6787-4-59-000	.	.	.	2.6	14	15	14	98	38600	530	9800	6.9	4000	70
NEAF023S1	06-34.7852-114.7167-4-61-000	.	.	.	3.1	8	15	5	69	23900	480	11700	13.7	4600	90
NEAF024S1	06-34.7791-114.7289-4-61-000	.	.	.	2.2	10	7	5	66	18000	340	7300	8.4	1000	30
NEAF025S1	06-34.7843-114.7416-4-61-000	.	.	.	2.0	11	10	5	72	45700	950	19200	13.3	6900	110
NEAF026S1	06-34.7711-114.7474-4-61-000	.	.	.	2.2	9	11	10	60	30300	480	9600	9.8	2800	50
NEAF027S1	06-34.8511-114.6431-4-61-000	.	.	.	4.8	18	34	30	95	32000	460	8500	9.7	4000	60
NEAF028S1	06-34.8476-114.6739-4-61-000	.	.	.	2.7	10	16	35	61	26500	480	12500	8.0	3800	60
NEAF029S1	06-34.8360-114.6982-4-61-000	.	.	.	2.2	7	15	40	52	31800	460	10700	10.6	3100	50
NEAF030S1	06-34.8516-114.7014-4-61-000	.	.	.	2.5	7	15	32	50	31500	440	10300	9.3	2500	40
NEAF031S1	05-34.8802-114.6859-4-61-000	.	.	.	5.3	37	61	35	227	115200	1310	11300	11.8	12200	230
NEAF032S1	06-34.8613-114.7378-4-61-000	.	.	.	2.4	12	15	35	49	32000	500	10000	5.1	4000	60
NEAF033S1	06-34.8813-114.7175-4-61-000	.	.	.	3.7	17	32	40	91	35800	510	7600	8.0	2000	80
NEAF034S1	06-34.8783-114.7384-4-61-000	.	.	.	2.3	14	15	40	84	45000	580	11500	6.1	5500	90
NEAF035S1	06-34.8896-114.6466-4-61-000	.	.	.	3.8	20	33	70	65	32000	420	6700	8.7	2900	70
NEAF036S1	06-34.9221-114.6511-4-61-000	.	.	.	3.6	18	21	70	94	38100	830	15700	8.5	7600	110
NEAF037S1	06-34.9189-114.6760-4-61-000	.	.	.	2.3	8	3	70	55	21200	600	-100	6.9	-200	-10
NEAF038S1	06-34.9469-114.6482-4-59-000	.	.	.	1.5	4	10	65	28	8500	240	4000	2.2	1600	30
NEAF039S1	06-34.9521-114.6780-4-61-000	.	.	.	1.7	5	13	78	83	29900	420	11400	3.4	3300	50
NEAF040S1	06-34.9771-114.7185-4-61-000	.	.	.	2.0	4	10	90	47	13500	270	8100	5.1	700	30
NEAF041S1	06-34.9753-114.6725-4-61-000	.	.	.	3.6	10	15	70	80	33400	480	7300	5.4	3800	80
NEAF042S1	06-34.9810-114.6500-4-59-000	.	.	.	1.9	9	6	75	17	14200	270	5100	5.3	1700	30
NEAF043S1	06-34.9426-114.7094-4-61-000	.	.	.	M	1	-2	98	M	M	-20	-100	-0.1	-200	.
NEAF044S1	06-34.8957-114.5978-4-59-000	.	.	.	1.5	7	7	35	33	11700	280	6100	2.7	1800	30
NEAF045S1	06-34.9118-114.6006-4-59-000	.	.	.	1.8	2	5	30	11	12300	260	5500	3.0	1600	30
NEAF046S1	06-34.9521-114.5977-4-59-000	.	.	.	1.6	5	4	50	M	13800	300	7100	2.9	2400	30
NEAF047S1	06-34.9889-114.5978-4-61-000	.	.	.	2.1	5	12	45	46	11100	210	5200	5.1	1300	20
NEAF048S1	06-34.9668-114.5648-4-59-000	.	.	.	2.2	11	12	50	75	27900	360	8700	4.1	3500	60
NEAF049S1	06-34.9747-114.5311-4-61-000	.	.	.	2.7	9	9	50	61	21600	280	6100	6.0	2000	40
NEAF050S1	06-34.9792-114.5076-4-59-000	.	.	.	3.5	7	34	50	67	48600	490	5400	10.3	5200	110
NEAF051S1	06-34.9540-114.5706-4-59-000	.	.	.	1.8	15	5	45	-10	17400	270	5400	4.6	1500	40
NEAF052S1	06-34.9379-114.5490-4-61-000	.	.	.	1.9	4	7	40	41	14000	230	6100	7.9	700	20
NEAF053S1	06-34.9086-114.5370-4-61-000	.	.	.	3.1	9	16	35	58	37800	460	6400	4.6	3700	80
NEAF054S1	06-34.9297-114.5127-4-61-000	.	.	.	2.4	10	14	45	73	28400	480	8200	5.5	4600	100
NEAF055S1	06-34.9381-114.5014-4-59-000	.	.	.	2.5	15	13	50	65	40500	460	7900	3.0	3800	70
NEAF056S1	06-34.8981-114.5243-4-61-000	.	.	.	2.4	9	17	40	45	16800	260	4900	5.1	2500	50
NEAF057S1	06-34.8848-114.5165-4-61-000	.	.	.	3.4	13	29	40	87	43900	520	5400	7.4	5000	110
NEAF058S1	06-34.9089-114.5714-4-59-000	.	.	.	2.6	5	6	40	-10	14500	290	4000	7.4	1300	30
NEAF059S1	06-34.8873-114.5786-4-59-000	.	.	.	2.2	11	11	35	45	33400	360	6200	3.2	3200	60
NEAG001S1	04-34.7675-114.4762-4-61-000	.	.	.	4.4	8	35	35	46	29600	370	4300	8.2	3600	70
NEAG002S1	04-34.7933-114.4977-4-61-000	.	.	.	1.7	4	3	25	13	8500	160	4900	5.7	900	20
NEAG003S1	04-34.7837-114.4631-4-61-000	.	.	.	2.4	7	15	25	37	20400	250	5100	5.1	2000	40
NEAG004S1	04-34.7729-114.4313-4-61-000	.	.	.	2.4	5	12	35	36	16900	310	6300	12.0	2100	40
NEAG005S1	04-34.7640-114.3895-4-61-000	.	.	.	1.8	8	-2	50	M	18900	430	M	6.1	2600	40
NEAG006S1	04-34.7950-114.4095-4-61-000	.	.	.	1.8	9	-11	30	55	42800	490	8800	16.7	3700	90
NEAG007S1	04-34.8216-114.4201-4-61-000	.	.	.	M	9	13	35	39	29600	390	6200	10.3	2600	50
NEAG008S1	04-34.8447-114.4267-4-61-000	.	.	.	2.7	23	20	30	126	74500	810	8000	6.7	7100	170

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEAG00951	04-34.8713-114.4388-4-61-000	.	.	.	2.3	7	12	40	47	19900	320	7300	6.6	1100	40
NEAG01051	04-34.8967-114.4491-4-61-000	.	.	.	1.9	6	9	55	43	16000	220	6900	10.9	1500	20
NEAG01151	04-34.9036-114.4869-4-61-000	.	.	.	2.1	10	13	45	55	43300	550	8200	6.9	4700	120
NEAG01251	04-34.8385-114.4599-4-61-000	.	.	.	2.4	10	16	30	69	24900	340	7000	6.9	2900	60
NEAG01351	04-34.8183-114.4657-4-61-000	.	.	.	2.5	4	15	40	25	M	370	7700	5.6	2500	50
NEAG01451	04-34.8995-114.4130-4-61-000	.	.	.	2.5	9	9	95	52	22000	350	12100	4.1	2900	40
NEAG01551	04-34.9019-114.3704-4-61-000	.	.	.	2.0	9	10	135	55	23000	370	7800	9.2	3000	60
NEAG01651	04-34.9374-114.4178-4-61-000	.	.	.	1.9	9	10	120	108	38700	870	15600	6.7	7500	150
NEAG01751	04-34.9320-114.3831-4-61-000	.	.	.	1.9	7	6	120	61	41500	600	7200	10.9	3300	70
NEAG01851	04-34.9574-114.4136-4-61-000	.	.	.	2.2	5	13	90	49	37500	570	7600	7.8	4100	90
NEAG01951	04-34.9606-114.3778-4-61-000	.	.	.	2.1	12	7	120	99	38900	840	12800	9.4	5800	100
NEAG02051	04-34.9913-114.4141-4-61-000	.	.	.	2.7	9	12	135	64	21700	380	7400	10.8	4000	80
NEAG02151	04-34.9820-114.3854-4-61-000	.	.	.	2.0	7	13	145	83	45200	640	7400	11.1	1200	70
NEAG02251	04-34.9598-114.4542-4-61-000	.	.	.	2.0	7	8	150	67	21300	440	12900	6.3	3000	50
NEAG02351	04-34.9396-114.4984-4-61-000	.	.	.	1.1	7	4	105	42	20400	250	7400	1.5	2300	30
NEAG02451	04-34.9309-114.4601-4-61-000	.	.	.	1.7	6	8	90	47	28300	560	9600	4.0	5700	100
NEAG02551	04-34.9865-114.4832-4-61-000	.	.	.	2.4	5	13	120	38	23300	280	7200	7.4	1900	30
NEAG02651	04-34.9942-114.4460-4-61-000	.	.	.	2.1	6	14	135	59	23300	450	9100	5.7	2700	50
NEAG02751	04-34.7653-114.3636-4-61-000	.	.	.	M	-2	-2	150	-10	M	-20	-100	-0.4	-200	.
NEAG02851	04-34.7641-114.3318-4-61-000	.	.	.	3.4	11	14	140	63	41300	550	5700	6.1	-200	130
NEAG02951	04-34.7629-114.3127-4-61-000	.	.	.	2.8	13	18	140	67	26800	370	6500	11.5	3100	50
NEAG03051	04-34.7942-114.3536-4-61-000	.	.	.	2.6	9	11	120	59	27100	460	9400	9.5	3800	70
NEAG03151	04-34.7987-114.3241-4-61-000	.	.	.	3.4	10	10	135	67	34200	400	9000	11.0	4100	70
NEAG03251	04-34.8178-114.3300-4-61-000	.	.	.	2.8	10	24	140	80	46300	710	7000	12.4	5100	80
NEAG03351	04-34.8202-114.3530-4-61-000	.	.	.	2.5	15	17	85	75	50200	790	8800	11.7	7300	140
NEAG03451	04-34.859-114.459-000	.	.	.	5.8	10	11	50	34	19600	290	5300	7.5	2200	40
NEAG03551	04-34.8544-114.3261-4-61-000	.	.	.	1.9	4	4	60	48	17300	280	5700	5.6	1400	30
NEAG03651	04-34.8785-114.3154-4-61-000	.	.	.	1.8	9	14	85	58	32500	690	12700	8.0	3900	80
NEAG03751	04-34.8897-114.2914-4-61-000	.	.	.	2.4	10	9	60	47	26200	460	10000	7.9	6800	60
NEAG03851	04-34.9023-114.3040-4-59-000	.	.	.	2.0	8	12	50	45	34500	730	11100	10.5	4700	100
NEAG03951	04-34.9185-114.3209-4-61-000	.	.	.	1.5	7	5	80	41	43700	620	10800	10.8	4800	90
NEAG04051	04-34.9206-114.2981-4-61-000	.	.	.	2.0	8	11	65	76	40500	670	12800	13.9	5600	110
NEAG04151	04-34.9682-114.4731-4-61-000	.	.	.	1.6	6	9	150	65	25300	520	13000	6.6	3900	70
NEAG04251	04-34.7679-114.2707-4-61-000	.	.	.	3.0	12	11	155	69	23900	470	10100	10.7	3400	60
NEAG04351	04-34.7936-114.2732-4-61-000	.	.	.	3.3	11	15	150	76	20100	400	7800	10.3	3000	50
NEAG04451	04-34.8132-114.2660-4-61-000	.	.	.	3.2	7	12	170	79	20700	290	2700	8.4	1200	30
NEAG04551	04-34.8270-114.2762-4-61-000	.	.	.	2.7	13	15	85	82	59600	940	M	7.7	8700	80
NEAG04651	04-34.8506-114.2630-4-61-000	.	.	.	6.8	28	52	160	222	78200	1050	5600	14.7	8700	140
NEAG04751	04-34.8505-114.2894-4-61-000	.	.	.	3.1	24	24	150	246	72600	1170	10700	13.8	8900	170
NEAH00151	04-34.8164-114.2015-4-61-000	.	.	.	2.6	13	7	50	53	21800	350	7000	13.0	900	40
NEAH00251	04-34.7736-114.2051-4-61-000	.	.	.	4.7	13	10	50	66	45100	680	7900	9.9	4800	120
NEAH00351	04-34.7580-114.2291-4-61-000	.	.	.	M	15	17	45	56	40500	650	9300	12.2	4100	80
NEAH00451	04-34.8018-114.1776-4-61-000	.	.	.	2.7	33	12	50	131	53900	850	13300	11.3	6900	110
NEAH00551	04-34.7803-114.1579-4-61-000	.	.	.	8.3	28	36	50	91	22900	350	7800	11.8	2100	50
NEAH00651	04-34.7540-114.1683-4-61-000	.	.	.	13.6	70	70	129	46900	550	6100	12.2	5000	70	
NEAH00751	04-34.7691-114.1261-4-61-000	.	.	.	9.7	55	32	65	130	43200	600	12600	12.0	5300	100
NEAH00851	04-34.7926-114.1236-4-59-000	.	.	.	8.0	37	32	75	51	30200	330	8900	11.4	2900	50
NEAH00951	04-34.7668-114.0798-4-61-000	.	.	.	3.4	12	27	75	83	39000	520	5600	14.9	3600	80
NEAH01051	04-34.7537-114.0361-4-61-000	.	.	.	22.2	241	79	110	351	51800	670	13200	9.7	7200	80
NEAH01151	04-34.8010-114.0883-4-61-000	.	.	.	24.9	98	114	95	137	82900	450	5700	12.3	2700	130
NEAH01251	04-34.8170-114.1231-4-61-000	.	.	.	6.9	32	41	65	77	40800	320	6600	8.0	1400	40
NEAH01351	04-34.8276-114.1044-4-61-000	.	.	.	2.8	22	11	55	82	32500	500	12900	7.6	4700	60
NEAH01451	04-34.8489-114.1074-4-61-000	.	.	.	4.2	18	14	55	78	31200	480	16100	5.6	4300	50
NEAH01551	04-34.8667-114.0814-4-61-000	.	.	.	7.9	25	-2	40	60	24000	370	12200	10.0	2800	40
NEAH01651	04-34.8171-114.0635-4-61-000	.	.	.	5.7	42	32	75	97	46600	520	15400	6.1	5800	100

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEAH0175I	04-34.7872-114.0099-4-61-000	.	.	.	10.2	39	40	80	78	28400	340	9200	12.7	3400	60
NEAH0185I	04-34.8047-114.0414-4-61-000	.	.	.	6.6	26	13	65	79	21100	270	8600	11.5	2100	20
NEAH0195I	04-34.8427-114.0699-4-61-000	.	.	.	10.3	67	63	95	171	93200	690	11700	19.1	9400	130
NEAH0205I	04-34.8487-114.0144-4-61-000	.	.	.	18.4	59	97	70	148	95100	470	5600	18.1	3100	120
NEAH0215I	04-34.8287-114.0191-4-61-000	.	.	.	M	25	33	95	74	29600	290	7900	14.1	3100	40
NEAH0225I	04-34.8676-114.0256-4-61-000	.	.	.	6.8	54	28	35	74	43500	420	16400	7.9	4000	60
NEAH0235I	04-34.8974-114.0219-4-61-000	.	.	.	4.5	23	17	30	44	19600	280	14700	8.7	2300	30
NEAH0245I	04-34.8964-114.0555-4-61-000	.	.	.	2.8	11	14	30	20	14100	230	11000	11.0	900	20
NEAH0255I	04-34.8920-114.0925-4-61-000	.	.	.	4.0	27	19	35	43	32100	460	17600	6.1	5200	70
NEAH0265I	04-34.8956-114.1152-4-61-000	.	.	.	4.9	40	49	40	72	37800	420	7500	10.4	8600	60
NEAH0275I	04-34.9256-114.1096-4-61-000	.	.	.	20.0	99	78	45	159	33200	390	8400	13.9	3800	30
NEAH0285I	04-34.9210-114.0729-4-61-000	.	.	.	4.6	22	19	50	52	37500	410	14500	8.9	3600	60
NEAH0295I	04-34.9291-114.0416-4-61-000	.	.	.	3.0	6	8	50	38	28200	450	14500	10.1	2300	50
NEAH0305I	04-34.9193-114.1462-4-59-000	.	.	.	3.0	12	11	35	32	22800	200	5800	7.3	1300	20
NEAH0315I	04-34.9620-114.1235-4-61-000	.	.	.	5.3	39	21	50	101	41200	590	10100	8.5	4000	70
NEAH0325I	04-34.9423-114.0926-4-61-000	.	.	.	14.6	48	34	55	80	22500	350	9200	11.5	2800	40
NEAH0335I	04-34.9536-114.0532-4-61-000	.	.	.	3.1	8	9	55	28	25100	340	10500	8.9	900	30
NEAH0345I	04-34.9724-114.0285-4-61-000	.	.	.	33.9	283	131	70	442	131700	2130	16500	12.3	13700	160
NEAH0355I	04-34.9482-114.0229-4-61-000	.	.	.	5.9	16	24	55	42	25900	370	8400	16.9	2300	40
NEAH0365I	04-34.9635-114.0896-4-61-000	.	.	.	4.9	12	19	40	29	15000	280	7900	10.3	1400	20
NEAH0375I	04-34.9802-114.0883-4-61-000	.	.	.	2.6	5	-2	40	14	17300	310	9600	6.4	1600	30
NEAH0385I	04-34.9974-114.0865-4-61-000	.	.	.	5.6	21	-2	35	24	25300	530	8800	15.9	2700	30
NEAH0395I	04-34.9866-114.1327-4-61-000	.	.	.	4.3	13	16	35	46	19200	420	6900	13.7	2800	40
NEAH0405I	04-34.9422-114.1578-4-61-000	.	.	.	6.4	19	27	40	40	35300	690	7700	13.1	3400	30
NEAH0415I	04-34.9108-114.1639-4-61-000	.	.	.	6.0	49	30	50	80	56800	880	14600	7.7	8700	140
NEAH0425I	04-34.8214-114.1549-4-61-000	.	.	.	M	10	11	55	39	11900	230	8400	7.2	1100	20
NEAH0435I	04-34.8495-114.1581-4-61-000	.	.	.	21.4	41	27	45	78	33400	440	9000	8.0	3100	60
NEAH0445I	04-34.8483-114.1844-4-61-000	.	.	.	4.0	20	41	60	94	34200	460	8000	12.1	2800	40
NEAH0455I	04-34.8731-114.1814-4-61-000	.	.	.	2.9	10	13	45	58	23300	350	7800	8.0	2000	30
NEAH0465I	04-34.8793-114.1548-4-61-000	.	.	.	3.3	9	4	40	31	22700	240	9700	5.8	500	10
NEAH0475I	04-34.9112-114.1855-4-61-000	.	.	.	2.0	8	6	55	M	M	450	14300	6.1	3200	50
NEAH0485I	04-34.9680-114.1566-4-61-000	.	.	.	5.8	27	23	45	59	33800	630	7400	13.2	3200	40
NEAH0495I	04-34.9579-114.1848-4-61-000	.	.	.	2.8	19	14	50	44	34400	790	M	5.3	5200	40
NEAH0505I	04-34.9280-114.1921-4-61-000	.	.	.	5.6	26	33	45	110	58500	910	10700	17.1	6700	140
NEAH0515I	04-34.9250-114.2212-4-61-000	.	.	.	1.5	5	10	50	46	56400	910	9200	20.1	4300	110
NEBA0015I	06-34.5638-115.7849-4-59-000	.	.	.	2.0	11	7	35	56	23700	430	17300	7.3	3100	60
NEBA0025I	06-34.5714-115.8212-4-59-000	.	.	.	4.1	15	14	25	64	33000	470	15500	9.7	4200	80
NEBA0035I	06-34.5766-115.8463-4-59-000	.	.	.	2.3	14	7	30	42	22800	2080	M	5.4	M	40
NEBA0045I	06-34.5859-115.8297-4-59-000	.	.	.	2.7	9	9	40	37	21700	310	13100	11.2	800	60
NEBA0055I	06-34.5813-115.8012-4-59-000	.	.	.	3.3	11	15	40	55	22300	350	12400	9.0	2800	50
NEBA0065I	06-34.6211-115.8578-4-61-000	.	.	.	2.8	17	8	25	58	33500	550	19200	4.8	4400	90
NEBA0075I	06-34.6283-115.8775-4-61-000	.	.	.	4.4	23	18	30	92	24900	400	13700	9.1	1500	70
NEBA0085I	06-34.6014-115.8553-4-59-000	.	.	.	3.8	19	15	30	63	28900	360	12600	10.7	2700	50
NEBA0095I	06-34.6299-115.8210-4-61-000	.	.	.	3.8	28	19	25	81	54100	600	15900	10.3	6500	110
NEBA0105I	06-34.6649-115.7993-4-61-000	.	.	.	3.0	12	13	50	72	32800	370	11700	8.7	1800	70
NEBA0115I	06-34.6753-115.7909-4-61-000	.	.	.	0.1	-2	-2	50	23	M	-20	100	-0.2	-200	.
NEBA0125I	06-34.6462-115.8311-4-61-000	.	.	.	2.9	10	13	40	61	29200	410	10700	8.7	2000	40
NEBA0135I	06-34.6762-115.8302-4-61-000	.	.	.	3.0	7	10	30	56	25300	380	9600	4.2	2100	40
NEBA0145I	06-34.7096-115.8237-4-61-000	.	.	.	2.8	8	12	30	42	19800	370	15400	9.4	3600	50
NEBA0155I	06-34.7051-115.8568-4-61-000	.	.	.	1.8	14	6	30	84	28300	560	22500	4.6	5000	90
NEBA0165I	06-34.6860-115.8512-4-59-000	.	.	.	3.1	11	12	30	48	20500	280	7600	13.2	2000	40
NEBA0175I	06-34.6867-115.8906-4-61-000	.	.	.	2.3	7	4	35	58	23300	330	14500	5.9	2100	30
NEBA0185I	06-34.6991-115.9346-4-59-000	.	.	.	2.6	7	6	30	35	17400	350	13700	5.6	2900	60
NEBA0195I	06-34.7203-115.9286-4-61-000	.	.	.	2.7	9	10	30	39	18600	350	11100	7.1	2100	40
NEBA0205I	06-34.7303-115.9018-4-59-000	.	.	.	2.7	15	8	35	106	34000	390	14600	3.4	2100	40

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEBA02151	06-34.7253-115.9715-4-61-000	.	.	.	3.0	18	12	30	-10	33500	500	17300	6.8	5400	70
NEBA02251	06-34.7357-115.8845-4-59-000	.	.	.	4.5	17	26	30	75	93300	2010	13200	11.0	28700	370
NEBA02351	06-34.7353-115.8498-4-59-000	.	.	.	2.5	13	7	25	45	22600	350	11600	8.8	2400	50
NEBA02451	06-34.7368-115.8171-4-59-000	.	.	.	3.5	12	22	20	40	27400	340	11400	9.2	1100	30
NEBA02551	06-34.7408-115.7816-4-61-000	.	.	.	3.2	12	7	35	60	31800	650	19700	8.1	5200	90
NEBA02651	06-34.7464-115.7550-4-61-000	.	.	.	2.7	10	5	25	38	22700	340	12800	5.6	2000	50
NEBA02751	06-34.5744-115.8941-4-59-000	.	.	.	3.2	15	10	35	72	24900	290	14100	7.2	1800	30
NEBA02851	06-34.5647-115.9122-4-61-000	.	.	.	2.3	8	7	30	41	18000	340	15400	6.7	2300	40
NEBA02951	06-34.5880-115.8966-4-59-000	.	.	.	2.8	28	12	40	180	46800	560	18700	11.5	5500	90
NEBA03051	06-34.5956-115.9286-4-59-000	.	.	.	M	14	13	40	M	14500	290	11300	15.0	2400	40
NEBA03151	06-34.6081-115.9510-4-59-000	.	.	.	3.1	12	11	25	43	25600	310	11600	8.8	2400	40
NEBA03251	06-34.6299-115.9627-4-59-000	.	.	.	3.3	13	14	30	39	26400	410	9700	9.9	3800	80
NEBA03351	06-34.6634-115.9402-4-61-000	.	.	.	3.0	11	20	25	52	31800	420	5600	10.7	1400	40
NEBA03451	06-34.6463-115.9750-4-59-000	.	.	.	5.8	22	26	30	86	47700	570	9800	11.9	5700	100
NEBA03551	06-34.6787-115.9770-4-59-000	.	.	.	2.8	10	14	40	60	18800	390	5800	9.0	2100	30
NEBA03651	06-34.5217-115.9941-4-59-000	.	.	.	2.0	10	5	25	20	29300	570	18200	5.1	5100	80
NEBA03751	06-34.5218-115.9686-4-59-000	.	.	.	2.8	11	10	30	50	23200	460	15300	8.1	3400	70
NEBA03851	06-34.5228-115.9469-4-59-000	.	.	.	2.1	8	6	34	49	18800	460	14000	11.7	2500	40
NEBA03951	06-34.5212-115.9252-4-59-000	.	.	.	2.6	14	9	24	59	31000	580	18200	8.2	5000	90
NEBA04051	06-34.5070-115.9027-4-59-000	.	.	.	1.6	5	5	22	41	25000	460	26100	7.6	3000	30
NEBA04151	06-34.5598-115.8797-4-59-000	.	.	.	3.3	13	11	30	44	23500	350	16500	7.0	2300	40
NEBA04251	06-34.5391-115.8778-4-59-000	.	.	.	1.7	8	8	32	47	30600	540	31000	6.5	5500	70
NEBA04351	06-34.5158-115.8828-4-59-000	.	.	.	1.4	3	-2	22	-10	12700	320	19100	9.2	1300	20
NEBA04451	06-34.5005-115.8846-4-59-000	.	.	.	1.9	9	6	28	49	25700	560	29700	7.9	4200	50
NEBB00151	06-34.5632-115.5069-4-59-000	.	.	.	3.8	24	14	100	81	26100	330	11700	11.5	2600	40
NEBB00251	06-34.5720-115.5271-4-59-000	.	.	.	3.8	13	19	90	71	20700	310	8900	10.3	2400	50
NEBB00351	06-34.5847-115.5331-4-59-000	.	.	.	M	15	13	85	57	16400	320	11900	9.9	2300	30
NEBB00451	06-34.5357-115.5067-4-59-000	.	.	.	5.0	68	27	80	150	46500	780	23200	7.6	6500	110
NEBB00551	06-34.5413-115.5294-4-59-000	.	.	.	3.9	17	21	60	-10	26900	480	14200	8.2	2900	80
NEBB00651	06-34.5882-115.5573-4-59-000	.	.	.	3.7	19	20	60	73	26600	350	13300	13.3	2800	40
NEBB00751	06-34.5604-115.5709-4-59-000	.	.	.	2.1	11	9	60	54	29400	540	22800	5.5	4800	70
NEBB00851	06-34.5599-115.6070-4-59-000	.	.	.	3.4	14	17	56	73	23800	320	11600	9.4	3900	50
NEBB00951	06-34.5604-115.6785-4-59-000	.	.	.	3.2	19	20	60	79	44000	540	17700	7.4	4000	80
NEBB01051	06-34.5601-115.7200-4-59-000	.	.	.	3.3	11	15	70	56	18300	290	9600	8.8	2300	40
NEBB01151	06-34.5583-115.7373-4-59-000	.	.	.	3.6	20	18	76	92	37800	350	11300	9.8	3600	70
NEBB01251	06-34.5337-115.7425-4-59-000	.	.	.	3.2	9	7	50	54	22900	320	10000	6.1	2400	50
NEBB01351	06-34.5096-115.7430-4-59-000	.	.	.	2.2	7	8	52	28	17700	290	17600	6.1	2000	30
NEBB01451	06-34.5457-115.7120-4-59-000	.	.	.	0.1	-2	-2	30	-10	M	-20	-100	-0.5	-200	-10
NEBB01551	06-34.5294-115.6942-4-59-000	.	.	.	3.1	11	12	46	45	12700	230	11400	8.5	1600	20
NEBB01651	06-34.5071-115.7101-4-59-000	.	.	.	4.8	11	8	48	64	20100	340	20000	5.2	3200	40
NEBB01751	06-34.5037-115.6948-4-59-000	.	.	.	5.3	16	20	40	80	23000	400	15300	5.9	3200	60
NEBB01851	06-34.5294-115.6440-4-59-000	.	.	.	2.4	14	8	60	85	32400	550	16300	5.3	3500	70
NEBB01951	06-34.5160-115.6445-4-59-000	.	.	.	3.3	12	7	56	60	38100	700	16200	10.9	11500	80
NEBB02051	06-34.5259-115.6050-4-59-000	.	.	.	2.8	21	14	50	75	33400	490	19500	6.2	3500	70
NEBB02151	06-34.5132-115.6040-4-59-000	.	.	.	3.5	11	14	50	83	20100	400	12700	9.8	2100	40
NEBB02251	06-34.5226-115.5614-4-59-000	.	.	.	2.2	16	9	48	88	27900	490	25800	6.1	4300	60
NEBB02351	06-34.5094-115.5612-4-59-000	.	.	.	2.7	12	13	50	70	22200	430	20700	10.9	3500	50
NEBB02451	06-34.5198-115.5337-4-59-000	.	.	.	3.6	7	10	44	55	16900	270	10800	5.7	800	30
NEBB02551	06-34.5163-115.5048-4-59-000	.	.	.	2.3	23	14	54	89	30300	590	26900	4.4	5100	90
NEBB02651	06-34.5806-115.7226-4-61-000	.	.	.	3.7	13	23	68	59	34000	380	12500	10.9	3400	60
NEBB02751	06-34.5798-115.7426-4-59-000	.	.	.	3.5	12	18	70	65	30600	330	9900	10.1	1500	50
NEBB02851	06-34.5684-115.6409-4-59-000	.	.	.	M	-2	2	48	M	M	-20	-100	-0.3	-200	-10
NEBB02951	06-34.5914-115.6459-4-59-000	.	.	.	2.8	14	16	29	78	26200	330	14000	9.8	2800	40
NEBB03051	06-34.6137-115.6588-4-59-000	.	.	.	2.8	12	9	62	69	23100	330	14200	6.0	2500	30
NEBB03151	06-34.6341-115.6710-4-59-000	.	.	.	1.8	14	10	40	88	29400	360	23300	6.1	2400	50

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	TI PPM	V PPM
NEBB0325I	06-34.6417-115.6592-4-59-000	.	.	.	2.2	27	8	40	94	41600	590	29000	5.0	5900	90
NEBB0335I	06-34.6567-115.6785-4-59-000	.	.	.	2.3	18	9	40	52	31000	570	22000	6.8	5000	70
NEBB0345I	06-34.6801-115.6790-4-59-000	.	.	.	2.7	18	9	48	54	28900	490	20300	9.8	4800	60
NEBB0355I	06-34.7041-115.6778-4-59-000	.	.	.	0.1	2	-2	42	-10	M	-20	100	0.8	-200	.
NEBB0365I	06-34.7250-115.6674-4-59-000	.	.	.	1.9	20	12	42	71	28000	450	21000	5.2	3900	50
NEBB0375I	06-34.7449-115.6544-4-59-000	.	.	.	2.3	11	8	44	45	20400	230	12700	7.1	2100	30
NEBB0385I	06-34.7299-115.6877-4-59-000	.	.	.	2.4	10	8	50	61	18300	280	12500	8.2	3200	30
NEBB0395I	06-34.7230-115.7119-4-59-000	.	.	.	4.5	27	19	52	90	47900	540	15700	9.0	3500	60
NEBB0405I	06-34.7327-115.7141-4-59-000	.	.	.	2.5	18	10	56	70	30200	690	26200	5.1	5500	90
NEBB0415I	06-34.7119-115.7364-4-59-000	.	.	.	5.5	32	26	52	95	43500	530	13100	7.4	5100	90
NEBB0425I	06-34.6914-115.7200-4-59-000	.	.	.	2.0	7	6	48	51	18400	220	11900	7.0	1400	20
NEBB0435I	06-34.6862-115.7385-4-59-000	.	.	.	3.1	22	20	42	73	31500	550	24100	8.1	5600	80
NEBB0445I	06-34.5825-115.6234-4-59-000	.	.	.	2.6	13	6	52	63	18100	290	12800	5.6	2700	30
NEBB0455I	06-34.6664-115.6979-4-59-000	.	.	.	2.6	15	10	40	72	22100	300	15000	3.9	700	20
NEBB0465I	06-34.7026-115.6481-4-59-000	.	.	.	2.1	9	5	46	33	25900	610	21900	4.7	5100	80
NEBB0475I	06-34.6979-115.6083-4-59-000	.	.	.	3.8	15	12	40	58	21700	290	9700	8.6	1900	50
NEBB0485I	06-34.6885-115.5719-4-59-000	.	.	.	25.1	13	8	42	63	24800	300	10500	4.2	2000	40
NEBB0495I	06-34.7242-115.5984-4-59-000	.	.	.	3.1	16	14	50	75	30200	470	19200	14.9	4600	80
NEBB0505I	06-34.7377-115.6075-4-59-000	.	.	.	5.4	24	15	42	94	33300	370	9800	9.7	4600	80
NEBB0515I	06-34.7018-115.5833-4-59-000	.	.	.	2.7	10	10	36	28	18200	270	10900	6.9	1600	30
NEBB0525I	06-34.6872-115.5413-4-59-000	.	.	.	2.0	21	10	40	100	30400	490	23700	4.8	3700	60
NEBB0535I	06-34.6794-115.5217-4-59-000	.	.	.	2.7	14	12	50	54	16400	460	21300	9.3	3400	50
NEBB0545I	06-34.6734-115.5083-4-59-000	.	.	.	2.8	12	5	50	52	15700	280	12000	0.7	700	20
NEBB0555I	06-34.6608-115.5062-4-59-000	.	.	.	2.9	15	7	50	49	18600	330	13100	5.3	3100	50
NEBB0565I	06-34.6666-115.5302-4-59-000	.	.	.	2.9	12	10	46	59	27200	300	12600	7.7	800	40
NEBB0575I	06-34.7012-115.5277-4-59-000	.	.	.	2.8	11	10	50	61	22000	310	11100	5.6	2200	30
NEBB0585I	06-34.7167-115.5288-4-59-000	.	.	.	3.6	35	15	48	114	42700	510	20500	6.9	4300	80
NEBB0595I	06-34.7322-115.5354-4-61-000	.	.	.	2.7	32	9	50	112	44600	610	27800	7.2	5900	100
NEBB0605I	06-34.7353-115.5164-4-59-000	.	.	.	3.1	15	11	48	55	20700	350	12500	6.4	-200	30
NEBC0015I	06-34.7445-115.2550-4-61-000	.	.	.	2.1	10	11	80	48	16600	370	16000	6.2	1900	30
NEBC0025I	06-34.7273-115.2600-4-61-000	.	.	.	0.3	-2	5	75	21	5500	40	1900	1.2	300	10
NEBC0035I	06-34.7369-115.2877-4-61-000	.	.	.	4.5	23	29	90	119	51600	490	10100	11.0	4700	70
NEBC0045I	06-34.7466-115.3245-4-61-000	.	.	.	7.0	31	57	100	126	78600	790	15100	10.0	7100	80
NEBC0055I	06-34.7156-115.2982-4-61-000	.	.	.	4.7	15	26	82	78	42500	370	11400	12.1	3000	50
NEBC0065I	06-34.6951-115.3200-4-61-000	.	.	.	M	12	15	72	71	34000	450	11100	10.3	900	50
NEBC0075I	06-34.7064-115.3309-4-61-000	.	.	.	3.6	12	17	70	66	35400	500	12500	12.7	2500	90
NEBC0085I	06-34.6763-115.3524-4-61-000	.	.	.	2.3	7	7	65	43	23700	370	11800	9.3	2500	50
NEBC0095I	06-34.6789-115.3288-4-61-000	.	.	.	2.5	20	12	50	110	37800	570	14200	6.5	5300	70
NEBC0105I	06-34.6751-115.3779-4-61-000	.	.	.	2.7	8	13	50	57	32500	380	11600	8.9	7600	50
NEBC0115I	06-34.6751-115.3779-4-61-000	.	.	.	1.4	8	3	52	47	20000	420	16900	3.3	3300	50
NEBC0125I	06-34.6369-115.3449-4-61-000	.	.	.	1.7	11	5	49	38	28900	580	19900	7.5	4000	50
NEBC0135I	06-34.6266-115.3162-4-61-000	.	.	.	5.0	21	24	46	101	25800	340	12200	8.1	2800	30
NEBC0145I	06-34.6184-115.2918-4-61-000	.	.	.	3.6	14	21	43	76	20900	290	10300	9.5	3100	50
NEBC0155I	06-34.6107-115.2700-4-61-000	.	.	.	3.0	14	15	42	137	26400	570	17200	10.7	39000	50
NEBC0165I	06-34.6027-115.2560-4-61-000	.	.	.	2.5	13	7	50	87	30600	520	15500	9.0	3500	60
NEBC0175I	06-34.6346-115.2843-4-61-000	.	.	.	4.3	22	18	38	129	M	410	11700	11.3	4300	70
NEBC0185I	06-34.6428-115.2613-4-61-000	.	.	.	2.6	11	6	50	62	32600	650	22500	8.0	4800	70
NEBC0195I	06-34.6520-115.2831-4-61-000	.	.	.	3.6	10	9	50	57	16500	310	11700	7.3	2200	40
NEBC0205I	06-34.6444-115.3042-4-61-000	.	.	.	M	10	7	50	62	25600	330	9800	8.4	1600	30
NEBC0215I	06-34.6034-115.3460-4-61-000	.	.	.	3.0	15	12	45	104	31400	550	23800	8.5	5300	70
NEBC0225I	06-34.5998-115.3217-4-61-000	.	.	.	3.1	20	13	58	101	35100	590	19600	7.1	3800	80
NEBC0235I	06-34.5657-115.3330-4-61-000	.	.	.	3.2	16	13	45	91	29500	440	15800	10.3	2900	70
NEBC0245I	06-34.5821-115.3021-4-61-000	.	.	.	5.2	21	24	66	142	26100	390	10000	12.0	2500	50
NEBC0255I	06-34.5570-115.3472-4-61-000	.	.	.	8.5	32	44	52	175	31800	540	11000	10.7	5300	90
NEBC0265I	06-34.5443-115.3463-4-59-000	.	.	.	3.1	11	11	49	53	19700	310	12700	9.9	1900	20

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	TI PPM	V PPM
NEBC027S1	06-34.5357-115.3194-4-61-000	.	.	.	3.4	25	14	47	127	32900	470	18000	8.3	5000	60
NEBC028S1	06-34.5367-115.2840-4-61-000	.	.	.	5.8	24	23	45	125	27000	400	13200	10.9	2700	50
NEBC029S1	06-34.5405-115.2571-4-61-000	.	.	.	6.4	24	17	50	140	30200	440	11800	10.2	800	40
NEBC030S1	06-34.5350-115.3423-4-61-000	.	.	.	3.6	17	15	40	90	22300	450	19600	9.6	4600	60
NEBC031S1	06-34.5180-115.3393-4-61-000	.	.	.	2.7	11	7	47	54	19000	300	13600	10.3	1200	30
NEBC032S1	06-34.5030-115.3191-4-61-000	.	.	.	4.3	15	15	41	59	18200	350	13400	9.0	900	30
NEBC033S1	06-34.5031-115.2842-4-61-000	.	.	.	8.3	29	44	38	174	39300	580	11500	6.8	3100	50
NEBC034S1	06-34.5116-115.2573-4-61-000	.	.	.	3.4	16	15	44	86	29200	660	23500	3.6	6800	90
NEBC035S1	06-34.5846-115.3771-4-61-000	.	.	.	3.2	11	3	42	M	19100	330	12600	4.7	1900	50
NEBC036S1	06-34.5681-115.3974-4-61-000	.	.	.	4.2	22	23	45	82	28400	350	11900	9.3	3200	50
NEBC037S1	06-34.5409-115.4287-4-61-000	.	.	.	1.7	6	6	45	31	27400	390	19100	8.2	3300	40
NEBC038S1	06-34.5238-115.4539-4-61-000	.	.	.	2.1	18	7	55	50	28300	530	M	5.0	5100	30
NEBC039S1	06-34.5178-115.4880-4-61-000	.	.	.	2.5	14	3	69	66	16300	270	13100	6.1	700	30
NEBC040S1	06-34.7013-115.2983-4-61-000	.	.	.	1.9	14	9	80	58	25400	400	17300	6.9	3300	40
NEBC041S1	06-34.6403-115.3828-4-61-000	.	.	.	2.0	4	4	70	20	8700	680	-100	6.8	200	50
NEBC042S1	06-34.6480-115.4083-4-61-000	.	.	.	2.1	8	7	55	45	16800	290	12600	6.0	2100	30
NEBC043S1	06-34.6539-115.4326-4-61-000	.	.	.	2.4	9	11	60	58	26500	340	12100	8.6	1300	50
NEBC044S1	06-34.6602-115.4537-4-61-000	.	.	.	2.5	9	14	70	41	27200	310	12500	6.5	1000	40
NEBC045S1	06-34.6670-115.4773-4-61-000	.	.	.	1.7	7	10	72	45	24000	510	19000	6.3	4100	60
NEBC046S1	06-34.6179-115.4149-4-61-000	.	.	.	2.8	12	13	50	27	24800	390	9900	8.3	1700	70
NEBC047S1	06-34.6029-115.4369-4-61-000	.	.	.	3.4	12	22	60	63	39900	530	14400	8.9	4700	90
NEBC048S1	06-34.5978-115.4051-4-61-000	.	.	.	2.0	10	6	41	52	31700	420	17700	9.1	4000	50
NEBC049S1	06-34.5667-115.4273-4-61-000	.	.	.	2.8	13	13	47	51	17100	300	13100	9.4	700	30
NEBC050S1	06-34.5537-115.4505-4-61-000	.	.	.	3.5	27	8	42	26	19500	270	11600	7.4	1300	10
NEBC051S1	06-34.5878-115.4575-4-61-000	.	.	.	2.1	7	8	42	26	19500	270	11600	7.4	1300	10
NEBC052S1	06-34.5632-115.4951-4-61-000	.	.	.	5.3	50	20	190	182	37400	530	15400	15.2	4700	60
NEBC053S1	06-34.5743-115.4802-4-61-000	.	.	.	5.3	46	30	200	115	27500	420	9300	13.6	1200	70
NEBC054S1	06-34.6630-115.3883-4-61-000	.	.	.	1.8	5	7	46	47	13000	240	11700	5.8	1800	20
NEBC055S1	06-34.6811-115.4029-4-61-000	.	.	.	2.0	10	6	42	M	27500	520	16300	9.5	4000	60
NEBC056S1	06-34.6793-115.4457-4-61-000	.	.	.	3.1	13	20	45	61	40600	490	10300	9.7	4400	70
NEBC057S1	06-34.6994-115.3988-4-61-000	.	.	.	1.5	4	6	60	40	17200	320	12900	7.4	2200	30
NEBC058S1	06-34.5558-115.3977-4-61-000	.	.	.	3.3	19	18	47	110	35900	510	19500	8.7	4000	70
NEBC059S1	06-34.5298-115.3810-4-61-000	.	.	.	6.4	9	21	50	107	28300	360	11000	8.4	2500	30
NEBD001S1	06-34.7134-115.2241-4-59-000	.	.	.	2.4	13	11	30	61	25100	540	M	5.2	4300	30
NEBD002S1	06-34.6953-115.2067-4-59-000	.	.	.	3.1	11	15	30	42	17300	310	10000	4.8	900	40
NEBD003S1	06-34.6834-115.1735-4-59-000	.	.	.	3.4	21	17	40	122	32900	530	17100	6.3	3500	60
NEBD004S1	06-34.6937-115.1475-4-59-000	.	.	.	M	-2	-2	30	-10	M	-20	-100	-0.4	-200	.
NEBD005S1	06-34.7064-115.1352-4-59-000	.	.	.	2.3	10	6	25	47	15200	330	18700	5.2	1300	20
NEBD006S1	06-34.7179-115.1024-4-59-000	.	.	.	2.2	16	5	25	89	24000	520	27400	3.0	3000	50
NEBD007S1	06-34.7338-115.0994-4-61-000	.	.	.	3.1	10	9	30	46	20000	350	11500	7.4	2000	30
NEBD008S1	06-34.7159-115.0697-4-61-000	.	.	.	2.4	8	11	35	62	22800	320	12800	8.2	1700	20
NEBD009S1	06-34.7164-115.0324-4-61-000	.	.	.	2.4	17	10	30	96	31400	450	18800	4.3	3100	50
NEBD010S1	06-34.7368-115.0326-4-61-000	.	.	.	3.6	14	23	35	88	27200	370	11400	7.6	700	40
NEBD011S1	06-34.7302-115.0119-4-59-000	.	.	.	2.9	16	15	30	114	27900	560	17500	6.7	3500	70
NEBD012S1	06-34.7486-115.0092-4-59-000	.	.	.	2.2	5	9	20	44	15000	280	12200	7.3	1900	20
NEBD013S1	06-34.6838-115.0074-4-59-000	.	.	.	4.1	24	18	20	131	33600	500	19000	7.1	5000	80
NEBD014S1	06-34.6827-115.0289-4-59-000	.	.	.	2.8	10	12	25	66	22800	290	10900	6.0	2300	20
NEBD015S1	06-34.6812-115.0697-4-59-000	.	.	.	2.6	11	4	30	68	18000	300	9600	5.2	800	30
NEBD016S1	06-34.6810-115.1059-4-59-000	.	.	.	3.0	20	12	25	107	29400	640	19900	6.0	4000	60
NEBD017S1	06-34.6579-115.2177-4-59-000	.	.	.	M	21	21	35	110	22200	420	13700	8.9	2900	50
NEBD018S1	06-34.6494-115.2454-4-59-000	.	.	.	2.7	16	8	35	87	36800	610	17100	7.4	4700	90
NEBD019S1	06-34.6500-115.1680-4-61-000	.	.	.	3.5	17	6	40	98	32600	540	11600	8.2	2800	50
NEBD020S1	06-34.6331-115.1433-4-59-000	.	.	.	3.7	13	16	30	76	18500	310	13600	6.7	2000	30
NEBD021S1	06-34.6473-115.1328-4-59-000	.	.	.	3.2	10	12	30	74	23300	330	12300	8.6	2200	40
NEBD022S1	06-34.6366-115.1063-4-61-000	.	.	.	3.8	19	6	40	106	33000	410	20300	4.7	3100	40

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEBD02351	06-34.6100-115.1288-4-59-000	.	.	.	3.5	12	6	25	71	19400	330	16200	3.5	1300	40
NEBD02451	06-34.6382-115.0735-4-59-000	.	.	.	2.9	11	8	20	56	21300	340	12700	7.3	2600	30
NEBD02551	06-34.6505-115.0644-4-59-000	.	.	.	2.6	13	10	20	76	22400	300	12800	8.1	2400	20
NEBD02651	06-34.6599-115.1031-4-61-000	.	.	.	2.7	15	9	20	108	27700	460	23000	6.8	4700	50
NEBD02751	06-34.6666-115.0475-4-59-000	.	.	.	2.9	10	12	30	73	17800	330	12600	8.7	2000	40
NEBD02851	06-34.7083-115.1927-4-59-000	.	.	.	3.3	11	10	30	66	19500	350	12100	5.7	2200	30
NEBD02951	06-34.7431-115.2262-4-59-000	.	.	.	3.3	17	17	40	83	27800	420	11700	8.1	3100	40
NEBD03051	06-34.6387-115.2113-4-59-000	.	.	.	3.6	13	18	30	60	26300	370	18000	6.8	2100	40
NEBD03151	06-34.6251-115.1720-4-59-000	.	.	.	9.1	10	-2	40	45	15100	480	5500	2.0	1800	-10
NEBD03251	06-34.5970-115.1781-4-61-000	.	.	.	4.9	21	13	30	121	26900	600	19200	7.9	3100	60
NEBD03351	06-34.5718-115.1804-4-59-000	.	.	.	2.5	6	2	35	-10	41200	690	6400	21.0	1100	90
NEBD03451	06-34.5966-115.1192-4-59-000	.	.	.	6.7	8	5	35	75	15800	330	9200	6.4	1600	20
NEBD03551	06-34.5673-115.1405-4-59-000	.	.	.	2.9	17	11	25	70	30800	500	21300	7.1	4400	60
NEBD03651	06-34.5435-115.1637-4-61-000	.	.	.	1.5	6	8	25	43	8500	280	14700	3.1	1000	10
NEBD03751	06-34.5431-115.1458-4-61-000	.	.	.	3.1	7	13	30	95	16000	230	16200	4.9	900	40
NEBD03851	06-34.5135-115.1186-4-61-000	.	.	.	29.5	315	37	42	931	98800	1230	27000	3.2	6800	140
NEBD03951	06-34.5653-115.1173-4-59-000	.	.	.	2.8	9	15	25	79	23400	320	13300	7.0	1300	50
NEBD04051	06-34.5381-115.1000-4-59-000	.	.	.	2.1	8	10	30	74	16000	250	15300	6.6	2100	30
NEBD04151	06-34.5280-115.0836-4-59-000	.	.	.	5.0	21	20	30	103	32100	980	-100	6.2	9300	-10
NEBD04251	06-34.5015-115.0617-4-59-000	.	.	.	2.4	9	9	20	68	27900	420	16000	4.9	3700	40
NEBD04351	06-34.5083-115.0429-4-59-000	.	.	.	3.2	21	21	30	110	36100	520	19100	5.7	5300	70
NEBD04451	06-34.5340-115.0377-4-59-000	.	.	.	3.0	9	16	30	85	25300	250	13300	6.3	900	30
NEBD04551	06-34.5667-115.0696-4-59-000	.	.	.	2.4	9	9	25	59	13800	240	13600	5.3	2100	40
NEBD04651	06-34.5680-115.0299-4-59-000	.	.	.	3.2	9	10	25	43	15000	230	14600	5.4	1300	20
NEBD04751	06-34.6024-115.0627-4-59-000	.	.	.	7.1	42	66	20	291	188200	950	15000	9.9	9900	400
NEBD04851	06-34.5927-115.0246-4-59-000	.	.	.	2.4	11	10	25	-10	14100	250	13000	7.0	2100	20
NEBD04951	06-34.6188-115.0177-4-59-000	.	.	.	2.3	13	11	20	77	34600	590	21300	5.7	6100	100
NEBD05051	06-34.6493-115.0114-4-61-000	.	.	.	1.6	6	7	20	41	11100	190	7300	3.6	1300	20
NEBE00151	06-34.7268-114.8424-4-59-000	.	.	.	4.2	18	39	32	83	35000	530	7900	11.4	4800	70
NEBE00251	06-34.7066-114.8295-4-59-000	.	.	.	2.8	21	29	32	129	43500	560	12200	8.5	4500	60
NEBE00351	06-34.6983-114.8063-4-59-000	.	.	.	2.7	14	17	40	71	25900	470	12000	10.9	3300	70
NEBE00451	06-34.6691-114.7724-4-59-000	.	.	.	5.5	27	74	34	144	49200	730	7600	12.1	5100	70
NEBE00551	06-34.6561-114.7567-4-59-000	.	.	.	3.8	15	32	38	73	28600	560	10900	11.4	4100	50
NEBE00651	06-34.6440-114.8007-4-59-000	.	.	.	3.7	25	8	34	114	32500	640	22200	0.4	6100	100
NEBE00751	06-34.6150-114.8030-4-59-000	.	.	.	2.8	13	13	28	53	18500	280	10100	9.0	2000	20
NEBE00851	06-34.5845-114.8060-4-59-000	.	.	.	5.5	55	38	36	289	76400	1260	20200	8.5	11500	160
NEBE00951	06-34.5522-114.8098-4-59-000	.	.	.	M	-2	-2	35	-10	M	-20	-100	M	-200	-10
NEBE01051	06-34.5252-114.8079-4-59-000	.	.	.	3.1	13	14	28	40	33600	510	16000	8.7	5400	80
NEBE01151	06-34.5291-114.8397-4-59-000	.	.	.	3.3	13	15	36	55	22700	340	10200	9.7	1200	40
NEBE01251	06-34.5239-114.8769-4-59-000	.	.	.	3.8	14	16	26	57	24700	400	7100	11.1	2200	40
NEBE01351	06-34.5464-114.8866-4-59-000	.	.	.	M	-2	-2	42	-10	M	-20	-100	M	-200	.
NEBE01451	06-34.5622-114.8999-4-59-000	.	.	.	3.9	13	13	34	50	27200	360	9700	21.1	3000	40
NEBE01551	06-34.5749-114.9184-4-59-000	.	.	.	2.8	13	12	35	75	39400	650	M	8.0	6200	50
NEBE01651	06-34.5931-114.9435-4-59-000	.	.	.	3.1	15	14	32	70	27000	450	14700	6.3	3800	60
NEBE01751	06-34.6139-114.9415-4-59-000	.	.	.	M	11	12	28	49	16200	280	9100	11.2	600	30
NEBE01851	06-34.6328-114.9426-4-59-000	.	.	.	2.8	13	7	32	56	19800	330	12100	5.8	2400	40
NEBE01951	06-34.6559-114.9224-4-59-000	.	.	.	3.8	17	22	32	88	22100	300	9800	12.1	900	40
NEBE02051	06-34.6714-114.9106-4-59-000	.	.	.	1.5	9	6	34	52	11700	300	9700	3.0	2800	50
NEBE02151	06-34.6863-114.8751-4-59-000	.	.	.	3.1	11	11	33	78	19400	340	12700	6.3	2800	50
NEBE02251	06-34.6827-114.8354-4-59-000	.	.	.	3.3	11	6	30	57	23800	340	7700	6.3	1000	30
NEBE02351	06-34.6801-114.7990-4-59-000	.	.	.	2.2	6	7	36	35	18000	280	3000	12.8	1900	40
NEBE02451	06-34.7206-114.8647-4-59-000	.	.	.	3.3	10	25	34	54	17900	430	11300	9.3	3100	50
NEBE02551	06-34.7146-114.8847-4-59-000	.	.	.	2.2	8	9	34	51	19200	340	11000	6.0	2700	30
NEBE02651	06-34.7061-114.9095-4-59-000	.	.	.	8.1	50	57	32	254	73700	690	11700	10.8	7400	120
NEBE02751	06-34.7044-114.9424-4-59-000	.	.	.	2.8	11	12	30	67	21900	350	14100	6.2	2300	30

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEBE0285I	06-34.7037-114.9884-4-59-000	.	.	.	3.3	12	15	28	65	22600	360	12600	9.1	3100	50
NEBE0295I	06-34.7333-114.9905-4-59-000	.	.	.	2.6	7	12	33	64	17400	320	11100	9.2	800	30
NEBE0305I	06-34.6735-114.9847-4-59-000	.	.	.	3.0	10	13	30	61	17900	270	12100	7.3	1500	60
NEBE0315I	06-34.6457-114.9912-4-59-000	.	.	.	3.9	13	25	34	79	26100	410	10700	9.1	1100	40
NEBE0325I	06-34.6154-114.9871-4-59-000	.	.	.	3.0	10	14	28	74	22000	380	14200	8.8	3500	60
NEBE0335I	06-34.6846-114.9471-4-59-000	.	.	.	3.1	9	21	29	49	17500	270	5500	10.8	2000	30
NEBE0345I	06-34.7350-114.9479-4-59-000	.	.	.	2.1	16	10	35	59	22000	530	25600	5.3	5300	60
NEBE0355I	06-34.6703-114.8857-4-59-000	.	.	.	4.8	24	32	36	131	32700	370	10800	7.9	4400	70
NEBE0365I	06-34.6510-114.8734-4-59-000	.	.	.	4.1	20	23	30	125	27300	360	10000	12.1	2800	40
NEBE0375I	06-34.6320-114.8513-4-61-000	.	.	.	5.2	38	21	30	213	26500	390	12300	5.6	3200	40
NEBE0385I	06-34.6156-114.8328-4-59-000	.	.	.	5.9	102	33	31	M	81100	960	21600	8.4	12400	220
NEBE0395I	06-34.6120-114.7650-4-59-000	.	.	.	2.7	9	10	34	66	18500	240	12200	9.4	1600	20
NEBE0405I	06-34.5810-114.7657-4-59-000	.	.	.	M	-2	-2	36	-10	M	-20	-100	-0.2	-200	.
NEBE0415I	06-34.5537-114.7652-4-59-000	.	.	.	2.8	12	8	35	64	16400	320	14600	4.8	3300	40
NEBE0425I	06-34.5221-114.7684-4-59-000	.	.	.	2.8	15	10	33	83	24400	280	11900	4.7	600	20
NEBE0435I	06-34.5221-114.7684-4-59-000	.	.	.	3.7	25	14	30	124	33100	490	15300	6.7	3900	80
NEBE0445I	06-34.7295-114.9108-4-59-000	.	.	.	M	2	-2	35	M	M	-20	-100	-0.2	-200	.
NEBE0455I	06-34.6975-114.7723-4-59-000	.	.	.	2.3	9	12	32	46	17500	300	13500	8.5	1700	30
NEBE0465I	06-34.5830-114.9811-4-59-000	.	.	.	2.0	7	9	30	60	12900	280	16000	7.0	1900	30
NEBE0475I	06-34.5695-114.9460-4-59-000	.	.	.	M	-2	-2	30	-10	M	-20	-100	-0.1	-200	.
NEBE0485I	06-34.5492-114.9434-4-59-000	.	.	.	3.0	12	11	29	65	23000	390	17700	6.5	3100	50
NEBE0495I	06-34.5495-114.9850-4-59-000	.	.	.	2.6	18	21	34	110	26100	360	-100	10.2	800	50
NEBE0505I	06-34.5231-114.9471-4-59-000	.	.	.	2.1	6	11	36	45	12600	220	12200	6.4	1500	20
NEBE0515I	06-34.5221-114.9827-4-59-000	.	.	.	3.6	24	24	35	127	38300	600	15300	7.1	7000	110
NEBE0525I	06-34.7394-114.8094-4-61-000	.	.	.	6.3	28	62	48	121	49100	740	5900	13.3	9400	170
NEBF0015I	06-34.7430-114.6045-4-61-000	.	.	.	3.4	14	25	32	44	34100	430	7200	9.8	1600	60
NEBF0025I	06-34.7239-114.6063-4-61-000	.	.	.	2.9	10	29	30	116	41500	940	14600	12.3	8000	100
NEBF0035I	06-34.7077-114.6117-4-61-000	.	.	.	2.0	4	5	30	34	21700	370	7100	6.1	1200	40
NEBF0045I	06-34.6860-114.6141-4-61-000	.	.	.	2.8	10	18	30	71	25100	360	7800	10.0	2500	30
NEBF0055I	06-34.6983-114.5684-4-61-000	.	.	.	1.8	14	20	25	63	34800	390	6500	5.8	3400	60
NEBF0065I	06-34.7056-114.5400-4-61-000	.	.	.	2.5	8	11	30	95	35500	550	10000	12.7	4700	80
NEBF0075I	06-34.7090-114.5171-4-61-000	.	.	.	2.6	6	14	25	36	18300	880	4800	8.5	M	40
NEBF0085I	06-34.6642-114.6210-4-61-000	.	.	.	3.7	22	29	32	140	53800	1160	20000	9.5	9100	130
NEBF0095I	06-34.6485-114.6271-4-61-000	.	.	.	4.9	16	48	30	121	59500	1070	15200	13.0	9900	150
NEBF0105I	06-34.6691-114.6485-4-61-000	.	.	.	2.8	22	56	30	229	88500	1160	15400	10.2	9900	130
NEBF0115I	06-34.6722-114.6747-4-61-000	.	.	.	3.9	13	109	30	154	42200	680	8200	12.0	6400	80
NEBF0125I	06-34.6722-114.7045-4-61-000	.	.	.	2.7	8	35	30	125	34000	570	9100	15.1	8500	60
NEBF0135I	06-34.6750-114.7355-4-61-000	.	.	.	1.9	7	9	50	37	16700	-20	-100	6.6	M	20
NEBF0145I	06-34.6086-114.6371-4-61-000	.	.	.	2.9	9	22	28	58	35200	430	6000	14.4	1100	40
NEBF0155I	06-34.5824-114.6421-4-61-000	.	.	.	M	-2	-2	30	M	M	-20	-100	-0.2	-200	.
NEBF0165I	06-34.5479-114.6455-4-61-000	.	.	.	4.7	14	31	30	77	41900	500	9300	10.1	5100	90
NEBF0175I	06-34.5293-114.6472-4-61-000	.	.	.	M	11	19	30	58	33100	370	10100	9.8	2800	60
NEBF0185I	06-34.5026-114.6484-4-61-000	.	.	.	4.1	10	5	35	48	16100	280	7700	4.6	1300	50
NEBF0195I	06-34.5216-114.6779-4-61-000	.	.	.	M	1	-2	30	-10	M	-20	-100	0.4	-200	.
NEBF0205I	06-34.5107-114.7057-4-61-000	.	.	.	4.4	16	27	30	76	32100	410	7900	7.9	3400	60
NEBF0215I	06-34.5761-114.6622-4-61-000	.	.	.	2.7	8	16	30	58	36800	450	8600	10.9	4100	80
NEBF0225I	06-34.5921-114.6809-4-61-000	.	.	.	1.8	4	10	30	38	30100	520	13800	10.8	3100	70
NEBF0235I	06-34.6113-114.6864-4-61-000	.	.	.	M	-2	-2	30	-10	M	-20	-100	0.2	-200	.
NEBF0245I	06-34.5806-114.7122-4-61-000	.	.	.	2.1	6	13	30	65	23800	340	9100	12.4	1900	30
NEBF0255I	06-34.6022-114.7119-4-61-000	.	.	.	2.0	8	18	30	55	39200	550	16400	12.1	4500	60
NEBF0265I	06-34.6236-114.7174-4-61-000	.	.	.	3.9	8	36	30	41	32700	510	7000	14.4	2100	70
NEBF0275I	06-34.6083-114.7394-4-61-000	.	.	.	3.4	20	59	30	104	59300	1240	17800	8.5	11200	140
NEBF0285I	06-34.6485-114.7072-4-61-000	.	.	.	3.2	13	29	30	78	33900	730	17000	11.2	6800	120
NEBF0295I	06-34.6483-114.6770-4-61-000	.	.	.	2.7	14	23	40	81	42300	790	16700	10.1	7200	90
NEBF0305I	06-34.6471-114.7442-4-61-000	.	.	.	1.9	8	13	40	36	26800	340	9400	10.0	2600	30



TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEBF031S1	06-34.5113-114.7423-4-61-000	.	.	.	2.7	19	27	30	105	65700	810	14700	7.4	9000	120
NEBF032S1	06-34.5495-114.7196-4-61-000	.	.	.	3.5	12	21	30	83	30300	480	9700	12.9	8300	70
NEBF033S1	06-34.5507-114.6834-4-61-000	.	.	.	3.5	22	8	30	132	35900	520	11400	4.0	2100	100
NEBF034S1	06-34.5771-114.6150-4-61-000	.	.	.	M	-2	-2	40	-10	M	-20	-100	0.2	-200	.
NEBF035S1	06-34.5569-114.6117-4-61-000	.	.	.	4.0	9	19	40	63	28500	460	10500	7.6	2800	50
NEBF036S1	06-34.5330-114.6031-4-61-000	.	.	.	5.3	8	13	40	12	7500	140	3800	7.7	1300	20
NEBF037S1	06-34.5204-114.5803-4-61-000	.	.	.	3.0	22	14	30	136	41300	640	16800	6.9	6900	110
NEBF038S1	06-34.6345-114.6108-4-61-000	.	.	.	2.7	8	9	35	35	22400	320	11000	9.6	2600	40
NEBF039S1	06-34.6180-114.5982-4-61-000	.	.	.	M	11	15	35	70	20700	280	10300	5.9	2600	30
NEBF040S1	06-34.6135-114.5734-4-61-000	.	.	.	4.0	15	13	40	92	38100	520	18500	10.9	5000	70
NEBF041S1	06-34.6196-114.5505-4-61-000	.	.	.	3.5	9	-2	40	46	14900	260	8800	4.4	2200	40
NEBF042S1	06-34.6128-114.5227-4-61-000	.	.	.	4.6	18	17	40	122	28200	380	10400	9.7	1600	50
NEBF043S1	06-34.6013-114.5045-4-61-000	.	.	.	3.6	14	14	30	78	23400	340	10700	8.4	2500	30
NEBF044S1	06-34.7433-114.6720-4-61-000	.	.	.	5.1	16	38	35	82	31500	520	6500	16.4	4700	70
NEBF045S1	06-34.7376-114.6393-4-61-000	.	.	.	2.8	30	24	40	160	69900	1340	16800	11.1	10400	150
NEBF046S1	06-34.7126-114.6325-4-61-000	.	.	.	4.2	21	34	40	139	50700	860	10700	16.4	6200	80
NEBF047S1	06-34.7242-114.6990-4-61-000	.	.	.	3.0	14	18	43	110	45300	800	13100	11.7	4900	70
NEBF048S1	06-34.7203-114.6802-4-61-000	.	.	.	3.0	13	17	40	97	30200	770	13100	13.3	5600	80
NEBF049S1	06-34.7177-114.7212-4-61-000	.	.	.	7.0	88	73	43	322	78300	1370	12400	11.8	10800	170
NEBF050S1	06-34.7195-114.7404-4-61-000	.	.	.	4.1	16	41	40	84	31600	560	6700	16.0	3600	90
NEBG001S1	04-34.7439-114.4798-4-61-000	.	.	.	2.9	6	14	36	32	20100	-20	-100	5.4	300	30
NEBG002S1	04-34.7300-114.4473-4-61-000	.	.	.	3.5	22	14	56	79	38200	790	11900	17.0	5800	80
NEBG003S1	04-34.7229-114.4164-4-61-000	.	.	.	4.4	20	16	38	76	39700	450	9300	9.3	3100	70
NEBG004S1	04-34.7270-114.3781-4-61-000	.	.	.	4.9	29	23	46	127	54300	810	12700	10.0	6900	120
NEBG005S1	04-34.7285-114.3309-4-61-000	.	.	.	M	52	25	72	150	50900	1280	-100	10.9	M	140
NEBG006S1	04-34.7296-114.3005-4-61-000	.	.	.	3.4	14	9	45	54	25900	900	-100	7.3	M	50
NEBG007S1	04-34.7327-114.2622-4-61-000	.	.	.	M	-2	-2	45	M	M	-20	M	M	M	M
NEBG008S1	04-34.7025-114.3104-4-61-000	.	.	.	M	-2	-2	54	M	M	-20	M	M	M	M
NEBG009S1	04-34.6416-114.2557-4-61-000	.	.	.	M	-2	-2	54	M	M	-20	M	M	M	M
NEBG010S1	04-34.6481-114.2966-4-61-000	.	.	.	M	14	19	48	95	39500	770	9000	16.0	5000	90
NEBG011S1	04-34.6782-114.2989-4-61-000	.	.	.	2.8	9	11	45	37	24200	290	5300	9.9	2100	30
NEBG012S1	04-34.6394-114.3328-4-61-000	.	.	.	6.6	17	12	72	83	29700	480	8600	11.9	2300	40
NEBG013S1	04-34.6635-114.3462-4-61-000	.	.	.	11.7	71	33	60	M	59700	710	11400	11.4	6000	110
NEBG014S1	04-34.6750-114.3672-4-61-000	.	.	.	M	10	7	65	41	13700	230	7200	8.9	1400	30
NEBG015S1	04-34.6969-114.3741-4-61-000	.	.	.	4.5	14	-2	42	64	20100	250	8600	7.2	2400	40
NEBG016S1	04-34.6167-114.3438-4-61-000	.	.	.	2.6	7	10	49	71	39200	650	13000	13.9	5400	110
NEBG017S1	04-34.6089-114.3690-4-61-000	.	.	.	3.2	12	9	45	53	38000	590	8000	12.6	3800	80
NEBG018S1	04-34.6019-114.3942-4-61-000	.	.	.	M	14	11	46	72	38500	1040	-100	9.8	M	110
NEBG019S1	04-34.5833-114.3717-4-61-000	.	.	.	3.3	14	11	54	76	62000	1710	11300	12.1	14800	250
NEBG020S1	04-34.5678-114.3888-4-61-000	.	.	.	M	-2	-2	48	M	M	230	-100	-0.3	M	-10
NEBG021S1	04-34.7288-114.3583-4-61-000	.	.	.	5.5	20	33	54	72	46800	830	5400	10.1	M	80
NEBG022S1	06-34.7178-114.4936-4-61-000	.	.	.	3.0	7	13	30	35	12200	-20	-100	5.6	300	50
NEBG023S1	04-34.7063-114.4375-4-61-000	.	.	.	2.8	18	23	60	121	56600	930	11800	21.0	7700	100
NEBG024S1	04-34.6865-114.4369-4-61-000	.	.	.	3.1	12	15	68	M	M	380	8900	8.4	3300	50
NEBG025S1	04-34.6580-114.4416-4-61-000	.	.	.	3.6	19	17	58	97	40300	900	10100	8.5	7500	100
NEBG026S1	04-34.6693-114.4246-4-61-000	.	.	.	M	-2	-2	56	-10	M	-20	-100	-0.1	-200	.
NEBG027S1	04-34.6878-114.4060-4-61-000	.	.	.	7.0	23	48	78	96	36500	570	6400	13.3	3600	60
NEBG028S1	04-34.7053-114.4034-4-61-000	.	.	.	3.2	17	15	56	82	44000	670	13500	5.0	5100	100
NEBG029S1	04-34.7105-114.3371-4-61-000	.	.	.	M	-2	-2	58	-10	M	-20	-100	-0.3	-200	.
NEBG030S1	04-34.7137-114.2779-4-61-000	.	.	.	5.4	16	12	46	79	30700	470	8500	10.3	3200	70
NEBG031S1	04-34.6620-114.2640-4-61-000	.	.	.	M	-2	-2	48	-10	M	-20	-100	M	-200	-10
NEBG032S1	04-34.5793-114.3480-4-61-000	.	.	.	4.1	15	19	58	90	34500	640	10600	10.6	4000	70
NEBG033S1	04-34.5878-114.3263-4-61-000	.	.	.	M	-2	-2	55	-10	M	-20	-100	-0.1	-200	.
NEBG034S1	04-34.5809-114.2880-4-61-000	.	.	.	4.4	10	12	58	62	18200	450	8100	10.8	2900	40
NEBG035S1	04-34.5706-114.3101-4-61-000	.	.	.	4.0	23	22	58	115	39500	690	11800	13.1	6200	80

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	TI PPM	V PPM
NEBG036S1	04-34.5638-114.3317-4-61-000	.	.	.	M	-2	-2	52	-10	M	-20	-100	-0.1	-200	-10
NEBG037S1	04-34.5471-114.3258-4-61-000	.	.	.	3.9	8	19	44	50	15000	310	5800	13.4	2100	40
NEBG038S1	06-34.6970-114.4792-4-61-000	.	.	.	3.5	12	10	45	64	24400	410	6200	12.0	1200	40
NEBG039S1	06-34.6602-114.4902-4-61-000	.	.	.	2.0	8	9	35	37	19900	420	9300	4.4	2900	40
NEBG040S1	06-34.6381-114.4752-4-61-000	.	.	.	M	-2	-2	38	-10	M	-20	-100	0.2	-200	.
NEBG041S1	06-34.6738-114.4696-4-61-000	.	.	.	2.6	11	10	52	81	34100	420	11600	7.6	3500	60
NEBG042S1	04-34.5061-114.3588-4-61-000	.	.	.	M	-2	-2	38	-10	M	-20	-100	0.2	-200	.
NEBG043S1	04-34.5307-114.3678-4-61-000	.	.	.	3.3	14	20	34	56	30100	520	8000	9.7	3700	60
NEBG044S1	04-34.5568-114.3689-4-59-000	.	.	.	2.8	17	11	52	70	35800	650	11800	7.1	4700	80
NEBG045S1	04-34.5161-114.3382-4-61-000	.	.	.	M	-2	-2	45	-10	M	-20	-100	-0.2	-200	.
NEBG046S1	04-34.5226-114.2989-4-61-000	.	.	.	1.9	10	7	55	64	35300	690	14400	6.8	3800	80
NEBG047S1	04-34.5217-114.2677-4-61-000	.	.	.	M	-2	-2	64	-10	M	-20	-100	-0.1	M	.
NEBG048S1	04-34.5340-114.2513-4-61-000	.	.	.	2.3	17	10	56	96	38100	810	16500	9.7	-200	90
NEBG049S1	04-34.5384-114.2748-4-61-000	.	.	.	M	-2	-2	48	-10	M	-20	-100	-0.1	-200	.
NEBG050S1	06-34.5918-114.4393-4-61-000	.	.	.	2.5	6	18	35	24	13200	310	5400	5.0	2000	30
NEBG051S1	06-34.5620-114.4418-4-61-000	.	.	.	2.6	8	9	45	49	23800	480	12000	11.5	4000	70
NEBG052S1	06-34.5633-114.4165-4-61-000	.	.	.	M	-2	-2	46	-10	M	280	-100	-0.6	M	-10
NEBG053S1	06-34.5417-114.4431-4-61-000	.	.	.	2.5	13	11	42	73	33000	630	13600	6.2	5100	80
NEBG054S1	06-34.5292-114.3957-4-61-000	.	.	.	M	7	9	38	54	10600	240	6300	7.5	1100	30
NEBG055S1	06-34.5240-114.4736-4-61-000	.	.	.	2.7	8	6	48	18	16500	-20	-100	6.9	2800	60
NEBG056S1	06-34.5208-114.4420-4-61-000	.	.	.	2.3	11	10	48	81	27200	440	11900	5.5	3700	50
NEBG057S1	06-34.5093-114.3979-4-61-000	.	.	.	7.3	19	56	28	111	38300	450	4600	8.8	2600	90
NEBH001S1	04-34.7397-114.2298-4-59-000	.	.	.	3.3	14	13	50	56	27000	380	7400	9.8	3400	50
NEBH002S1	04-34.7132-114.1932-4-61-000	.	.	.	7.6	57	31	58	198	153000	3110	10500	16.1	36500	460
NEBH003S1	06-34.7333-114.1929-4-59-000	.	.	.	4.0	20	19	58	52	16900	280	5600	9.9	2000	30
NEBH004S1	04-34.7358-114.1544-4-59-000	.	.	.	M	-2	-2	60	-10	M	-20	-100	M	-200	.
NEBH005S1	04-34.7275-114.1330-4-59-000	.	.	.	12.3	74	41	80	107	24700	340	8700	9.5	2700	40
NEBH006S1	04-34.7155-114.1397-4-61-000	.	.	.	6.6	29	28	52	69	24500	500	11200	12.8	3300	40
NEBH007S1	04-34.6975-114.1477-4-61-000	.	.	.	3.8	18	22	52	105	54400	890	10400	14.3	8200	110
NEBH008S1	04-34.6791-114.1659-4-61-000	.	.	.	4.3	23	16	60	89	42500	1110	18300	4.3	7200	80
NEBH009S1	04-34.6532-114.1535-4-61-000	.	.	.	4.1	8	36	.	85	23400	550	4300	20.8	3100	80
NEBH010S1	04-34.6460-114.1385-4-61-000	.	.	.	7.7	17	118	50	173	37100	520	4600	23.3	4300	50
NEBH011S1	04-34.6692-114.1906-4-61-000	.	.	.	3.5	23	14	40	-10	53600	590	17000	8.8	4000	80
NEBH012S1	04-34.6526-114.2023-4-61-000	.	.	.	2.5	14	13	40	63	46700	750	9600	11.0	6300	90
NEBH013S1	04-34.6553-114.2349-4-61-000	.	.	.	5.3	36	7	40	202	95700	1630	7700	19.1	16600	190
NEBH014S1	04-34.6832-114.2201-4-61-000	.	.	.	3.0	12	13	40	62	31000	460	4600	12.1	3400	40
NEBH015S1	04-34.7144-114.2339-4-61-000	.	.	.	3.6	20	19	40	97	45500	920	10600	13.7	6000	130
NEBH016S1	06-34.7035-114.1143-4-59-000	.	.	.	18.1	120	42	65	192	29300	390	10600	7.6	3600	50
NEBH017S1	06-34.6851-114.0961-4-59-000	.	.	.	7.4	49	22	85	91	24000	360	11300	11.5	2400	20
NEBH018S1	04-34.6472-114.0892-4-61-000	.	.	.	2.3	9	10	40	44	22200	390	7900	8.4	2700	40
NEBH019S1	04-34.6482-114.1093-4-61-000	.	.	.	3.1	18	19	45	99	57300	1410	12900	7.1	12600	160
NEBH020S1	04-34.6559-114.0531-4-59-000	.	.	.	9.0	45	35	70	91	26000	360	8900	8.4	3600	60
NEBH021S1	04-34.6612-114.0330-4-59-000	.	.	.	15.9	86	48	80	106	23200	290	8500	9.6	1000	30
NEBH022S1	04-34.6696-114.0471-4-59-000	.	.	.	7.7	57	29	80	100	20200	380	10000	8.0	4200	50
NEBH023S1	04-34.6673-114.0116-4-59-000	.	.	.	25.0	153	113	95	158	32800	380	10800	9.9	3800	50
NEBH024S1	04-34.7054-114.0172-4-59-000	.	.	.	8.1	73	25	90	72	32000	420	11400	5.0	4700	50
NEBH025S1	04-34.7203-114.0356-4-59-000	.	.	.	14.1	79	38	90	128	28700	430	12800	8.0	4000	50
NEBH026S1	04-34.7303-114.0252-4-59-000	.	.	.	M	78	43	120	145	24200	370	10400	12.3	2600	20
NEBH027S1	04-34.7349-114.0533-4-59-000	.	.	.	15.1	139	50	90	176	35400	530	13400	10.7	5800	90
NEBH028S1	04-34.7350-114.0790-4-59-000	.	.	.	6.6	23	20	60	73	17200	370	11300	11.5	2900	40
NEBH029S1	04-34.6203-114.1845-4-59-000	.	.	.	3.0	10	12	20	45	25800	370	7900	9.7	1200	60
NEBH030S1	04-34.6061-114.1811-4-61-000	.	.	.	2.1	7	11	30	57	42000	610	7100	16.3	-200	60
NEBH031S1	04-34.5775-114.2059-4-61-000	.	.	.	2.4	9	11	30	69	40900	820	10400	20.6	4900	90
NEBH032S1	04-34.5710-114.2163-4-61-000	.	.	.	M	-2	-2	25	-10	M	-20	-100	0.3	-200	.
NEBH033S1	04-34.6019-114.1529-4-61-000	.	.	.	2.5	10	16	20	61	36200	680	8100	17.5	3400	60

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEBH03451	04-34.5763-114.1455-4-61-000	.	.	.	2.2	7	11	20	43	30800	570	10200	17.1	4100	80
NEBH03551	04-34.5826-114.1297-4-61-000	.	.	.	6.9	14	91	25	100	61000	700	7400	20.0	5300	60
NEBH03651	04-34.5985-114.1270-4-59-000	.	.	.	2.4	12	13	20	85	37100	530	10100	8.3	4700	80
NEBH03751	04-34.6151-114.1096-4-59-000	.	.	.	2.6	16	10	20	82	39400	610	8600	18.0	3600	80
NEBH03851	04-34.6091-114.0924-4-61-000	.	.	.	2.7	11	19	25	80	40500	740	13500	14.3	6200	100
NEBH03951	04-34.5787-114.1092-4-61-000	.	.	.	2.3	10	9	20	41	20600	350	7100	8.1	2300	50
NEBH04051	04-34.5674-114.0994-4-61-000	.	.	.	2.7	12	9	20	29	27900	340	5900	10.5	1900	30
NEBH04151	04-34.5513-114.1177-4-61-000	.	.	.	1.6	6	11	20	67	36200	940	17700	14.3	5500	90
NEBH04251	04-34.5460-114.0996-4-61-000	.	.	.	1.8	5	43	25	96	41400	590	7500	15.3	1000	60
NEBH04351	04-34.5118-114.0794-4-61-000	.	.	.	2.8	22	17	30	127	54900	900	8900	18.3	6700	100
NEBH04451	04-34.5142-114.1083-4-61-000	.	.	.	2.5	17	16	40	136	30500	550	8700	17.1	-200	60
NEBH04551	04-34.5416-114.0543-4-61-000	.	.	.	2.6	9	33	30	115	47500	650	6100	18.4	4200	50
NEBH04651	04-34.5271-114.0476-4-61-000	.	.	.	1.4	12	4	25	36	26400	360	8000	3.8	2300	40
NEBH04751	04-34.5455-114.0212-4-59-000	.	.	.	3.4	12	16	35	45	19500	350	8100	7.5	2400	50
NEBH04851	04-34.5287-114.0011-4-59-000	.	.	.	M	31	40	35	82	40900	440	10200	11.6	3300	60
NEBH04951	04-34.5752-114.0185-4-59-000	.	.	.	4.0	22	12	25	85	33000	400	9500	7.5	2700	60
NEBH05051	04-34.5931-114.0105-4-59-000	.	.	.	6.7	23	27	45	-10	9600	250	8000	9.3	2200	30
NEBH05151	04-34.5849-114.0382-4-59-000	.	.	.	1.8	6	9	25	49	19200	340	8400	12.5	2100	30
NEBH05251	04-34.5999-114.0435-4-59-000	.	.	.	1.6	9	7	40	87	52200	1190	16900	11.3	6900	130
NEBH05351	04-34.6229-114.0585-4-59-000	.	.	.	11.1	121	64	40	164	61600	670	11800	14.1	7200	90
NEBH05451	04-34.5512-114.2265-4-61-000	.	.	.	2.7	8	5	40	34	17100	210	3700	5.1	1100	40
NEBH05551	04-34.5515-114.2108-4-61-000	.	.	.	3.0	14	13	30	67	31800	420	7000	18.4	1800	30
NEBH05651	04-34.5195-114.2340-4-59-000	.	.	.	4.6	10	16	45	126	18700	830	800	12.7	2100	20
NEBH05751	04-34.5209-114.2112-4-61-000	.	.	.	2.0	10	7	40	87	33300	600	12200	7.4	4100	70
NEBH05851	04-34.5161-114.1684-4-61-000	.	.	.	2.6	5	14	35	23	18600	340	4400	9.0	2500	50
NEBH05951	04-34.5327-114.1657-4-61-000	.	.	.	1.7	6	9	30	32	37700	910	9700	18.3	4400	100
NECA00151	06-34.2530-115.9832-4-59-000	.	.	.	3.8	38	21	50	170	46600	730	26500	8.2	5400	110
NECA00251	06-34.2621-115.9871-4-61-000	.	.	.	2.3	39	29	25	164	41700	590	18200	11.4	5300	120
NECA00351	06-34.2829-115.9904-4-59-000	.	.	.	3.5	20	19	40	78	35200	510	20300	11.0	4800	80
NECA00451	06-34.2985-115.9770-4-61-000	.	.	.	3.6	16	14	45	84	19900	370	15400	10.2	3000	60
NECA00551	06-34.3023-115.9524-4-59-000	.	.	.	M	13	5	40	63	19500	320	11700	6.2	2300	40
NECA00651	06-34.3047-115.9080-4-61-000	.	.	.	6.2	51	21	45	121	60900	690	19400	9.6	5800	120
NECA00751	06-34.3095-115.8812-4-61-000	.	.	.	M	18	15	45	92	22100	410	16900	10.3	3600	70
NECA00851	06-34.3179-115.8959-4-61-000	.	.	.	4.9	45	20	47	188	49300	650	21800	7.1	5900	90
NECA00951	06-34.3142-115.9288-4-61-000	.	.	.	4.4	18	16	45	94	20800	650	-100	8.2	700	60
NECA01051	06-34.3356-115.9371-4-61-000	.	.	.	3.3	11	13	40	77	21600	290	13500	8.2	1500	30
NECA01151	06-34.3491-115.9446-4-59-000	.	.	.	M	-2	-2	48	-10	M	-20	-100	-0.2	M	.
NECA01251	06-34.3672-115.9494-4-61-000	.	.	.	4.1	19	15	40	82	21700	280	12900	10.2	2600	50
NECA01351	06-34.3858-115.8487-4-61-000	.	.	.	9.2	35	51	40	151	55800	470	11300	11.3	4100	80
NECA01451	06-34.3714-115.8458-4-61-000	.	.	.	3.0	11	14	45	65	18100	300	13800	12.2	1800	30
NECA01551	06-34.3610-115.8428-4-61-000	.	.	.	11.7	-2	-2	45	-10	M	-20	-100	M	-200	.
NECA01651	06-34.3499-115.8274-4-61-000	.	.	.	2.7	6	6	47	35	11800	310	13800	3.8	2100	40
NECA01751	06-34.3420-115.8385-4-61-000	.	.	.	4.1	12	15	45	59	22800	420	16500	6.4	2600	50
NECA01851	06-34.3247-115.8357-4-61-000	.	.	.	2.9	12	8	45	60	22800	470	18700	10.0	3800	60
NECA01951	06-34.3112-115.8226-4-59-000	.	.	.	3.4	19	10	40	103	31700	500	19400	7.6	4100	50
NECA02051	06-34.3007-115.8131-4-59-000	.	.	.	3.6	16	15	45	61	19800	400	15300	10.9	2500	40
NECA02151	06-34.2874-115.7982-4-59-000	.	.	.	3.3	22	12	45	132	40600	590	21500	8.1	4500	70
NECA02251	06-34.3030-115.7868-4-59-000	.	.	.	3.5	27	10	45	113	16500	530	31200	2.5	3700	50
NECA02351	06-34.3755-115.9508-4-61-000	.	.	.	8.4	43	47	32	187	55200	360	14700	9.5	4700	70
NECA02451	06-34.3966-115.9688-4-61-000	.	.	.	3.6	21	14	40	118	36800	470	23100	6.3	5600	70
NECA02551	06-34.4166-115.9870-4-61-000	.	.	.	4.3	18	21	40	110	24400	460	16800	12.9	4600	70
NECA02651	06-34.4457-115.9840-4-59-000	.	.	.	5.5	44	24	30	150	53600	750	19600	13.2	7600	120
NECA02751	06-34.4642-115.9756-4-61-000	.	.	.	3.3	14	15	20	47	24700	340	13000	11.9	1400	60
NECA02851	06-34.4229-115.9552-4-61-000	.	.	.	M	-2	-2	30	-10	M	-20	-100	0.4	-200	.
NECA02951	06-34.4255-115.8951-4-61-000	.	.	.	3.5	11	13	20	65	29200	350	12000	9.1	2700	40

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	TI PPM	V PPM
NECA030S1	06-34.4619-115.8715-4-61-000	.	.	.	4.2	14	21	25	67	23300	330	9900	7.5	2900	50
NECA031S1	06-34.4586-115.9234-4-61-000	.	.	.	2.5	6	5	25	37	29100	1520	19700	4.1	4200	270
NECA032S1	06-34.3994-115.8542-4-61-000	.	.	.	3.5	15	14	30	69	16900	310	14300	10.6	600	20
NECA033S1	06-34.4883-115.8856-4-59-000	.	.	.	1.7	5	8	35	24	16900	380	10800	9.9	700	40
NECB001S1	06-34.2571-115.7214-4-59-000	.	.	.	3.7	19	14	29	115	31000	460	19900	7.0	4400	50
NECB002S1	06-34.2756-115.7156-4-59-000	.	.	.	3.2	17	11	30	71	19400	470	16700	8.4	2200	50
NECB003S1	06-34.2944-115.7113-4-59-000	.	.	.	5.7	22	18	40	106	23900	380	13200	7.0	900	50
NECB004S1	06-34.3124-115.7038-4-59-000	.	.	.	3.6	25	12	35	132	45200	720	24000	4.8	5400	80
NECB005S1	06-34.3303-115.6946-4-59-000	.	.	.	5.6	24	21	30	130	40200	630	17400	9.9	6300	120
NECB006S1	06-34.3494-115.6942-4-59-000	.	.	.	3.1	20	11	30	88	30900	590	23100	5.0	4900	80
NECB007S1	06-34.3413-115.7141-4-61-000	.	.	.	5.4	15	18	33	76	19200	280	10300	10.9	2200	40
NECB008S1	06-34.3676-115.6934-4-59-000	.	.	.	4.0	15	17	32	61	23900	380	17300	7.3	2100	30
NECB009S1	06-34.3873-115.6961-4-59-000	.	.	.	3.3	20	15	35	66	37200	670	25900	10.0	5600	80
NECB010S1	06-34.3793-115.7165-4-61-000	.	.	.	9.4	13	18	30	69	21500	340	13000	7.2	800	40
NECB011S1	06-34.4047-115.7043-4-59-000	.	.	.	4.2	28	17	30	83	41500	670	24000	7.4	6600	110
NECB012S1	06-34.4060-115.7255-4-61-000	.	.	.	M	20	20	30	79	37200	400	14500	11.2	-200	70
NECB013S1	06-34.4226-115.7156-4-59-000	.	.	.	M	2	-2	30	-10	M	-20	-100	-0.1	-200	.
NECB014S1	06-34.4393-115.7241-4-61-000	.	.	.	5.0	20	29	40	78	38000	410	12200	13.7	3700	80
NECB015S1	06-34.4558-115.7406-4-59-000	.	.	.	3.3	16	13	25	61	28600	620	29700	6.1	5100	80
NECB016S1	06-34.4763-115.7429-4-59-000	.	.	.	1.6	6	5	30	31	15100	370	16900	8.2	2800	40
NECB017S1	06-34.4982-115.7433-4-59-000	.	.	.	2.2	12	24	30	55	24700	330	37700	4.5	3100	50
NECB018S1	06-34.2963-115.6927-4-61-000	.	.	.	3.8	16	14	28	78	23200	510	18700	10.8	3400	60
NECB019S1	06-34.3134-115.6810-4-59-000	.	.	.	M	26	11	30	118	28800	420	17000	6.5	2800	40
NECB020S1	06-34.3320-115.6665-4-59-000	.	.	.	5.1	37	15	31	167	31800	530	20300	8.3	4000	60
NECB021S1	06-34.3483-115.6502-4-59-000	.	.	.	6.2	33	19	40	126	23500	430	17300	7.8	2400	40
NECB022S1	06-34.3680-115.6464-4-59-000	.	.	.	3.7	17	13	30	81	22200	290	13100	7.1	2200	40
NECB023S1	06-34.3835-115.6320-4-59-000	.	.	.	1.2	7	4	30	51	12100	310	26000	4.2	2700	30
NECB024S1	06-34.4159-115.6073-4-61-000	.	.	.	10.3	9	10	28	54	22600	340	14300	7.6	2500	40
NECB025S1	06-34.4355-115.5970-4-59-000	.	.	.	2.3	9	8	30	43	13200	390	15600	7.6	2700	40
NECB026S1	06-34.4450-115.5765-4-59-000	.	.	.	M	13	21	26	42	23600	450	12200	9.9	600	120
NECB027S1	06-34.4568-115.5609-4-59-000	.	.	.	6.5	35	28	40	92	51900	1110	25100	11.6	9500	170
NECB028S1	06-34.4699-115.5422-4-61-000	.	.	.	2.7	10	8	30	41	19500	450	18700	5.2	3100	70
NECB029S1	06-34.4819-115.5265-4-59-000	.	.	.	3.9	15	23	26	83	26400	450	14800	9.5	3900	70
NECB030S1	06-34.4979-115.5053-4-59-000	.	.	.	2.5	9	12	32	59	17700	360	15500	8.0	2700	40
NECB031S1	06-34.2796-115.6755-4-61-000	.	.	.	3.4	14	20	26	79	28900	390	13500	8.6	2800	60
NECB032S1	06-34.2787-115.6378-4-61-000	.	.	.	3.7	10	-2	30	-10	15700	380	18000	7.7	3200	50
NECB033S1	06-34.2746-115.6082-4-61-000	.	.	.	3.6	21	12	29	115	29400	420	20700	7.4	5000	60
NECB034S1	06-34.2610-115.5589-4-61-000	.	.	.	4.0	12	14	33	101	21000	320	14500	6.4	1700	30
NECB035S1	06-34.2775-115.5741-4-61-000	.	.	.	5.4	35	29	30	176	86300	790	21300	4.5	9400	210
NECB036S1	06-34.3103-115.6029-4-61-000	.	.	.	3.0	8	12	26	67	14100	330	16700	6.2	3400	50
NECB037S1	06-34.3440-115.6077-4-59-000	.	.	.	3.2	6	-2	28	41	21200	370	16000	5.4	2500	40
NECB038S1	06-34.3126-115.6538-4-59-000	.	.	.	3.2	16	11	30	73	31800	460	18100	8.2	3900	50
NECB039S1	06-34.4488-115.6017-4-61-000	.	.	.	4.6	16	12	30	87	21100	320	12600	7.0	1700	30
NECB040S1	06-34.4640-115.6167-4-59-000	.	.	.	5.6	15	22	43	62	26700	450	12800	7.2	3500	70
NECB041S1	06-34.4649-115.6463-4-59-000	.	.	.	M	6	6	30	-10	13300	380	25400	6.5	1300	30
NECB042S1	06-34.4822-115.6348-4-59-000	.	.	.	4.8	8	6	35	42	18100	470	30100	5.6	3000	60
NECB043S1	06-34.4970-115.6479-4-59-000	.	.	.	4.7	8	7	30	41	19300	470	19900	7.6	1800	30
NECB044S1	06-34.3672-115.5029-4-59-000	.	.	.	3.4	10	7	30	54	28500	730	33400	4.9	4100	60
NECB045S1	06-34.3857-115.5142-4-59-000	.	.	.	3.4	10	16	30	54	19200	400	14000	9.8	3300	60
NECB046S1	06-34.3832-115.5370-4-59-000	.	.	.	4.6	17	26	30	98	26800	410	11500	9.0	3200	50
NECB047S1	06-34.3806-115.5605-4-59-000	.	.	.	4.3	19	22	28	-10	37600	580	14900	10.3	3900	100
NECB048S1	06-34.4027-115.5263-4-59-000	.	.	.	4.6	16	21	33	84	27900	1040	-100	11.7	1100	150
NECB049S1	06-34.4110-115.5630-4-59-000	.	.	.	3.6	12	11	30	37	17200	460	12600	6.2	2400	60
NECB050S1	06-34.4110-115.5630-4-59-000	.	.	.	4.9	17	26	30	75	31900	610	14600	10.8	4000	60
NECB051S1	06-34.4110-115.5630-4-59-000	.	.	.	3.4	8	14	33	46	14800	420	12100	10.7	3300	60

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NECB052S1	06-34.4175-115.5341-4-59-000	.	.	.	3.1	15	14	33	99	34800	700	23100	3.3	6300	80
NECB053S1	06-34.4338-115.5423-4-59-000	.	.	.	5.2	18	31	30	75	30700	430	12700	9.8	2200	50
NECB054S1	06-34.4453-115.5245-4-59-000	.	.	.	2.9	12	14	46	49	19300	350	16200	6.0	2300	30
NECB055S1	06-34.4504-115.5007-4-59-000	.	.	.	3.3	10	18	48	60	23600	370	16300	5.6	2500	40
NECC001S1	06-34.4881-115.4781-4-61-000	.	.	.	1.9	13	11	30	111	25000	440	17400	6.7	4200	80
NECC002S1	06-34.4667-115.4566-4-59-000	.	.	.	3.0	5	19	30	27	8400	120	5300	8.7	600	10
NECC003S1	06-34.4559-115.4403-4-59-000	.	.	.	2.8	16	14	40	66	23400	380	20200	6.7	4000	50
NECC004S1	06-34.4435-115.4241-4-59-000	.	.	.	3.4	-2	-2	30	M	M	210	11300	7.3	800	40
NECC005S1	06-34.4104-115.4029-4-61-000	.	.	.	M	-2	-2	31	M	M	430	15600	8.2	3600	50
NECC006S1	06-34.3814-115.4027-4-59-000	.	.	.	1.7	11	6	30	64	24700	370	22300	5.7	3400	50
NECC007S1	06-34.4295-115.3940-4-59-000	.	.	.	3.0	-2	-2	30	M	M	410	20200	-0.3	2700	50
NECC008S1	06-34.4289-115.3601-4-59-000	.	.	.	2.9	17	11	26	111	26600	570	27200	6.7	5100	70
NECC009S1	06-34.4051-115.3516-4-59-000	.	.	.	3.6	-2	-2	30	M	M	280	12500	2.6	2700	40
NECC010S1	06-34.3931-115.3320-4-59-000	.	.	.	M	12	21	30	25	11300	330	16000	13.5	2400	30
NECC011S1	06-34.3803-115.3102-4-59-000	.	.	.	4.7	17	17	30	83	26200	390	17300	8.4	2900	40
NECC012S1	06-34.3569-115.3297-4-59-000	.	.	.	3.6	17	35	28	133	58000	910	17900	11.0	9100	130
NECC013S1	06-34.3452-115.3429-4-59-000	.	.	.	4.1	15	24	30	90	19500	380	17700	11.8	3600	60
NECC014S1	06-34.3313-115.3561-4-59-000	.	.	.	M	21	36	40	141	31900	420	M	11.8	1200	80
NECC015S1	06-34.3255-115.2527-4-61-000	.	.	.	4.3	23	22	33	91	30300	430	19400	9.0	3500	60
NECC016S1	06-34.3451-115.2728-4-59-000	.	.	.	5.6	12	21	30	107	22500	290	11400	9.7	2600	30
NECC017S1	06-34.3424-115.2877-4-59-000	.	.	.	9.1	-2	-2	10	M	M	110	2700	3.2	1200	30
NECC018S1	06-34.3436-115.3017-4-59-000	.	.	.	4.5	-2	-2	10	M	M	300	11200	13.7	2500	30
NECC019S1	06-34.3951-115.2915-4-59-000	.	.	.	4.3	16	19	27	88	25700	360	15800	10.8	3500	50
NECC020S1	06-34.4162-115.2991-4-61-000	.	.	.	3.3	14	16	28	103	30500	400	19400	7.2	4200	60
NECC021S1	06-34.4445-115.3097-4-61-000	.	.	.	3.4	11	17	25	45	19700	400	18000	7.9	3700	60
NECC022S1	06-34.4654-115.3178-4-61-000	.	.	.	3.5	13	14	30	74	20200	390	16500	8.8	2500	50
NECC023S1	06-34.4899-115.3266-4-61-000	.	.	.	3.6	26	14	30	111	37900	580	24100	9.7	5500	70
NECC024S1	06-34.4747-115.2818-4-61-000	.	.	.	M	17	17	35	50	22700	340	14200	9.0	2900	50
NECC025S1	06-34.4814-115.2543-4-59-000	.	.	.	4.9	12	18	30	75	18300	380	14600	9.3	2600	40
NECC026S1	06-34.3793-115.2741-4-59-000	.	.	.	2.6	16	11	30	110	24200	500	28500	3.9	4300	60
NECC027S1	06-34.4018-115.2536-4-59-000	.	.	.	4.0	15	20	27	91	19900	370	17500	8.5	3700	50
NECC028S1	06-34.3456-115.4893-4-59-000	.	.	.	4.7	8	12	55	47	14200	270	-100	6.9	700	30
NECC029S1	06-34.3292-115.4778-4-59-000	.	.	.	3.3	12	15	45	72	17100	310	15900	9.3	2800	40
NECC030S1	06-34.3096-115.4647-4-59-000	.	.	.	M	19	4	48	93	16200	430	17400	6.1	3100	50
NECC031S1	06-34.2918-115.4547-4-61-000	.	.	.	1.1	6	-2	48	46	12100	220	16900	4.3	1800	30
NECC032S1	06-34.2742-115.4435-4-61-000	.	.	.	3.5	16	8	46	82	22300	340	17200	5.0	2200	30
NECC033S1	06-34.2671-115.4658-4-59-000	.	.	.	3.9	18	15	40	117	34500	490	16800	7.4	4900	70
NECC034	06-34.2522-115.4284-4- -000	.	.	.	M	-2	-2	48	M	M	-20	M	M	M	M
NECC035	06-34.4504-115.4781-4- -000	.	.	.	M	-2	-2	46	M	M	-20	M	M	M	M
NECD001S1	06-34.2615-115.1012-4-59-000	.	.	.	3.7	4	2	40	24	5100	120	6300	1.7	700	10
NECD002S1	06-34.2751-115.1196-4-61-000	.	.	.	4.1	25	24	35	107	41800	550	18600	10.6	5200	80
NECD003S1	06-34.2816-115.1399-4-59-000	.	.	.	3.6	12	14	50	74	13100	260	14300	6.0	1500	20
NECD004S1	06-34.2761-115.1691-4-59-000	.	.	.	4.7	16	37	48	102	25300	420	14300	9.4	3200	50
NECD005S1	06-34.2819-115.1871-4-61-000	.	.	.	4.6	-2	-2	50	M	M	360	14900	11.2	2500	50
NECD006S1	06-34.2915-115.2153-4-59-000	.	.	.	4.0	15	17	20	81	20400	340	15500	6.5	2300	40
NECD007S1	06-34.2734-115.2155-4-59-000	.	.	.	2.8	11	11	50	110	19300	380	21200	5.8	4500	40
NECD008S1	06-34.307-115.2201-4-61-000	.	.	.	3.6	12	16	55	68	21500	280	12900	8.3	2300	30
NECD009S1	06-34.3256-115.2240-4-61-000	.	.	.	3.4	13	10	55	66	20600	1040	-100	5.0	800	110
NECD010S1	06-34.3136-115.2454-4-59-000	.	.	.	3.3	11	12	45	71	16700	300	11300	8.0	1700	30
NECD011S1	06-34.3467-115.2249-4-61-000	.	.	.	6.0	18	32	55	121	28200	420	17100	7.9	3500	50
NECD012S1	06-34.2624-115.1893-4-59-000	.	.	.	3.3	16	13	40	95	24800	430	24700	6.0	4100	40
NECD013S1	06-34.2526-115.1686-4-59-000	.	.	.	8.4	15	33	40	97	21300	310	-100	8.8	700	60
NECD014S1	06-34.2650-115.1461-4-59-000	.	.	.	M	15	17	40	99	20400	350	20600	6.1	3400	50
NECD015S1	06-34.3131-115.1723-4-61-000	.	.	.	2.3	7	6	70	42	9000	200	17900	4.3	1700	20
NECD016S1	06-34.2974-115.1673-4-61-000	.	.	.	2.4	16	8	65	83	25800	510	27300	2.5	4300	70

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NECD01751	06-34.3080-115.1460-4-61-000	.	.	.	17.1	46	166	55	204	104900	640	13000	13.1	6800	180
NECD01851	06-34.3266-115.1342-4-61-000	.	.	.	2.7	9	10	50	54	24800	800	71500	8.6	300	50
NECD01951	06-34.3443-115.1088-4-59-000	.	.	.	5.1	14	28	55	113	23400	370	12700	9.2	900	40
NECD02051	06-34.3717-115.1493-4-61-000	.	.	.	5.5	20	31	70	117	29000	490	17500	9.9	4300	60
NECD02151	06-34.3610-115.1660-4-61-000	.	.	.	8.4	24	55	65	154	22700	350	12400	10.0	3000	40
NECD02251	06-34.3649-115.1111-4-61-000	.	.	.	8.1	22	54	50	135	24600	300	9500	9.8	2600	40
NECD02351	06-34.3456-115.0786-4-59-000	.	.	.	5.9	20	35	40	108	26900	360	14600	8.8	1200	30
NECD02451	06-34.3111-115.0930-4-59-000	.	.	.	6.5	18	31	35	100	24900	310	12500	10.5	800	30
NECD02551	06-34.2881-115.0968-4-59-000	.	.	.	3.4	15	14	40	91	31800	340	20300	5.6	4300	60
NECD02651	06-34.2594-115.0780-4-59-000	.	.	.	4.0	11	19	40	77	15400	210	12500	7.9	2000	20
NECD02751	06-34.2801-115.0733-4-59-000	.	.	.	4.8	14	24	40	96	25100	350	15100	8.4	2700	40
NECD02851	06-34.3039-115.0689-4-59-000	.	.	.	2.6	8	8	40	32	17000	320	16700	7.3	2000	30
NECD02951	06-34.3261-115.0722-4-61-000	.	.	.	5.3	11	21	35	98	22200	360	15700	7.7	2800	40
NECD03051	06-34.3614-115.0565-4-61-000	.	.	.	M	-2	-2	40	-10	M	-20	-100	M	-200	.
NECD03151	06-34.3426-115.0365-4-59-000	.	.	.	4.5	15	16	50	90	30300	510	18200	7.8	5300	90
NECD03251	06-34.3301-115.0086-4-61-000	.	.	.	4.8	15	35	45	86	32400	380	9300	13.4	4300	70
NECD03351	06-34.3016-115.0034-4-61-000	.	.	.	11.7	54	41	70	179	77300	1070	15000	12.3	9400	240
NECD03451	06-34.2836-115.0036-4-61-000	.	.	.	9.8	43	14	75	123	46700	530	11100	7.9	4400	110
NECD03551	06-34.3034-115.0273-4-61-000	.	.	.	3.3	12	18	60	65	29100	370	11800	9.8	700	60
NECD03651	06-34.2804-115.0266-4-61-000	.	.	.	6.6	76	20	70	198	82900	970	17700	12.5	9200	200
NECD03751	06-34.2627-115.0025-4-61-000	.	.	.	4.1	16	13	90	93	26000	370	12100	9.5	3000	60
NECD03851	06-34.3792-115.0724-4-59-000	.	.	.	5.2	16	20	30	80	33300	300	13600	6.2	2900	50
NECD03951	06-34.4019-115.0671-4-59-000	.	.	.	4.1	14	16	30	105	26100	430	20100	6.9	4500	70
NECD04051	06-34.4231-115.0636-4-59-000	.	.	.	3.3	9	12	35	49	18800	310	16100	6.9	3300	40
NECD04151	06-34.4531-115.0555-4-61-000	.	.	.	3.2	10	15	35	66	23600	280	13400	7.3	400	20
NECD04251	06-34.4805-115.0621-4-61-000	.	.	.	4.5	15	20	40	100	37100	360	12400	7.7	3300	70
NECD04351	06-34.4871-115.0290-4-59-000	.	.	.	2.6	18	9	35	61	20300	340	23100	4.0	3000	40
NECD04451	06-34.4866-115.0120-4-61-000	.	.	.	4.2	16	7	30	76	20200	340	15000	5.8	2200	30
NECD04551	06-34.4648-115.0341-4-59-000	.	.	.	3.7	15	15	40	111	33900	530	15900	8.7	5600	80
NECD04651	06-34.4630-115.0150-4-61-000	.	.	.	2.0	7	14	35	53	23600	310	11000	8.7	2600	50
NECD04751	06-34.4381-115.0407-4-61-000	.	.	.	4.9	14	26	40	105	32600	420	16000	6.9	3400	60
NECD04851	06-34.4047-115.0469-4-59-000	.	.	.	3.3	8	16	35	59	17500	330	16000	6.0	3300	60
NECD04951	06-34.3939-115.0334-4-59-000	.	.	.	4.8	20	24	35	118	26800	340	14900	7.0	900	40
NECD05051	06-34.3848-115.0136-4-61-000	.	.	.	5.0	21	31	30	147	61200	770	20800	8.8	8700	150
NECD05151	06-34.4121-115.0127-4-61-000	.	.	.	4.3	15	30	35	129	31200	440	78600	7.7	1100	80
NECD05251	06-34.4312-115.0076-4-61-000	.	.	.	3.2	16	18	35	95	36300	600	24100	4.6	6200	90
NECD05351	06-34.4073-115.0956-4-61-000	.	.	.	3.3	8	7	40	59	19200	310	12100	5.8	2500	40
NECD05451	06-34.4237-115.1089-4-61-000	.	.	.	3.7	11	18	40	78	20600	430	18100	9.5	3100	50
NECD05551	06-34.4444-115.1235-4-61-000	.	.	.	3.8	18	17	40	138	34700	470	20000	10.2	5300	70
NECD05651	06-34.4628-115.1339-4-61-000	.	.	.	27.0	20	16	40	150	31400	470	17900	8.7	4500	60
NECD05751	06-34.4844-115.1463-4-61-000	.	.	.	4.1	18	15	40	121	33200	580	23300	7.9	5600	80
NECD05851	06-34.3776-115.0988-4-61-000	.	.	.	3.2	10	14	35	70	26300	360	15100	8.9	3100	60
NECD05951	06-34.4032-115.1308-4-61-000	.	.	.	4.7	15	20	35	99	38400	430	15700	8.5	3700	80
NECD06051	06-34.4134-115.1491-4-61-000	.	.	.	5.0	31	23	40	189	112500	680	21600	3.2	6700	230
NECD06151	06-34.4239-115.1632-4-61-000	.	.	.	6.3	21	31	40	128	39900	420	14700	9.0	5000	90
NECD06251	06-34.3776-115.1278-4-59-000	.	.	.	3.3	10	14	35	90	14500	260	12400	9.6	2200	30
NECD06351	06-34.4079-115.2483-4-59-000	.	.	.	5.0	27	25	50	152	38800	730	18400	9.4	3400	60
NECD06451	06-34.4196-115.2391-4-59-000	.	.	.	9.9	17	73	60	105	22800	290	9500	10.2	2800	60
NECD06551	06-34.4296-115.2231-4-61-000	.	.	.	4.0	19	19	55	133	32900	480	17000	6.5	4600	70
NECD06651	06-34.4872-115.2034-4-61-000	.	.	.	7.0	25	36	55	148	21600	410	16300	10.3	3400	40
NECD06751	06-34.4961-115.2046-4-61-000	.	.	.	4.9	22	25	50	108	33400	440	17800	9.0	5100	50
NECE00151	06-34.4865-114.7630-4-61-000	.	.	.	3.3	7	42	52	46	28400	360	7800	11.4	4800	100
NECE00251	06-34.4727-114.7909-4-61-000	.	.	.	7.4	27	156	55	222	107800	1480	15400	12.9	22600	280
NECE00351	06-34.4483-114.8319-4-61-000	.	.	.	3.9	9	14	60	69	25200	270	6600	10.0	2300	40
NECE00451	06-34.4335-114.8395-4-61-000	.	.	.	2.0	10	12	42	63	38400	620	14100	9.2	6700	110

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPH	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPH
NECE005S1	06-34.4303-114.8223-4-61-000	.	.	.	3.1	18	21	50	115	62000	830	13400	7.6	9700	150
NECE006S1	06-34.4596-114.7848-4-61-000	.	.	.	2.0	7	12	46	57	28100	490	14100	9.8	3067	60
NECE007S1	06-34.4496-114.7650-4-61-000	.	.	.	2.1	11	5	56	85	19100	520	15900	4.3	4500	80
NECE008S1	06-34.4717-114.8348-4-61-000	.	.	.	2.9	20	36	63	134	54900	720	13500	13.4	7400	100
NECE009S1	06-34.4611-114.8605-4-61-000	.	.	.	1.8	10	5	50	48	31400	590	20000	7.9	5200	90
NECE010S1	06-34.4399-114.8802-4-61-000	.	.	.	2.4	11	16	50	68	32000	500	-100	11.4	1300	80
NECE011S1	06-34.4754-114.8776-4-61-000	.	.	.	3.2	16	37	40	106	48800	850	15000	15.3	8100	110
NECE012S1	06-34.4735-114.9008-4-61-000	.	.	.	M	-2	-2	55	-10	2500	-20	-100	-0.2	-200	.
NECE013S1	06-34.4822-114.9331-4-61-000	.	.	.	2.7	10	14	55	81	30800	360	10400	8.2	1100	30
NECE014S1	06-34.4818-114.9667-4-61-000	.	.	.	2.6	20	17	45	113	34000	480	17600	2.9	5100	70
NECE015S1	06-34.4858-114.9961-4-61-000	.	.	.	M	5	18	45	22	3900	-20	-100	5.7	-200	20
NECE016S1	06-34.3676-114.9786-4-61-000	.	.	.	2.3	5	15	51	43	17600	290	10700	10.3	2000	30
NECE017S1	06-34.3607-114.9560-4-61-000	.	.	.	3.6	12	21	50	66	40800	620	13200	14.5	4500	80
NECE018S1	06-34.3477-114.9357-4-61-000	.	.	.	6.3	23	30	58	95	59600	740	10700	16.3	4700	140
NECE019S1	06-34.4862-114.8068-4-61-000	.	.	.	2.0	11	19	44	107	46700	860	21100	9.7	8800	110
NECE020S1	06-34.3749-114.7575-4-61-000	.	.	.	2.7	8	18	32	70	38500	460	10000	10.5	4700	100
NECE021S1	06-34.4591-114.8891-4-61-000	.	.	.	3.1	16	18	80	79	26400	420	73100	13.3	700	90
NECE022S1	06-34.4431-114.9010-4-61-000	.	.	.	2.8	18	33	60	135	56100	840	17000	10.4	7900	110
NECE023S1	06-34.4416-114.9175-4-59-000	.	.	.	M	13	17	63	61	20800	300	9400	9.5	2600	40
NECE024S1	06-34.4361-114.9296-4-61-000	.	.	.	4.4	17	22	62	44	42800	790	14100	14.2	5700	80
NECE025S1	06-34.4138-114.9429-4-61-000	.	.	.	4.0	19	29	53	135	44100	710	17100	14.2	5900	70
NECE026S1	06-34.4107-114.9661-4-61-000	.	.	.	2.9	10	17	42	54	25900	430	12900	10.7	3200	50
NECE027S1	06-34.4392-114.9795-4-61-000	.	.	.	3.7	18	20	52	115	45400	700	19700	11.5	5800	90
NECE028S1	06-34.4577-114.9879-4-61-000	.	.	.	2.7	17	16	52	85	38600	600	20300	10.5	5000	60
NECE029S1	06-34.3972-114.9428-4-61-000	.	.	.	3.6	15	31	36	82	34200	480	13800	8.6	4000	60
NECE030S1	06-34.4039-114.8994-4-61-000	.	.	.	3.5	11	15	28	73	30900	480	9300	13.1	3200	50
NECE031S1	06-34.3886-114.8669-4-61-000	.	.	.	8.9	51	44	40	250	126300	1880	11300	15.2	16600	290
NECE032S1	06-34.3604-114.9052-4-61-000	.	.	.	4.0	12	21	38	104	29500	480	11200	14.5	700	50
NECE033S1	06-34.3733-114.9446-4-61-000	.	.	.	M	-2	-2	34	-10	M	-20	-100	-0.2	-200	.
NECE034S1	06-34.3372-114.9800-4-61-000	.	.	.	4.9	26	38	30	96	59800	850	17100	13.7	6900	150
NECE035S1	06-34.3067-114.9878-4-61-000	.	.	.	5.8	25	83	48	161	60700	1180	16800	14.4	10300	120
NECE036S1	06-34.2740-114.9773-4-61-000	.	.	.	3.8	17	24	46	96	33800	500	12600	10.9	3700	50
NECF001S1	06-34.4785-114.7335-4-61-000	.	.	.	4.5	16	51	85	109	58300	580	9100	12.4	7000	110
NECF002S1	06-34.4831-114.7066-4-61-000	.	.	.	1.9	5	7	85	39	16600	250	7800	7.8	1500	20
NECF003S1	06-34.4873-114.6486-4-61-000	.	.	.	13.2	41	46	90	173	73400	750	8000	15.3	6800	150
NECF004S1	06-34.4636-114.6494-4-61-000	.	.	.	3.0	12	14	95	84	21700	340	9100	8.2	2400	40
NECF005S1	06-34.4304-114.6323-4-61-000	.	.	.	2.6	4	8	80	46	17400	290	8700	7.2	2300	40
NECF006S1	06-34.4333-114.6610-4-61-000	.	.	.	2.6	7	10	90	57	19700	310	8700	9.1	2100	50
NECF007S1	06-34.4338-114.6913-4-61-000	.	.	.	M	-2	-2	85	-10	M	-20	-100	M	M	.
NECF008S1	06-34.4459-114.7413-4-61-000	.	.	.	1.9	6	11	75	57	26000	620	-100	9.0	800	30
NECF009S1	06-34.4384-114.7244-4-61-000	.	.	.	M	-2	-2	65	-10	M	-20	-100	-0.2	M	-10
NECF010S1	06-34.4059-114.6531-4-61-000	.	.	.	3.7	12	30	75	96	106100	1080	9600	12.3	9600	330
NECF011S1	06-34.3694-114.6548-4-61-000	.	.	.	1.9	7	11	75	30	20700	330	11500	10.2	300	50
NECF012S1	06-34.3429-114.7328-4-61-000	.	.	.	4.0	13	23	85	111	61100	780	14200	12.8	5700	170
NECF013S1	06-34.3319-114.7173-4-61-000	.	.	.	2.3	9	10	80	89	37200	830	17200	14.4	4900	100
NECF014S1	06-34.3319-114.7173-4-61-000	.	.	.	2.5	12	9	75	55	29400	410	13800	8.9	1800	40
NECF015S1	06-34.3345-114.6537-4-61-000	.	.	.	2.8	10	12	85	53	21600	310	8100	7.8	2200	50
NECF016S1	06-34.3549-114.6540-4-61-000	.	.	.	3.2	12	14	75	55	47800	720	12300	11.5	5200	100
NECF017S1	06-34.4592-114.6845-4-61-000	.	.	.	2.0	11	13	60	65	32600	750	21300	7.5	7400	110
NECF018S1	06-34.3724-114.6897-4-61-000	.	.	.	2.5	11	10	65	53	24000	430	10000	8.3	2800	60
NECF019S1	06-34.3798-114.7299-4-61-000	.	.	.	2.7	14	14	70	38	46400	1010	21100	12.2	8100	140
NECF020S1	06-34.4029-114.7410-4-61-000	.	.	.	2.7	8	17	70	57	26000	400	10600	10.0	2900	60
NECF021S1	06-34.4255-114.7440-4-61-000	.	.	.	2.5	7	7	70	47	26100	330	8800	6.1	1500	30
NECF022S1	06-34.3979-114.7021-4-61-000	.	.	.	2.4	11	13	75	49	30800	490	12400	4.1	4000	80
NECF023S1	06-34.3710-114.6278-4-61-000	.	.	.	3.4	7	9	60	36	23600	390	9700	10.4	3100	60

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NECF024S1	06-34.3314-114.6305-4-61-000	.	.	.	2.7	6	16	60	42	18500	310	8000	7.4	1000	30
NECF025S1	06-34.2925-114.6563-4-61-000	.	.	.	3.1	14	12	54	75	28500	440	14200	9.0	3700	60
NECF026S1	06-34.2672-114.6502-4-61-000	.	.	.	2.6	6	10	50	40	18800	310	9600	10.9	900	40
NECF027S1	06-34.3272-114.6082-4-61-000	.	.	.	M	-2	-2	120	M	M	-20	M	M	M	M
NECF028S1	06-34.3227-114.5904-4-61-000	.	.	.	1.8	9	4	120	57	26100	-20	-100	6.2	-200	-10
NECF029S1	06-34.3469-114.5864-4-61-000	.	.	.	2.8	5	9	120	16	14100	210	3300	11.0	900	10
NECF030S1	06-34.3384-114.5659-4-61-000	.	.	.	2.6	5	13	80	57	14500	310	6300	11.4	1800	40
NECF031S1	06-34.3200-114.5467-4-61-000	.	.	.	2.2	10	8	65	39	24900	490	11900	9.4	3200	60
NECF032S1	06-34.2977-114.5240-4-61-000	.	.	.	4.0	10	25	63	56	26800	380	8700	13.5	2800	40
NECF033S1	06-34.3193-114.5207-4-61-000	.	.	.	3.2	8	22	65	47	29000	370	8000	13.1	2300	30
NECF034S1	06-34.3588-114.5495-4-61-000	.	.	.	2.3	16	12	70	95	36700	740	17100	8.9	6100	110
NECF035S1	06-34.-.-4-61-000	.	.	.	2.2	6	12	60	28	12700	260	6300	8.9	700	30
NECF036S1	06-34.4893-114.5660-4-61-000	.	.	.	7.1	22	28	64	95	42000	430	8000	9.8	4400	70
NECF037S1	06-34.4739-114.5379-4-61-000	.	.	.	7.3	37	22	50	113	85400	730	10800	4.3	7400	180
NECF038S1	06-34.4714-114.5082-4-61-000	.	.	.	5.9	21	21	50	79	49900	430	7900	9.0	3400	80
NECF039S1	06-34.4577-114.5061-4-61-000	.	.	.	29.9	118	60	62	184	196100	970	4700	8.9	8300	280
NECF040S1	06-34.4699-114.5669-4-61-000	.	.	.	3.8	21	18	46	105	45800	740	15000	5.3	6800	120
NECF041S1	06-34.4416-114.5517-4-61-000	.	.	.	3.6	5	19	44	23	9800	130	3300	9.0	1200	20
NECF042S1	06-34.4290-114.5672-4-61-000	.	.	.	4.0	10	19	42	47	46600	560	8300	12.6	2200	110
NECF043S1	06-34.4305-114.5870-4-61-000	.	.	.	2.1	12	9	42	47	41300	840	18900	7.4	7700	140
NECF044S1	06-34.4314-114.5234-4-61-000	.	.	.	2.2	15	14	36	65	39200	460	7900	7.2	3600	80
NECF045S1	06-34.4184-114.5421-4-61-000	.	.	.	4.0	30	24	43	139	62800	1220	17300	10.1	9700	190
NECF046S1	06-34.4023-114.5377-4-61-000	.	.	.	M	11	15	36	73	35500	720	16200	13.5	5600	90
NECF047S1	06-34.3845-114.5348-4-61-000	.	.	.	8.3	36	27	40	77	67200	820	14300	13.5	6900	120
NECF048S1	06-34.3685-114.5237-4-61-000	.	.	.	2.2	7	9	38	46	23100	1040	-100	9.6	M	50
NECF049S1	06-34.3835-114.5054-4-61-000	.	.	.	2.5	7	9	36	62	15200	880	6700	7.0	6500	50
NECF050S1	06-34.2503-114.6598-4-61-000	.	.	.	2.7	12	7	37	45	34100	510	13400	7.4	4700	90
NECF051S1	06-34.2616-114.6768-4-61-000	.	.	.	2.8	10	12	40	74	34100	670	11200	8.7	3000	60
NECF052S1	06-34.2788-114.6912-4-61-000	.	.	.	3.2	7	18	42	27	24900	320	6600	9.5	2200	40
NECF053S1	06-34.2814-114.7073-4-61-000	.	.	.	1.8	8	7	40	50	24400	480	12400	4.0	4200	80
NECF054S1	06-34.2591-114.5844-4-61-000	.	.	.	2.2	2	8	135	12	8800	200	4400	7.3	1500	20
NECF055S1	06-34.2620-114.5844-4-61-000	.	.	.	2.4	6	7	140	31	18400	400	7400	4.9	1100	30
NECF056S1	06-34.2675-114.6159-4-59-000	.	.	.	2.1	8	10	120	40	24500	570	14300	9.5	5100	70
NECF057S1	06-34.3029-114.5924-4-61-000	.	.	.	2.9	14	4	125	59	33300	570	12100	8.7	1500	60
NECF058S1	06-34.2867-114.6243-4-61-000	.	.	.	3.2	15	16	135	45	26100	580	12000	10.3	5200	70
NECF059S1	06-34.2660-114.5511-4-000	.	.	.	8.9	4	5	120	29	36300	880	1800	15.6	1500	140
NECF060S1	06-34.2798-114.5420-4-61-000	.	.	.	2.9	10	-2	125	-10	16800	460	9900	6.5	2300	40
NECF061S1	06-34.2898-114.5619-4-61-000	.	.	.	3.1	11	14	120	39	32800	750	16000	11.0	5400	80
NECF062S1	06-34.2635-114.5226-4-61-000	.	.	.	2.3	7	9	90	51	15900	340	8900	11.3	2200	40
NECF063S1	06-34.2782-114.5170-4-000	.	.	.	2.6	8	10	65	40	26000	340	6400	10.3	2800	50
NECG001S1	06-34.4732-114.4245-4-61-030	.	.	.	2.8	13	11	35	63	30700	560	12400	5.2	4600	100
NECG002S1	06-34.4712-114.4492-4-61-000	.	.	.	2.1	4	11	38	14	12400	220	5800	4.8	1500	30
NECG003S1	06-34.4713-114.4867-4-61-000	.	.	.	2.7	8	10	40	48	23700	490	9900	7.9	2900	60
NECG004S1	06-34.4469-114.4724-4-61-000	.	.	.	2.6	8	14	42	42	22500	350	9200	10.8	1400	50
NECG005S1	06-34.4264-114.4700-4-61-000	.	.	.	2.3	8	10	35	-10	M	490	10500	6.7	4600	70
NECG006S1	06-34.4191-114.4876-4-61-000	.	.	.	2.4	6	10	34	36	29500	390	8700	9.2	2700	50
NECG007S1	06-34.3956-114.4990-4-61-000	.	.	.	M	11	13	32	61	30900	470	10600	9.1	3400	70
NECG008S1	06-34.-.-4-61-000	.	.	.	4.5	33	48	35	184	160100	1550	8400	7.8	16600	370
NECG009S1	06-34.4233-114.4198-4-61-000	.	.	.	2.3	8	4	36	M	16900	250	5400	7.9	1800	40
NECG010S1	06-34.4097-114.4361-4-61-000	.	.	.	3.8	18	35	38	131	68100	880	12600	10.7	7500	200
NECG011S1	06-34.3896-114.4489-4-61-000	.	.	.	2.9	10	14	36	54	36700	610	14000	7.4	4500	80
NECG012S1	06-34.4578-114.4110-4-61-000	.	.	.	2.1	11	3	35	25	17300	260	5300	4.7	1000	40
NECG013S1	06-34.4458-114.3928-4-61-000	.	.	.	2.8	11	14	35	54	18200	440	9100	3.7	3100	60
NECG014S1	06-34.4180-114.3978-4-61-000	.	.	.	1.9	8	11	37	63	35200	960	16100	7.0	5300	110
NECG015S1	06-34.4011-114.3738-4-61-000	.	.	.	3.0	8	16	44	25	23100	460	5600	9.2	2400	50



TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NECG016S1	06-34.3849-114.3436-4-61-000	.	.	.	2.2	6	8	45	32	17300	340	6300	12.7	800	30
NECG017S1	06-34.3757-114.3202-4-61-000	.	.	.	2.2	13	10	46	66	34900	710	10500	9.2	4800	90
NECG018S1	06-34.4316-114.3687-4-61-000	.	.	.	2.9	10	14	55	44	19100	520	6000	9.4	1200	50
NECG019S1	06-34.4306-114.3418-4-61-000	.	.	.	3.0	8	17	52	43	25700	590	7300	8.6	3100	40
NECG020S1	06-34.4187-114.3186-4-61-000	.	.	.	2.6	6	13	50	29	31500	630	10000	8.9	3800	70
NECG021S1	06-34.3921-114.3151-4-61-000	.	.	.	2.1	7	20	62	58	23400	390	7600	9.6	2700	60
NECG022S1	06-34.3945-114.2884-4-61-000	.	.	.	2.9	6	7	60	43	21700	460	5700	7.2	2100	40
NECG023S1	06-34.3778-114.2734-4-61-000	.	.	.	2.4	12	21	45	67	57800	940	9500	8.8	6800	120
NECG024S1	06-34.3721-114.4503-4-61-000	.	.	.	2.1	7	8	35	35	24200	330	7700	10.2	700	50
NECG025S1	06-34.3576-114.4631-4-000	.	.	.	2.5	12	11	52	48	29200	490	8200	9.3	3000	60
NECG026S1	06-34.3710-114.4845-4-61-000	.	.	.	4.2	14	24	38	96	68300	900	11000	12.8	9200	190
NECG027S1	06-34.3501-114.4445-4-59-000	.	.	.	1.9	8	7	45	33	37500	690	6700	9.8	5400	90
NECG028S1	06-34.3970-114.4155-4-61-000	.	.	.	2.1	5	8	42	46	23400	290	4900	8.1	800	60
NECG029S1	06-34.3349-114.4736-4-61-000	.	.	.	M	8	10	32	39	24300	390	8600	8.9	2600	40
NECG030S1	06-34.3113-114.4663-4-61-000	.	.	.	2.9	7	12	42	53	22700	370	7700	8.6	3300	60
NECG031S1	06-34.3376-114.4275-4-61-000	.	.	.	3.0	11	26	34	88	35800	510	10600	12.6	3400	70
NECG032S1	06-34.3684-114.3674-4-61-000	.	.	.	4.3	18	25	56	70	30900	820	6500	10.4	3300	60
NECG033S1	06-34.3641-114.3372-4-61-000	.	.	.	1.7	7	10	34	35	36400	630	13600	5.6	4100	80
NECG034S1	06-34.3711-114.3143-4-61-000	.	.	.	2.0	6	10	24	33	30600	480	7800	10.8	2500	60
NECG035S1	06-34.3584-114.2898-4-61-000	.	.	.	2.6	11	21	28	58	29000	470	9600	8.6	2400	50
NECG036S1	06-34.3503-114.2709-4-61-000	.	.	.	2.7	12	13	34	32	34700	480	5900	9.5	3200	80
NECG037S1	06-34.3386-114.2548-4-61-000	.	.	.	1.1	3	3	35	28	25500	590	7900	9.7	2300	50
NECG038S1	06-34.3304-114.2883-4-61-000	.	.	.	2.5	9	29	65	95	51400	780	5600	11.1	3800	80
NECG039S1	06-34.3358-114.3176-4-61-000	.	.	.	3.1	10	23	58	61	38000	620	10100	7.0	4700	70
NECG040S1	06-34.3179-114.3306-4-61-000	.	.	.	2.3	9	15	60	69	31100	390	-100	8.9	800	70
NECG041S1	06-34.3204-114.3655-4-61-000	.	.	.	1.7	8	-2	54	91	27700	610	11800	10.8	3700	70
NECG042S1	06-34.4668-114.3571-4-59-000	.	.	.	2.2	7	11	43	M	16700	200	3600	5.9	1900	30
NECG043S1	06-34.4755-114.3267-4-61-000	.	.	.	5.1	26	30	52	156	54300	700	9800	11.0	3000	100
NECG044S1	06-34.4850-114.3029-4-61-000	.	.	.	3.4	11	6	65	51	23000	360	6800	6.8	900	30
NECG045S1	06-34.4983-114.2751-4-61-000	.	.	.	3.0	18	8	75	97	33600	540	9200	4.6	5300	70
NECG046S1	06-34.4749-114.2643-4-61-000	.	.	.	2.4	14	8	68	99	39800	740	18700	11.1	5200	90
NECG047S1	06-34.4439-114.2638-4-61-000	.	.	.	3.4	12	8	52	84	36000	480	8500	7.3	1600	40
NECG048S1	06-34.4556-114.2938-4-61-000	.	.	.	2.0	9	9	54	93	32700	620	19100	4.7	6600	100
NECG049S1	06-34.4949-114.3596-4-61-000	.	.	.	3.2	12	9	58	77	22700	390	6300	9.8	2300	40
NECG050S1	06-34.4962-114.3324-4-59-000	.	.	.	2.9	19	9	48	98	48500	640	10500	7.6	3700	90
NECG051S1	06-34.2668-114.2691-4-61-000	.	.	.	3.0	12	18	84	64	30000	770	10200	7.0	4700	100
NECG052S1	06-34.2833-114.2808-4-61-000	.	.	.	3.1	9	17	58	67	41300	790	8000	8.5	4100	90
NECG053S1	06-34.2992-114.2607-4-61-000	.	.	.	2.8	5	11	54	29	20100	420	5200	8.7	1600	30
NECG054S1	06-34.2550-114.3063-4-61-000	.	.	.	2.4	9	14	55	66	33100	560	12000	8.3	5700	90
NECG055S1	06-34.2556-114.3885-4-61-000	.	.	.	2.4	4	15	24	44	24200	430	10200	8.7	2400	50
NECG056S1	06-34.2709-114.4004-4-61-000	.	.	.	3.2	11	-2	35	82	38300	480	5800	9.4	2800	50
NECG057S1	06-34.2672-114.4593-4-61-000	.	.	.	3.5	17	16	58	62	34300	530	9000	9.3	3400	60
NECG058S1	06-34.2663-114.4810-4-61-000	.	.	.	2.5	9	13	34	44	27500	410	8800	8.3	3100	50
NECG059S1	06-34.2861-114.4839-4-61-000	.	.	.	2.1	3	15	42	32	33300	380	9000	10.0	2500	40
NECH001S1	04-34.2698-114.1410-4-61-000	.	.	.	2.7	7	14	40	59	25700	720	7900	9.1	3700	60
NECH002S1	06-34.2622-114.1493-4-61-000	.	.	.	2.3	4	9	30	45	19300	330	4700	10.2	1000	20
NECH003S1	04-34.2851-114.1743-4-59-000	.	.	.	2.8	6	13	25	54	25200	460	6900	8.4	3300	50
NECH004S1	04-34.3127-114.1843-4-61-000	.	.	.	3.3	12	15	40	69	21800	560	9900	8.5	5000	60
NECH005S1	04-34.3082-114.2136-4-61-000	.	.	.	M	10	95	45	64	24900	350	2600	11.3	2500	50
NECH006S1	04-34.3497-114.1962-4-59-000	.	.	.	2.2	10	15	40	72	35500	570	6400	10.3	2900	50
NECH007S1	04-34.3348-114.2113-4-61-000	.	.	.	4.0	28	34	50	202	46600	840	7400	12.9	5200	80
NECH008S1	04-34.3185-114.2379-4-61-000	.	.	.	3.0	5	17	25	-10	14500	310	4400	12.8	2500	50
NECH009S1	04-34.3360-114.2466-4-61-000	.	.	.	2.1	11	9	35	51	25300	650	7400	11.2	2700	50
NECH010S1	06-34.2625-114.1741-4-59-000	.	.	.	2.7	9	10	35	90	34900	620	7800	10.6	3800	60
NECH011S1	04-34.2756-114.1143-4-61-000	.	.	.	5.6	33	23	30	145	30300	560	16600	10.2	5800	90

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	TI PPM	V PPM
NECH012S1	04-34.2756-114.0649-4-61-000	.	.	.	4.0	28	15	25	148	51200	530	24600	8.9	5400	80
NECH013S1	04-34.2591-114.0539-4-61-000	.	.	.	3.8	30	23	15	114	69100	1340	14400	6.0	9600	200
NECH014S1	04-34.3219-114.1369-4-59-000	.	.	.	2.7	11	13	35	59	26100	400	6700	6.1	3900	50
NECH015S1	04-34.3458-114.1495-4-61-000	.	.	.	5.7	44	21	25	197	43000	790	25600	5.6	6900	110
NECH016S1	04-34.3629-114.1582-4-61-000	.	.	.	M	17	17	35	110	42200	570	8600	13.3	3700	70
NECH017S1	04-34.3820-114.1713-4-59-000	.	.	.	2.2	11	9	20	58	34200	470	8000	7.1	3800	60
NECH018S1	04-34.4039-114.1841-4-59-000	.	.	.	2.7	8	17	30	49	29900	410	5900	15.1	3200	50
NECH019S1	04-34.3110-114.1071-4-59-000	.	.	.	3.3	10	23	30	56	51200	730	9100	8.7	6100	70
NECH020S1	04-34.2537-114.1140-4-61-000	.	.	.	2.0	8	12	20	152	48500	970	8700	10.4	4700	80
NECH021S1	04-34.4311-114.1763-4-59-000	.	.	.	3.2	8	70	30	126	52100	600	7000	14.2	5400	80
NECH022S1	04-34.4543-114.1674-4-61-000	.	.	.	4.7	19	118	25	196	104900	880	7000	15.5	8200	230
NECH023S1	04-34.3867-114.2048-4-59-000	.	.	.	2.1	10	11	40	31	42400	1080	13000	5.8	6100	110
NECH024S1	04-34.4123-114.2071-4-59-000	.	.	.	2.3	8	7	30	55	28600	370	6300	9.5	2900	50
NECH025S1	04-34.4292-114.2223-4-59-000	.	.	.	3.2	10	15	20	70	34200	510	7500	7.3	4100	70
NECH026S1	04-34.4440-114.2426-4-59-000	.	.	.	2.7	9	7	30	63	33700	390	7500	5.7	3500	60
NECH027S1	04-34.4676-114.2475-4-61-000	.	.	.	2.3	15	15	30	72	35600	560	9600	11.1	1500	70
NECH028S1	04-34.4693-114.2178-4-59-000	.	.	.	3.0	12	13	30	50	40900	550	18500	7.0	6200	90
NECH029S1	04-34.4816-114.2011-4-59-000	.	.	.	3.0	14	9	30	83	40300	480	7500	10.8	3700	80
NECH030S1	04-34.4959-114.1915-4-59-000	.	.	.	2.4	13	31	40	163	43400	460	11700	14.0	3700	70
NECH031S1	04-34.4861-114.1561-4-59-000	.	.	.	2.4	13	15	20	74	45300	580	7800	9.5	2200	80
NECH032S1	04-34.4660-114.1598-4-000	.	.	.	2.6	9	37	25	107	68100	1210	9000	21.0	8800	150
NECH033S1	04-34.4728-114.1387-4-62-000	.	.	.	2.2	2	12	25	21	41700	960	4200	18.7	3000	60
NECH034S1	04-34.4884-114.1151-4-59-000	.	.	.	3.4	10	16	30	71	26400	320	5900	8.7	1200	30
NECH035S1	04-34.4861-114.0620-4-59-000	.	.	.	3.5	10	19	30	47	38800	590	7100	10.3	4300	70
NECH036S1	04-34.4743-114.0442-4-61-000	.	.	.	3.8	20	25	45	110	32800	510	8400	12.7	1200	60
NECH037S1	04-34.4864-114.0368-4-61-000	.	.	.	3.9	21	28	35	84	37200	540	6500	13.4	1500	90
NECH038S1	04-34.4589-114.0644-4-61-000	.	.	.	2.4	8	13	30	56	30000	460	7300	7.7	1600	60
NECH039S1	04-34.4397-114.0406-4-59-000	.	.	.	2.3	13	11	35	59	25500	410	9500	4.8	3000	60
NECH040S1	04-34.4467-114.0123-4-59-000	.	.	.	3.5	16	19	30	59	23300	470	5800	9.9	1200	50
NECH041S1	04-34.4564-114.0000-4-59-000	.	.	.	3.2	8	18	40	51	31400	300	4500	8.5	2400	40
NECH042S1	04-34.4026-114.0097-4-61-000	.	.	.	3.8	23	20	30	99	45900	680	12700	10.0	6200	110
NECH043S1	04-34.3849-114.0173-4-61-000	.	.	.	2.3	4	11	25	53	24500	340	7500	9.1	1200	30
NECH044S1	04-34.3746-114.0074-4-62-000	.	.	.	2.8	20	11	30	68	33800	440	9000	10.7	8000	60
NECH045S1	04-34.4032-114.0355-4-59-000	.	.	.	2.5	6	17	25	74	25800	400	6200	12.2	1300	50
NECH046S1	04-34.4060-114.0599-4-61-000	.	.	.	3.2	11	32	30	99	33100	540	9200	12.2	3700	60
NECH047S1	04-34.4279-114.0611-4-61-000	.	.	.	3.3	26	11	30	79	40600	1590	30500	5.2	5300	110
NECH048S1	04-34.4101-114.0938-4-61-000	.	.	.	2.3	5	27	20	25	22500	330	5200	12.6	2400	50
NECH049S1	04-34.4361-114.0982-4-61-000	.	.	.	6.6	29	181	30	123	245700	2590	4500	16.4	13400	500
NECH050S1	04-34.4539-114.1005-4-61-000	.	.	.	6.1	44	30	30	125	75800	1440	12600	15.8	12000	200
NECH051S1	04-34.4410-114.1521-4-61-000	.	.	.	2.8	7	16	30	55	21200	470	7000	16.2	3600	70
NECH052S1	04-34.4074-114.1480-4-59-000	.	.	.	M	12	33	30	69	43600	530	£900	10.9	2000	60
NECH053S1	04-34.3239-114.1135-4-61-000	.	.	.	6.2	19	12	62	95	32000	660	14000	12.0	4800	80
NECH054S1	04-34.3465-114.1111-4-61-000	.	.	.	2.8	11	12	56	80	35700	540	8800	10.4	3400	70
NECH055S1	04-34.3134-114.0869-4-61-000	.	.	.	1.6	2	10	46	79	55600	960	5900	20.0	5200	110
NECH056S1	04-34.3409-114.0620-4-61-000	.	.	.	2.1	15	17	46	145	45800	1150	8700	15.2	7600	110
NECH057S1	04-34.3532-114.0856-4-61-000	.	.	.	2.3	12	16	50	159	46400	870	5600	15.5	5200	80
NECH058S1	04-34.2969-114.0688-4-61-000	.	.	.	2.7	9	19	64	241	38900	2750	4800	23.9	2900	70
NECH059S1	04-34.3171-114.0515-4-61-000	.	.	.	2.4	7	18	62	158	45400	610	8100	16.6	6600	80
NECH060S1	04-34.3527-114.0373-4-61-000	.	.	.	2.7	6	14	60	120	37000	630	9700	10.7	4500	70
NECH061S1	04-34.3026-114.0307-4-61-000	.	.	.	2.4	8	20	56	153	39200	490	4900	14.3	4500	50
NECH062S1	04-34.3331-114.0231-4-61-000	.	.	.	M	8	21	64	137	35800	480	5900	13.9	1600	50
NEDA001S1	06-34.1185-115.9649-4-61-000	.	.	.	5.0	29	23	55	139	58700	580	14700	10.4	4500	120
NEDA002S1	06-34.1020-115.9691-4-61-000	.	.	.	9.1	34	44	55	130	44100	500	8400	13.4	8600	110
NEDA003S1	06-34.1257-115.9334-4-59-000	.	.	.	4.0	30	14	50	134	44600	620	17000	9.5	4100	90
NEDA004S1	06-34.1368-115.9111-4-59-000	.	.	.	4.0	24	19	50	140	37000	810	25200	7.4	6600	120

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEDA005S1	06-34.1215-115.8825-4-59-000	.	.	.	5.1	24	27	50	129	31300	440	13700	6.5	3200	60
NEDA006S1	06-34.1053-115.8797-4-61-000	.	.	.	6.1	46	25	55	166	59500	610	14800	17.3	4800	120
NEDA007S1	06-34.0982-115.9137-4-61-000	.	.	.	5.0	36	23	55	212	31300	530	19200	5.3	4400	90
NEDA008S1	06-34.0855-115.9099-4-61-000	.	.	.	9.2	84	19	60	219	124500	720	12600	14.8	5900	270
NEDA009S1	06-34.0537-115.9059-4-61-000	.	.	.	2.9	10	13	65	46	28500	360	10200	11.3	600	40
NEDA010S1	06-34.0461-115.8742-4-61-000	.	.	.	8.3	86	33	55	244	143900	1000	14800	9.1	7400	380
NEDA011S1	06-34.0363-115.8961-4-61-000	.	.	.	9.8	52	29	60	169	66200	810	-100	16.0	5900	130
NEDA012S1	06-34.0633-115.8871-4-61-000	.	.	.	9.3	49	30	75	109	49500	550	-100	16.1	2800	130
NEDA013S1	06-34.0946-115.8435-4-61-000	.	.	.	11.7	72	30	55	140	105300	910	13800	15.2	6900	240
NEDA014S1	06-34.0823-115.8715-4-61-000	.	.	.	7.9	31	29	55	94	49100	540	10500	15.9	4500	140
NEDA015S1	06-34.-.-4-61-000	.	.	.	4.4	19	17	50	77	35900	460	11700	12.9	2700	60
NEDA016S1	06-34.0810-115.8277-4-61-000	.	.	.	6.1	41	20	45	104	54100	770	16400	11.8	6100	150
NEDA017S1	06-34.0643-115.8276-4-61-000	.	.	.	5.5	22	20	58	76	34000	380	8600	15.1	2800	80
NEDA018S1	06-34.0356-115.8402-4-61-000	.	.	.	6.1	22	23	50	77	41000	520	9400	10.6	2900	70
NEDA019S1	06-34.0319-115.8235-4-61-000	.	.	.	3.6	26	16	55	79	45000	710	12700	14.0	4800	120
NEDA020S1	06-34.1462-115.8797-4-61-000	.	.	.	4.1	14	18	38	47	15800	220	7700	10.1	1600	30
NEDA021S1	06-34.1524-115.9239-4-59-000	.	.	.	7.2	32	41	45	130	33300	500	11400	12.0	3500	70
NEDA022S1	06-34.1390-115.9715-4-61-000	.	.	.	11.7	-2	40	50	M	M	700	5900	5.8	2200	130
NEDA023S1	06-34.1234-115.9871-4-61-000	.	.	.	9.0	72	45	70	260	87900	840	15700	16.1	6900	170
NEDA024S1	06-34.1594-115.9848-4-61-000	.	.	.	4.2	18	27	50	93	23600	380	12200	8.5	2900	50
NEDA025S1	06-34.1664-115.9986-4-59-000	.	.	.	4.0	27	19	50	129	36000	670	23600	11.1	3800	70
NEDA026S1	06-34.1213-115.8488-4-59-000	.	.	.	7.1	55	37	55	220	66300	880	19900	10.9	7100	160
NEDA027S1	06-34.1199-115.8176-4-61-000	.	.	.	3.4	16	18	47	76	31900	480	15300	10.1	2700	60
NEDA028S1	06-34.1210-115.7952-4-61-000	.	.	.	4.2	22	19	50	113	30800	430	14600	7.1	2200	60
NEDA029S1	06-34.1088-115.7876-4-61-000	.	.	.	10.0	81	60	55	302	103100	1160	13600	10.3	10200	250
NEDA030S1	06-34.0871-115.7748-4-61-000	.	.	.	4.9	25	18	50	112	48600	570	12800	11.9	3600	90
NEDA031S1	06-34.0699-115.7568-4-59-000	.	.	.	4.4	36	18	50	130	51600	860	22300	8.4	6100	120
NEDA032S1	06-34.0543-115.7609-4-61-000	.	.	.	4.7	23	-2	45	102	39900	500	12400	10.0	1400	70
NEDA033S1	06-34.0394-115.7516-4-61-000	.	.	.	10.0	32	33	40	91	52800	570	9800	16.5	4400	120
NEDA034S1	06-34.0383-115.7727-4-61-000	.	.	.	6.3	37	26	50	170	71100	1070	19100	17.9	8600	190
NEDA035S1	06-34.0453-115.7874-4-61-000	.	.	.	3.5	15	7	40	59	24100	380	11300	7.1	800	60
NEDA036S1	06-34.0581-115.7883-4-61-000	.	.	.	3.8	12	17	45	70	37400	380	9400	11.3	1900	50
NEDA037S1	06-34.1008-115.7601-4-61-000	.	.	.	5.4	34	21	45	116	38700	690	18500	12.9	5100	130
NEDA038S1	06-34.1215-115.7738-4-59-000	.	.	.	3.7	13	17	50	97	18400	310	12400	8.3	800	40
NEDA039S1	06-34.1174-115.7523-4-61-000	.	.	.	3.7	22	14	35	109	33300	510	18500	9.7	5300	70
NEDA040S1	06-34.1670-115.9336-4-61-000	.	.	.	5.9	53	30	45	251	49900	870	19600	9.2	7000	110
NEDA041S1	06-34.1666-115.9614-4-59-000	.	.	.	3.5	18	17	45	105	22300	490	19300	8.4	3000	60
NEDA042S1	06-34.1684-115.8953-4-59-000	.	.	.	3.2	17	16	45	84	20600	370	15500	8.0	2100	40
NEDA043S1	06-34.1640-115.8511-4-61-000	.	.	.	2.6	15	11	35	74	25900	480	18000	6.0	4000	50
NEDA044S1	06-34.1662-115.8202-4-59-000	.	.	.	3.5	21	16	50	110	30200	540	17200	7.6	4200	60
NEDA045S1	06-34.1846-115.8128-4-61-000	.	.	.	5.3	16	23	45	68	27700	340	12900	3.2	1200	50
NEDA046S1	06-34.1736-115.7898-4-61-000	.	.	.	4.2	24	26	50	119	35500	530	22300	11.5	4400	70
NEDA047S1	06-34.1897-115.7927-4-59-000	.	.	.	4.8	28	14	65	123	40100	640	21000	9.1	6000	100
NEDA048S1	06-34.2098-115.7948-4-61-000	.	.	.	4.9	20	20	40	83	38400	390	12400	11.1	3000	50
NEDA049S1	06-34.1897-115.7738-4-59-000	.	.	.	M	24	23	55	134	39300	620	23800	7.2	5500	100
NEDA050S1	06-34.1631-115.7550-4-61-000	.	.	.	3.4	19	15	45	111	34800	580	23600	11.5	4700	60
NEDA051S1	06-34.1805-115.8590-4-59-000	.	.	.	3.8	13	18	35	67	22000	370	12500	11.3	3200	50
NEDA052S1	06-34.1944-115.9058-4-59-000	.	.	.	3.4	20	8	35	91	30500	420	15700	7.2	2800	40
NEDA053S1	06-34.2184-115.9051-4-59-000	.	.	.	4.0	26	20	45	126	33800	630	20700	10.3	5000	100
NEDA054S1	06-34.2124-115.8629-4-61-000	.	.	.	7.0	43	36	45	189	51700	550	11600	11.2	3300	100
NEDA055S1	06-34.2283-115.8812-4-61-000	.	.	.	5.4	23	25	40	99	28200	360	12800	10.5	1600	70
NEDA056S1	06-34.2109-115.8383-4-59-000	.	.	.	4.8	30	26	55	126	44900	770	24400	11.1	6200	100
NEDA057S1	06-34.2236-115.8207-4-61-000	.	.	.	4.0	12	14	50	41	17000	320	12400	9.0	2700	50
NEDA058S1	06-34.1910-115.9298-4-61-000	.	.	.	4.8	24	13	38	149	28000	590	19100	12.3	2500	60
NEDA059S1	06-34.2052-115.9353-4-61-000	.	.	.	3.3	35	18	48	143	46100	570	18400	7.2	4200	90

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEDA06051	06-34.1954-115.9560-4-59-000	.	.	.	M	17	4	35	62	25400	860	-100	7.9	600	80
NEDA06151	06-34.2001-115.9803-4-61-000	.	.	.	2.1	11	7	38	62	23700	250	15500	6.3	1400	30
NEDA06251	06-34.2176-115.9963-4-61-000	.	.	.	2.9	20	14	65	59	30400	580	26200	8.2	4800	100
NEDA06351	06-34.2227-115.9766-4-59-000	.	.	.	6.4	42	28	85	188	48700	590	14600	10.4	4500	110
NEDB00151	06-34.0622-115.7450-4-61-000	.	.	.	4.8	19	17	42	127	43400	580	15600	8.4	4200	110
NEDB00251	06-34.0671-115.7235-4-61-000	.	.	.	4.9	8	2	60	31	37700	210	2100	3.2	1900	190
NEDB00351	06-34.0091-115.7192-4-61-000	.	.	.	4.0	19	17	48	73	24900	360	10200	12.3	1000	60
NEDB00451	06-34.0182-115.7331-4-59-000	.	.	.	3.6	12	14	48	43	19600	280	8600	10.5	2100	40
NEDB00551	06-34.0349-115.7423-4-61-000	.	.	.	11.0	82	44	49	256	140000	1130	11400	15.2	9300	320
NEDB00651	06-34.0498-115.7337-4-61-000	.	.	.	3.0	22	8	50	102	31300	530	17200	8.1	3500	80
NEDB00751	06-34.0527-115.7000-4-61-000	.	.	.	4.4	14	15	52	69	20800	290	11500	10.6	900	60
NEDB00851	06-34.0319-115.6915-4-61-000	.	.	.	3.2	15	11	66	47	28200	350	12200	10.0	2400	40
NEDB00951	06-34.0525-115.6737-4-59-000	.	.	.	3.1	15	14	40	77	32700	720	21800	10.4	5000	90
NEDB01051	06-34.1181-115.7440-4-59-000	.	.	.	4.1	19	17	40	40	20400	410	15000	10.6	1800	60
NEDB01151	06-34.1141-115.7175-4-59-000	.	.	.	2.8	17	10	36	86	21800	560	27100	8.0	3700	90
NEDB01251	06-34.0919-115.7126-4-61-000	.	.	.	2.5	20	9	45	79	28600	610	22900	9.5	4400	110
NEDB01351	06-34.1507-115.6929-4-59-000	.	.	.	M	16	15	42	73	23000	290	-100	7.0	600	40
NEDB01451	06-34.1791-115.7103-4-61-000	.	.	.	3.1	13	13	36	105	24900	460	19600	7.6	900	80
NEDB01551	06-34.1734-115.6845-4-59-000	.	.	.	4.9	22	9	34	78	34200	630	24500	9.0	5800	110
NEDB01651	06-34.2424-115.7229-4-59-000	.	.	.	3.5	15	14	32	91	27800	340	14600	9.5	1500	70
NEDB01751	06-34.2216-115.7205-4-61-000	.	.	.	3.8	11	13	30	62	11700	380	15800	8.1	3000	40
NEDB01851	06-34.2185-115.7381-4-59-000	.	.	.	2.3	17	7	34	76	25400	420	21100	7.1	2400	40
NEDB01951	06-34.1999-115.7205-4-59-000	.	.	.	4.7	16	18	30	65	19000	340	12400	5.9	2900	50
NEDB02051	06-34.1809-115.7312-4-59-000	.	.	.	2.9	19	15	36	106	22600	400	21200	8.4	3300	60
NEDB02151	06-34.1621-115.7185-4-59-000	.	.	.	3.6	17	15	36	105	59100	470	19400	7.8	4100	140
NEDB02251	06-34.1654-115.5405-4-59-000	.	.	.	3.5	18	10	35	84	24700	470	21000	9.0	2900	60
NEDB02351	06-34.1537-115.5608-4-59-000	.	.	.	3.8	17	16	30	54	22500	400	17500	8.0	2700	50
NEDB02451	06-34.1714-115.5611-4-59-000	.	.	.	2.8	16	11	26	67	32300	500	20000	3.3	3200	60
NEDB02551	06-34.1930-115.5615-4-59-000	.	.	.	3.2	17	14	38	107	28400	420	17900	7.4	1300	50
NEDB02651	06-34.1998-115.5394-4-59-000	.	.	.	3.1	20	12	32	85	30400	510	21600	10.7	3700	50
NEDB02751	06-34.2365-115.6231-4-61-000	.	.	.	3.3	24	13	44	119	31900	670	24300	5.5	5500	90
NEDB02851	06-34.2402-115.6456-4-59-000	.	.	.	4.8	20	11	40	115	28600	560	18700	7.6	3600	70
NEDB02951	06-34.2181-115.6196-4-61-000	.	.	.	3.6	21	18	50	58	20800	500	18000	10.7	1900	60
NEDB03051	06-34.1998-115.6160-4-59-000	.	.	.	4.6	22	19	41	159	29500	500	20000	10.5	5700	70
NEDB03151	06-34.1838-115.6010-4-59-000	.	.	.	4.9	28	18	32	120	32400	710	25400	9.1	4700	80
NEDB03251	06-34.1637-115.5790-4-59-000	.	.	.	2.2	8	8	32	58	16700	230	14600	6.1	1100	20
NEDB03351	06-34.1271-115.5634-4-59-000	.	.	.	4.4	20	21	22	120	32400	640	23500	11.9	6000	90
NEDB03451	06-34.1388-115.5777-4-59-000	.	.	.	7.7	17	30	38	120	38700	410	11200	11.8	3600	60
NEDB03551	06-34.1103-115.5522-4-59-000	.	.	.	3.4	15	14	30	111	31100	630	24700	7.7	4100	70
NEDB03651	06-34.1147-115.5087-4-59-000	.	.	.	2.5	21	11	30	107	32400	500	19000	4.5	4300	80
NEDB03751	06-34.1293-115.5389-4-59-000	.	.	.	2.7	12	11	28	74	16600	250	12300	6.3	1800	30
NEDB03851	06-34.0560-115.5069-4-61-000	.	.	.	2.7	10	5	24	63	17300	240	13600	5.5	1900	30
NEDB03951	06-34.0705-115.5172-4-59-000	.	.	.	3.5	18	12	22	77	29400	470	20000	7.3	4200	60
NEDB04051	06-34.0871-115.5261-4-59-000	.	.	.	3.5	14	17	24	32	20500	400	18800	5.9	1800	40
NEDB04151	06-34.0858-115.5438-4-59-000	.	.	.	3.6	13	16	36	69	22500	350	12300	8.6	2100	30
NEDB04251	06-34.0753-115.5677-4-59-000	.	.	.	2.7	18	11	36	89	35300	680	22900	7.6	5500	90
NEDB04351	06-34.0828-115.6437-4-59-000	.	.	.	3.9	21	15	54	57	42100	460	13200	12.5	2700	100
NEDB04451	06-34.0629-115.6447-4-62-000	.	.	.	3.0	18	8	56	67	64100	1080	7800	4.1	1200	170
NEDB04551	06-34.0679-115.6399-4-61-000	.	.	.	M	-2	-2	42	-10	M	-20	-100	M	-200	.
NEDC00151	06-34.1143-115.4934-4-59-000	.	.	.	3.2	9	11	32	36	9300	170	8300	8.8	1600	30
NEDC00251	06-34.1091-115.4721-4-59-000	.	.	.	3.8	20	12	40	79	20200	450	19100	6.5	3700	60
NEDC00351	06-34.1028-115.4495-4-59-000	.	.	.	2.7	18	9	34	71	27000	530	23500	5.2	4500	60
NEDC00451	06-34.0957-115.4248-4-59-000	.	.	.	2.8	7	8	28	36	11300	200	7300	7.6	1100	20
NEDC00551	06-34.0916-115.4009-4-59-000	.	.	.	3.6	12	-2	30	54	15700	200	12400	3.2	500	20
NEDC00651	06-34.0875-115.3786-4-59-000	.	.	.	3.7	11	13	30	91	26000	310	14300	10.9	2100	30

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEDC007S1	06-34.0819-115.3531-4-59-000	.	.	.	4.7	24	14	30	160	46600	900	28000	5.6	6500	90
NEDC008S1	06-34.0755-115.3293-4-59-000	.	.	.	3.9	11	15	28	42	14200	230	9400	7.5	1800	20
NEDC009S1	06-34.0705-115.3108-4-59-000	.	.	.	2.9	8	9	32	19	10900	320	18000	7.3	-200	20
NEDC010S1	06-34.0639-115.2861-4-59-000	.	.	.	2.5	15	11	34	67	16300	390	22000	6.6	1800	30
NEDC011S1	06-34.0565-115.2531-4-59-000	.	.	.	2.0	8	5	30	42	14200	190	12600	3.7	-200	30
NEDC012S1	06-34.0074-115.2513-4-59-000	.	.	.	3.7	20	21	26	89	24100	360	12500	7.4	2700	40
NEDC013S1	06-34.0233-115.2056-4-59-000	.	.	.	3.7	13	13	24	80	19600	410	18800	6.2	4300	70
NEDC014S1	06-34.0401-115.2717-4-59-000	.	.	.	3.2	13	20	25	68	40500	740	12700	12.5	4400	80
NEDC015S1	06-34.1170-115.2562-4-59-000	.	.	.	2.9	11	10	26	83	18200	270	14000	9.3	400	20
NEDC016S1	06-34.1009-115.2589-4-59-000	.	.	.	2.4	-2	13	32	M	M	460	24900	5.4	4200	40
NEDC017S1	06-34.0739-115.2652-4-59-000	.	.	.	2.1	10	8	30	48	14100	240	19700	4.2	600	30
NEDC018S1	06-34.0533-115.3120-4-59-000	.	.	.	4.8	20	11	22	116	18000	350	15400	6.6	1800	20
NEDC019S1	06-34.0369-115.2989-4-59-000	.	.	.	3.0	16	13	22	86	26800	420	20700	7.5	3600	50
NEDC020S1	06-34.0189-115.2846-4-59-000	.	.	.	3.4	23	13	26	130	35000	630	27400	4.1	6300	80
NEDC021S1	06-34.0983-115.3491-4-59-000	.	.	.	2.7	10	10	22	49	8100	620	-100	4.8	500	40
NEDC022S1	06-34.1158-115.3535-4-59-000	.	.	.	2.1	11	8	26	82	23000	400	26800	5.3	3500	40
NEDC023S1	06-34.1392-115.3645-4-59-000	.	.	.	3.3	10	7	28	51	14700	230	11200	4.3	500	30
NEDC024S1	06-34.1560-115.3725-4-59-000	.	.	.	3.0	18	10	24	107	17900	330	2100	4.2	3000	30
NEDC025S1	06-34.1730-115.3840-4-59-000	.	.	.	3.0	16	10	26	91	26000	610	29600	7.7	5800	70
NEDC026S1	06-34.0923-115.4884-4-61-000	.	.	.	4.3	12	17	42	93	31300	330	11500	8.2	3000	80
NEDC027S1	06-34.0838-115.4461-4-61-000	.	.	.	3.4	9	5	38	52	11000	900	-100	4.4	600	20
NEDC028S1	06-34.0554-115.4169-4-61-000	.	.	.	4.9	17	15	37	109	18800	340	13300	6.9	800	30
NEDC029S1	06-34.0542-115.4348-4-61-000	.	.	.	4.1	16	17	50	111	28000	450	16800	10.7	4500	60
NEDC030S1	06-34.0727-115.4320-4-61-000	.	.	.	5.0	23	20	50	47	30800	570	16500	7.1	2300	70
NEDC031S1	06-34.0572-115.3435-4-61-000	.	.	.	4.0	16	9	40	98	22000	350	12200	5.5	2000	30
NEDC032S1	06-34.0385-115.3219-4-61-000	.	.	.	6.0	51	15	50	249	38800	950	25600	4.5	7300	90
NEDC033S1	06-34.1008-115.3658-4-61-000	.	.	.	3.0	10	13	35	80	12900	290	16300	8.2	2500	30
NEDC034S1	06-34.1193-115.3741-4-61-000	.	.	.	2.7	6	12	42	46	4200	270	14200	5.7	600	30
NEDC035S1	06-34.1178-115.3977-4-61-000	.	.	.	1.5	13	5	34	63	16700	320	14400	2.6	2700	40
NEDC036S1	06-34.1258-115.4193-4-61-000	.	.	.	3.7	29	10	49	143	23400	470	19200	6.8	2600	40
NEDC037S1	06-34.1356-115.4489-4-61-000	.	.	.	2.4	8	7	44	42	9000	250	16200	6.8	1200	20
NEDC038S1	06-34.1291-115.4996-4-61-000	.	.	.	3.0	14	10	36	116	33300	610	25200	5.4	5000	60
NEDD001S1	06-34.1010-115.0012-4-59-000	.	.	.	4.2	9	26	20	59	20500	220	10500	6.2	2500	40
NEDD002S1	06-34.0971-115.0332-4-59-000	.	.	.	4.1	15	16	16	93	21500	300	16500	4.6	1200	40
NEDD003S1	06-34.0720-115.0026-4-59-000	.	.	.	2.2	12	9	18	131	43200	410	25400	4.4	5300	60
NEDD004S1	06-34.0753-115.0602-4-59-000	.	.	.	4.5	12	20	20	60	12600	250	10300	7.3	1100	40
NEDD005S1	06-34.0939-115.1060-4-59-000	.	.	.	3.4	12	16	22	51	15500	310	12600	5.8	1900	20
NEDD006S1	06-34.1549-115.1043-4-59-000	.	.	.	4.1	22	16	28	101	37100	520	17700	9.4	4300	60
NEDD007S1	06-34.1822-115.0997-4-59-000	.	.	.	4.0	11	18	20	75	14400	250	12700	11.0	2200	40
NEDD008S1	06-34.2021-115.0948-4-59-000	.	.	.	4.5	11	12	24	63	16900	320	16100	4.9	2000	20
NEDD009S1	06-34.2380-115.0753-4-59-000	.	.	.	2.0	12	6	24	66	25900	500	14700	6.8	3700	70
NEDD010S1	06-34.2097-115.0378-4-59-000	.	.	.	2.5	7	11	22	-10	22800	330	20800	7.4	1600	30
NEDD011S1	06-34.1948-115.0205-4-59-000	.	.	.	3.4	9	19	28	60	21500	340	11900	8.5	2500	30
NEDD012S1	06-34.1837-115.0053-4-59-000	.	.	.	2.8	11	10	20	59	28400	550	22400	12.1	4100	50
NEDD013S1	06-34.2481-115.1042-4- -000	.	.	.	3.8	9	9	20	77	17500	440	22100	6.7	3400	50
NEDD014S1	06-34.2187-115.1088-4- -000	.	.	.	2.3	-2	9	18	23	10100	200	14000	8.0	1600	10
NEDD015S1	06-34.1619-115.1329-4-61-000	.	.	.	3.1	10	12	26	57	23200	380	17000	4.9	1500	40
NEDD016S1	06-34.1238-115.1403-4-61-000	.	.	.	6.7	66	31	22	339	60400	730	17400	6.1	5900	100
NEDD017S1	06-34.1063-115.1579-4-61-000	.	.	.	5.3	15	18	20	83	17500	290	11800	6.9	-200	40
NEDD018S1	06-34.0895-115.1741-4-61-000	.	.	.	10.2	32	13	20	213	37500	570	13100	7.4	3700	50
NEDD019S1	06-34.0655-115.1763-4-59-000	.	.	.	3.0	-2	12	20	-10	52900	420	16100	4.2	4400	70
NEDD020S1	06-34.0718-115.1544-4-59-000	.	.	.	3.4	13	10	22	73	17600	330	13800	6.1	3700	40
NEDD021S1	06-34.0638-115.0331-4-59-000	.	.	.	3.6	9	18	18	65	22800	290	14500	6.5	700	20
NEDD022S1	06-34.0347-115.0332-4-59-000	.	.	.	3.6	14	14	20	83	22200	530	M	6.5	4300	90
NEDD023S1	06-34.0051-115.0236-4-59-000	.	.	.	4.3	10	14	28	62	21400	490	18500	7.5	3900	70

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEG/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEDD024S1	06-34.0195-115.0126-4-59-000	.	.	.	3.4	10	12	24	70	18000	280	11900	12.3	600	20
NEDD025S1	06-34.0509-115.0528-4-59-000	.	.	.	3.1	15	18	16	-10	26000	1710	-100	14.0	-200	120
NEDD026S1	06-34.0345-115.0749-4-59-000	.	.	.	2.9	15	11	22	86	27200	620	22400	6.1	4500	70
NEDD027S1	06-34.0939-115.0682-4-59-000	.	.	.	3.1	11	13	16	55	19400	310	15900	3.3	2000	30
NEDD028S1	06-34.0703-115.1010-4-59-000	.	.	.	3.2	12	10	24	89	26300	520	17700	7.7	5000	60
NEDD029S1	06-34.0826-115.1293-4-59-000	.	.	.	3.6	13	14	16	83	18400	370	16200	5.4	2700	50
NEDD030S1	06-34.0406-115.1157-4-59-000	.	.	.	2.7	6	10	18	31	13000	260	12500	8.2	500	20
NEDD031S1	06-34.0381-115.1438-4-61-000	.	.	.	3.1	15	13	18	83	28200	560	26100	4.8	5000	70
NEDD032S1	06-34.0561-115.2053-4-59-000	.	.	.	3.5	15	12	18	62	17200	290	13200	9.0	1500	50
NEDD033S1	06-34.0858-115.2216-4-61-000	.	.	.	11.1	55	41	26	299	47900	600	11000	6.7	4600	100
NEDD034S1	06-34.0946-115.2434-4-59-000	.	.	.	2.1	8	7	26	38	19700	470	21600	7.3	4100	50
NEDD035S1	06-34.1225-115.2476-4-61-000	.	.	.	2.9	12	10	22	71	15200	280	14100	8.1	-200	40
NEDD036S1	06-34.1452-115.2362-4-59-000	.	.	.	2.6	12	9	24	54	18700	410	19100	5.9	2800	40
NEDD037S1	06-34.1514-115.2211-4-59-000	.	.	.	3.6	8	14	20	53	20200	290	11800	7.3	1700	20
NEDD038S1	06- - - -4-59-000	.	.	.	2.8	23	12	28	38	20900	600	23900	7.9	4800	90
NEDD039S1	06-34.0426-115.1915-4-61-000	.	.	.	6.0	25	20	18	150	36800	560	17300	7.9	6000	90
NEDD040S1	06-34.0415-115.2159-4-61-000	.	.	.	3.0	20	28	18	104	38100	590	22600	10.1	5500	90
NEDD041S1	06-34.0038-115.2441-4-59-000	.	.	.	3.8	23	16	18	124	31100	440	22100	6.5	5200	50
NEDD042S1	06-34.0153-115.2263-4-61-000	.	.	.	3.7	22	12	24	126	26000	460	19600	8.7	3700	70
NEDD043S1	06-34.0325-115.2386-4-59-000	.	.	.	5.1	21	18	20	106	29900	370	15600	6.6	1600	40
NEDD044S1	06-34.0557-115.2468-4-59-000	.	.	.	2.0	12	9	20	52	11700	290	15500	3.2	2400	40
NEDD045S1	06-34.1235-115.1001-4-59-000	.	.	.	3.6	19	5	22	46	205700	1540	10800	5.2	1100	480
NEDD046S1	06-34.1235-115.0675-4-59-000	.	.	.	3.1	16	13	28	83	22800	480	M	6.0	4100	50
NEDD047S1	06-34.1236-115.0317-4-59-000	.	.	.	2.4	10	7	22	108	25000	430	28800	6.6	4800	50
NEDD048S1	06-34.1231-115.0104-4-59-000	.	.	.	2.8	8	11	18	52	16900	300	20100	6.5	3300	50
NEDD049S1	06-34.1571-115.0660-4-59-000	.	.	.	4.2	14	24	26	80	17900	330	15400	7.0	1800	40
NEDD050S1	06-34.1807-115.0718-4-59-000	.	.	.	3.0	17	14	16	94	29000	450	M	5.3	4700	40
NEDD051S1	06-34.2182-115.0724-4- -000	.	.	.	3.2	12	10	18	66	20800	340	21700	10.1	3100	40
NEDD052S1	06-34.2348-115.0430-4-59-000	.	.	.	3.9	18	24	16	72	37900	480	17700	7.9	4600	70
NEDD053S1	06-34.2081-115.0031-4-59-000	.	.	.	2.0	16	8	18	58	28300	590	25600	8.0	5000	60
NEDD054S1	06-34.2346-115.1514-4- -000	.	.	.	2.5	10	7	24	56	21700	420	31100	8.5	2400	30
NEDD055S1	06- - - -4- -000	.	.	.	2.7	16	3	24	73	42400	520	49100	8.0	2200	40
NEDD056S1	06-34.2371-115.2063-4-59-000	.	.	.	2.9	20	19	26	128	34300	560	M	8.3	4900	-10
NEDD057S1	06-34.2360-115.2473-4-59-000	.	.	.	2.6	13	11	22	90	19200	400	25200	5.7	3200	60
NEDD058S1	06-34.2237-115.2204-4-59-000	.	.	.	4.2	14	18	30	78	22900	360	-100	10.9	1100	40
NEDD059S1	06-34.2210-115.1778-4-59-000	.	.	.	3.6	15	13	22	115	20800	470	18000	8.5	3900	60
NEDD060S1	06-34.2037-115.1931-4-59-000	.	.	.	3.0	19	9	28	113	32600	760	32900	10.6	5700	80
NEDD061S1	06-34.1870-115.1593-4-59-000	.	.	.	3.4	14	12	26	70	27400	720	13400	8.8	10700	60
NEDD062S1	06-34.1613-115.1693-4-59-000	.	.	.	3.5	14	12	30	65	23300	850	-100	9.2	5200	80
NEDE001S1	06- - - -4-59-000	.	.	.	2.7	16	12	40	72	30400	630	23100	5.8	4900	80
NEDE002S1	06-34.0420-114.8507-4-59-000	.	.	.	4.6	26	26	45	110	44000	740	26600	12.5	6900	100
NEDE003S1	06-34.0501-114.8746-4-59-000	.	.	.	2.6	21	13	50	84	23600	430	23800	2.0	3600	50
NEDE004S1	06-34.0187-114.8510-4-61-000	.	.	.	4.6	19	27	40	149	44400	590	23800	9.3	6400	90
NEDE005S1	06-34.0042-114.8249-4-61-000	.	.	.	M	14	13	40	84	23200	740	10200	5.5	M	80
NEDE006S1	06-34.0114-114.8763-4-61-000	.	.	.	3.7	15	20	40	69	34900	490	15000	14.0	4800	90
NEDE007S1	06-34.0894-114.8766-4-61-000	.	.	.	5.0	21	30	40	105	52300	730	16700	9.4	2200	90
NEDE008S1	06-34.0984-114.9096-4-61-000	.	.	.	M	-2	-2	45	-10	M	-20	-100	-0.1	-200	.
NEDE009S1	06-34.0796-114.9119-4-59-000	.	.	.	3.0	10	13	40	85	29900	450	16900	9.6	3600	50
NEDE010S1	06-34.0939-114.9519-4-59-000	.	.	.	2.9	5	13	50	46	16500	250	12700	6.1	700	50
NEDE011S1	06-34.0781-114.9777-4-59-000	.	.	.	2.4	17	10	40	75	22600	400	25100	4.6	3700	50
NEDE012S1	06-34.0621-114.9774-4-59-000	.	.	.	1.9	9	12	35	58	13400	200	19800	4.5	600	30
NEDE013S1	06-34.1054-114.9677-4-59-000	.	.	.	1.9	5	7	45	41	12000	330	22800	7.8	2200	30
NEDE014S1	06-34.0987-114.9958-4-59-000	.	.	.	2.2	7	10	45	31	7900	150	10500	5.9	400	20
NEDE015S1	06- - - -4-61-000	.	.	.	5.2	22	35	45	159	83300	910	14400	13.6	7100	120
NEDE016S1	06-34.1140-114.8930-4-61-000	.	.	.	7.4	14	47	50	41	49800	460	6100	9.9	3200	110

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEDE017S1	06-34.1110-114.8616-4-61-000	.	.	.	8.5	49	51	45	178	89800	770	11200	12.6	6000	120
NEDE018S1	06-34.0770-114.8345-4-61-000	.	.	.	3.6	18	19	40	64	31400	770	14600	10.1	-200	90
NEDE019S1	06-34.0620-114.7952-4-61-000	.	.	.	5.8	10	-2	40	-10	18100	300	7100	4.1	2400	50
NEDE020S1	06-34.0468-114.8104-4-61-000	.	.	.	3.3	17	10	35	53	29800	470	20100	7.2	3500	50
NEDE021S1	06-34.0371-114.8922-4-61-000	.	.	.	3.8	12	-2	45	99	21300	400	16000	6.0	4100	60
NEDE022S1	06-34.0530-114.9309-4-59-000	.	.	.	2.7	12	18	45	62	17400	330	16900	8.1	2300	40
NEDE023S1	06-34.0353-114.9308-4-61-000	.	.	.	2.6	6	10	40	46	14200	230	13400	6.6	1800	40
NEDE024S1	06-34.0172-114.8975-4-61-000	.	.	.	7.4	16	40	40	95	38500	440	8200	13.8	4200	90
NEDE025S1	06-34.0207-114.9236-4-61-000	.	.	.	3.1	9	10	45	56	22300	270	8100	7.9	2100	40
NEDE026S1	06-34.0187-114.9297-4-61-000	.	.	.	2.0	17	25	45	98	42600	430	10800	10.8	4300	70
NEDE027S1	06-34.0607-114.7522-4-61-000	.	.	.	6.3	34	40	40	125	82000	1340	17700	10.7	9300	190
NEDE028S1	06-34.0446-114.7647-4-61-000	.	.	.	M	20	20	35	106	35300	560	17200	7.7	3500	70
NEDE029S1	06-34.0277-114.7720-4-61-000	.	.	.	5.3	14	31	35	67	31700	400	9300	8.0	3400	90
NEDE030S1	06-34.1030-114.7540-4-61-000	.	.	.	3.2	18	16	45	97	38500	820	21500	12.5	4900	70
NEDE031S1	06-34.0928-114.7803-4-59-000	.	.	.	M	5	12	30	36	14400	290	10100	8.5	2000	40
NEDE032S1	06-34.1084-114.7887-4-61-000	.	.	.	3.4	13	18	40	99	22100	610	17100	13.1	3500	70
NEDE033S1	06-34.0972-114.8039-4-59-000	.	.	.	2.6	8	7	50	68	25400	380	13000	8.5	2300	50
NEDE034S1	06-34.1263-114.9166-4-61-000	.	.	.	7.8	29	49	40	165	114300	850	6900	14.4	7700	240
NEDE035S1	06-34.0000-114.0000-4-61-000	.	.	.	3.1	12	16	40	81	34100	530	15100	8.5	4000	80
NEDE036S1	06-34.1504-114.8919-4-61-000	.	.	.	2.2	14	9	40	-10	M	640	23200	5.7	4700	80
NEDE037S1	06-34.1623-114.9241-4-61-000	.	.	.	4.3	13	24	50	68	38500	410	8100	13.6	3400	80
NEDE038S1	06-34.1377-114.9059-4-61-000	.	.	.	4.0	14	22	50	65	39600	690	14700	15.7	4000	80
NEDE039S1	06-34.1859-114.9351-4-61-000	.	.	.	3.4	4	15	50	-10	19500	270	7400	11.3	1800	30
NEDE040S1	06-34.1282-114.9507-4-59-000	.	.	.	4.2	15	24	50	78	38400	770	-100	12.6	-200	60
NEDE041S1	06-34.1463-114.9685-4-61-000	.	.	.	3.8	16	21	48	82	37900	610	14800	10.0	5400	80
NEDE042S1	06-34.1395-114.9813-4-59-000	.	.	.	3.0	12	12	50	69	25400	360	13300	7.1	1400	30
NEDE043S1	06-34.1664-114.9878-4-61-000	.	.	.	3.0	7	17	50	63	19300	290	9700	10.4	2500	40
NEDE044S1	06-34.1795-114.9991-4-59-000	.	.	.	2.9	14	16	50	164	28600	560	18000	6.1	5000	70
NEDE045S1	06-34.1905-114.9777-4-59-000	.	.	.	4.4	13	27	65	73	28500	450	12800	8.7	2000	50
NEDE046S1	06-34.1977-114.9917-4-59-000	.	.	.	4.0	11	20	60	82	41900	730	17000	9.5	-500	100
NEDE047S1	06-34.2223-114.9665-4-61-000	.	.	.	5.9	17	38	60	116	40200	560	10300	17.6	1700	60
NEDE048S1	06-34.2174-114.9862-4-61-000	.	.	.	6.7	25	50	60	139	62000	790	11500	16.0	6500	100
NEDE049S1	06-34.2290-114.9469-4-61-000	.	.	.	8.2	33	54	65	138	71400	1310	18200	15.5	10300	150
NEDE050S1	06-34.2427-114.9817-4-59-000	.	.	.	3.9	15	9	60	79	33200	590	12200	8.8	3700	80
NEDE051S1	06-34.2367-114.9982-4-59-000	.	.	.	3.4	8	14	60	35	24800	360	6500	11.1	2200	40
NEDE052S1	06-34.2467-114.9444-4-59-000	.	.	.	6.3	23	41	58	109	46900	750	12200	14.2	5300	80
NEDE053S1	06-34.2484-114.9092-4-61-000	.	.	.	2.5	16	8	50	58	33500	840	18000	10.7	4500	70
NEDE054S1	06-34.2156-114.7509-4-61-000	.	.	.	4.9	19	7	50	119	48000	1570	12100	17.6	5000	70
NEDE055S1	06-34.2469-114.7618-4-61-000	.	.	.	2.5	11	8	55	74	20600	550	18100	7.9	3000	50
NEDE056S1	06-34.2329-114.7691-4-59-000	.	.	.	4.2	16	18	50	105	59000	800	16000	10.2	4200	100
NEDE057S1	06-34.2460-114.7834-4-61-000	.	.	.	3.7	10	18	50	60	20700	380	9900	9.2	2500	60
NEDE058S1	06-34.2409-114.8071-4-61-000	.	.	.	3.1	20	12	55	92	43600	880	9700	16.1	3200	50
NEDE059S1	06-34.2361-114.8309-4-61-000	.	.	.	4.1	13	9	60	46	20700	320	8300	4.8	900	40
NEDE060S1	06-34.2310-114.8488-4-61-000	.	.	.	M	1	-2	58	-10	M	-20	-100	-0.3	-200	.
NEDE061S1	06-34.1849-114.7513-4-61-000	.	.	.	4.0	14	19	45	89	26800	610	13200	12.2	3100	60
NEDE062S1	06-34.1981-114.7742-4-61-000	.	.	.	5.4	27	25	60	109	58800	1220	13000	12.8	3100	100
NEDE063S1	06-34.1449-114.7514-4-61-000	.	.	.	7.3	19	26	50	92	41700	590	7800	12.3	3500	100
NEDE064S1	06-34.1575-114.7833-4-61-000	.	.	.	6.4	23	13	52	84	38100	1110	12600	12.4	3300	50
NEDE065S1	06-34.1918-114.8225-4-61-000	.	.	.	2.5	18	7	60	68	36400	880	18600	9.5	4900	60
NEDE066S1	06-34.2082-114.8267-4-61-000	.	.	.	M	-2	-2	65	-10	M	-20	-100	-0.2	M	.
NEDE067S1	06-34.1925-114.8413-4-61-000	.	.	.	5.5	15	27	60	66	34900	460	6900	11.7	700	50
NEDE068S1	06-34.1723-114.8305-4-61-000	.	.	.	4.1	15	24	55	119	52500	670	16900	7.3	6000	110
NEDE069S1	06-34.1578-114.8531-4-61-000	.	.	.	5.4	23	23	50	121	54300	510	11200	11.4	1500	70
NEDF001S1	06-34.2299-114.5430-4-61-000	.	.	.	2.5	6	9	80	38	20200	400	9300	8.4	2100	40
NEDF002S1	06-34.2330-114.5215-4-61-000	.	.	.	2.2	16	14	65	70	41500	880	17300	6.8	6500	130

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEDF003S1	06-34.2101-114.5465-4-59-000	.	.	.	2.6	9	12	70	30	21000	330	5200	7.0	2400	50
NEDF004S1	06-34.2102-114.5173-4-59-000	.	.	.	3.2	-2	-2	80	M	M	360	6100	12.8	1000	40
NEDF005S1	06-34.2013-114.5891-4-61-000	.	.	.	M	-2	-2	95	-10	M	-20	-100	-0.2	-200	.
NEDF006S1	06-34.2305-114.5861-4-61-000	.	.	.	M	-2	-2	75	M	M	370	10000	7.8	2300	50
NEDF007S1	06-34.2109-114.6140-4-61-000	.	.	.	2.9	8	7	85	32	20400	320	9500	6.7	2000	30
NEDF008S1	06-34.1063-114.5222-4-61-000	.	.	.	M	-2	-2	80	M	M	-20	-100	-0.2	-200	.
NEDF009S1	06-34.0738-114.5504-4-59-000	.	.	.	3.4	-2	-2	85	M	M	400	11600	8.4	2500	40
NEDF010S1	06-34.0809-114.5203-4-61-000	.	.	.	1.9	5	5	65	32	11000	220	6300	2.9	500	20
NEDF011S1	06-34.0448-114.5159-4-61-000	.	.	.	M	-2	-2	145	-10	M	-20	-100	-0.6	M	.
NEDF012S1	06-34.0501-114.5506-4-61-000	.	.	.	3.0	8	16	95	43	17500	360	9500	8.5	2300	40
NEDF013S1	06-34.0203-114.5476-4-61-000	.	.	.	3.7	9	17	130	57	22800	420	9800	8.0	2200	30
NEDF014S1	06-34.0204-114.5242-4-61-000	.	.	.	M	-2	-2	125	-10	M	-20	-100	-0.2	-200	.
NEDF015S1	06-34.0467-114.5875-4-61-000	.	.	.	2.9	9	4	95	34	19900	510	79400	9.9	4000	40
NEDF016S1	06-34.0222-114.6108-4-61-000	.	.	.	2.7	9	8	90	74	31300	470	11600	7.2	4900	50
NEDF017S1	06-34.0140-114.5967-4-61-000	.	.	.	2.6	5	9	80	30	13600	260	7500	8.2	1400	20
NEDF018S1	06-34.0475-114.6156-4-61-000	.	.	.	4.5	13	15	70	65	28000	430	12000	12.0	3500	70
NEDF019S1	06-34.0741-114.6112-4-61-000	.	.	.	M	-2	-2	70	-10	M	-20	-100	M	M	.
NEDF020S1	06-34.0763-114.5874-4-59-000	.	.	.	3.8	12	10	80	67	29100	500	14600	8.2	3900	70
NEDF021S1	06-34.1095-114.6186-4-61-000	.	.	.	4.3	12	23	65	67	29400	510	11300	10.9	2900	50
NEDF022S1	06-34.1086-114.5881-4-59-000	.	.	.	2.5	9	10	75	50	20500	280	9100	7.4	1700	30
NEDF023S1	06-34.1086-114.5517-4-59-000	.	.	.	2.6	10	13	85	-10	M	410	12900	9.4	3300	60
NEDF024S1	06-34.1801-114.5146-4-61-000	.	.	.	2.5	7	13	85	49	17200	300	9000	10.2	1000	40
NEDF025S1	06-34.1448-114.5198-4-61-000	.	.	.	2.4	8	18	80	43	16800	330	9600	8.1	2000	30
NEDF026S1	06-34.1724-114.5578-4-61-000	.	.	.	3.3	19	16	75	104	46900	660	12700	11.6	6100	80
NEDF027S1	06-34.1446-114.5533-4-59-000	.	.	.	3.1	-2	-2	85	M	M	340	8500	13.1	800	40
NEDF028S1	06-34.1736-114.5900-4-61-000	.	.	.	3.0	8	15	80	57	23700	440	10300	11.1	1700	60
NEDF029S1	06-34.1590-114.5894-4-61-000	.	.	.	2.7	19	12	90	81	30800	640	14400	5.3	5700	80
NEDF030S1	06-34.1754-114.6112-4-59-000	.	.	.	2.1	10	15	75	44	18800	350	8900	9.7	2400	50
NEDF031S1	06-34.1434-114.6205-4-59-000	.	.	.	3.3	9	14	85	51	20900	320	8400	9.1	1800	30
NEDF032S1	06-34.1084-114.7339-4-59-000	.	.	.	3.4	12	13	95	58	26100	520	15400	8.9	4400	60
NEDF033S1	06-34.1029-114.6954-4-59-000	.	.	.	2.8	19	10	90	63	32900	740	21700	8.3	4800	80
NEDF034S1	06-34.1027-114.6552-4-61-000	.	.	.	3.4	8	17	95	19	30500	890	-100	9.3	M	70
NEDF035S1	06-34.0938-114.6393-4-61-000	.	.	.	3.5	11	21	95	66	25500	400	9800	10.7	2400	40
NEDF036S1	06-34.0769-114.6398-4-61-000	.	.	.	4.4	26	23	95	102	44600	660	15600	15.1	4800	100
NEDF037S1	06-34.0771-114.6718-4-61-000	.	.	.	3.6	11	15	90	69	27400	510	12500	10.6	2900	60
NEDF038S1	06-34.0678-114.6869-4-61-000	.	.	.	4.5	11	23	95	62	31900	450	9500	11.4	1100	60
NEDF039S1	06-34.0446-114.6629-4-61-000	.	.	.	7.4	28	46	85	121	84900	680	11900	10.0	5000	120
NEDF040S1	06-34.0180-114.6667-4-61-000	.	.	.	M	17	23	75	85	56400	450	8400	6.2	3000	70
NEDF041S1	06-34.0142-114.6385-4-61-000	.	.	.	2.8	16	15	80	82	36300	610	17200	5.5	4500	80
NEDF042S1	06-34.0308-114.6925-4-59-000	.	.	.	3.5	14	-2	85	63	31500	480	13200	7.7	3800	70
NEDF043S1	06-34.0476-114.6979-4-59-000	.	.	.	M	8	14	80	64	21500	320	9400	8.7	700	40
NEDF044S1	06-34.0708-114.7338-4-59-000	.	.	.	3.3	10	15	75	64	16700	290	8800	10.8	800	30
NEDF045S1	06-34.0487-114.7321-4-61-000	.	.	.	4.6	15	21	85	87	29100	490	12900	11.6	2800	40
NEDF046S1	06-34.0281-114.7336-4-61-000	.	.	.	4.9	15	23	95	91	26300	540	12700	12.3	3800	60
NEDF047S1	06-34.2357-114.6426-4-61-000	.	.	.	M	-2	-2	50	M	M	-20	M	M	M	.
NEDF048S1	06-34.2470-114.6647-4-61-000	.	.	.	3.2	21	21	50	80	43400	690	13100	10.6	4900	90
NEDF049S1	06-34.2313-114.6838-4-61-000	.	.	.	2.6	15	13	50	78	44900	560	17600	10.4	5700	70
NEDF050S1	06-34.2334-114.7040-4-61-000	.	.	.	2.6	10	14	50	53	31100	740	20900	6.7	5400	80
NEDF051S1	06-34.1904-114.6390-4-61-000	.	.	.	3.1	13	7	43	-10	21400	380	10500	6.7	1300	40
NEDF052S1	06-34.1989-114.6708-4-61-000	.	.	.	3.2	10	19	40	75	35300	470	12200	13.4	3300	50
NEDF053S1	06-34.1776-114.6597-4-61-000	.	.	.	3.3	15	18	50	82	44500	640	14400	12.2	5700	80
NEDF054S1	06-34.1642-114.6690-4-61-000	.	.	.	3.8	16	23	51	64	33100	630	15400	14.1	5100	80
NEDF055S1	06-34.1802-114.6855-4-61-000	.	.	.	3.3	12	16	46	47	29400	450	11300	12.8	2100	40
NEDF056S1	06-34.1996-114.7008-4-59-000	.	.	.	3.7	21	28	50	149	66600	1160	19600	8.2	9900	170
NEDF057S1	06-34.1369-114.7005-4-61-000	.	.	.	4.4	15	20	40	64	33400	360	9400	5.9	1600	40



TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD M.Q./L	U PPM	TH PPM	H <sup>F</sup> PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	T1 PPM	V PPM
NEDF058S1	06-34.1573-114.7143-4-61-000	.	.	.	4.6	11	26	43	58	32100	560	11100	12.5	3700	60
NEDF059S1	06-34.1783-114.7306-4-59-000	.	.	.	5.1	28	33	48	132	70700	1090	15600	6.7	10800	180
NEDF060S1	06-34.2044-114.7389-4-61-000	.	.	.	6.7	23	48	43	107	52700	760	11400	13.5	6500	120
NEDF061S1	06-34.1268-114.7226-4-61-000	.	.	.	5.6	20	35	50	90	32400	630	10100	14.1	1900	50
NEDF062S1	06-34.1439-114.7318-4-61-000	.	.	.	9.1	38	55	40	197	65400	1100	10300	16.8	3200	90
NEDF063S1	06-34.1549-114.6352-4-61-000	.	.	.	4.0	12	25	40	80	49600	580	12000	13.0	3600	70
NEDF064S1	06-34.1409-114.6537-4-61-000	.	.	.	5.4	22	32	40	116	52000	740	14100	15.4	6000	100
NEDG001S1	06- . . . -4-61-000	.	.	.	2.8	6	13	46	-10	16900	-20	-100	7.5	200	20
NEDG002S1	06-34.2038-114.3659-4-61-000	.	.	.	2.7	11	12	52	45	33800	420	9700	7.5	3000	60
NEDG003S1	06-34.2182-114.3401-4-61-000	.	.	.	3.6	15	21	65	41	32300	450	8200	12.0	2700	50
NEDG004S1	06-34.2246-114.3159-4-61-000	.	.	.	2.9	17	8	64	110	30200	1180	8700	7.2	4800	80
NEDG005S1	06-34.2456-114.2980-4-61-000	.	.	.	2.8	9	16	56	62	25900	300	7700	10.6	1500	30
NEDG006S1	06-34.2270-114.3731-4-61-000	.	.	.	2.2	8	12	42	65	36400	740	14400	7.3	5200	80
NEDG007S1	06-34.2362-114.3808-4-61-000	.	.	.	2.5	7	12	38	38	23200	400	8600	8.7	2800	50
NEDG008S1	06-34.2070-114.3974-4-61-000	.	.	.	2.1	8	10	56	57	28100	900	9800	6.6	4300	70
NEDG009S1	06-34.2203-114.4295-4-61-000	.	.	.	2.0	8	11	44	44	24700	450	8200	8.4	2600	50
NEDG010S1	06-34.2431-114.4581-4-61-000	.	.	.	2.6	10	12	45	63	33000	440	10100	8.2	4500	80
NEDG011S1	06-34.2053-114.4484-4-61-000	.	.	.	2.9	11	19	38	70	33700	520	12700	5.6	4000	70
NEDG012S1	06-34.2013-114.4839-4-61-000	.	.	.	2.8	7	14	38	44	20100	300	6500	7.9	1300	40
NEDG013S1	06-34.1781-114.4825-4-59-000	.	.	.	2.2	9	11	40	36	27200	440	10800	8.2	3600	70
NEDG014S1	06-34.1522-114.4716-4-59-000	.	.	.	3.0	10	10	38	61	20800	300	5800	7.3	1900	40
NEDG015S1	06-34.1271-114.4525-4-61-000	.	.	.	4.6	20	31	42	108	54100	750	9900	8.3	7900	120
NEDG016S1	06-34.1184-114.4537-4-61-000	.	.	.	3.0	12	21	42	56	30200	400	8600	9.3	3200	60
NEDG017S1	06-34.1138-114.4799-4-61-000	.	.	.	2.2	5	8	36	41	19000	290	7900	8.5	1900	30
NEDG018S1	06-34.0943-114.4542-4-61-000	.	.	.	M	-2	-2	38	-10	M	-20	M	-0.4	-200	-10
NEDG019S1	06-34.0754-114.4799-4-59-000	.	.	.	3.2	12	18	36	35	16500	380	10400	9.5	2600	50
NEDG020S1	06-34.0479-114.4806-4-61-000	.	.	.	2.5	12	9	48	44	30900	580	13000	9.9	3900	70
NEDG021S1	06-34.1870-114.4440-4-61-000	.	.	.	3.1	9	25	30	48	25200	490	6500	7.2	3300	70
NEDG022S1	06-34.1752-114.4122-4-59-000	.	.	.	3.0	9	14	42	50	27100	350	7300	8.4	800	30
NEDG023S1	06-34.1584-114.3874-4-61-000	.	.	.	3.0	14	12	38	44	21100	410	7600	7.6	4300	60
NEDH001S1	04-34.1325-114.1835-4-59-000	.	.	.	5.2	17	26	45	60	23500	690	6000	7.7	2900	50
NEDH002S1	04-34.1271-114.1610-4-59-000	.	.	.	2.3	6	13	30	31	11600	190	4800	6.1	1700	30
NEDH003S1	04-34.1167-114.1290-4-61-000	.	.	.	5.7	12	49	30	91	46200	520	4100	10.1	4200	70
NEDH004S1	04-34.1153-114.0993-4-61-000	.	.	.	2.1	7	12	30	40	44200	650	11100	7.0	6700	110
NEDH005S1	04-34.1235-114.0756-4-59-000	.	.	.	2.8	9	16	32	72	27300	370	6500	8.6	2500	60
NEDH006S1	04-34.1526-114.0591-4-59-000	.	.	.	2.7	11	12	40	45	27400	500	10300	7.6	3300	60
NEDH007S1	04-34.1752-114.0531-4-59-000	.	.	.	3.2	10	17	50	64	27000	410	8300	6.7	3100	50
NEDH008S1	04-34.2107-114.0082-4-61-000	.	.	.	4.4	15	21	70	66	34100	700	7400	8.9	3300	60
NEDH009S1	04-34.2036-114.0103-4-59-000	.	.	.	4.2	19	9	100	113	19500	190	2600	7.8	1100	30
NEDH010S1	04-34.1924-114.0254-4-61-000	.	.	.	2.9	13	18	38	114	29600	860	12900	8.7	5300	100
NEDH011S1	04-34.1991-114.0667-4-59-000	.	.	.	2.7	6	14	40	33	13600	280	6200	7.0	800	30
NEDH012S1	04-34.2132-114.0836-4-61-000	.	.	.	2.7	5	12	40	41	17200	40	-100	6.1	-200	30
NEDH013S1	04-34.2330-114.0805-4-61-000	.	.	.	1.8	6	4	25	28	29300	620	9500	7.4	4400	70
NEDH014S1	04-34.1602-114.1194-4-61-000	.	.	.	2.3	9	11	22	57	30000	600	11800	6.6	4700	80
NEDH015S1	04-34.1549-114.1487-4-59-000	.	.	.	1.8	6	6	28	35	26100	600	12000	5.1	5800	70
NEDH016S1	04-34.1588-114.1805-4-62-000	.	.	.	2.9	8	6	24	37	20200	3460	600	8.1	1200	40
NEDH017S1	04-34.1580-114.2088-4-61-000	.	.	.	3.9	13	32	28	63	30600	540	7500	7.5	4200	80
NEDH018S1	06-34.2454-114.1768-4-59-000	.	.	.	M	-2	-2	34	-10	M	-20	-100	-0.3	M	.
NEDH019S1	06-34.2205-114.2097-4-59-000	.	.	.	3.3	5	11	26	32	11300	270	5900	3.4	20700	30
NEDH020S1	06-34.2436-114.2209-4-59-000	.	.	.	3.3	18	13	85	62	26900	630	4300	9.6	3000	50
NEDH021S1	06-34.2295-114.2310-4-59-000	.	.	.	5.3	30	38	45	114	53600	930	6200	9.6	5200	110
NEDH022S1	04-34.1989-114.2193-4-59-000	.	.	.	2.5	8	9	25	45	15100	380	4100	7.9	1000	30
NEDH023S1	04-34.2250-114.1882-4-59-000	.	.	.	1.2	3	6	30	22	10500	190	8600	8.2	11400	20
NEDH024S1	04-34.1982-114.1405-4-61-000	.	.	.	2.2	9	14	26	134	77400	1300	15800	9.2	12400	180
NEDH025S1	04-34.1990-114.1463-4-62-000	.	.	.	8.5	6	5	42	M	44600	2400	1900	2.7	1300	20

TABLE B-1 TABULATION OF KEY FIELD MEASUREMENTS AND ANALYTICAL DATA ---- NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D. *****	DOE I.D.	PH	COND. UM/CM	AKMXD MEQ/L	U PPM	TH PPM	HF PPM	SCINT CPS	CE PPM	FE PPM	MN PPM	NA PPM	SC PPM	TI PPM	V PPM
NEDH026S1	04-34.2257-114.1404-4-61-000	.	.	.	2.4	12	22	26	91	87900	1000	12900	12.5	9200	130
NEDH027S1	04-34.2145-114.1511-4-59-000	.	.	.	16.3	59	12	150	182	78100	360	6700	6.8	2100	50
NEDH028S1	04-34.2181-114.1613-4-61-000	.	.	.	3.2	10	28	35	59	43400	830	3700	9.1	1600	80
NEDH029S1	04-34.1878-114.1869-4-59-000	.	.	.	4.7	16	13	50	52	38600	420	5100	6.9	1700	40
NEDH030S1	04-34.1833-114.2009-4-59-000	.	.	.	10.3	12	10	24	-10	45400	1240	2600	4.8	3200	60
NEDH031S1	04-34.1125-114.1980-4-59-000	.	.	.	4.0	17	28	36	60	35400	640	6000	8.3	3600	70
NEDH032S1	04-34.0856-114.2031-4-59-000	.	.	.	2.0	6	12	18	26	15800	240	7200	3.5	1800	40
NEDH033S1	06-34.0960-114.1754-4-59-000	.	.	.	2.2	5	13	16	26	16700	250	6300	3.7	2200	50
NEDH034S1	06-34.0943-114.1405-4-59-000	.	.	.	1.4	11	6	20	-10	18200	230	7200	2.5	2100	40
NEDH035S1	04-34.0591-114.2036-4-59-000	.	.	.	1.6	5	11	16	M	M	230	6900	3.6	2500	40
NEDH036S1	06-34.0632-114.1766-4-59-000	.	.	.	3.1	8	16	18	49	22700	380	7800	6.7	3500	60
NEDH037S1	06-34.0654-114.1430-4-59-000	.	.	.	M	10	27	20	45	20700	270	4600	5.2	2700	50
NEDH038S1	04-34.0361-114.2088-4-59-000	.	.	.	M	8	24	20	71	23000	330	5000	5.5	2200	50
NEDH039S1	06-34.0356-114.1793-4-59-000	.	.	.	2.5	19	13	20	89	24800	510	7900	4.3	3600	80
NEDH040S1	06-34.0364-114.1496-4-59-000	.	.	.	3.3	8	21	18	36	17800	310	4900	5.5	1000	50
NEDH041S1	04-34.0103-114.2158-4-59-000	.	.	.	M	11	26	22	54	26700	420	5200	5.1	2700	60
NEDH042S1	06-34.0117-114.1799-4-59-000	.	.	.	3.1	16	20	21	42	32100	550	6500	4.2	4000	90
NEDH043S1	06-34.0117-114.1474-4-59-000	.	.	.	3.8	10	25	20	63	25800	490	6300	5.3	1700	70
NEDH044S1	04-34.1316-114.0067-4-61-000	.	.	.	2.7	7	12	40	38	27100	-20	-100	10.5	1800	50
NEDH045S1	04-34.1471-114.0398-4-61-000	.	.	.	3.3	14	18	40	M	34800	520	8700	2.8	4700	90
NEDH046S1	04-34.1303-114.0384-4-61-000	.	.	.	3.1	7	14	48	35	16800	280	6500	6.7	2200	40
NEDH047S1	04-34.1098-114.0105-4-59-000	.	.	.	2.2	4	8	28	23	13600	180	4200	3.5	700	30

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

35

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEAA001	55000	M	-0.5	0	6	-1.0	M
NEAA002	53700	2.1	-0.8	41	6	2.5	0.3
NEAA003	56500	M	-0.4	43	7	-1.0	0.4
NEAA004	50300	0.4	-0.7	18	3	1.6	0.2
NEAA005	53600	0.2	-0.7	41	8	2.8	0.3
NEAA006	58000	M	-0.3	136	5	-1.0	0.2
NEAA007	53400	M	4.4	30	5	-1.0	0.2
NEAA008	53700	M	-0.7	0	5	-1.0	0.2
NEAA009	57100	0.8	-0.1	40	11	-1.0	M
NEAA010	55200	1.2	-0.6	35	6	-1.0	0.2
NEAA011	58300	M	-0.8	42	7	1.9	0.4
NEAA012	55200	M	-0.2	35	3	-1.0	M
NEAA013	53500	0.3	2.4	39	6	-1.0	0.3
NEAA014	50300	0.5	-0.6	34	6	4.8	0.4
NEAA015	63100	0.2	2.7	45	8	5.7	0.6
NEAA016	53000	M	0.8	29	5	-1.0	M
NEAA017	54200	M	-0.1	27	5	2.0	0.2
NEAA018	51900	M	-0.7	34	6	1.7	0.3
NEAA019	53900	M	-0.2	54	11	-1.0	0.4
NEAA020	56200	0.9	2.1	-5	4	-1.0	0.3
NEAA021	52700	M	-0.6	29	5	2.0	0.3
NEAA022	54000	M	2.8	39	13	-1.0	0.3
NEAA023	51800	0.4	-0.7	40	7	2.7	0.4
NEAA024	37600	3.7	-0.6	36	6	2.3	0.4
NEAA025	52000	0.2	1.4	45	7	-1.0	0.5
NEAA026	54400	M	-0.8	38	6	-1.0	0.3
NEAA027	53400	M	-0.1	0	6	-1.0	0.2
NEAA028	56700	0.7	-0.6	38	8	-1.0	M
NEAA029	54500	0.2	-0.6	32	5	2.1	0.3
NEAA030	45500	2.9	-1.0	35	5	1.9	0.4
NEAA031	52800	M	2.3	33	5	4.6	M
NEAA032	53000	0.3	-0.6	27	5	2.8	0.1
NEAA033	36300	3.9	-0.3	25	6	-1.0	M
NEAA034	52900	0.6	0.8	43	6	-1.0	0.3
NEAA035	47200	0.7	-0.7	39	6	2.0	0.4
NEAA036	54300	0.3	-0.6	30	5	2.0	M
NEAA037	52900	M	-1.0	38	5	5.6	0.3
NEAA038	56000	M	3.2	39	5	-1.0	M
NEAA039	50400	M	-0.5	0	6	-1.0	M
NEAA040	55000	0.7	1.3	35	4	5.7	0.3
NEAA041	52300	M	-0.7	33	6	2.8	0.2
NEAA042	52500	M	-0.2	47	8	4.2	0.4
NEAA043	48700	0.4	-0.2	27	10	-1.0	M
NEAA044	53300	0.3	1.9	37	6	1.2	0.3
NEAA045	53700	0.6	-0.8	39	6	-1.0	0.3
NEAA046	54500	0.5	0.0	35	4	-1.0	M
NEAA047	52900	0.7	-0.3	32	6	-1.0	M
NEAA048	58300	M	2.3	40	6	-1.0	0.3
NEAA049	55100	0.6	0.0	53	7	-1.0	0.4
NEAA050	51300	M	-0.5	21	3	-1.0	0.2

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

36

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEAA051	52000	0.8	-0.8	43	8	3.3	0.4
NEAB001	52100	M	-0.3	34	5	-1.0	0.5
NEAB002	51500	0.5	-0.7	35	7	-1.0	0.3
NEAB003	43800	0.1	-0.8	37	8	3.0	M
NEAB004	67100	M	1.5	40	6	-1.0	0.4
NEAB005	48800	M	-0.3	50	13	-1.0	0.4
NEAB006	29800	M	-0.6	29	5	1.6	0.3
NEAB007	37500	M	0.0	-5	11	-1.0	0.5
NEAB008	40800	M	2.3	-5	12	-1.0	0.3
NEAB009	31400	0.3	-0.4	21	2	-1.0	M
NEAB010	41000	M	1.4	23	3	-1.0	M
NEAB011	51000	0.3	1.1	386	3	-1.0	0.5
NEAB012	46800	0.3	-0.3	26	3	-1.0	M
NEAB013	47900	0.9	-0.3	-5	3	-1.0	M
NEAB014	53500	2.5	1.0	33	7	3.4	0.4
NEAB015	49200	M	2.0	-4	13	-1.0	M
NEAB016	57400	0.4	-0.5	46	6	5.8	M
NEAB017	41700	0.3	-0.2	35	10	-1.0	M
NEAB018	54900	M	-0.4	24	4	-1.0	0.1
NEAB019	48100	M	-0.3	19	3	-1.0	M
NEAB020	56700	M	1.3	65	7	-1.0	0.4
NEAB021	51900	M	-0.8	28	5	-1.0	0.2
NEAB022	56500	M	-0.5	44	11	-1.0	0.5
NEAB023	63200	0.6	1.1	34	7	-1.0	M
NEAB024	56000	0.3	-0.6	32	5	-1.0	0.1
NEAB025	45800	0.6	-1.0	35	6	-1.0	0.2
NEAB026	62500	M	1.5	42	7	-1.0	M
NEAB027	43700	0.7	-0.8	31	3	-1.0	M
NEAB028	39400	0.4	0.9	32	6	-1.0	M
NEAB029	40800	1.2	1.6	40	10	5.6	0.4
NEAB030	52600	0.9	-0.2	42	8	4.4	0.4
NEAB031	74700	0.4	-0.5	-3	4	-1.0	0.2
NEAB032	59700	0.2	-0.3	511	-2	-1.0	0.5
NEAB033	55500	0.4	-0.3	29	6	-1.0	0.2
NEAB034	77200	M	1.7	-5	4	-1.0	0.2
NEAB035	55700	0.6	-0.4	-5	17	-1.0	-0.1
NEAB036	53400	0.3	-0.1	910	4	-1.0	0.5
NEAB037	66100	0.4	-0.2	43	5	1.9	0.2
NEAB038	57300	M	-0.1	32	5	-1.0	0.1
NEAB039	43400	0.8	-0.4	18	8	-1.0	M
NEAB040	46900	0.3	-0.6	27	7	-1.0	M
NEAB041	60900	M	3.9	45	-2	-1.0	M
NEAB042	52600	M	-0.5	28	5	-1.0	0.2
NEAB043	29500	M	-0.6	26	4	2.5	0.2
NEAB044	52400	0.8	-0.1	39	6	-1.0	0.2
NEAB045	35800	0.5	-1.0	51	8	2.4	0.3
NEAB046	53400	0.8	-0.2	49	9	6.5	0.5
NEAB047	50900	3.0	1.2	31	9	-1.0	0.5
NEAB048	35200	3.9	0.0	29	6	-1.0	M
NEAB049	56500	M	2.4	32	5	-1.0	0.7

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

37

SRL I D.	AL	DY	EU	LA	SM	YB	LU
NEAB050	50600	0.4	-0.1	47	7	7.6	0.6
NEAB051	600	M	-0.1	0	-2	-1.0	M
NEAC001	49700	M	1.8	61	10	4.4	0.6
NEAC002	50100	1.2	-0.6	31	12	-1.0	0.3
NEAC003	53900	2.0	-0.4	-5	6	-1.0	M
NEAC004	37200	M	0.0	28	5	-1.0	M
NEAC005	53600	0.8	2.4	-5	8	-1.0	0.7
NEAC006	53000	0.3	-0.3	-5	7	-1.0	0.6
NEAC007	51000	M	-0.2	-5	9	-1.0	M
NEAC008	53600	M	-0.7	37	7	2.0	0.4
NEAC009	53900	0.4	-0.5	25	5	-1.0	0.2
NEAC010	50600	M	-1.0	55	14	-1.0	0.3
NEAC011	41800	0.4	1.8	43	7	3.5	0.3
NEAC012	54400	M	0.0	45	8	-1.0	0.3
NEAC013	52900	1.2	-1.0	56	8	2.2	0.5
NEAC014	48200	0.9	-0.8	36	9	3.0	0.2
NEAC015	49800	M	-0.8	37	6	-1.0	0.4
NEAC016	60100	0.6	-0.5	63	5	4.2	0.3
NEAC017	48000	M	-1.0	49	7	4.0	0.4
NEAC018	30200	1.8	-1.0	78	11	4.8	0.7
NEAC019	45200	0.3	1.9	340	6	-1.0	0.3
NEAC020	53200	M	-1.0	35	5	-1.0	0.2
NEAC021	-500	M	-0.1	0	-2	-1.0	M
NEAC022	52800	0.6	-0.8	41	-2	-1.0	0.2
NEAC023	53200	M	-0.6	42	15	-1.0	0.3
NEAC024	50900	0.5	-0.6	36	6	1.4	0.4
NEAC025	49300	M	-0.9	42	6	2.7	0.3
NEAC026	52500	M	1.2	-5	14	-1.0	0.5
NEAC027	38700	2.1	4.6	234	36	7.8	1.5
NEAC028	54000	M	0.0	40	5	-1.0	M
NEAC029	31900	0.8	-0.4	35	6	-1.0	0.3
NEAC030	51900	0.9	-0.9	55	9	2.5	0.6
NEAC031	57100	M	0.0	-4	2	-1.0	M
NEAC032	68200	M	1.6	43	14	-1.0	0.5
NEAC033	50900	0.3	0.0	40	7	2.4	0.4
NEAC034	48300	0.6	0.9	26	5	-1.0	0.2
NEAC035	57200	2.0	-0.5	-5	22	-1.0	M
NEAC036	40900	M	-0.3	31	7	-1.0	0.3
NEAC037	-500	M	-0.3	0	-2	-1.0	M
NEAC038	60100	0.5	1.1	27	4	-1.0	0.1
NEAC039	44000	0.3	2.1	-5	24	-1.0	0.3
NEAC040	51300	0.5	-0.3	27	4	-1.0	0.2
NEAC041	53200	M	2.9	-5	5	-1.0	0.6
NEAC042	52500	M	0.0	22	3	-1.0	0.2
NEAC043	52500	0.4	-0.8	32	5	2.2	0.2
NEAC044	59300	0.8	-0.1	52	10	-1.0	0.5
NEAC045	53900	M	-0.7	40	7	2.3	0.3
NEAC046	47400	0.6	-1.0	55	9	5.2	0.5
NEAC047	60400	M	-0.1	61	13	-1.0	0.8
NEAC048	51900	1.6	-0.9	52	10	3.6	0.5

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

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SRL I. D.	AL	DY	EU	LA	SM	YB	LU
NEAC049	61900	0.7	-1.0	56	-2	-1.0	M
NEAC050	31900	M	-0.7	30	5	2.2	0.2
NEAC051	45600	0.7	-1.0	62	9	3.3	0.6
NEAC052	54100	M	1.2	51	15	-1.0	0.6
NEAC053	51600	M	-1.0	41	7	3.7	0.4
NEAC054	52200	3.6	-0.9	42	9	4.3	0.4
NEAC055	27300	M	-0.6	22	6	-1.0	M
NEAC056	38200	0.2	-0.6	27	4	-1.0	0.2
NEAC057	48500	3.4	0.0	29	5	1.8	0.3
NEAC058	55500	0.3	1.2	39	5	-1.0	0.5
NEAD001	51400	0.7	-1.0	52	9	2.8	0.5
NEAD002	31500	0.4	1.6	34	5	-1.0	0.3
NEAD003	45200	0.6	5.7	105	9	-1.0	0.6
NEAD004	32600	0.4	-0.9	39	6	-1.0	0.2
NEAD005	53200	M	-0.2	-5	20	-1.0	0.4
NEAD006	50400	3.0	-0.6	37	6	2.3	0.4
NEAD007	46800	0.1	0.0	41	8	2.9	0.5
NEAD008	55900	0.3	1.4	-4	4	-1.0	0.3
NEAD009	50000	M	0.8	24	4	3.3	0.2
NEAD010	42900	3.1	2.0	35	6	-1.0	0.2
NEAD011	50300	0.4	1.4	-5	16	-1.0	0.7
NEAD012	38600	0.2	-0.3	29	5	2.9	0.3
NEAD013	50700	M	-0.1	-5	19	-1.0	M
NEAD014	33300	2.0	-0.5	51	13	-1.0	0.5
NEAD015	49100	0.7	1.9	77	13	7.3	1.0
NEAD016	50600	4.6	-0.3	28	6	-1.0	M
NEAD017	45000	0.6	-0.2	39	6	-1.0	0.2
NEAD018	44300	2.8	2.1	108	18	6.0	0.7
NEAD019	48600	0.5	2.5	-5	11	-1.0	0.7
NEAD020	47700	0.6	1.2	114	17	4.1	0.4
NEAD021	42900	M	-1.0	78	14	6.9	0.8
NEAD022	53800	2.5	3.1	100	20	11.7	1.3
NEAD023	44200	1.1	3.4	53	11	3.1	0.4
NEAD024	28900	1.6	-0.9	54	12	-1.0	0.5
NEAD025	48100	1.3	1.1	50	7	-1.0	0.5
NEAD026	47800	M	-0.9	35	6	3.4	0.4
NEAD027	26600	M	-1.0	32	5	-1.0	0.3
NEAD028	47000	M	-0.1	68	12	3.0	0.6
NEAD029	34800	4.7	-0.8	40	9	3.0	0.3
NEAD030	47600	9.4	-0.5	65	14	-1.0	0.3
NEAD031	52300	1.0	-0.1	47	7	2.8	0.5
NEAD032	35700	M	-0.2	25	4	-1.0	0.2
NEAD033	45900	1.6	-0.6	35	7	-1.0	0.4
NEAD034	39000	1.0	1.6	52	9	-1.0	0.5
NEAD035	49000	M	-0.4	-5	16	-1.0	0.6
NEAD036	41700	1.1	2.2	95	15	3.5	1.0
NEAD037	29000	1.1	-0.6	49	7	4.0	M
NEAD038	46200	M	1.2	-4	25	-1.0	0.4
NEAD039	34600	M	1.3	32	5	1.7	M
NEAD040	48900	M	-0.4	-3	5	-1.0	0.3

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

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SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEAD041	50800	0.7	-0.9	43	6	-1.0	0.2
NEAD042	26400	0.3	-0.9	40	-2	-1.0	0.3
NEAD043	-500	M	0.0	-5	-2	-1.0	M
NEAD044	48400	M	1.9	51	17	-1.0	0.4
NEAD045	37700	M	-0.7	32	5	3.5	0.3
NEAD046	49600	0.4	-0.5	-5	5	7.0	M
NEAD047	47700	0.7	-0.3	52	9	2.5	0.4
NEAD048	34700	0.4	-1.0	47	7	-1.0	0.4
NEAD049	54800	11.5	1.4	-5	6	-1.0	0.4
NEAD050	36000	3.1	-1.0	640	51	7.1	2.2
NEAD051	30700	8.0	-0.6	54	10	2.1	0.4
NEAD052	51800	M	2.6	47	8	-1.0	0.5
NEAE001	53600	1.6	-0.2	51	8	-1.0	M
NEAE002	37500	1.9	-1.0	119	9	5.5	0.8
NEAE003	42700	0.4	3.9	157	30	11.8	0.6
NEAE004	37100	1.6	-1.0	87	13	7.1	0.7
NEAE005	32600	0.3	-0.9	46	8	3.8	0.4
NEAE006	47900	5.3	1.8	33	6	-1.0	0.5
NEAE007	49000	0.8	1.5	58	9	3.5	0.5
NEAE008	32000	1.0	-1.0	76	15	5.2	0.6
NEAE009	64300	M	-0.7	115	32	6.8	0.8
NEAE010	61900	0.9	-0.2	42	11	-1.0	0.4
NEAE011	49200	M	2.1	48	8	7.5	0.5
NEAE012	49900	0.2	-0.4	294	5	5.1	0.3
NEAE013	42800	0.6	-1.0	64	9	3.3	0.4
NEAE014	48800	M	-0.7	49	8	-1.0	0.5
NEAE015	50300	1.2	4.5	109	15	5.0	0.5
NEAE016	54500	0.8	3.1	63	15	7.5	0.7
NEAE017	34500	0.5	-1.0	70	11	-1.0	0.7
NEAE018	33900	0.9	-0.2	77	13	2.7	0.5
NEAE019	38100	0.8	-0.3	28	5	2.3	0.2
NEAE020	29300	5.2	-1.0	45	9	3.3	0.4
NEAE021	-500	M	-0.1	0	-2	-1.0	M
NEAE022	46000	M	-0.5	51	7	3.2	0.3
NEAE023	38500	2.1	-0.2	53	11	4.1	0.4
NEAE024	66400	1.6	-1.0	77	10	10.7	0.4
NEAE025	41800	0.3	-0.9	56	10	2.5	0.5
NEAE026	25400	M	-0.9	42	8	1.9	0.4
NEAE027	-500	M	0.0	0	-2	-1.0	M
NEAE028	52900	1.0	-1.0	56	10	3.9	0.3
NEAE029	29100	2.0	1.0	46	-2	-1.0	0.4
NEAE030	49700	0.8	-0.5	51	9	6.1	0.7
NEAE031	47500	0.5	-0.3	59	11	-1.0	0.3
NEAE032	35600	0.8	-1.0	52	8	4.8	0.4
NEAE033	30500	1.3	-0.2	86	15	6.7	0.8
NEAE034	45400	0.2	-1.0	56	9	4.3	0.4
NEAE035	46300	0.1	-0.2	35	7	2.7	0.4
NEAE036	56300	0.3	-1.0	44	8	3.6	M
NEAE037	46100	9.3	-0.1	51	10	5.7	0.6
NEAE038	900	M	-0.1	0	-2	-1.0	M

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEAE039	43300	0.7	0.0	29	7	-1.0	0.2
NEAE040	44400	3.4	1.0	33	5	-1.0	M
NEAE041	48600	4.4	1.9	44	7	2.8	0.5
NEAE042	35500	6.8	-1.0	340	40	12.2	1.9
NEAE043	-500	M	0.0	-5	-2	-1.0	M
NEAE044	46000	1.7	1.4	40	13	6.3	0.4
NEAE045	38400	M	-0.3	24	6	-1.0	M
NEAE046	700	M	-1.0	0	-2	-1.0	M
NEAE047	42700	M	-0.5	37	8	-1.0	0.2
NEAE048	45900	3.0	1.4	49	8	3.2	0.5
NEAE049	49600	M	-0.1	49	7	3.1	0.4
NEAE050	45600	2.3	-0.8	43	7	5.0	0.5
NEAE051	55300	0.8	-1.0	45	6	-1.0	M
NEAF001	20200	M	-0.7	-5	-2	-1.0	M
NEAF002	24600	M	1.3	15	2	-1.0	M
NEAF003	27400	0.1	2.3	-5	2	-1.0	M
NEAF004	38600	0.3	1.0	738	6	-1.0	M
NEAF005	-500	M	-0.3	-5	5	-1.0	M
NEAF006	25300	M	0.0	21	5	-1.0	0.3
NEAF007	23400	0.4	-0.3	-5	18	-1.0	0.3
NEAF008	18600	M	-0.3	16	4	-1.0	0.2
NEAF009	10400	M	-1.0	20	5	-1.0	0.4
NEAF010	16600	0.5	-0.1	7	4	-1.0	0.2
NEAF011	20900	0.4	-0.6	16	6	-1.0	M
NEAF012	14500	M	-0.2	14	-2	3.9	0.2
NEAF013	29900	3.2	-0.5	20	3	-1.0	M
NEAF014	19700	1.6	-0.1	48	8	-1.0	0.7
NEAF015	39100	M	1.0	39	7	2.5	0.6
NEAF016	12400	0.1	-0.2	11	4	-1.0	0.2
NEAF017	32400	M	-0.1	-5	10	-1.0	0.4
NEAF018	43600	0.9	-0.5	34	10	3.2	0.4
NEAF019	-500	M	-0.2	0	-2	-1.0	M
NEAF020	37500	0.4	-0.1	45	6	3.3	0.2
NEAF021	38800	1.3	-1.0	42	7	2.2	0.5
NEAF022	40100	10.3	-0.3	-5	8	5.3	M
NEAF023	46100	0.3	-1.0	66	11	3.1	0.3
NEAF024	37500	0.9	-1.0	33	5	-1.0	0.2
NEAF025	50900	0.6	2.3	-5	8	-1.0	M
NEAF026	39400	3.0	-0.8	37	6	-1.0	0.2
NEAF027	27500	2.7	-1.0	54	10	4.4	0.5
NEAF028	42900	0.9	1.8	38	7	5.0	0.2
NEAF029	46200	0.8	-1.0	41	7	-1.0	0.2
NEAF030	20700	3.5	-0.8	37	8	-1.0	0.3
NEAF031	34700	9.3	2.3	-5	23	-1.0	0.5
NEAF032	44500	4.8	1.7	-5	8	-1.0	M
NEAF033	39500	0.5	-0.3	52	8	1.4	0.5
NEAF034	46600	M	2.9	-5	17	-1.0	0.6
NEAF035	32400	0.1	-0.1	47	8	2.5	0.5
NEAF036	46700	1.8	1.3	-5	11	-1.0	0.4
NEAF037	48400	M	-0.7	32	6	2.9	0.2



TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEAF038	19800	2.6	-0.1	-5	2	-1.0	0.3
NEAF039	35400	0.2	1.7	-5	16	-1.0	0.4
NEAF040	38000	M	-0.8	36	5	-1.0	0.2
NEAF041	20600	3.8	-0.6	47	8	3.0	0.4
NEAF042	24000	0.8	-0.1	-5	9	-1.0	M
NEAF043	500	M	-0.1	0	-2	-1.0	M
NEAF044	26400	M	-0.1	-5	6	-1.0	M
NEAF045	26300	0.2	-0.1	-5	-2	-1.0	M
NEAF046	27200	2.7	-0.1	-5	3	-1.0	M
NEAF047	13300	M	-0.5	19	6	-1.0	M
NEAF048	33600	M	-0.3	-5	9	-1.0	0.3
NEAF049	38500	2.3	-0.2	31	4	-1.0	M
NEAF050	31800	3.2	0.9	34	5	-1.0	0.3
NEAF051	20500	M	3.9	-5	-2	4.6	M
NEAF052	32400	0.2	-0.8	23	4	-1.0	0.1
NEAF053	25500	4.4	1.9	-5	5	-1.0	0.4
NEAF054	33300	M	-0.1	-1	5	-1.0	M
NEAF055	35400	3.3	-0.1	-5	10	-1.0	M
NEAF056	28500	M	-1.0	27	4	1.8	0.2
NEAF057	30700	M	-0.8	46	7	3.8	0.5
NEAF058	32300	0.9	-0.5	20	6	-1.0	M
NEAF059	28700	3.1	-0.2	-5	6	4.4	0.4
NEAG001	25000	1.1	-0.3	29	4	2.3	0.4
NEAG002	17500	2.3	-0.1	12	4	-1.0	M
NEAG003	23600	M	0.0	19	6	-1.0	0.2
NEAG004	33100	2.6	-0.4	16	6	-1.0	M
NEAG005	38600	0.6	-0.1	-5	13	-1.0	M
NEAG006	42100	0.5	1.4	30	5	2.9	0.3
NEAG007	26900	0.5	-0.3	23	4	1.9	0.2
NEAG008	27200	2.8	-0.2	-4	14	-1.0	0.8
NEAG009	36700	M	0.0	26	4	-1.0	0.2
NEAG010	18600	3.4	-0.5	23	4	-1.0	0.1
NEAG011	35500	3.0	2.5	-4	5	-1.0	0.3
NEAG012	30500	0.5	-0.4	29	7	-1.0	0.2
NEAG013	27000	3.1	-0.8	27	5	-1.0	M
NEAG014	50100	0.2	-0.3	-5	6	-1.0	M
NEAG015	45600	M	0.0	32	4	-1.0	M
NEAG016	42800	0.8	-0.4	-5	15	-1.0	0.4
NEAG017	26900	M	1.6	42	8	-1.0	0.3
NEAG018	39100	M	-0.4	32	5	-1.0	0.2
NEAG019	47000	0.4	-0.3	-5	15	-1.0	0.5
NEAG020	43100	0.9	-0.2	33	8	-1.0	M
NEAG021	40700	M	-0.7	42	6	1.5	0.3
NEAG022	49200	0.4	-0.7	33	5	-1.0	0.2
NEAG023	28200	0.2	-0.6	20	4	-1.0	M
NEAG024	38300	M	-1.0	40	9	-1.0	M
NEAG025	37700	0.3	1.7	32	5	2.2	0.2
NEAG026	38100	M	-0.8	35	6	3.1	0.2
NEAG027	-500	M	-0.1	0	-2	-1.0	M
NEAG028	33400	M	-1.0	40	6	2.6	0.5

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

42

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEAG029	38700	0.6	-1.0	35	6	3.2	0.2
NEAG030	33700	M	-0.6	34	4	-1.0	0.3
NEAG031	42100	1.4	-0.8	39	6	2.4	0.4
NEAG032	36500	1.2	1.4	50	7	1.5	0.2
NEAG033	33200	0.5	-0.9	46	6	-1.0	0.9
NEAG034	38700	0.7	-0.1	23	4	-1.0	0.2
NEAG035	20300	3.2	-1.0	21	8	-1.0	M
NEAG036	44400	M	-0.3	40	6	2.5	0.2
NEAG037	42700	0.4	-0.4	30	7	-1.0	M
NEAG038	44900	0.6	-0.6	25	8	-1.0	0.3
NEAG039	43300	M	-0.1	29	5	-1.0	M
NEAG040	48200	0.7	1.6	38	8	-1.0	0.3
NEAG041	43900	M	0.0	33	5	-1.0	0.2
NEAG042	43400	0.5	1.5	40	7	-1.0	0.4
NEAG043	31300	0.8	2.8	32	8	-1.0	M
NEAG044	47000	0.7	-1.0	40	7	2.0	M
NEAG045	42900	0.5	2.5	-4	10	-1.0	0.5
NEAG046	33800	3.3	1.9	108	16	8.0	1.1
NEAG047	38600	0.6	-0.6	-4	14	7.1	0.7
NEAH001	39400	0.6	0.0	31	5	-1.0	0.2
NEAH002	38500	0.9	-1.0	47	7	3.6	0.4
NEAH003	30800	1.0	2.3	32	8	2.8	0.5
NEAH004	39900	M	-0.1	-5	11	-1.0	0.8
NEAH005	40100	1.5	-0.6	39	8	-1.0	0.8
NEAH006	33800	3.0	-1.0	68	16	11.0	1.4
NEAH007	47500	3.0	1.6	63	11	7.3	1.0
NEAH008	40900	2.8	1.2	41	9	4.2	1.1
NEAH009	23900	2.9	0.0	38	6	-1.0	0.4
NEAH010	45800	8.4	1.6	-5	31	29.3	3.2
NEAH011	32900	3.3	-1.0	73	15	9.9	1.8
NEAH012	38300	1.1	1.4	47	9	4.1	0.8
NEAH013	42000	1.5	-0.9	56	8	3.3	0.6
NEAH014	46200	0.7	-0.7	36	7	3.7	0.5
NEAH015	24000	3.4	-0.9	46	8	5.7	0.6
NEAH016	45600	10.8	-1.0	52	11	-1.0	1.2
NEAH017	44400	3.9	-0.1	44	10	2.8	0.5
NEAH018	22400	5.6	0.0	36	7	5.2	0.6
NEAH019	44300	3.0	2.1	-5	21	9.7	1.4
NEAH020	33700	2.0	0.0	77	16	10.9	1.3
NEAH021	36100	2.6	-0.1	36	11	3.5	0.7
NEAH022	40600	0.7	1.3	-5	14	6.7	0.3
NEAH023	52200	0.6	1.1	22	5	3.4	0.5
NEAH024	42600	M	0.0	19	3	-1.0	0.3
NEAH025	42400	0.3	1.3	-5	8	-1.0	0.8
NEAH026	32900	2.3	-0.5	36	7	6.5	1.4
NEAH027	20200	14.4	2.3	60	15	16.6	2.8
NEAH028	45500	8.0	-0.2	-5	13	13.3	1.0
NEAH029	49700	0.6	-0.2	18	4	2.2	0.2
NEAH030	18500	0.4	-0.4	21	5	3.0	0.3
NEAH031	37400	0.7	-0.7	46	10	10.1	1.2

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

43

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEAH032	33600	7.8	-0.5	38	9	17.3	2.0
NEAH033	39100	0.5	0.0	18	7	3.7	0.3
NEAH034	37600	17.0	9.8	-5	48	62.7	8.6
NEAH035	40500	7.9	-0.4	28	6	7.0	0.9
NEAH036	30400	7.2	-0.3	19	7	10.1	0.7
NEAH037	36600	0.8	-0.4	17	4	2.6	0.3
NEAH038	28400	4.2	-0.8	25	8	7.4	1.0
NEAH039	33200	0.8	-0.3	23	6	3.3	0.6
NEAH040	37200	2.4	3.3	22	9	8.8	0.5
NEAH041	45500	3.2	-0.3	-5	25	9.9	1.3
NEAH042	25800	M	-0.1	21	4	3.0	0.4
NEAH043	37400	1.3	-0.1	38	7	4.5	0.9
NEAH044	38400	0.8	-0.8	33	4	3.6	0.4
NEAH045	41600	3.0	-0.4	23	5	-1.0	0.3
NEAH046	47500	M	-0.1	18	3	3.6	0.3
NEAH047	49300	M	-0.1	-5	4	4.9	M
NEAH048	32800	1.1	0.0	33	6	4.9	1.0
NEAH049	35700	M	-0.2	-5	17	-1.0	0.8
NEAH050	41200	1.9	-0.2	61	10	3.5	0.6
NEAH051	39300	0.7	-0.4	30	8	4.3	0.3
NEBA001	49200	M	0.0	-5	-2	-1.0	0.5
NEBA002	50100	2.6	2.2	27	6	-1.0	0.2
NEBA003	49300	M	-0.1	-5	4	-1.0	0.5
NEBA004	51400	M	-0.2	27	4	-1.0	0.2
NEBA005	5400	0.9	-0.7	32	5	-1.0	0.3
NEBA006	47100	0.3	-0.4	-5	6	-1.0	M
NEBA007	48300	0.3	-1.0	46	6	4.0	0.4
NEBA008	49300	0.6	-0.8	38	6	-1.0	0.3
NEBA009	46600	0.2	-0.2	-4	7	-1.0	0.5
NEBA010	50700	0.6	-0.9	44	6	-1.0	0.3
NEBA011	-500	M	3.1	0	-2	-1.0	M
NEBA012	36300	1.6	-0.9	34	8	1.4	0.4
NEBA013	29600	M	-1.0	29	7	2.2	0.3
NEBA014	39200	M	-0.6	29	5	-1.0	0.1
NEBA015	49200	M	-0.7	-5	4	-1.0	M
NEBA016	47900	M	-0.7	28	4	1.6	0.2
NEBA017	51500	M	-0.3	28	5	-1.0	0.2
NEBA018	53600	M	1.7	23	3	-1.0	0.2
NEBA019	29800	2.1	-0.5	26	4	1.6	0.3
NEBA020	45400	M	-1.0	293	2	-1.0	M
NEBA021	54300	2.5	-1.0	-5	7	-1.0	-0.1
NEBA022	40000	M	2.8	35	5	-1.0	0.3
NEBA023	48700	1.9	-0.6	33	6	1.5	0.4
NEBA024	36500	0.5	-0.7	33	4	-1.0	M
NEBA025	57000	0.4	-0.2	-5	4	-1.0	0.4
NEBA026	53500	0.3	-0.3	26	4	4.5	M
NEBA027	26300	2.8	-0.1	28	8	-1.0	0.3
NEBA028	37300	0.3	0.0	20	5	-1.0	M
NEBA029	49500	0.3	-0.1	-5	13	-1.0	1.1
NEBA030	38000	1.9	-0.4	29	6	-1.0	M

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

44

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEBA031	51100	1.9	0.0	24	5	-1.0	0.2
NEBA032	50500	0.7	1.1	24	3	-1.0	0.3
NEBA033	40900	0.8	-0.4	34	6	-1.0	0.6
NEBA034	45900	0.9	-0.6	44	6	-1.0	0.4
NEBA035	35400	0.8	-0.9	31	8	1.8	0.5
NEBA036	52700	0.4	-0.1	-4	3	-1.0	M
NEBA037	40300	0.6	1.7	28	5	2.6	0.2
NEBA038	26300	M	-0.5	23	4	-1.0	0.1
NEBA039	53200	0.8	-0.4	-5	4	-1.0	M
NEBA040	47800	0.4	2.2	22	4	2.6	0.2
NEBA041	26200	2.1	-0.4	29	4	-1.0	0.3
NEBA042	51100	M	-0.2	-2	2	-1.0	M
NEBA043	44300	0.4	-0.4	16	-2	-1.0	M
NEBA044	44500	0.2	1.4	-5	3	-1.0	M
NEBB001	47400	2.4	-0.8	52	9	4.1	0.5
NEBB002	47100	2.1	-0.9	43	7	3.0	0.1
NEBB003	48700	0.2	-0.6	32	5	2.0	0.2
NEBB004	54200	10.9	-0.4	-5	23	-1.0	0.5
NEBB005	49100	0.5	-1.0	69	-2	1.6	0.4
NEBB006	38900	0.2	1.1	41	7	-1.0	0.2
NEBB007	47800	M	-0.2	-4	13	-1.0	M
NEBB008	49700	1.0	-1.0	42	6	-1.0	0.4
NEBB009	50300	M	-0.4	-5	5	-1.0	M
NEBB010	49800	M	-1.0	32	5	1.9	0.2
NEBB011	47000	0.3	2.5	50	8	2.1	0.4
NEBB012	42300	1.6	-0.1	31	5	3.0	0.3
NEBB013	39500	2.7	-0.3	25	7	-1.0	M
NEBB014	-500	M	-0.2	0	-2	-1.0	M
NEBB015	37200	M	-0.2	27	4	-1.0	M
NEBB016	43300	0.4	0.7	32	4	-1.0	0.3
NEBB017	27400	6.7	1.0	45	8	4.4	0.4
NEBB018	47600	M	-0.2	-5	4	-1.0	0.6
NEBB019	50700	0.4	1.2	-5	5	-1.0	M
NEBB020	53200	0.5	-0.2	-5	7	-1.0	0.5
NEBB021	25700	1.2	0.0	33	7	-1.0	M
NEBB022	54600	M	-0.2	-5	16	-1.0	M
NEBB023	49900	M	1.2	39	6	2.1	M
NEBB024	33700	0.2	1.0	22	3	-1.0	M
NEBB025	63500	M	-0.3	-5	9	-1.0	M
NEBB026	49000	1.3	-0.3	43	8	3.0	0.4
NEBB027	47800	1.0	-0.5	36	6	2.3	0.2
NEBB028	2800	M	-0.2	0	-2	-1.0	M
NEBB029	52300	1.5	-0.3	32	7	2.0	0.4
NEBB030	50700	M	-0.7	37	6	2.2	0.3
NEBB031	58400	M	1.7	-5	6	-1.0	M
NEBB032	68100	M	2.0	-1	4	-1.0	0.4
NEBB033	52700	M	-0.4	-5	3	-1.0	0.4
NEBB034	56000	M	2.5	-5	19	-1.0	0.7
NEBB035	-500	M	0.0	-5	-2	-1.0	M
NEBB036	50500	M	-0.2	-5	4	-1.0	M

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

45

SRL I. D.	AL	DY	EU	LA	SM	YB	LU
NEBB037	34800	0.6	0.0	24	4	-1.0	0.1
NEBB038	47500	0.3	0.7	33	4	-1.0	0.3
NEBB039	30900	3.4	-0.1	51	9	-1.0	0.5
NEBB040	55400	M	2.6	-4	31	-1.0	0.3
NEBB041	48300	M	-0.5	51	6	4.1	0.4
NEBB042	20600	0.3	-0.4	22	5	-1.0	M
NEBB043	51800	M	-0.3	-4	7	-1.0	0.3
NEBB044	49800	0.4	-0.6	34	6	2.0	0.3
NEBB045	32600	0.6	-0.7	40	6	1.5	0.2
NEBB046	77300	M	-0.1	-3	18	-1.0	M
NEBB047	44700	0.6	-1.0	48	-2	-1.0	0.2
NEBB048	24200	6.2	-0.7	36	5	2.0	0.2
NEBB049	53500	0.4	-0.2	-5	6	-1.0	0.4
NEBB050	49900	M	-0.8	48	7	-1.0	0.2
NEBB051	29000	0.1	-0.6	28	4	-1.0	0.2
NEBB052	51400	M	4.5	-5	6	-1.0	M
NEBB053	52500	0.3	-0.6	34	5	1.4	0.2
NEBB054	37700	M	-0.9	29	4	-1.0	0.2
NEBB055	47500	0.8	0.0	33	5	2.0	0.3
NEBB056	32100	0.3	2.1	37	5	-1.0	0.3
NEBB057	26800	M	-0.2	32	5	1.9	0.2
NEBB058	54100	0.8	2.8	381	6	-1.0	M
NEBB059	55100	M	-0.2	-5	8	-1.0	M
NEBB060	44400	M	5.0	34	5	1.7	0.4
NEBC001	36800	3.5	-0.5	26	4	-1.0	0.2
NEBC002	4200	M	-0.8	-5	-2	-1.0	M
NEBC003	27900	2.7	-0.9	64	11	3.5	0.7
NEBC004	45800	M	1.6	-5	18	8.7	1.1
NEBC005	34900	7.1	1.6	43	7	3.5	0.4
NEBC006	37200	0.3	-0.9	43	7	2.6	0.3
NEBC007	48700	0.5	2.8	43	6	1.4	0.5
NEBC008	27500	0.9	-0.3	30	5	-1.0	0.2
NEBC009	47700	3.1	2.0	188	8	-1.0	0.6
NEBC010	30900	0.3	1.8	33	5	1.9	0.2
NEBC011	50300	0.2	1.9	274	3	-1.0	M
NEBC012	53500	0.3	0.8	-5	2	-1.0	M
NEBC013	25200	2.5	-1.0	65	10	3.6	0.5
NEBC014	45600	1.6	-1.0	49	7	3.9	0.3
NEBC015	46100	0.7	3.0	-5	4	-1.0	M
NEBC016	50800	0.2	2.0	-5	-2	-1.0	0.6
NEBC017	48900	0.8	-1.0	0	12	6.8	0.6
NEBC018	61900	M	2.1	-5	6	-1.0	0.4
NEBC019	50600	0.7	-0.7	32	6	-1.0	0.2
NEBC020	34500	0.7	2.1	37	6	1.9	M
NEBC021	60800	M	2.6	-5	6	-1.0	0.7
NEBC022	53800	0.5	3.3	-5	19	-1.0	M
NEBC023	50100	3.1	-0.4	57	9	3.0	0.5
NEBC024	45800	1.3	-1.0	70	14	3.2	0.4
NEBC025	45500	1.7	-1.0	98	15	3.6	0.8
NEBC026	50600	M	1.3	32	5	-1.0	0.3

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

46

SRL I. D.	AL	DY	EU	LA	SM	YB	LU
NEBC027	56700	4.9	-0.4	-4	12	-1.0	0.6
NEBC028	50500	6.6	1.6	78	13	4.1	0.8
NEBC029	45600	1.4	-0.7	65	11	4.4	0.7
NEBC030	55900	0.5	2.0	-3	8	-1.0	0.3
NEBC031	52500	0.6	-0.4	32	4	-1.0	0.2
NEBC032	50600	0.6	-0.8	46	7	2.6	0.5
NEBC033	36700	M	-1.0	88	15	4.1	1.0
NEBC034	52000	0.5	-0.2	-5	12	-1.0	0.7
NEBC035	49900	M	-0.5	36	-2	-1.0	M
NEBC036	31700	1.8	-0.6	44	8	-1.0	0.4
NEBC037	52200	0.3	-0.4	-5	7	-1.0	M
NEBC038	51100	M	-0.2	-4	9	-1.0	0.4
NEBC039	50800	M	2.8	26	4	-1.0	M
NEBC040	50600	4.3	0.0	34	6	-1.0	0.3
NEBC041	49900	0.1	-0.1	11	2	-1.0	M
NEBC042	41700	M	-1.0	29	5	-1.0	0.2
NEBC043	49500	0.3	-0.5	27	4	-1.0	M
NEBC044	41800	M	-0.4	26	4	-1.0	0.3
NEBC045	50800	0.5	2.1	35	11	-1.0	0.2
NEBC046	44500	M	-0.2	26	5	-1.0	0.1
NEBC047	37800	4.7	-0.8	40	7	-1.0	0.4
NEBC048	55700	0.8	-0.5	32	3	-1.0	M
NEBC049	49300	0.3	-0.3	36	5	1.5	M
NEBC050	51100	M	1.9	58	7	-1.0	0.6
NEBC051	46400	M	-0.7	27	5	-1.0	M
NEBC052	45300	2.1	1.7	88	13	-1.0	0.8
NEBC053	42400	1.1	0.0	100	11	-1.0	0.6
NEBC054	25900	2.9	-0.7	27	5	-1.0	M
NEBC055	53800	0.2	-0.5	30	4	-1.0	M
NEBC056	35500	0.4	-0.8	37	5	2.5	0.3
NEBC057	39600	0.3	-0.2	27	4	-1.0	0.1
NEBC058	51900	1.6	-0.6	324	7	-1.0	0.7
NEBC059	31400	1.5	1.0	47	7	-1.0	0.4
NEBD001	51100	M	-0.2	-5	10	-1.0	0.6
NEBD002	48200	M	-0.3	27	4	3.0	M
NEBD003	46800	1.2	1.5	-4	7	-1.0	0.7
NEBD004	-500	M	0.0	0	-2	-1.0	M
NEBD005	37200	3.9	-0.8	34	9	-1.0	0.2
NEBD006	60200	0.4	1.0	-5	7	-1.0	0.4
NEBD007	54800	0.6	-0.8	38	5	3.5	0.2
NEBD008	51100	0.5	-0.8	35	6	3.9	0.2
NEBD009	51800	0.2	-0.6	590	5	-1.0	M
NEBD010	37100	0.4	1.9	49	8	3.5	0.6
NEBD011	55300	0.9	1.3	49	9	4.9	0.4
NEBD012	52100	M	-0.6	29	5	-1.0	M
NEBD013	55500	1.6	-0.5	68	9	-1.0	0.8
NEBD014	50000	0.1	1.8	41	7	3.1	0.3
NEBD015	51500	0.6	-0.9	41	6	-1.0	0.3
NEBD016	63200	0.6	-0.2	46	15	-1.0	0.9
NEBD017	50900	1.2	-1.0	56	11	4.4	0.6

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

47

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEBD018	50400	M	1.4	43	6	4.6	0.5
NEBD019	51200	M	-1.0	48	8	4.4	0.6
NEBD020	50300	2.8	1.6	40	5	2.6	0.4
NEBD021	49400	2.6	-0.8	41	6	-1.0	0.3
NEBD022	49000	M	-1.0	50	7	-1.0	0.4
NEBD023	53600	0.3	-0.2	35	4	-1.0	0.4
NEBD024	48400	M	-0.4	34	5	3.7	0.3
NEBD025	51100	0.3	-1.0	56	7	-1.0	0.4
NEBD026	56300	M	1.1	46	7	-1.0	0.3
NEBD027	50400	0.6	-0.1	37	6	-1.0	0.3
NEBD028	49200	M	-0.6	38	7	-1.0	M
NEBD029	48000	0.4	-0.2	50	11	2.3	0.3
NEBD030	52500	0.7	-0.3	45	7	-1.0	0.4
NEBD031	60700	0.2	0.0	18	3	-1.0	M
NEBD032	54300	0.5	-0.4	63	10	-1.0	0.4
NEBD033	49400	M	-0.2	13	5	-1.0	M
NEBD034	50600	M	-0.5	22	5	-1.0	0.2
NEBD035	57400	0.7	1.2	-5	9	-1.0	M
NEBD036	55700	1.6	-0.1	27	4	-1.0	0.3
NEBD037	55900	0.6	2.8	39	7	2.6	0.2
NEBD038	50300	44.5	4.8	1159	131	54.9	7.8
NEBD039	50400	0.8	-0.5	37	7	-1.0	0.3
NEBD040	41000	0.8	0.0	29	9	-1.0	0.2
NEBD041	52300	1.1	-0.5	59	10	6.5	0.8
NEBD042	48900	0.3	4.6	33	6	-1.0	M
NEBD043	51600	9.4	1.5	48	8	-1.0	0.4
NEBD044	41500	0.6	-0.1	39	7	3.0	0.4
NEBD045	51200	0.7	-0.6	33	6	2.2	0.3
NEBD046	51800	M	1.4	27	4	2.1	0.2
NEBD047	39000	0.7	2.7	100	17	-1.0	1.0
NEBD048	49000	0.7	-0.9	38	5	-1.0	0.2
NEBD049	47900	0.7	0.0	47	6	-1.0	0.3
NEBD050	27000	M	-0.1	20	3	-1.0	0.2
NEBE001	42400	0.3	-0.3	47	9	2.5	0.5
NEBE002	36800	10.5	2.7	46	10	-1.0	0.8
NEBE003	41200	3.9	-1.0	35	8	4.5	0.4
NEBE004	32600	1.5	-1.0	75	15	6.0	1.0
NEBE005	40900	4.6	-1.0	49	8	3.0	0.5
NEBE006	57500	1.4	-0.5	54	27	-1.0	0.4
NEBE007	40400	0.5	-0.9	37	5	-1.0	0.3
NEBE008	44700	M	1.6	366	26	6.6	1.2
NEBE009	-500	M	1.7	0	-2	-1.0	M
NEBE010	50400	M	-0.3	-5	12	-1.0	M
NEBE011	45700	0.6	-0.4	26	4	-1.0	0.3
NEBE012	27800	0.8	0.0	38	9	3.7	0.4
NEBE013	900	M	-0.1	0	-2	-1.0	M
NEBE014	47800	M	-0.6	35	6	2.4	0.3
NEBE015	48800	0.3	-0.5	-4	25	-1.0	0.4
NEBE016	48200	M	-0.3	-4	4	-1.0	0.4
NEBE017	43800	0.7	-0.4	28	4	2.4	0.4

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

48

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEBE018	47500	1.4	-0.8	36	5	-1.0	0.3
NEBE019	32700	1.1	2.7	52	8	-1.0	0.4
NEBE020	24000	M	2.2	177	9	5.9	M
NEBE021	47900	M	-1.0	56	9	2.2	0.2
NEBE022	50700	0.2	-0.8	28	4	-1.0	0.1
NEBE023	44800	1.7	-0.9	26	4	4.9	0.5
NEBE024	33800	1.6	-0.9	34	8	3.1	0.4
NEBE025	45500	0.4	-0.6	29	5	2.1	M
NEBE026	42300	1.0	-1.0	134	20	8.9	1.0
NEBE027	48300	2.3	-1.0	37	7	2.5	0.2
NEBE028	48800	1.0	1.7	46	7	2.1	0.3
NEBE029	43800	0.5	-0.9	32	5	-1.0	0.3
NEBE030	46100	M	0.0	33	5	-1.0	0.3
NEBE031	43700	0.7	-0.9	48	7	2.7	0.4
NEBE032	44500	0.2	-1.0	46	8	-1.0	0.4
NEBE033	32900	5.6	-0.3	33	7	-1.0	0.4
NEBE034	50900	M	-0.4	39	6	3.9	0.4
NEBE035	44700	1.8	-0.8	81	11	-1.0	0.2
NEBE036	44600	1.6	-1.0	70	10	-1.0	0.4
NEBE037	32300	3.2	-1.0	130	15	2.9	0.4
NEBE038	46100	0.5	5.1	-5	45	-1.0	1.2
NEBE039	39800	1.6	-0.3	34	5	-1.0	0.2
NEBE040	-500	M	0.0	0	-2	-1.0	M
NEBE041	47900	1.4	1.4	42	6	3.4	0.3
NEBE042	49900	M	-1.0	45	8	-1.0	0.4
NEBE043	51200	M	-0.8	70	11	-1.0	0.4
NEBE044	-500	M	-0.3	0	-2	-1.0	M
NEBE045	48400	0.7	0.0	27	4	-1.0	0.2
NEBE046	31800	M	-0.4	17	7	-1.0	M
NEBE047	-500	M	-0.5	0	-2	-1.0	M
NEBE048	43400	1.2	1.3	41	8	3.9	0.4
NEBE049	46500	0.7	-0.9	59	9	2.3	0.3
NEBE050	47700	0.4	-0.7	24	4	-1.0	0.1
NEBE051	48900	0.5	0.0	67	16	-1.0	0.4
NEBE052	37100	1.0	0.0	69	11	3.0	0.5
NEBF001	38900	0.2	-0.1	33	6	-1.0	0.2
NEBF002	47300	0.8	-0.5	42	13	-1.0	0.6
NEBF003	40000	M	-0.7	26	7	1.4	0.3
NEBF004	31100	5.0	-1.0	38	7	5.6	0.5
NEBF005	26000	9.1	-0.1	21	6	-1.0	0.2
NEBF006	39000	0.8	-0.9	52	10	1.6	0.4
NEBF007	32000	0.9	-0.6	35	7	-1.0	0.3
NEBF008	59500	0.9	1.7	69	12	6.2	0.9
NEBF009	46200	1.0	-1.0	68	15	5.7	0.6
NEBF010	49400	6.6	2.6	96	28	14.7	1.4
NEBF011	39000	1.8	2.2	65	19	11.0	1.4
NEBF012	42500	0.6	-0.2	56	13	6.5	0.8
NEBF013	48900	0.8	-0.1	22	4	-1.0	0.3
NEBF014	31200	0.5	-1.0	31	8	2.6	0.6
NEBF015	600	M	-1.0	0	-2	-1.0	M



TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

49

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEBF 016	37500	2.3	-0.8	43	6	3.8	0.6
NEBF 017	42000	1.8	-0.5	35	5	-1.0	0.3
NEBF 018	42300	M	-0.1	29	4	1.8	0.3
NEBF 019	-500	M	0.0	0	-2	-1.0	M
NEBF 020	37700	0.5	-0.8	44	7	4.1	0.3
NEBF 021	31700	0.7	-0.2	31	6	3.6	0.3
NEBF 022	48300	0.2	0.0	21	5	-1.0	0.2
NEBF 023	-500	M	-0.1	0	-2	-1.0	M
NEBF 024	44300	0.5	0.0	31	7	3.6	0.3
NEBF 025	48600	M	-0.8	27	10	-1.0	0.8
NEBF 026	29300	0.7	-0.7	31	6	4.5	0.4
NEBF 027	42400	0.3	-0.1	63	10	4.6	1.1
NEBF 028	51300	1.3	-0.3	47	10	4.3	0.7
NEBF 029	43900	0.5	-0.5	35	16	-1.0	0.4
NEBF 030	44000	0.4	3.6	29	8	-1.0	0.4
NEBF 031	42700	M	3.5	50	15	-1.0	M
NEBF 032	44200	0.9	-0.7	39	9	3.8	0.5
NEBF 033	27300	0.1	3.9	44	11	-1.0	0.7
NEBF 034	-500	M	0.0	-5	-2	-1.0	M
NEBF 035	39700	4.6	-0.7	34	6	-1.0	0.4
NEBF 036	21900	0.5	-1.0	13	2	1.7	M
NEBF 037	40700	M	-0.3	59	9	-1.0	0.8
NEBF 038	46600	1.1	-0.7	31	5	1.5	0.1
NEBF 039	45100	2.8	-1.0	43	7	2.7	0.2
NEBF 040	49400	0.8	5.4	47	5	-1.0	M
NEBF 041	42200	M	-0.2	35	5	-1.0	0.1
NEBF 042	30700	0.6	-0.6	72	9	3.7	0.5
NEBF 043	43600	1.0	-0.9	52	7	3.3	0.3
NEBF 044	44300	1.1	-0.3	49	8	5.2	0.5
NEBF 045	38100	0.3	2.4	84	17	7.8	1.0
NEBF 046	44000	0.7	-0.4	69	13	7.5	0.8
NEBF 047	47700	0.6	1.7	46	14	9.2	0.6
NEBF 048	47400	0.5	-0.2	45	9	4.2	0.5
NEBF 049	45100	0.7	3.1	175	31	11.0	1.4
NEBF 050	43600	1.4	-0.4	69	-2	6.2	0.8
NEBG001	27200	M	-0.1	21	4	2.8	0.2
NEBG002	30600	0.7	2.0	36	10	-1.0	0.9
NEBG003	38900	0.4	-0.9	46	7	4.0	0.6
NEBG004	39700	3.8	-0.5	43	8	-1.0	0.5
NEBG005	39100	11.0	-0.3	92	14	8.3	1.2
NEBG006	44100	M	0.8	31	6	2.0	0.4
NEBG007	-500	M	-1.0	-5	M	M	M
NEBG008	-500	M	-1.0	-5	M	M	M
NEBG009	-500	M	-1.0	-5	M	M	M
NEBG010	39800	0.9	-0.3	54	9	5.8	0.6
NEBG011	37000	4.1	-0.2	26	4	1.4	0.2
NEBG012	33400	2.1	-0.8	39	8	5.1	0.8
NEBG013	37700	1.7	5.1	95	6	19.4	2.5
NEBG014	38000	0.9	-0.2	25	5	2.5	M
NEBG015	35100	0.4	-0.8	45	9	2.8	0.2

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

50

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEBG016	51500	0.3	0.0	34	8	-1.0	M
NEBG017	40400	2.2	-1.0	32	6	2.1	0.5
NEBG018	41200	1.0	-0.1	34	7	5.7	0.5
NEBG019	34300	M	-0.5	40	10	-1.0	0.6
NEBG020	-500	M	-0.2	0	-2	-1.0	M
NEBG021	33500	0.8	-0.8	50	11	6.5	0.6
NEBG022	33000	M	-0.6	21	4	3.4	0.3
NEBG023	42000	17.9	0.0	45	10	9.4	0.8
NEBG024	32600	1.5	-0.6	-5	13	-1.0	M
NEBG025	36300	M	-0.6	45	9	-1.0	1.2
NEBG026	-500	M	-0.7	0	-2	-1.0	M
NEBG027	29300	4.2	2.7	52	13	7.4	1.2
NEBG028	41000	7.5	-0.5	43	13	5.4	0.6
NEBG029	-500	M	0.0	0	-2	-1.0	M
NEBG030	43700	2.2	-0.3	44	7	5.2	0.5
NEBG031	-500	M	2.3	0	-2	-1.0	M
NEBG032	44300	1.3	1.3	40	7	7.3	0.4
NEBG033	-500	M	0.0	0	-2	-1.0	M
NEBG034	38600	0.5	-0.8	32	8	2.2	0.5
NEBG035	47400	1.7	1.6	52	13	7.9	0.4
NEBG036	-500	M	-0.3	0	-2	-1.0	M
NEBG037	44300	3.6	-0.2	28	6	3.6	0.4
NEBG038	38500	0.6	0.0	39	7	4.5	0.4
NEBG039	35000	M	-0.2	-5	11	-1.0	M
NEBG040	-500	M	0.0	0	-2	-1.0	M
NEBG041	46300	0.3	0.0	33	7	-1.0	0.5
NEBG042	-500	M	0.0	0	-2	-1.0	M
NEBG043	31800	1.5	0.0	33	6	2.9	0.4
NEBG044	48200	0.4	-0.2	44	8	4.9	0.5
NEBG045	-500	M	-0.1	-5	-2	-1.0	M
NEBG046	39600	0.6	1.3	33	6	-1.0	0.3
NEBG047	-500	M	-0.1	0	-2	-1.0	M
NEBG048	50700	0.4	-0.9	36	7	-1.0	0.5
NEBG049	-500	M	-0.9	0	-2	-1.0	M
NEBG050	21000	4.9	-0.2	29	3	-1.0	M
NEBG051	44800	0.3	-0.5	29	9	-1.0	M
NEBG052	-500	M	-0.1	0	-2	-1.0	M
NEBG053	37600	M	2.0	46	7	-1.0	0.5
NEBG054	40500	0.2	3.2	19	3	-1.0	0.2
NEBG055	47400	0.1	-1.0	22	3	-1.0	M
NEBG056	36300	M	0.0	36	5	-1.0	0.2
NEBG057	24800	0.6	-0.9	52	8	4.7	0.8
NEBH001	37700	4.1	-0.8	35	7	2.6	0.3
NEBH002	29900	M	4.5	79	14	-1.0	1.4
NEBH003	23200	1.3	-0.9	32	5	2.0	0.3
NEBH004	-500	M	-0.1	0	-2	-1.0	M
NEBH005	40300	1.3	1.2	55	10	7.3	1.0
NEBH006	25500	4.9	-0.8	41	8	5.3	0.7
NEBH007	44300	0.9	-0.4	49	9	-1.0	0.4
NEBH008	49500	0.7	-0.2	37	22	5.6	1.2

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

51

SRL I. D.	AL	DY	EU	LA	SM	YB	LU
NEBH009	43100	M	1.1	42	9	4.2	0.6
NEBH010	26900	7.1	2.6	83	22	10.0	1.4
NEBH011	50200	M	-0.1	-5	-2	-1.0	1.0
NEBH012	40900	M	-0.2	37	7	-1.0	0.5
NEBH013	38000	M	-0.5	91	18	11.3	0.9
NEBH014	29700	1.3	-0.1	31	6	3.0	0.3
NEBH015	44300	1.3	-0.8	40	6	-1.0	0.8
NEBH016	41100	M	-1.0	91	15	12.0	1.8
NEBH017	47400	2.2	-0.3	63	10	5.7	0.8
NEBH018	30100	M	-0.6	27	4	-1.0	0.4
NEBH019	43500	M	3.8	44	10	-1.0	0.6
NEBH020	41700	2.8	-0.8	46	9	7.3	0.8
NEBH021	41700	4.7	-0.8	49	12	5.7	1.3
NEBH022	40500	0.8	-0.5	49	7	-1.0	0.9
NEBH023	41400	4.1	-0.1	74	18	14.5	2.2
NEBH024	45100	0.4	-0.4	51	17	8.3	1.3
NEBH025	45100	1.8	-0.4	79	13	7.9	1.5
NEBH026	45300	5.5	-0.2	76	12	10.0	1.2
NEBH027	46100	1.7	-0.7	83	14	10.6	1.9
NEBH028	44400	2.7	-1.0	36	7	5.0	0.7
NEBH029	44100	0.2	-0.8	32	6	2.1	0.3
NEBH030	42300	0.2	1.2	30	7	4.6	0.5
NEBH031	43200	2.7	2.2	39	10	6.5	0.4
NEBH032	-500	M	0.0	0	-2	-1.0	M
NEBH033	27200	3.0	-0.3	37	7	3.6	0.4
NEBH034	50200	0.6	2.4	26	5	2.2	0.3
NEBH035	24400	1.0	-1.0	54	14	7.0	1.0
NEBH036	41900	M	-0.5	40	7	-1.0	0.4
NEBH037	39000	M	-0.8	42	9	5.4	0.4
NEBH038	47000	M	4.5	54	11	-1.0	0.6
NEBH039	39600	M	-0.8	27	4	1.4	0.3
NEBH040	22800	M	-0.6	26	4	2.2	0.2
NEBH041	53100	M	2.7	41	14	7.1	0.7
NEBH042	24900	M	3.3	47	12	6.0	0.8
NEBH043	46500	5.7	2.0	112	16	-1.0	0.9
NEBH044	42200	0.9	-1.0	75	11	6.2	0.4
NEBH045	23000	1.4	2.1	52	13	7.2	0.8
NEBH046	30000	4.1	-0.2	24	9	-1.0	M
NEBH047	40300	0.4	-0.7	28	5	-1.0	0.3
NEBH048	22700	M	-0.9	43	7	3.4	0.8
NEBH049	40800	M	-0.5	115	8	-1.0	0.7
NEBH050	45200	0.5	-0.7	37	6	1.9	0.4
NEBH051	36400	M	-0.6	29	5	-1.0	0.3
NEBH052	47900	M	-0.3	37	15	-1.0	0.7
NEBH053	35500	0.5	5.8	80	13	15.1	1.7
NEBH054	38100	0.3	-0.1	22	4	-1.0	0.3
NEBH055	41700	1.5	1.8	37	6	2.8	0.4
NEBH056	34400	1.3	1.9	63	12	-1.0	0.3
NEBH057	46000	5.2	-0.4	37	13	-1.0	M
NEBH058	26800	1.7	-0.1	16	3	1.4	0.1

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

52

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEBH059	37100	1.9	-0.3	28	5	3.0	0.3
NECA001	55000	0.5	2.7	76	13	-1.0	0.5
NECA002	49300	0.9	-1.0	94	13	4.8	0.7
NECA003	55900	2.0	-0.2	58	8	3.2	0.5
NECA004	51800	M	-0.5	45	8	3.5	0.4
NECA005	35200	0.6	-0.7	35	5	3.2	0.3
NECA006	51600	M	2.3	65	10	3.8	0.7
NECA007	50500	1.3	-0.8	46	6	4.0	0.5
NECA008	47200	1.8	-1.0	65	13	16.1	1.0
NECA009	51800	0.9	2.5	50	8	1.6	0.4
NECA010	51400	0.3	-0.4	38	6	2.1	0.3
NECA011	-500	M	0.0	0	-2	-1.0	M
NECA012	38700	1.2	3.2	47	7	1.8	0.4
NECA013	43700	8.2	2.1	83	13	7.7	1.0
NECA014	31600	1.3	-1.0	34	5	4.2	0.3
NECA015	-500	M	0.0	0	-2	-1.0	M
NECA016	54100	3.3	-0.5	22	4	-1.0	0.2
NECA017	50300	6.8	0.0	35	6	3.4	0.3
NECA018	59500	0.9	-0.2	34	4	-1.0	M
NECA019	53200	M	-0.7	50	8	3.2	0.3
NECA020	50300	5.8	-0.8	39	9	5.4	0.5
NECA021	58300	M	-0.2	63	10	3.3	0.9
NECA022	62600	3.4	0.0	56	8	3.9	0.5
NECA023	34200	7.4	-1.0	113	14	8.1	1.2
NECA024	50200	0.7	-0.5	65	11	4.1	0.8
NECA025	51700	1.1	-1.0	55	10	4.4	0.7
NECA026	50500	1.3	-0.2	82	12	8.8	0.9
NECA027	49900	1.1	-0.8	49	7	3.0	0.3
NECA028	500	M	-0.1	0	-2	-1.0	M
NECA029	22100	1.7	2.2	41	6	3.2	0.4
NECA030	35900	0.4	-0.7	37	6	3.0	0.4
NECA031	45800	M	-0.6	36	4	-1.0	M
NECA032	49500	1.1	1.2	41	6	-1.0	0.5
NECA033	53000	0.7	-0.1	16	4	-1.0	0.2
NECB001	53400	0.3	2.9	60	7	-1.0	0.4
NECB002	53000	0.6	-0.1	44	8	3.1	0.4
NECB003	50200	0.9	-1.0	65	9	5.4	0.6
NECB004	50600	0.4	2.3	65	13	5.5	0.7
NECB005	55900	1.3	-0.7	74	10	11.3	0.6
NECB006	54100	0.2	-0.7	80	9	-1.0	0.6
NECB007	49200	2.1	-0.8	45	6	5.5	0.4
NECB008	31700	1.4	0.0	43	6	1.7	0.3
NECB009	52300	M	-0.5	55	6	5.0	0.5
NECB010	46200	M	1.4	40	6	4.1	0.5
NECB011	51900	M	-0.5	64	7	-1.0	0.4
NECB012	50400	0.6	-1.0	54	9	3.4	0.6
NECB013	-500	M	-0.1	0	-2	-1.0	M
NECB014	47700	1.0	-0.8	41	7	4.4	0.5
NECB015	50200	0.2	-0.9	23	21	7.7	M
NECB016	52800	0.6	-0.4	20	3	-1.0	M

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

53

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NECB017	44000	M	-0.1	32	5	4.9	M
NECB018	53700	0.4	-0.3	56	8	4.7	0.6
NECB019	49300	M	-1.0	63	10	5.0	0.8
NECB020	52900	1.7	-1.0	87	12	6.9	1.2
NECB021	50000	8.3	1.5	72	11	5.5	0.7
NECB022	45600	0.6	2.7	49	8	2.6	0.5
NECB023	51700	M	-0.3	24	3	-1.0	0.2
NECB024	48300	0.7	-0.2	30	5	2.5	0.3
NECB025	46700	M	-1.0	24	4	-1.0	M
NECB026	34300	0.3	-0.9	44	-2	2.3	0.2
NECB027	55100	0.6	2.6	63	12	4.5	0.8
NECB028	51900	M	-0.7	45	6	-1.0	M
NECB029	48600	2.4	-0.3	47	7	3.2	0.2
NECB030	52500	M	-0.6	33	5	2.2	0.2
NECB031	49400	0.3	-0.7	45	7	1.6	0.4
NECB032	52800	6.5	-0.1	48	8	2.7	0.2
NECB033	51000	0.8	3.1	56	9	3.2	0.8
NECB034	44500	0.9	1.9	53	9	4.3	0.3
NECB035	42400	M	-0.8	128	16	8.6	0.5
NECB036	54600	1.5	4.3	37	8	3.7	0.3
NECB037	34100	6.6	-0.8	37	10	-1.0	0.2
NECB038	49900	1.1	5.3	47	7	5.6	0.3
NECB039	49200	0.4	1.0	46	7	3.7	0.5
NECB040	46700	1.0	-0.1	38	8	4.3	0.3
NECB041	29900	0.5	-0.3	22	7	-1.0	0.1
NECB042	43900	M	-0.7	25	4	1.7	0.2
NECB043	43700	1.8	-0.4	27	4	-1.0	0.1
NECB044	47100	M	-0.3	29	4	-1.0	0.3
NECB045	51700	1.0	-0.3	30	4	-1.0	0.3
NECB046	23700	1.4	-0.8	43	7	2.7	0.5
NECB047	49900	M	-1.0	63	-2	4.0	0.4
NECB048	50300	0.6	1.6	43	7	3.4	0.5
NECB049	34700	1.4	-0.5	40	-2	-1.0	0.3
NECB050	36300	M	-0.9	48	8	4.2	0.4
NECB051	48300	1.3	-0.6	25	4	-1.0	0.2
NECB052	49100	M	1.1	47	7	-1.0	0.4
NECB053	45900	0.6	-1.0	42	7	-1.0	M
NECB054	49500	1.4	1.6	31	4	-1.0	0.3
NECB055	37700	M	-0.9	31	5	6.4	0.3
NECC001	52700	M	1.4	46	9	-1.0	0.3
NECC002	17400	1.1	0.7	12	3	1.3	0.1
NECC003	56600	M	-1.0	46	7	-1.0	0.4
NECC004	44400	0.6	-1.0	-5	M	M	M
NECC005	48300	2.0	-1.0	-5	9	M	M
NECC006	52500	M	1.3	39	5	-1.0	M
NECC007	52200	M	-1.0	-5	M	M	M
NECC008	56100	0.8	-0.2	53	11	3.0	0.5
NECC009	49100	0.7	-1.0	-5	6	M	M
NECC010	51400	1.9	-0.9	52	8	2.4	0.3
NECC011	51900	5.8	3.5	52	9	4.1	0.6

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

54

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NECC012	51600	M	-0.4	58	11	-1.0	0.9
NECC013	53000	0.8	3.8	45	7	4.0	0.5
NECC014	36600	0.4	2.3	67	12	5.7	0.8
NECC015	54300	0.5	-0.8	65	10	-1.0	0.5
NECC016	47800	1.2	-0.3	44	8	3.2	0.4
NECC017	16200	0.2	-1.0	-5	-2	M	M
NECC018	31800	2.1	-1.0	-5	9	M	M
NECC019	50900	4.7	-0.3	45	8	-1.0	0.7
NECC020	53200	M	-0.5	71	7	-1.0	0.4
NECC021	58000	4.4	-0.7	40	7	3.5	0.5
NECC022	51000	0.2	0.9	39	7	3.8	0.3
NECC023	61300	M	-0.7	54	9	-1.0	0.4
NECC024	52200	3.2	-1.0	47	8	3.2	0.3
NECC025	49500	2.0	1.5	42	7	1.8	0.5
NECC026	52100	M	3.0	63	17	-1.0	0.6
NECC027	51700	0.7	1.5	49	8	3.9	0.6
NECC028	35000	0.8	-0.1	28	4	-1.0	0.2
NECC029	52800	1.6	-0.5	36	8	-1.0	0.3
NECC030	36400	3.6	0.9	45	12	2.5	0.4
NECC031	45400	0.2	-0.3	23	5	-1.0	M
NECC032	49200	2.6	2.1	40	6	2.4	0.3
NECC033	57000	0.5	-0.3	57	14	-1.0	0.7
NECC034	-500	M	-1.0	-5	M	M	M
NECC035	-500	M	-1.0	-5	M	M	M
NECD001	19700	1.6	-0.2	12	2	-1.0	0.2
NECD002	51100	5.8	1.5	60	9	-1.0	0.4
NECD003	49700	0.4	2.5	35	6	2.9	0.4
NECD004	34100	3.9	1.4	52	8	2.5	0.7
NECD005	50500	0.7	-1.0	-5	M	M	M
NECD006	33400	4.7	0.0	41	9	3.4	0.5
NECD007	52900	16.2	3.9	44	10	-1.0	0.4
NECD008	47900	1.9	0.9	39	7	3.2	0.4
NECD009	52400	0.4	3.3	36	7	-1.0	0.5
NECD010	47600	1.2	-0.5	34	6	3.6	0.2
NECD011	45400	7.2	-0.8	56	11	2.9	0.6
NECD012	57000	M	-0.3	45	9	-1.0	0.3
NECD013	42700	3.6	2.0	51	8	3.1	0.4
NECD014	52500	1.7	1.9	47	9	7.0	0.6
NECD015	51900	4.6	-0.4	26	4	-1.0	0.3
NECD016	66500	0.2	2.4	43	9	5.8	0.4
NECD017	38400	2.9	2.5	101	16	14.3	1.9
NECD018	52400	0.3	0.0	35	6	3.0	0.3
NECD019	48500	1.2	-0.4	42	10	3.9	0.7
NECD020	51800	5.2	2.1	64	11	4.3	0.8
NECD021	39800	4.4	2.5	73	13	4.4	1.0
NECD022	45200	1.2	-0.3	56	10	7.2	0.6
NECD023	50700	0.6	-0.6	54	10	5.0	0.7
NECD024	37800	3.5	-0.1	57	9	5.9	0.7
NECD025	55500	0.2	-0.5	48	7	-1.0	0.6
NECD026	51900	1.1	0.9	36	6	2.2	0.5

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

55

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NECD027	23200	6.3	2.3	48	9	4.3	0.6
NECD028	48200	2.4	-0.2	26	6	-1.0	0.5
NECD029	38700	1.6	1.7	42	7	1.6	0.5
NECD030	-500	M	-0.2	0	-2	-1.0	M
NECD031	51900	0.5	-0.7	53	9	-1.0	0.5
NECD032	39500	3.2	0.9	44	8	5.0	0.7
NECD033	42000	3.6	-0.8	97	13	5.4	0.9
NECD034	44300	M	1.9	72	12	6.0	0.6
NECD035	44300	0.7	0.0	34	6	4.7	0.5
NECD036	44100	3.9	3.3	114	20	6.3	0.9
NECD037	47900	1.7	-0.4	34	7	-1.0	0.2
NECD038	44200	2.4	1.3	45	7	3.9	0.5
NECD039	54700	0.3	2.3	50	7	-1.0	0.4
NECD040	52200	1.2	0.8	32	5	1.7	0.1
NECD041	49900	0.7	1.0	33	5	-1.0	0.3
NECD042	50500	M	1.4	43	8	4.2	0.6
NECD043	57300	0.4	-0.4	42	10	9.4	0.5
NECD044	53300	M	-0.2	40	8	4.9	0.3
NECD045	49800	1.0	1.9	46	7	-1.0	M
NECD046	50000	1.0	0.0	29	5	3.5	0.3
NECD047	48600	2.4	1.7	51	9	4.6	0.5
NECD048	54200	3.2	-0.4	30	5	3.1	0.4
NECD049	49900	0.6	1.7	54	9	3.7	0.7
NECD050	50100	M	-0.6	64	17	-1.0	0.8
NECD051	46000	1.0	-0.7	57	12	3.8	0.6
NECD052	50300	0.4	3.3	69	18	-1.0	0.4
NECD053	49600	M	-0.5	35	5	-1.0	0.4
NECD054	41200	3.7	1.5	38	6	1.8	0.3
NECD055	52300	1.0	1.7	60	19	-1.0	0.6
NECD056	44500	M	2.6	65	12	2.9	0.6
NECD057	63600	1.0	4.7	54	14	5.0	M
NECD058	48700	0.5	1.0	36	6	1.7	0.3
NECD059	39700	5.4	-0.5	46	8	7.3	0.5
NECD060	46200	M	0.0	87	23	5.4	0.4
NECD061	49100	1.6	2.6	60	10	5.3	0.6
NECD062	31800	0.9	-0.4	31	8	4.0	0.3
NECD063	50400	0.7	1.8	58	10	4.5	0.6
NECD064	45000	7.1	-0.1	49	11	6.7	0.7
NECD065	51600	M	-0.1	63	8	-1.0	0.5
NECD066	35000	5.2	0.0	71	15	9.7	0.8
NECD067	54900	1.1	3.8	70	14	-1.0	0.6
NECE001	43300	0.9	-1.0	28	6	2.4	0.4
NECE002	38400	M	2.8	81	19	10.7	2.2
NECE003	30800	3.6	1.5	30	7	-1.0	0.4
NECE004	53000	M	0.6	34	6	-1.0	0.3
NECE005	46600	4.5	1.1	61	14	7.4	0.9
NECE006	49100	0.7	0.7	30	6	3.9	0.5
NECE007	56400	M	-0.2	36	12	-1.0	M
NECE008	43500	M	1.1	65	11	5.4	1.0
NECE009	48000	5.2	1.5	23	30	-1.0	0.4

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

56

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NECE010	50000	0.7	1.5	32	6	4.0	0.3
NECE011	47100	1.8	2.8	44	10	8.3	0.8
NECE012	-500	M	-0.1	0	-2	-1.0	M
NECE013	48000	0.2	0.8	30	5	-1.0	0.4
NECE014	51700	M	2.2	51	10	-1.0	0.5
NECE015	51600	0.6	0.0	13	2	-1.0	0.1
NECE016	40900	2.6	3.9	21	7	3.1	0.3
NECE017	42500	8.9	-0.8	37	9	5.6	0.6
NECE018	44600	2.7	1.6	43	9	7.2	0.8
NECE019	45300	3.1	-0.8	47	15	4.6	0.7
NECE020	46000	2.2	0.0	29	5	3.2	0.3
NECE021	47300	0.7	1.2	41	8	5.0	0.6
NECE022	46400	2.9	1.7	55	11	5.6	0.8
NECE023	32100	1.3	-0.1	31	5	3.0	0.5
NECE024	47000	1.0	-0.6	50	10	4.3	0.8
NECE025	50400	3.3	-0.6	63	12	-1.0	1.3
NECE026	47500	0.3	2.1	34	6	-1.0	0.4
NECE027	62000	M	1.8	55	10	5.9	0.9
NECE028	51100	M	0.0	38	8	-1.0	0.5
NECE029	46000	8.4	1.9	35	8	3.4	0.5
NECE030	45100	1.1	1.8	34	8	3.9	0.4
NECE031	39200	7.3	3.3	86	19	12.6	1.4
NECE032	41900	1.1	1.2	49	11	7.7	0.7
NECE033	-500	M	-0.1	0	-2	-1.0	M
NECE034	48000	1.3	-0.1	49	10	5.3	1.0
NECE035	48200	2.6	2.3	78	16	6.1	1.0
NECE036	36100	1.7	1.7	47	9	4.5	0.7
NECF001	33600	3.5	-0.4	38	6	3.4	0.6
NECF002	38400	1.3	-0.6	22	6	2.7	M
NECF003	35400	1.1	2.4	84	11	6.2	0.6
NECF004	41600	2.8	2.2	39	7	2.5	0.3
NECF005	42600	2.8	0.8	25	4	2.3	0.3
NECF006	42600	2.7	-0.4	20	5	-1.0	M
NECF007	-500	M	1.4	0	-2	-1.0	M
NECF008	50500	0.7	0.8	25	5	3.4	0.3
NECF009	-500	M	0.0	0	-2	-1.0	M
NECF010	37300	5.2	1.9	42	7	5.1	0.3
NECF011	42300	0.9	3.2	23	4	-1.0	0.2
NECF012	45800	1.7	1.7	50	7	-1.0	0.4
NECF013	50000	0.6	-0.5	40	8	3.5	0.5
NECF014	47500	M	2.7	36	6	-1.0	0.2
NECF015	44200	0.2	0.8	25	4	2.2	0.3
NECF016	42800	1.0	1.7	37	6	-1.0	0.3
NECF017	46200	0.6	-0.1	36	7	4.4	0.6
NECF018	45000	5.3	0.9	25	5	1.4	0.3
NECF019	47900	M	-0.5	46	9	-1.0	0.7
NECF020	44100	M	0.9	27	5	4.4	0.4
NECF021	44900	0.2	0.0	25	4	-1.0	M
NECF022	44700	1.8	-0.3	-5	8	-1.0	0.4
NECF023	42000	0.6	-0.7	27	5	1.9	0.4



TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

57

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NECF024	35400	0.7	0.0	21	4	2.3	0.4
NECF025	44700	0.3	1.4	36	7	-1.0	0.4
NECF026	41700	M	-0.5	25	4	-1.0	0.4
NECF027	-500	M	-1.0	-5	M	M	M
NECF028	40400	M	2.3	31	3	-1.0	0.4
NECF029	42800	1.3	-0.2	11	3	-1.0	0.1
NECF030	38200	0.5	0.0	19	6	-1.0	M
NECF031	40900	M	1.6	22	5	-1.0	M
NECF032	42900	5.3	-0.3	30	6	4.5	0.5
NECF033	40900	4.1	-0.4	30	5	3.1	0.6
NECF034	41900	3.2	2.5	41	19	-1.0	M
NECF035	39900	M	-0.5	18	3	-1.0	0.3
NECF036	38800	1.1	1.7	56	7	4.3	0.3
NECF037	36600	M	2.8	55	19	3.9	0.4
NECF038	29900	0.3	-0.5	45	5	3.2	M
NECF039	25300	1.2	0.0	97	9	4.2	0.8
NECF040	37800	M	2.1	60	5	-1.0	0.4
NECF041	33800	0.7	0.0	14	3	-1.0	M
NECF042	40400	0.3	-0.1	27	5	-1.0	0.4
NECF043	47700	M	1.9	33	8	-1.0	M
NECF044	23900	M	0.0	32	6	5.2	0.3
NECF045	47100	0.3	3.0	63	15	6.3	1.1
NECF046	51400	0.9	-0.7	37	9	-1.0	0.2
NECF047	42000	M	-0.1	67	9	6.9	1.7
NECF048	42900	1.0	-0.1	27	5	2.2	0.2
NECF049	41300	0.4	-0.3	17	5	-1.0	M
NECF050	46200	M	-0.3	26	7	4.8	0.4
NECF051	45000	M	-0.1	39	7	2.5	0.4
NECF052	18300	4.3	-0.7	23	5	-1.0	0.3
NECF053	40400	10.6	0.0	32	6	4.1	0.3
NECF054	42000	0.4	-0.4	11	2	-1.0	M
NECF055	42100	M	-0.2	22	4	1.5	0.2
NECF056	45100	0.5	-0.6	30	7	-1.0	0.2
NECF057	43100	M	-0.9	39	6	-1.0	M
NECF058	45300	1.1	-0.8	35	8	3.0	M
NECF059	56500	1.6	-0.8	25	4	3.9	0.3
NECF060	40800	M	-0.8	29	5	2.0	0.2
NECF061	50300	0.8	0.0	31	5	-1.0	0.3
NECF062	30900	0.1	-0.7	29	7	2.2	0.4
NECF063	37100	0.5	1.7	30	5	-1.0	0.4
NECG001	44200	4.6	0.0	34	11	-1.0	0.5
NECG002	27700	M	-1.0	18	3	-1.0	M
NECG003	41100	M	-0.7	32	5	-1.0	0.3
NECG004	40400	0.8	-0.7	28	4	-1.0	0.1
NECG005	42300	0.5	-0.4	-5	4	-1.0	M
NECG006	39700	M	-1.0	31	5	-1.0	0.2
NECG007	41900	2.3	-0.9	37	7	4.7	0.5
NECG008	28900	0.3	2.6	106	16	6.3	1.1
NECG009	39900	M	-0.5	21	4	-1.0	M
NECG010	41900	1.5	-1.0	70	11	6.6	0.6

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

58

SRL I. D.	AL	DY	EU	LA	SM	YB	LU
NECG011	44200	0.5	-0.3	39	6	-1.0	0.3
NECG012	35800	M	-0.1	21	4	2.1	0.2
NECG013	36800	0.7	-0.8	36	5	-1.0	0.3
NECG014	42600	M	1.7	28	12	-1.0	0.2
NECG015	33500	0.3	-1.0	27	5	-1.0	M
NECG016	35500	0.6	1.1	20	4	-1.0	0.2
NECG017	50000	0.3	-0.4	33	5	4.1	0.4
NECG018	35500	M	-0.8	25	4	3.6	0.3
NECG019	33600	M	-1.0	36	9	-1.0	0.5
NECG020	46800	5.4	-0.5	36	8	-1.0	M
NECG021	33400	0.5	-0.9	38	7	-1.0	0.3
NECG022	33500	0.9	-0.2	25	4	1.9	0.2
NECG023	38100	0.2	-0.3	42	10	6.3	0.4
NECG024	44900	M	-0.7	22	5	3.1	0.2
NECG025	35100	M	-0.1	31	6	3.2	0.4
NECG026	41400	M	5.8	50	7	-1.0	0.8
NECG027	39700	0.3	-0.6	31	9	2.9	0.3
NECG028	39800	0.7	1.4	27	5	1.5	0.2
NECG029	33600	0.3	2.1	26	6	-1.0	0.5
NECG030	44100	2.2	1.9	36	7	-1.0	M
NECG031	45400	1.5	1.3	46	11	4.0	0.4
NECG032	35800	2.4	-0.9	36	6	4.1	0.6
NECG033	53700	3.5	-0.7	33	11	-1.0	M
NECG034	37000	0.4	-0.8	29	5	2.0	0.4
NECG035	29200	0.7	-0.2	31	7	-1.0	0.3
NECG036	44000	M	0.0	32	4	-1.0	0.5
NECG037	39800	1.9	-0.1	15	3	2.4	0.3
NECG038	38400	4.9	-1.0	44	11	3.9	0.7
NECG039	44000	0.3	-0.7	35	7	-1.0	0.3
NECG040	30000	M	2.3	36	8	2.9	0.4
NECG041	39900	M	-0.2	50	13	-1.0	0.4
NECG042	21900	M	-0.7	21	4	-1.0	M
NECG043	37200	0.6	-1.0	78	12	4.6	0.8
NECG044	32900	M	2.1	34	5	3.9	0.3
NECG045	41700	0.3	-0.9	57	9	-1.0	0.3
NECG046	52600	1.1	3.1	42	6	-1.0	0.3
NECG047	42600	M	-0.9	43	7	2.1	0.4
NECG048	42300	M	-1.0	52	11	-1.0	0.6
NECG049	31700	0.6	-0.9	44	7	2.9	0.4
NECG050	42300	M	2.0	53	9	4.0	0.5
NECG051	40400	M	-0.1	40	8	-1.0	0.6
NECG052	38700	6.7	-0.8	44	8	4.2	0.5
NECG053	38600	1.9	-0.5	26	5	2.4	0.4
NECG054	41600	0.3	1.9	39	9	6.3	0.4
NECG055	38200	1.7	-0.7	25	6	2.5	0.3
NECG056	38200	3.8	-0.5	63	11	2.9	0.4
NECG057	38500	M	-0.5	39	8	2.3	0.3
NECG058	37900	M	-0.7	30	6	2.9	0.3
NECG059	33700	4.5	-0.8	29	5	-1.0	0.2
NECH001	41100	1.0	2.7	32	10	4.4	0.4

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

59

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NECH002	39800	M	-0.7	21	5	-1.0	M
NECH003	37200	0.3	1.4	35	7	-1.0	0.3
NECH004	44600	0.4	0.0	35	6	3.8	0.3
NECH005	29300	1.5	1.3	28	7	4.2	0.5
NECH006	31400	2.5	-1.0	45	9	3.4	0.4
NECH007	39600	4.8	2.4	84	18	8.9	1.0
NECH008	35100	0.9	-0.8	25	6	1.8	M
NECH009	39500	M	-0.2	31	5	3.7	0.4
NECH010	40400	1.7	-0.1	44	9	4.4	0.4
NECH011	55200	0.6	-0.5	70	14	8.4	0.8
NECH012	58300	0.9	2.8	63	8	4.4	0.7
NECH013	34000	M	-0.2	51	14	-1.0	0.8
NECH014	36800	1.9	-0.5	29	5	-1.0	M
NECH015	45700	2.7	3.5	85	14	10.2	1.4
NECH016	42700	1.9	-0.5	52	10	3.9	0.5
NECH017	39200	11.0	-0.4	40	6	-1.0	M
NECH018	38900	1.1	-0.7	26	5	1.7	0.2
NECH019	39600	M	-0.7	33	6	7.5	0.5
NECH020	40400	M	2.5	56	15	-1.0	0.6
NECH021	37700	2.1	2.3	58	15	7.5	0.8
NECH022	31300	M	-1.0	77	18	7.4	1.3
NECH023	39200	0.4	-0.9	35	10	-1.0	0.5
NECH024	30600	0.2	-1.0	35	6	2.6	0.3
NECH025	39400	0.2	-1.0	41	6	3.0	0.5
NECH026	39600	0.3	-0.2	25	12	-1.0	M
NECH027	40700	0.1	-1.0	45	9	3.5	0.5
NECH028	54800	1.1	-0.1	41	5	-1.0	M
NECH029	47200	0.9	-0.4	30	5	4.1	M
NECH030	44500	1.7	2.1	98	19	9.1	1.0
NECH031	40900	0.9	-0.2	44	12	2.8	0.5
NECH032	43700	1.7	2.5	56	11	6.3	0.9
NECH033	48400	0.5	1.6	21	6	1.5	0.3
NECH034	42600	0.4	-0.7	35	7	3.8	0.3
NECH035	40300	0.9	-0.6	47	17	-1.0	M
NECH036	41200	0.8	-0.1	60	10	6.4	0.8
NECH037	42000	0.5	-0.2	56	10	3.4	0.5
NECH038	41600	0.5	-0.5	29	6	4.1	0.4
NECH039	36900	9.3	1.0	35	13	-1.0	0.3
NECH040	40000	1.2	-0.8	35	7	3.4	0.5
NECH041	37900	4.0	-1.0	39	8	4.2	0.4
NECH042	47800	1.0	0.9	56	8	4.6	0.6
NECH043	44300	0.9	4.5	30	6	-1.0	0.3
NECH044	39200	19.6	-0.1	73	6	-1.0	M
NECH045	36200	0.1	-0.8	36	8	2.8	0.3
NECH046	37100	1.7	1.8	51	10	6.4	0.6
NECH047	53300	10.2	0.0	44	17	7.6	0.6
NECH048	40100	M	-0.8	24	5	1.6	0.3
NECH049	20700	1.3	-1.0	65	18	11.7	1.8
NECH050	43100	1.3	-0.3	87	18	11.6	1.0
NECH051	38300	1.0	-0.8	31	12	2.3	M

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

60

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NECH052	40900	0.4	-0.9	40	10	3.9	0.6
NECH053	53400	0.8	1.4	49	9	-1.0	0.6
NECH054	41400	2.5	-0.2	39	8	5.0	0.5
NECH055	43400	0.8	-0.8	45	9	4.1	0.6
NECH056	41900	3.7	2.4	62	16	-1.0	0.6
NECH057	37100	1.2	3.4	81	22	7.2	0.8
NECH058	38900	1.4	1.9	114	26	6.9	1.2
NECH059	43400	9.1	2.7	69	15	-1.0	0.8
NECH060	40900	2.4	2.5	51	8	4.4	0.5
NECH061	40100	5.5	2.8	73	17	4.9	0.8
NECH062	32900	1.6	-1.0	76	15	5.4	0.6
NEDA001	49100	7.3	1.8	74	13	8.2	0.6
NEDA002	44000	1.6	-1.0	102	14	3.3	0.7
NEDA003	48400	1.1	3.9	78	13	5.0	0.7
NEDA004	53100	M	-0.1	76	10	5.0	0.9
NEDA005	48600	12.6	-1.0	85	11	4.5	0.7
NEDA006	46700	1.2	-1.0	101	17	7.1	1.0
NEDA007	49400	1.3	2.2	103	26	7.0	1.0
NEDA008	41500	M	-1.0	117	19	5.3	1.3
NEDA009	33600	M	-0.9	38	6	-1.0	0.3
NEDA010	42100	M	-0.3	93	13	10.3	2.1
NEDA011	48900	1.2	-1.0	99	16	9.0	1.3
NEDA012	48800	1.4	-1.0	60	10	6.9	0.8
NEDA013	44800	0.9	1.9	92	12	7.9	1.3
NEDA014	47000	5.4	0.0	57	9	5.1	0.7
NEDA015	39500	2.6	-0.3	53	7	2.4	0.7
NEDA016	48900	0.9	-0.1	50	8	-1.0	0.5
NEDA017	35500	0.5	1.7	41	7	3.7	0.4
NEDA018	45000	M	-0.6	48	8	3.4	0.4
NEDA019	48000	M	-0.6	52	8	4.3	0.3
NEDA020	33400	2.9	2.6	34	5	2.8	0.4
NEDA021	45900	3.4	-1.0	107	14	3.6	0.8
NEDA022	15200	3.0	-1.0	0	-2	-1.0	M
NEDA023	41700	1.8	4.0	134	19	-1.0	1.5
NEDA024	51400	1.6	-0.8	47	9	-1.0	0.5
NEDA025	52200	3.6	-1.0	75	13	8.2	0.8
NEDA026	50700	2.2	2.2	107	18	-1.0	1.0
NEDA027	49600	1.9	-0.9	50	8	3.9	0.7
NEDA028	50000	0.4	-1.0	62	10	3.3	0.6
NEDA029	40500	13.8	2.5	179	24	10.1	1.6
NEDA030	47300	0.8	2.8	72	12	6.2	0.7
NEDA031	50500	0.4	-0.8	73	13	4.8	0.9
NEDA032	47700	M	-1.0	73	10	6.5	0.8
NEDA033	43300	1.5	-1.0	86	13	4.9	0.7
NEDA034	52500	1.7	2.5	94	17	6.1	0.8
NEDA035	48400	M	2.3	39	6	2.4	0.4
NEDA036	31900	0.7	-1.0	40	6	5.3	0.4
NEDA037	51900	0.4	-1.0	68	12	7.7	0.7
NEDA038	44600	0.3	-0.3	46	7	5.8	0.4
NEDA039	50000	1.1	-1.0	62	11	6.7	0.5

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

61

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEDA040	48200	M	3.6	118	20	11.6	1.5
NEDA041	52700	1.9	-1.0	53	8	4.4	0.5
NEDA042	48400	2.8	-0.9	50	7	2.4	0.5
NEDA043	52500	M	1.7	45	11	-1.0	0.5
NEDA044	48200	0.5	0.0	53	9	-1.0	M
NEDA045	49700	0.7	-1.0	72	5	4.8	0.6
NEDA046	50800	6.5	-1.0	72	10	4.8	0.5
NEDA047	52900	M	-0.6	62	9	4.0	0.6
NEDA048	48300	3.6	-1.0	59	8	4.6	0.5
NEDA049	52700	1.3	3.2	72	12	6.2	0.8
NEDA050	56400	M	0.9	56	9	-1.0	M
NEDA051	50900	1.0	2.1	43	6	3.5	0.3
NEDA052	48000	M	1.9	53	8	5.4	0.3
NEDA053	57100	0.8	1.2	59	9	-1.0	0.8
NEDA054	46100	1.9	-1.0	113	16	3.9	1.1
NEDA055	51400	0.6	-0.4	62	9	5.3	0.4
NEDA056	62400	0.6	1.6	65	10	-1.0	0.4
NEDA057	49700	0.4	-1.0	48	7	2.5	0.3
NEDA058	51500	M	-0.1	80	13	8.7	0.8
NEDA059	51500	0.2	1.3	78	11	5.8	0.7
NEDA060	51200	M	-1.0	46	6	3.6	0.4
NEDA061	41000	0.5	1.7	33	6	3.1	0.3
NEDA062	67700	1.6	-0.7	50	9	-1.0	0.8
NEDA063	40500	1.3	-1.0	101	15	8.5	1.0
NEDB001	43600	0.8	-1.0	88	12	3.3	0.7
NEDB002	24500	M	-0.4	28	6	-1.0	0.3
NEDB003	43900	0.5	-0.2	47	7	3.4	0.6
NEDB004	39600	0.3	-0.6	31	6	3.2	0.4
NEDB005	39800	2.3	-1.0	147	21	11.5	1.8
NEDB006	48700	0.7	0.9	52	13	-1.0	0.6
NEDB007	48500	1.2	-0.8	43	7	2.4	0.5
NEDB008	49200	M	-1.0	38	7	-1.0	0.3
NEDB009	53600	0.7	-0.3	38	11	-1.0	0.5
NEDB010	51600	0.5	-1.0	59	5	4.3	0.4
NEDB011	64500	M	1.7	48	8	3.3	0.3
NEDB012	45900	0.3	-0.4	46	7	-1.0	0.5
NEDB013	49500	0.4	-0.1	41	7	3.8	0.5
NEDB014	52000	0.2	-1.0	51	9	-1.0	0.5
NEDB015	53500	M	3.0	61	9	-1.0	0.5
NEDB016	53000	0.9	-1.0	57	12	2.6	0.4
NEDB017	47500	1.4	-1.0	55	8	2.8	M
NEDB018	49700	0.4	1.6	48	8	4.5	0.5
NEDB019	42000	1.2	-0.9	48	7	3.9	0.3
NEDB020	52000	0.9	-0.9	67	13	3.5	0.9
NEDB021	47200	0.8	2.6	59	9	7.8	0.5
NEDB022	57000	1.5	-0.2	65	11	4.0	0.4
NEDB023	46500	M	-1.0	83	10	2.8	0.7
NEDB024	51000	0.6	-0.8	57	9	-1.0	0.4
NEDB025	51400	0.6	-1.0	58	8	5.4	0.4
NEDB026	53000	M	-0.2	49	10	6.9	M

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

62

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEDB027	60200	0.3	1.7	69	11	5.1	0.5
NEDB028	49400	M	-1.0	59	9	6.6	0.5
NEDB029	52100	1.0	-1.0	63	9	5.2	0.6
NEDB030	56100	M	-0.2	71	12	7.3	0.7
NEDB031	54000	1.0	-1.0	72	12	5.4	0.9
NEDB032	29100	0.6	1.2	29	4	-1.0	0.3
NEDB033	60500	1.2	2.4	57	8	4.0	0.5
NEDB034	45300	0.6	-0.5	76	14	2.0	0.4
NEDB035	55100	0.8	-1.0	54	8	-1.0	0.5
NEDB036	44400	6.6	1.7	56	12	3.9	0.5
NEDB037	50900	0.3	-0.6	37	6	4.3	0.2
NEDB038	48600	1.4	1.8	34	6	1.5	0.4
NEDB039	53300	0.4	-0.8	51	13	4.6	0.4
NEDB040	52100	1.5	3.3	66	9	1.9	0.3
NEDB041	45500	M	-0.1	43	7	2.1	0.4
NEDB042	51600	0.3	0.0	41	7	-1.0	0.5
NEDB043	48700	1.2	2.8	49	8	3.8	0.6
NEDB044	26300	M	-0.9	46	5	2.1	0.3
NEDB045	-500	M	0.0	0	-2	-1.0	M
NEDC001	45000	0.8	-0.7	28	4	-1.0	M
NEDC002	58100	1.2	-1.0	75	10	-1.0	0.5
NEDC003	53700	M	2.4	50	7	-1.0	0.3
NEDC004	41700	1.5	-0.5	23	3	2.7	0.2
NEDC005	39200	M	-0.6	40	5	2.8	0.3
NEDC006	43300	4.2	-1.0	45	9	-1.0	M
NEDC007	49400	0.3	5.5	79	13	-1.0	0.8
NEDC008	38400	1.2	-1.0	34	5	-1.0	0.2
NEDC009	52000	M	-1.0	35	6	2.6	0.3
NEDC010	58400	0.5	-0.5	53	10	-1.0	M
NEDC011	47100	M	-0.6	25	6	2.4	0.2
NEDC012	36500	0.5	-1.0	53	10	2.8	0.5
NEDC013	52100	0.7	2.6	48	11	-1.0	0.5
NEDC014	37300	M	-0.1	46	5	-1.0	0.3
NEDC015	50900	0.6	-0.7	39	7	4.3	0.4
NEDC016	52300	M	-1.0	-2	-2	-1.0	M
NEDC017	53300	0.4	-0.1	36	6	1.9	0.3
NEDC018	36700	3.6	-1.0	79	9	3.0	0.5
NEDC019	50700	0.4	-0.7	50	13	3.7	0.4
NEDC020	66100	1.2	3.3	64	11	-1.0	0.6
NEDC021	54600	0.5	-0.9	38	6	-1.0	0.3
NEDC022	51600	M	4.2	61	11	-1.0	0.3
NEDC023	52300	M	-0.7	34	5	2.8	0.3
NEDC024	52000	0.8	-1.0	69	9	5.8	0.4
NEDC025	69000	0.2	-0.2	52	7	-1.0	0.5
NEDC026	51900	1.3	-1.0	57	8	2.3	0.2
NEDC027	54000	M	-0.7	39	5	2.5	0.2
NEDC028	29900	0.9	-1.0	56	9	3.0	0.2
NEDC029	51200	4.5	1.6	51	12	-1.0	0.5
NEDC030	51800	1.2	-1.0	104	-2	2.8	0.4
NEDC031	40100	M	1.1	57	9	4.0	0.4

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

63

SRL I. D.	AL	DY	EU	LA	SM	YB	LU
NEDC032	47800	1.7	-1.0	149	17	-1.0	0.9
NEDC033	52300	0.9	1.4	42	7	2.3	0.4
NEDC034	51200	0.8	0.0	38	6	1.5	0.4
NEDC035	34200	4.9	-0.3	39	10	-1.0	M
NEDC036	47000	0.9	-1.0	90	11	3.1	0.5
NEDC037	44400	0.4	-0.6	26	6	1.8	0.4
NEDC038	56500	M	1.6	56	9	3.3	0.7
NEDD001	46400	1.4	1.4	36	6	3.2	0.3
NEDD002	42800	0.6	1.5	48	8	4.1	0.7
NEDD003	49700	1.0	-0.2	36	14	-1.0	1.4
NEDD004	43100	0.9	-0.5	34	6	1.9	0.3
NEDD005	32600	1.1	-0.8	35	5	-1.0	0.3
NEDD006	48900	0.5	1.3	46	8	3.7	0.5
NEDD007	47800	0.6	-0.4	40	7	3.3	0.5
NEDD008	43600	M	1.4	40	8	2.2	0.5
NEDD009	45800	0.2	1.7	37	5	-1.0	0.2
NEDD010	49000	0.7	-0.7	42	7	3.1	0.4
NEDD011	43700	0.8	1.6	33	8	1.8	0.4
NEDD012	50300	1.0	6.3	36	12	4.8	0.4
NEDD013	53300	0.8	-0.3	32	8	-1.0	0.3
NEDD014	50800	0.4	-0.2	25	5	2.4	0.2
NEDD015	45900	0.6	-1.0	56	-2	3.4	0.3
NEDD016	38400	0.3	2.8	-5	34	11.3	1.3
NEDD017	43300	M	-0.9	50	7	3.2	0.6
NEDD018	40000	M	-0.2	118	18	5.5	1.0
NEDD019	47000	0.3	-1.0	0	-2	-1.0	M
NEDD020	50100	0.2	-0.7	44	7	1.7	0.5
NEDD021	32400	0.6	-0.8	40	9	1.8	0.4
NEDD022	46700	0.4	-0.3	-5	18	-1.0	0.7
NEDD023	57500	0.6	-0.7	35	6	-1.0	0.5
NEDD024	28100	M	-1.0	33	8	-1.0	0.5
NEDD025	49000	M	1.3	-5	-2	-1.0	0.8
NEDD026	62600	M	0.0	-3	13	-1.0	0.4
NEDD027	45000	0.1	1.8	40	6	3.2	0.3
NEDD028	47100	M	-0.3	-5	7	-1.0	0.5
NEDD029	49200	1.2	-0.9	48	7	2.8	0.4
NEDD030	37400	M	-0.5	27	4	-1.0	0.3
NEDD031	54200	0.2	-0.4	-5	8	6.0	0.3
NEDD032	47300	0.5	-0.2	50	9	2.4	0.3
NEDD033	40300	9.5	-1.0	201	22	4.5	1.1
NEDD034	52200	0.3	-0.2	30	5	-1.0	M
NEDD035	48500	0.3	-1.0	35	5	-1.0	0.2
NEDD036	52200	0.4	-0.7	38	7	4.4	0.4
NEDD037	22100	1.7	-0.7	33	5	2.6	0.4
NEDD038	60200	M	3.6	51	8	5.5	M
NEDD039	51400	1.0	-0.4	84	12	4.6	0.6
NEDD040	49100	1.3	-0.9	68	11	5.1	0.7
NEDD041	53600	M	1.2	-5	8	-1.0	0.5
NEDD042	50200	0.6	2.5	75	12	4.7	0.8
NEDD043	46800	0.7	1.7	65	10	2.1	0.5

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

64

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEDD044	39700	0.2	-0.5	-5	12	-1.0	M
NEDD045	30400	0.6	-0.1	37	4	-1.0	0.5
NEDD046	50000	0.1	1.4	-3	18	-1.0	0.4
NEDD047	69100	2.1	0.0	-5	9	-1.0	0.6
NEDD048	50500	0.5	-0.7	35	5	-1.0	0.2
NEDD049	46500	0.6	3.8	47	7	3.7	0.4
NEDD050	50700	M	3.2	-4	8	-1.0	M
NEDD051	51100	M	1.5	42	8	3.6	0.4
NEDD052	51200	0.6	4.8	-5	8	-1.0	M
NEDD053	49200	M	-0.4	-5	15	-1.0	0.7
NEDD054	48000	M	-1.0	41	6	2.5	0.2
NEDD055	45800	1.2	1.9	-5	6	-1.0	M
NEDD056	-500	7.8	1.8	-3	7	5.0	0.8
NEDD057	54900	1.6	-0.8	42	7	2.3	0.6
NEDD058	52000	0.2	-0.8	43	6	2.6	0.4
NEDD059	52500	0.5	-1.0	51	8	-1.0	0.4
NEDD060	89500	M	2.0	60	13	12.3	M
NEDD061	51200	M	2.2	42	6	4.4	0.4
NEDD062	50600	0.5	3.6	33	5	-1.0	M
NEDE001	49400	M	1.2	50	12	4.7	0.7
NEDE002	68000	0.6	2.4	64	13	3.8	1.1
NEDE003	60300	M	-0.7	46	7	3.1	0.5
NEDE004	59600	M	2.1	72	13	5.4	1.0
NEDE005	47500	M	2.0	52	8	2.9	0.5
NEDE006	47100	M	-0.5	51	8	-1.0	0.4
NEDE007	47000	1.7	-0.2	63	12	5.7	0.8
NEDE008	-500	M	-0.8	0	-2	-1.0	M
NEDE009	46800	M	2.1	44	8	4.7	0.4
NEDE010	44700	0.6	-1.0	27	5	-1.0	0.6
NEDE011	48400	M	-0.1	-5	8	-1.0	0.5
NEDE012	53700	M	1.4	32	6	1.9	0.3
NEDE013	52800	M	-0.5	28	5	4.8	0.3
NEDE014	42800	0.2	-0.4	18	4	3.0	0.2
NEDE015	37600	0.8	2.9	-5	10	11.5	1.4
NEDE016	30700	1.3	-0.6	32	5	3.9	0.4
NEDE017	29800	2.0	-1.0	93	15	14.9	0.9
NEDE018	44400	M	-0.5	40	5	-1.0	0.7
NEDE019	32800	M	-1.0	30	7	2.5	M
NEDE020	47300	0.4	5.9	37	7	-1.0	0.6
NEDE021	46100	7.3	-0.7	51	9	4.4	0.3
NEDE022	47100	0.3	-0.1	33	6	2.0	0.3
NEDE023	48600	M	1.1	21	4	2.1	0.2
NEDE024	28000	5.6	-0.4	41	7	5.9	0.4
NEDE025	28000	M	0.0	28	6	1.5	0.4
NEDE026	43200	5.6	1.3	48	9	3.9	0.6
NEDE027	43800	4.0	2.3	73	32	14.3	1.4
NEDE028	46100	1.7	-0.6	41	9	4.1	0.6
NEDE029	42700	2.4	-0.1	35	5	2.6	0.6
NEDE030	54900	M	1.7	45	9	4.9	0.8
NEDE031	48800	0.7	0.0	19	4	-1.0	0.2



TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

65

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEDE032	47900	1.8	-0.4	41	9	4.3	0.4
NEDE033	47100	M	-0.4	28	7	-1.0	0.3
NEDE034	35900	1.1	2.8	78	15	7.6	1.0
NEDE035	48600	4.8	-0.1	39	8	2.8	0.4
NEDE036	48200	M	-0.4	-5	16	-1.0	0.4
NEDE037	39200	4.3	-0.1	38	7	5.1	0.5
NEDE038	43200	1.3	-0.7	43	11	3.8	0.7
NEDE039	27400	1.3	-0.4	16	4	-1.0	0.3
NEDE040	46500	0.8	1.2	42	8	5.0	0.5
NEDE041	46000	2.0	-0.4	46	10	9.3	0.7
NEDE042	47900	M	0.9	33	7	4.4	0.6
NEDE043	47600	2.2	-0.3	23	6	2.4	0.3
NEDE044	48200	M	-0.3	61	15	9.1	0.9
NEDE045	45900	M	1.4	41	9	5.7	0.7
NEDE046	54500	M	2.0	42	7	-1.0	0.6
NEDE047	43300	1.1	-0.1	53	13	9.1	0.8
NEDE048	41700	7.1	3.1	69	15	9.4	1.2
NEDE049	49100	1.9	4.8	97	18	13.1	2.0
NEDE050	48500	0.4	-0.9	44	8	2.8	0.5
NEDE051	41200	6.7	-0.2	27	5	2.4	0.3
NEDE052	36800	1.6	1.0	53	11	7.5	0.8
NEDE053	46300	13.3	-0.3	33	5	-1.0	0.4
NEDE054	46600	M	2.6	55	11	5.1	1.3
NEDE055	49900	4.1	-0.5	39	12	3.2	0.5
NEDE056	48600	1.0	-0.3	266	7	-1.0	0.8
NEDE057	44100	1.3	0.7	27	5	3.3	0.3
NEDE058	44900	2.2	1.5	53	9	6.8	1.0
NEDE059	40700	1.0	0.0	26	4	2.1	0.3
NEDE060	-500	M	0.0	0	-2	-1.0	M
NEDE061	44100	3.8	-0.4	35	9	3.7	0.7
NEDE062	45400	1.3	-0.7	61	12	10.2	1.3
NEDE063	41200	1.2	-0.6	42	7	4.5	0.8
NEDE064	42500	1.0	1.6	43	8	7.1	0.8
NEDE065	48400	0.6	-0.5	39	15	-1.0	M
NEDE066	-500	M	-0.1	0	-2	-1.0	M
NEDE067	43300	0.8	1.8	36	6	6.3	0.7
NEDE068	44400	0.9	-0.1	-5	18	-1.0	0.5
NEDE069	42500	0.6	0.9	44	8	6.7	0.9
NEDF001	32400	0.1	-0.2	19	4	-1.0	0.3
NEDF002	37100	0.4	-0.1	42	8	8.4	0.4
NEDF003	42400	0.9	0.0	21	4	-1.0	0.3
NEDF004	33800	M	-1.0	-5	-2	M	M
NEDF005	-500	M	-0.4	0	-2	-1.0	M
NEDF006	44100	0.4	-1.0	-5	-2	M	M
NEDF007	22900	5.1	-0.5	29	6	2.6	0.4
NEDF008	-500	M	-1.0	-5	-2	M	M
NEDF009	39400	0.8	-1.0	-5	10	M	M
NEDF010	34300	M	-0.3	15	3	1.7	0.2
NEDF011	-500	M	0.0	0	-2	-1.0	M
NEDF012	38600	0.5	0.0	20	3	-1.0	0.3

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEDF013	39100	2.6	1.3	30	5	3.5	0.3
NEDF014	-500	M	-0.2	0	-2	-1.0	M
NEDF015	43100	0.5	0.9	21	3	2.7	0.2
NEDF016	39100	0.3	4.3	37	4	-1.0	M
NEDF017	42100	0.2	-0.1	21	5	3.9	0.3
NEDF018	42600	9.5	1.0	29	11	1.9	0.4
NEDF019	-500	M	-0.6	0	-2	-1.0	M
NEDF020	46400	6.2	-0.1	37	11	3.9	0.6
NEDF021	25700	1.4	1.3	34	8	4.2	0.6
NEDF022	32300	1.1	1.8	28	7	-1.0	0.4
NEDF023	52000	M	-0.5	-5	9	-1.0	0.4
NEDF024	41700	0.6	1.8	23	3	-1.0	0.3
NEDF025	29600	2.1	-0.2	22	4	2.2	0.2
NEDF026	44500	0.2	2.4	43	7	5.0	0.4
NEDF027	39700	M	-1.0	-5	-2	M	M
NEDF028	41400	0.4	1.4	27	4	3.6	0.4
NEDF029	42100	0.3	1.2	37	6	-1.0	0.5
NEDF030	43200	0.9	0.0	21	6	-1.0	0.3
NEDF031	43500	2.2	1.1	26	7	4.2	0.3
NEDF032	49000	0.7	-0.3	35	15	8.9	0.6
NEDF033	50400	M	1.4	46	9	9.5	0.7
NEDF034	46000	M	-0.1	26	5	-1.0	0.4
NEDF035	33600	5.0	2.1	35	7	3.0	0.2
NEDF036	48800	M	-0.1	59	17	4.2	0.9
NEDF037	43300	1.0	1.3	33	6	3.3	0.6
NEDF038	34900	0.8	1.3	34	6	4.1	0.5
NEDF039	37800	0.5	1.8	54	9	5.8	1.0
NEDF040	25100	5.4	1.8	39	7	3.7	0.6
NEDF041	47400	0.6	3.9	45	7	-1.0	0.5
NEDF042	45100	M	1.0	25	8	2.2	0.2
NEDF043	37400	M	0.7	25	4	-1.0	0.4
NEDF044	38400	0.7	-0.3	25	5	3.1	0.4
NEDF045	29000	1.1	1.0	38	10	4.8	0.7
NEDF046	42100	1.1	-0.4	35	6	10.0	0.6
NEDF047	-500	M	-1.0	-5	M	M	M
NEDF048	49500	M	0.0	50	9	5.0	0.6
NEDF049	50300	2.7	4.2	33	15	7.4	0.6
NEDF050	47600	1.1	-0.4	39	8	4.3	0.6
NEDF051	51000	7.3	-0.9	21	4	-1.0	0.4
NEDF052	44600	8.7	0.0	29	7	-1.0	0.4
NEDF053	47700	8.8	1.5	39	9	8.7	0.8
NEDF054	50500	1.7	1.7	45	10	5.2	0.8
NEDF055	33900	0.5	2.2	29	6	4.5	0.3
NEDF056	40900	3.5	2.4	57	13	9.5	1.1
NEDF057	51300	M	-0.1	30	10	3.3	0.4
NEDF058	36300	4.8	-1.0	42	12	-1.0	0.4
NEDF059	44200	11.3	2.7	73	15	-1.0	1.1
NEDF060	40300	1.9	1.8	57	11	5.9	0.7
NEDF061	40700	0.9	4.0	43	8	5.8	0.6
NEDF062	37100	1.8	2.2	89	16	7.8	1.6

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEDF063	27400	15.2	2.0	34	8	-1.0	0.3
NEDF064	41600	1.6	-0.1	55	12	7.1	1.1
NEDG001	40400	2.1	-0.5	20	3	-1.0	0.3
NEDG002	45900	1.0	1.7	27	11	-1.0	0.6
NEDG003	43000	1.3	0.0	31	9	2.5	0.3
NEDG004	38000	M	-0.8	34	20	-1.0	M
NEDG005	42900	0.3	1.7	27	5	6.2	0.5
NEDG006	43900	M	-0.1	54	17	7.8	0.8
NEDG007	46100	0.4	0.0	24	4	-1.0	0.2
NEDG008	40000	0.6	-0.4	33	5	5.7	0.4
NEDG009	43300	0.2	-0.5	26	5	3.7	0.4
NEDG010	42300	6.2	4.3	34	5	-1.0	M
NEDG011	52000	M	0.8	38	6	2.2	M
NEDG012	26800	M	0.9	24	4	-1.0	M
NEDG013	41000	M	1.1	26	7	-1.0	0.4
NEDG014	44600	0.1	-0.8	22	3	-1.0	M
NEDG015	35800	1.0	-0.4	64	10	-1.0	0.5
NEDG016	34500	M	-0.1	35	6	-1.0	0.4
NEDG017	36100	0.5	2.3	17	3	-1.0	M
NEDG018	-500	M	-0.1	0	-2	-1.0	M
NEDG019	39800	0.4	-0.4	26	6	-1.0	0.3
NEDG020	45700	0.5	-0.3	25	3	3.1	M
NEDG021	29200	0.3	-0.1	31	7	-1.0	0.4
NEDG022	21100	0.6	-0.5	25	4	3.3	0.3
NEDG023	40800	0.4	-0.3	75	4	-1.0	M
NEDH001	41600	0.3	-0.5	32	5	-1.0	0.4
NEDH002	19400	1.2	-0.6	20	3	1.5	0.2
NEDH003	25400	1.4	-0.2	52	8	-1.0	0.5
NEDH004	34100	M	1.7	-5	-2	-1.0	M
NEDH005	35500	M	-0.5	28	5	2.5	0.4
NEDH006	39500	2.4	-0.6	31	5	2.0	0.4
NEDH007	33600	0.6	-0.2	-4	7	-1.0	0.4
NEDH008	40200	0.7	-0.5	44	7	6.1	0.5
NEDH009	43300	0.9	-0.4	83	10	3.8	0.6
NEDH010	38600	0.5	2.6	-5	5	-1.0	0.4
NEDH011	29000	0.5	-0.5	21	5	3.2	0.2
NEDH012	39100	0.3	-0.8	28	5	1.6	0.4
NEDH013	45500	M	1.3	-5	8	-1.0	M
NEDH014	40700	0.3	-1.0	29	5	-1.0	0.3
NEDH015	39500	0.2	-0.3	-5	-2	-1.0	M
NEDH016	41300	0.5	2.6	21	3	-1.0	M
NEDH017	25600	0.4	-0.9	32	7	3.1	0.3
NEDH018	-500	M	-0.1	0	-2	-1.0	M
NEDH019	23800	M	-0.5	22	4	1.8	0.1
NEDH020	48100	0.3	-1.0	39	6	2.5	0.3
NEDH021	37900	2.8	2.3	907	11	6.5	0.7
NEDH022	36000	0.6	-0.9	20	4	-1.0	0.2
NEDH023	37800	0.4	-0.4	12	3	-1.0	M
NEDH024	47800	M	-0.2	-5	16	-1.0	1.1
NEDH025	23300	M	-0.4	-5	-2	-1.0	M

TABLE B-2 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----  
 THE FOLLOWING ELEMENTAL CONCENTRATIONS ARE IN PPM

NEEDLES 1 X 2 DEGREE SHEET

68

SRL I.D.	AL	DY	EU	LA	SM	YB	LU
NEDH026	41600	M	-1.0	45	10	4.6	0.4
NEDH027	55200	1.6	1.2	-5	8	4.4	0.5
NEDH028	37000	0.6	1.6	34	7	2.7	0.4
NEDH029	43100	1.4	-0.8	37	5	3.0	0.3
NEDH030	32500	M	-0.3	-5	8	-1.0	M
NEDH031	34600	0.5	-0.1	39	6	3.0	0.4
NEDH032	24200	0.7	-0.1	18	4	-1.0	0.2
NEDH033	25300	M	-0.1	16	2	-1.0	M
NEDH034	23700	M	2.4	27	3	-1.0	M
NEDH035	32400	M	-0.5	-5	2	-1.0	-0.1
NEDH036	35300	2.9	0.0	27	-2	-1.0	M
NEDH037	27800	0.7	-0.6	26	5	2.8	0.3
NEDH038	31200	1.1	-0.9	25	5	2.7	0.2
NEDH039	32500	4.5	5.2	30	15	-1.0	0.6
NEDH040	28300	0.4	-1.0	24	3	1.6	0.2
NEDH041	24800	0.3	1.2	35	5	2.3	0.2
NEDH042	26900	M	-0.1	-5	3	-1.0	M
NEDH043	29900	0.9	-0.7	38	6	-1.0	0.3
NEDH044	40100	M	0.0	30	8	2.3	0.3
NEDH045	34200	4.0	-0.4	-5	14	-1.0	M
NEDH046	25300	0.4	-0.6	23	4	2.5	0.2
NEDH047	26700	0.3	-0.1	19	3	2.1	0.2

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

69

SRL I.D.	S A M P L E	R O C K T Y P E	S E D S I Z E	S T R W I D T H	S T R D E P T H	S T R F L O W	S T R L E V E L	V E G E T Y P E	V E G D E N S	R E L I E F	C O M P O S I T	C O N T A M I N T S	C O N T A M I N T S	C O N T A M I N T S	C O N T A M I N T S	F R A M E T I C U L E	O R I G I N	W A T E R T E M P	SAMPDATE	TEAM
NEAA001	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA002	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA003	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA004	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA005	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA006	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA007	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA008	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA009	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA010	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA011	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA012	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA013	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA014	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA015	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA016	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA017	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA018	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA019	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA020	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA021	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA022	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA023	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	091
NEAA024	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA025	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA026	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA027	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA028	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA029	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA030	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA031	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA032	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA033	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA034	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA035	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA036	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA037	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA038	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA039	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA040	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA041	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA042	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA043	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA044	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA045	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA046	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA047	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA048	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA049	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091
NEAA050	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I. D.	S A M P L E	R O C K T Y P E	S E D S I Z E	S T R U C T U R E	S T R U C T U R E	S T R U C T U R E	S T R U C T U R E	V E G E T A T I O N	V E G E T A T I O N	R E L I E F	C O M P O S I T	C O N T A M I N	C O N T A M I N	C O N T A M I N	C O N T A M I N	F R A M E W O R K	O D O R	W A T E R	SAMPDATE	TEAM	
NEAA051	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	091	
NEAB001	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	044	
NEAB002	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	092	
NEAB003	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	092	
NEAB004	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	092	
NEAB005	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	092	
NEAB006	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	092	
NEAB007	07	*	2	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	092	
NEAB008	07	4	2	1	1	1	1	3	2	2	10	.	.	.	2	UNKN	.	M	3/12/80	092	
NEAB009	07	4	3	1	1	1	1	3	2	2	10	.	.	.	2	UNKN	.	M	3/12/80	092	
NEAB010	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	092	
NEAB011	07	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	3/12/80	092	
NEAB012	07	4	3	1	1	1	1	3	2	2	10	.	.	.	5	UNKN	.	M	3/12/80	092	
NEAB013	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	092	
NEAB014	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	092	
NEAB015	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	092	
NEAB016	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	092	
NEAB017	06	*	3	1	1	1	1	3	2	2	10	.	.	.	5	QTRN	.	M	3/13/80	092	
NEAB018	07	4	3	1	1	1	1	3	2	1	10	.	.	.	2	UNKN	.	M	3/13/80	092	
NEAB019	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	092	
NEAB020	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/13/80	092	
NEAB021	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	092	
NEAB022	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	092	
NEAB023	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	092	
NEAB024	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	092	
NEAB025	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	092	
NEAB026	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	092	
NEAB027	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/13/80	092	
NEAB028	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/13/80	092	
NEAB029	07	4	2	1	1	1	1	3	1	4	10	.	.	.	2	UNKN	.	M	3/13/80	092	
NEAB030	07	4	1	1	1	1	1	3	2	3	10	.	.	.	2	UNKN	.	M	3/13/80	092	
NEAB031	07	4	2	1	1	1	1	3	2	3	10	.	.	.	2	UNKN	.	M	3/13/80	092	
NEAB032	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	092	
NEAB033	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	092	
NEAB034	06	4	2	1	1	1	1	3	2	2	10	.	.	.	2	UNKN	.	M	3/14/80	092	
NEAB035	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	092	
NEAB036	07	*	3	1	1	1	1	3	1	1	10	.	.	.	6	QTRN	.	M	3/14/80	092	
NEAB037	08	4	2	1	1	1	1	3	2	3	10	.	.	.	5	UNKN	.	M	3/14/80	092	
NEAB038	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/14/80	092	
NEAB039	07	4	3	1	1	1	1	3	2	2	10	.	.	.	2	UNKN	.	M	3/14/80	092	
NEAB040	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/14/80	092	
NEAB041	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/14/80	092	
NEAB042	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	092	
NEAB043	06	*	2	1	1	1	1	3	1	3	10	.	.	.	5	QTRN	.	M	3/14/80	081	
NEAB044	06	*	2	1	1	1	1	3	1	3	10	.	.	.	8	5	QTRN	.	M	3/14/80	081
NEAB045	06	*	3	1	1	1	1	3	1	3	10	.	.	.	5	8	QTRN	.	M	3/14/80	081
NEAB046	06	*	3	1	1	1	1	3	1	2	10	.	.	.	5	8	QTRN	.	M	3/14/80	081
NEAB047	06	*	3	1	1	1	1	3	1	3	10	.	.	.	5	8	QTRN	.	M	3/14/80	081
NEAB048	07	*	3	1	1	1	1	3	1	1	10	.	.	.	5	8	QTRN	.	M	3/14/80	081
NEAB049	06	*	3	1	1	1	1	3	1	3	10	.	.	.	8	5	QTRN	.	M	3/14/80	081

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S A M P L E	R O C K T Y P E	S E D I M E N T	S T R I D E P T	S T R I D E P T	S T R I D E P T	S T R I D E P T	V E G E T A T I O N	V E G E T A T I O N	R E L I E F	C O M P O S I T	C O N T A M E N T	C O N T A M E N T	C O N T A M E N T	C O N T A M E N T	F R A M E W O R K	O R I G I N A L	W A T E R	SAMPDATE	TEAM
NEAB050	06	*	3	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	3/14/80	081
NEAB051	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/14/80	081
NEAC001	07	*	2	1	1	1	1	3	2	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC002	06	*	3	1	1	1	1	3	2	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC003	06	*	2	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC004	06	*	2	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC005	06	*	2	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC006	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC007	06	*	3	1	1	1	1	3	2	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC008	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC009	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC010	07	*	3	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC011	07	*	2	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC012	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC013	07	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC014	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC015	06	*	2	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC016	07	*	3	1	1	1	1	3	2	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC017	06	*	2	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC018	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC019	06	*	3	1	1	1	1	3	2	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC020	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC021	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC022	06	*	3	1	1	1	1	3	2	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC023	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC024	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	091
NEAC025	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC026	06	*	3	1	1	1	1	3	1	3	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC027	07	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC028	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC029	06	*	2	1	1	1	1	3	2	3	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC030	06	*	2	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC031	06	*	3	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC032	06	*	2	1	1	1	1	3	2	2	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC033	06	*	3	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC034	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC035	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC036	07	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/12/80	081
NEAC037	06	*	3	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC038	06	*	3	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC039	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC040	07	*	3	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC041	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC042	07	*	3	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC043	07	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC044	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC045	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC046	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC047	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC048	07	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/13/80	081

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S A M P L E	R O C K T Y P E	S E D S I Z E	S T R U C T U R E	S T R U C T U R E	S T R U C T U R E	S T R U C T U R E	V E G E T A T I O N	V E G E T A T I O N	R E L I E F	C O M P O S I T	C O N T A M I N T	C O N T A M I N T	C O N T A M I N T	C O N T A M I N T	F R A C T I O N	O D O R	W A T E R T E M P	SAMPDATE	TEAM
NEAC049	06	*	3	1	1	1	1	3	1	1	10	.	.	.	8	QTRN	.	M	3/13/80	081
NEAC050	06	*	3	1	1	1	1	3	1	1	10	.	.	.	8	QTRN	.	M	3/13/80	081
NEAC051	06	*	3	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	3/13/80	081
NEAC052	07	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC053	06	*	3	1	1	1	1	3	1	3	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC054	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC055	06	*	2	1	1	1	1	3	1	3	10	.	.	5	8	QTRN	.	M	3/13/80	081
NEAC056	07	*	3	1	1	1	1	3	1	1	10	.	.	.	8	QTRN	.	M	3/13/80	081
NEAC057	07	*	3	1	1	1	1	3	1	1	10	.	.	.	8	QTRN	.	M	3/13/80	081
NEAC058	06	*	2	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/14/80	081
NEAD001	07	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD002	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD003	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD004	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD005	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD006	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD007	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD008	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD009	07	*	3	1	1	1	1	3	2	3	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD010	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD011	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD012	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD013	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD014	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD015	07	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD016	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/23/80	016
NEAD017	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD018	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD019	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD020	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD021	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/23/80	016
NEAD022	07	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD023	07	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD024	07	*	3	1	1	1	1	3	1	3	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD025	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD026	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD027	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD028	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD029	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD030	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD031	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD032	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD033	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD034	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD035	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/24/80	016
NEAD036	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/25/80	016
NEAD037	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/25/80	016
NEAD038	07	5	3	1	1	1	1	3	2	3	10	.	.	8	5	UNKN	.	M	2/25/80	016
NEAD039	07	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/25/80	016
NEAD040	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/25/80	016



TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S A M P L E	R O C K T Y P E	S E D S I Z E	S T R I D E T H	S T R I D E P T H	S T R I D E L O W	S T R I D E V E L	V E G E T T Y P E	V E G E T D E N S I T Y	R E L I E F I V E	C O M P O S I T I O N	C O N T A M I N E N T	C O N T A M I N E N T	C O N T A M I N E N T	C O N T A M I N E N T	F R A C T I O N	O D O R	H A T T E M P	SAMPDATE	TEAM
NEAD041	07	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	2/25/80	016
NEAD042	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/25/80	016
NEAD043	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/25/80	016
NEAD044	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/25/80	016
NEAD045	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/25/80	016
NEAD046	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/25/80	016
NEAD047	07	3	3	1	1	1	1	3	2	2	10	.	.	.	8	UNKN	.	M	2/25/80	016
NEAD048	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/25/80	016
NEAD049	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/25/80	016
NEAD050	06	4	3	1	1	1	1	3	2	2	10	.	.	.	2	UNKN	.	M	2/25/80	016
NEAD051	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/28/80	016
NEAD052	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/28/80	016
NEAE001	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE002	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE003	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE004	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE005	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE006	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE007	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE008	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE009	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE010	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE011	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE012	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE013	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE014	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE015	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE016	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE017	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE018	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE019	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	016
NEAE020	07	7	3	1	1	1	1	3	2	1	10	.	.	.	2	UNKN	.	M	2/20/80	016
NEAE021	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/21/80	016
NEAE022	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/21/80	016
NEAE023	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/21/80	016
NEAE024	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/21/80	016
NEAE025	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/21/80	016
NEAE026	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/21/80	016
NEAE027	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/21/80	016
NEAE028	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/21/80	016
NEAE029	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/21/80	016
NEAE030	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/21/80	016
NEAE031	07	5	3	1	1	1	1	3	2	3	10	.	.	.	2	UNKN	.	M	2/21/80	016
NEAE032	06	5	3	1	1	1	1	3	2	3	10	.	.	.	2	UNKN	.	M	2/21/80	016
NEAE033	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/21/80	016
NEAE034	06	6	3	1	1	1	1	3	2	2	10	.	.	.	2	UNKN	.	M	2/21/80	016
NEAE035	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/21/80	016
NEAE036	06	*	3	1	1	1	1	3	1	3	10	.	.	.	2	QTRN	.	M	2/22/80	016
NEAE037	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/22/80	016
NEAE038	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/22/80	016

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I. D.	S	R	S	S	S	S	S	V	V	R	C	C	C	C	F	O	W	SAMPDATE	TEAM	
*****	A	O	E	T	T	T	T	E	E	E	O	C	O	O	R	D	A			
*****	M	C	D	R	R	R	R	G	G	L	M	O	N	N	M	O	T			
*****	P	K	S	W	D	D	D	T	D	I	P	A	A	A	A	R	R			
*****	T	T	I	I	E	E	E	Y	Y	E	O	T	T	T	T	O	T			
*****	Y	Y	Z	I	T	T	T	P	P	P	S	A	A	A	I	R	E			
*****	P	P	E	D	H	H	H	E	E	E	I	M	M	M	O	T	M			
*****	E	E	H	H	H	H	H	L	L	L	T	1	2	3	4	N	P			
NEAE039	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	2	QTRN	M	2/22/80	016
NEAE040	06	*	3	1	1	1	1	3	1	2	10	.	.	.	2	2	QTRN	M	2/22/80	016
NEAE041	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/22/80	016
NEAE042	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/22/80	016
NEAE043	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/22/80	016
NEAE044	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/22/80	016
NEAE045	01	4	3	1	1	1	1	3	1	1	10	.	.	.	5	5	UNKN	M	2/22/80	016
NEAE046	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/22/80	016
NEAE047	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/22/80	016
NEAE048	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/22/80	016
NEAE049	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/22/80	016
NEAE050	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/22/80	016
NEAE051	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/23/80	016
NEAF001	07	*	3	1	1	1	1	6	2	1	10	.	.	.	6	6	QTRN	M	2/20/80	071
NEAF002	07	*	3	1	1	1	1	1	2	1	10	.	.	.	7	7	QTRN	M	2/20/80	071
NEAF003	06	*	3	1	1	1	1	3	2	1	10	.	.	.	7	7	QTRN	M	2/20/80	071
NEAF004	06	*	3	1	1	1	1	3	2	2	10	.	.	.	7	7	QTRN	M	2/20/80	071
NEAF005	07	*	3	1	1	1	1	3	2	2	10	.	.	.	8	8	QTRN	M	2/20/80	071
NEAF006	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	2	QTRN	M	2/20/80	071
NEAF007	06	*	3	1	1	1	1	3	2	2	10	.	.	.	6	6	QTRN	M	2/20/80	071
NEAF008	07	*	3	1	1	1	1	3	2	1	10	.	.	.	6	6	QTRN	M	2/20/80	071
NEAF009	07	*	3	1	1	1	1	6	3	1	10	.	.	.	9	9	QTRN	M	2/20/80	071
NEAF010	07	*	3	1	1	1	1	3	2	1	10	.	.	.	7	7	QTRN	M	2/20/80	071
NEAF011	07	*	3	1	1	1	1	3	2	1	10	.	.	.	7	7	QTRN	M	2/20/80	071
NEAF012	07	*	3	1	1	1	1	3	2	1	10	.	.	.	7	7	QTRN	M	2/20/80	071
NEAF013	06	*	3	1	1	1	1	3	2	1	10	.	.	.	6	6	QTRN	M	2/21/80	071
NEAF014	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/21/80	071
NEAF015	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/21/80	071
NEAF016	06	*	3	1	1	1	1	3	2	1	10	.	.	.	6	6	QTRN	M	2/21/80	071
NEAF017	06	3	3	1	1	1	1	3	2	1	10	.	.	.	6	6	TRTR	M	2/21/80	071
NEAF018	06	3	3	1	1	1	1	3	1	1	10	.	.	.	2	2	TRTR	M	2/21/80	071
NEAF019	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/21/80	071
NEAF020	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/21/80	071
NEAF021	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/21/80	071
NEAF022	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/21/80	071
NEAF023	06	3	3	1	1	1	1	3	2	4	10	.	.	.	6	6	TRTR	M	2/22/80	071
NEAF024	06	3	3	1	1	1	1	3	2	4	10	.	.	.	2	2	TRTR	M	2/22/80	071
NEAF025	06	3	3	1	1	1	1	3	2	4	10	.	.	.	2	2	TRTR	M	2/22/80	071
NEAF026	06	3	3	1	1	1	1	3	2	3	10	.	.	.	6	6	TRTR	M	2/22/80	071
NEAF027	06	*	3	1	1	1	1	3	2	2	10	.	.	.	6	6	QTRN	M	2/22/80	071
NEAF028	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	2	QTRN	M	2/22/80	071
NEAF029	06	5	3	1	1	1	1	3	2	4	10	.	.	.	2	2	PRCM	M	2/22/80	071
NEAF030	06	5	3	1	1	1	1	3	1	4	10	.	.	.	2	2	PRCM	M	2/22/80	071
NEAF031	06	*	3	1	1	1	1	3	1	1	10	.	.	.	6	6	QTRN	M	2/22/80	071
NEAF032	06	*	3	1	1	1	1	3	2	2	10	.	.	.	6	6	QTRN	M	2/22/80	071
NEAF033	06	5	3	1	1	1	1	3	2	2	10	.	.	.	2	2	PRCM	M	2/22/80	071
NEAF034	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	2	QTRN	M	2/22/80	071
NEAF035	06	*	3	1	1	1	1	3	2	1	10	.	.	.	8	6	QTRN	M	2/23/80	071
NEAF036	06	*	3	1	1	1	1	3	2	1	10	.	.	.	8	7	QTRN	M	2/23/80	071
NEAF037	06	*	3	1	1	1	1	3	2	1	10	.	6	8	7	QTRN	M	2/23/80	071	

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S A M P L E	R O C K T Y P E	S E D S I Z E	S T R I D E T H	S T R D E P T H	S T R F L O W	S T R L E V E L	V E G E T Y P E	V E G E T E N S	R E L I E F	C O M P O S I T	C O N T A M I N T	C O N T A M I N T	C O N T A M I N T	C O N T A M I N T	F R A M E I O N	O D O R	W A T E R T E M P	SAMPDATE	TEAM
NEAF038	07	*	3	1	1	1	1	4	2	1	10	.	.	8	7	QTRN	.	M	2/23/80	071
NEAF039	06	*	3	1	1	1	1	3	2	1	10	.	.	8	7	QTRN	.	M	2/23/80	071
NEAF040	06	3	3	1	1	1	1	3	2	3	10	.	.	.	2	TRTR	.	M	2/23/80	071
NEAF041	06	*	3	1	1	1	1	3	2	1	10	.	.	8	7	QTRN	.	M	2/23/80	071
NEAF042	07	*	3	1	1	1	1	4	2	1	10	.	.	8	7	QTRN	.	M	2/23/80	071
NEAF043	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/23/80	071
NEAF044	07	*	3	1	1	1	1	3	2	1	10	.	.	.	7	QTRN	.	M	2/24/80	071
NEAF045	07	*	3	1	1	1	1	3	2	1	10	.	.	.	7	QTRN	.	M	2/24/80	071
NEAF046	07	*	3	1	1	1	1	3	2	1	10	.	.	.	7	QTRN	.	M	2/24/80	071
NEAF047	06	*	3	1	1	1	1	3	2	1	10	.	.	.	7	QTRN	.	M	2/24/80	071
NEAF048	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/24/80	071
NEAF049	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/24/80	071
NEAF050	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/24/80	071
NEAF051	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/24/80	071
NEAF052	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/24/80	071
NEAF053	06	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	2/24/80	071
NEAF054	06	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	2/24/80	071
NEAF055	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/24/80	071
NEAF056	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/24/80	071
NEAF057	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/22/80	071
NEAF058	07	*	3	1	1	1	1	3	2	1	10	.	.	.	7	QTRN	.	M	2/24/80	071
NEAF059	07	*	3	1	1	1	1	3	2	1	10	.	.	.	7	QTRN	.	M	2/24/80	071
NEAG001	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	069
NEAG002	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/20/80	069
NEAG003	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	063
NEAG004	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	069
NEAG005	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/20/80	069
NEAG006	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	069
NEAG007	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/20/80	069
NEAG008	06	*	2	1	1	1	1	3	2	3	10	.	.	.	2	QTRN	.	M	2/20/80	069
NEAG009	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/20/80	069
NEAG010	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/20/80	069
NEAG011	06	*	2	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/20/80	069
NEAG012	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/20/80	069
NEAG013	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/20/80	069
NEAG014	06	3	3	1	1	1	1	3	2	4	10	.	.	.	2	TRTR	.	M	2/21/80	069
NEAG015	06	3	2	1	1	1	1	3	2	1	10	.	.	.	2	TRTR	.	M	2/21/80	069
NEAG016	06	3	2	1	1	1	1	3	2	3	10	.	.	.	2	TRTR	.	M	2/20/80	069
NEAG017	06	3	2	1	1	1	1	3	2	1	10	.	.	.	2	TRTR	.	M	2/21/80	069
NEAG018	06	3	2	1	1	1	1	3	3	4	10	.	.	.	5	TRTR	.	M	2/21/80	069
NEAG019	06	3	2	1	1	1	1	3	2	4	10	.	.	.	2	TRTR	.	M	2/21/80	069
NEAG020	06	3	2	1	1	1	1	3	3	4	10	.	.	.	5	TRTR	.	M	2/21/80	069
NEAG021	06	3	2	1	1	1	1	3	2	4	10	.	.	.	5	TRTR	.	M	2/21/80	069
NEAG022	06	3	2	1	1	1	1	3	2	2	10	.	.	.	5	TRTR	.	M	2/21/80	069
NEAG023	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/21/80	069
NEAG024	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/21/80	069
NEAG025	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/21/80	069
NEAG026	06	*	3	1	1	1	1	3	2	1	10	.	.	.	5	QTRN	.	M	2/21/80	069
NEAG027	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/22/80	069
NEAG028	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/22/80	069

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S	R	S	S	S	S	S	V	V	R	C	C	C	C	C	F	O	W	SAMPDATE	TEAM
	A	O	E	T	T	T	T	E	E	E	O	O	O	O	O	R	D	A		
	M	C	D	R	R	R	R	G	G	L	M	N	N	N	N	M	O	T		
	P	K	S	W	D	F	L	T	D	I	P	A	A	A	A	A	R	R		
	T	T	I	I	I	I	I	Y	E	E	S	M	M	M	M	I		T		
	Y	Y	Z	D	E	O	H	P	N	F	I	N	N	N	N	O		E		
	P	P	E	T	H	H		E	S		T	1	2	3	4		M	P		
NEAG029	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/22/80	069
NEAG030	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/22/80	069
NEAG031	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/22/80	069
NEAG032	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/22/80	069
NEAG033	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/22/80	069
NEAG034	07	*	4	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/22/80	069
NEAG035	06	3	1	1	1	1	1	3	2	2	10	.	.	.	2	TRTR	.	M	2/22/80	069
NEAG036	06	3	3	1	1	1	1	3	3	3	10	.	.	.	5	TRTR	.	M	2/22/80	069
NEAG037	06	3	2	1	1	1	1	3	2	4	10	.	.	.	2	TRTR	.	M	2/22/80	069
NEAG038	07	3	1	1	1	1	1	3	4	4	10	.	.	.	2	TRTR	.	M	2/22/80	069
NEAG039	06	3	2	1	1	1	1	3	2	4	10	.	.	.	2	TRTR	.	M	2/22/80	069
NEAG040	06	3	1	1	1	1	1	3	2	4	10	.	.	.	2	TRTR	.	M	2/22/80	069
NEAG041	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/21/80	069
NEAG042	05	3	3	1	1	1	1	3	2	2	10	.	.	.	2	TRTR	.	M	2/23/80	069
NEAG043	06	3	3	1	1	1	1	3	2	4	10	.	.	.	5	TRTR	.	M	2/23/80	069
NEAG044	06	3	3	1	1	1	1	3	2	4	10	.	.	.	5	TRTR	.	M	2/23/80	069
NEAG045	06	3	3	1	1	1	1	3	2	2	10	.	.	.	2	TRTR	.	M	2/23/80	069
NEAG046	06	3	3	1	1	1	1	3	2	4	10	.	.	.	2	TRTR	.	M	2/23/80	069
NEAG047	06	3	3	1	1	1	1	3	2	3	10	.	.	.	2	TRTR	.	M	2/23/80	069
NEAH001	06	3	3	1	1	1	1	3	2	4	10	.	.	.	2	TRTR	.	M	2/24/80	069
NEAH002	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH003	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH004	06	*	2	1	1	1	1	3	2	3	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH005	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH006	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH007	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH008	07	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH009	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH010	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH011	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH012	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH013	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH014	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH015	06	*	3	1	1	1	1	3	3	4	10	.	.	.	2	QTRN	.	M	2/24/80	069
NEAH016	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/25/80	069
NEAH017	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/25/80	069
NEAH018	06	*	2	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/25/80	069
NEAH019	06	*	3	1	1	1	1	3	3	4	10	.	.	.	2	QTRN	.	M	2/25/80	069
NEAH020	06	*	3	1	1	1	1	3	3	2	10	.	.	.	2	QTRN	.	M	2/25/80	069
NEAH021	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/25/80	069
NEAH022	06	5	3	1	1	1	1	3	3	4	10	.	.	.	2	PRCM	.	M	2/25/80	069
NEAH023	06	5	3	1	1	1	1	3	2	4	10	.	.	.	2	PRCM	.	M	2/25/80	069
NEAH024	06	*	2	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/25/80	069
NEAH025	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/25/80	069
NEAH026	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/25/80	069
NEAH027	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/25/80	069
NEAH028	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/25/80	069
NEAH029	06	5	3	1	1	1	1	3	3	4	10	.	.	.	2	PRCM	.	M	2/27/80	069
NEAH030	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/27/80	069
NEAH031	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/27/80	069

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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	S	R	S	S	S	S	S	V	V	R	C	C	C	C	C	F	O	H		
	A	O	E	T	T	T	T	E	E	E	O	O	O	O	O	R	D	A		
SRL I.D.	M	C	D	R	R	R	R	G	G	L	M	M	M	M	M	A	R	T	SAHPDATE	TEAM
	P	K	S	W	D	F	L	T	D	I	P	N	N	N	N	T		R		
	Y	T	I	I	E	L	E	P	P	F	O	A	A	A	A	I		T		
	P	Y	Z	D	T	O	V	E	E	E	S	M	M	M	M	O		E		
	E	P	E	H	H	W	L	E	S	T	T	1	2	3	4	N		M		
NEAH032	06	*	3	1	1	1	1	3	2	4	10	.	.	.	2	QTRN	.	M	2/27/80	069
NEAH033	06	*	3	1	1	1	1	3	3	3	10	.	.	.	2	QTRN	.	M	2/27/80	069
NEAH034	06	5	3	1	1	1	1	3	3	4	10	.	.	.	2	PRCM	.	M	2/27/80	069
NEAH035	06	5	3	1	1	1	1	3	3	4	10	.	.	.	8	PRCM	.	M	2/27/80	069
NEAH036	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/27/80	069
NEAH037	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/27/80	069
NEAH038	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/27/80	069
NEAH039	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/27/80	069
NEAH040	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/27/80	069
NEAH041	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/27/80	069
NEAH042	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/28/80	069
NEAH043	06	3	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/28/80	069
NEAH044	06	3	2	1	1	1	1	3	4	4	10	.	.	.	2	TRTR	.	M	2/28/80	069
NEAH045	06	3	3	1	1	1	1	3	3	4	10	.	.	.	2	TRTR	.	M	2/28/80	069
NEAH046	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/28/80	069
NEAH047	06	*	3	1	1	1	1	3	3	2	10	.	.	.	2	QTRN	.	M	2/28/80	069
NEAH048	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/28/80	069
NEAH049	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	2/28/80	069
NEAH050	06	*	3	1	1	1	1	3	3	2	10	.	.	.	2	QTRN	.	M	2/28/80	069
NEAH051	06	3	3	1	1	1	1	3	3	4	10	.	.	.	8	TRTR	.	M	2/28/80	069
NEBA001	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	071
NEBA002	07	*	3	1	1	1	1	3	2	1	10	.	.	.	6	QTRN	.	M	3/14/80	071
NEBA003	07	*	3	1	1	1	1	3	2	1	10	.	.	.	6	QTRN	.	M	3/14/80	071
NEBA004	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	071
NEBA005	07	*	3	1	1	1	1	3	2	1	10	.	.	.	6	QTRN	.	M	3/14/80	071
NEBA006	06	*	3	1	1	1	1	3	2	4	10	.	.	.	2	QTRN	.	M	3/14/80	071
NEBA007	06	*	3	1	1	1	1	3	2	4	10	.	.	.	2	QTRN	.	M	3/14/80	071
NEBA008	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	071
NEBA009	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	071
NEBA010	06	5	3	1	1	1	1	3	2	4	10	.	.	.	5	PRCM	.	M	3/14/80	071
NEBA011	06	5	3	1	1	1	1	3	2	4	10	.	.	.	5	PRCM	.	M	3/14/80	071
NEBA012	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	071
NEBA013	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/14/80	071
NEBA014	06	5	3	1	1	1	1	3	2	4	10	.	.	.	2	PRCM	.	M	3/14/80	071
NEBA015	06	5	3	1	1	1	1	3	2	3	10	.	.	.	2	PRCM	.	M	3/14/80	071
NEBA016	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/14/80	071
NEBA017	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/14/80	071
NEBA018	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/14/80	071
NEBA019	06	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	3/14/80	071
NEBA020	07	5	3	1	1	1	1	3	2	2	10	.	.	.	6	PRCM	.	M	3/14/80	071
NEBA021	06	*	3	1	1	1	1	3	2	1	10	.	.	.	6	QTRN	.	M	3/14/80	071
NEBA022	07	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	3/14/80	071
NEBA023	07	*	3	1	1	1	1	3	2	1	10	.	.	.	6	QTRN	.	M	3/14/80	071
NEBA024	07	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	3/14/80	071
NEBA025	06	5	3	1	1	1	1	3	2	3	10	.	.	.	6	PRCM	.	M	3/14/80	071
NEBA026	06	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	3/14/80	071
NEBA027	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/15/80	071
NEBA028	06	*	3	1	1	1	1	3	2	1	10	.	.	.	1	QTRN	.	M	3/15/80	071
NEBA029	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/15/80	071
NEBA030	07	*	3	1	1	1	1	3	2	1	10	.	.	.	6	QTRN	.	M	3/15/80	071

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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S A M P L E	R O C K T Y P E	S E D I M E N T	S T R U C T U R E	S T R U C T U R E	S T R U C T U R E	S T R U C T U R E	V E G E T A T I O N	V E G E T A T I O N	R E L I E F	C O M P O S I T	C O N T A M I N	C O N T A M I N	C O N T A M I N	C O N T A M I N	F R A M E T A M E N T	O D O R	W A T E R T E M P	SAMPDATE	TEAM
NEBA031	07	3	3	1	1	1	1	3	2	3	10	.	.	5	TRTR	.	M	3/15/80	071
NEBA032	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	3/15/80	071
NEBA033	06	*	3	1	1	1	1	3	2	3	10	.	.	2	QTRN	.	M	3/15/80	071
NEBA034	07	*	3	1	1	1	1	3	2	1	10	.	.	6	QTRN	.	M	3/15/80	071
NEBA035	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	3/15/80	071
NEBA036	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	3/15/80	016
NEBA037	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	3/15/80	016
NEBA038	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	3/15/80	016
NEBA039	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	3/15/80	016
NEBA040	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	3/15/80	016
NEBA041	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	3/15/80	016
NEBA042	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	3/15/80	016
NEBA043	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	3/15/80	016
NEBA044	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	3/15/80	016
NEBB001	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB002	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB003	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB004	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB005	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB006	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB007	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB008	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB009	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB010	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB011	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB012	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB013	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB014	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB015	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB016	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB017	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB018	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB019	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB020	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB021	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB022	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB023	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB024	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB025	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB026	06	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB027	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB028	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB029	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB030	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB031	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB032	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB033	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB034	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB035	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093
NEBB036	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/12/80	093

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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	S A M P L E	R O C K T Y P E	S E D I M E N T	S T R I M I D E P T H	S T R I M I D E P T H	S T R I M I D E P T H	S T R I M I D E P T H	V E G E T A T I O N	V E G E T A T I O N	R E L I E F	C O M P O S I T	C O N T A M I N	C O N T A M I N	C O N T A M I N	C O N T A M I N	F R A M E W O R K	O D O R	W A T E R T E M P	SAMPDATE	TEAM
NEBB037	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	093
NEBB038	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	093
NEBB039	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	093
NEBB040	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	093
NEBB041	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	093
NEBB042	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	093
NEBB043	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/12/80	093
NEBB044	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB045	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB046	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB047	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB048	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB049	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB050	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB051	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB052	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB053	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB054	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB055	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB056	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB057	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB058	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB059	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBB060	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	093
NEBC001	06	*	3	1	1	1	1	3	1	1	5	.	.	.	2	QTRN	.	M	3/12/80	001
NEBC002	06	1	3	1	1	1	1	3	1	1	5	.	.	.	2	QTRN	.	M	3/12/80	001
NEBC003	06	1	3	1	1	1	1	3	1	2	5	.	.	.	2	QTRN	.	M	3/12/80	001
NEBC004	06	4	3	1	1	1	1	3	1	2	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC005	06	1	3	1	1	1	1	3	1	2	5	.	.	.	2	QTRN	.	M	3/12/80	001
NEBC006	06	4	3	1	1	1	1	3	1	1	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC007	06	2	2	1	1	1	1	3	1	1	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC008	06	2	3	1	1	1	1	3	1	2	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC009	06	2	3	1	1	1	1	3	1	2	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC010	06	2	2	1	1	1	1	3	1	2	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC011	06	2	3	1	1	1	1	3	1	1	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC012	06	1	3	1	1	1	1	3	1	1	5	.	.	.	2	QTRN	.	M	3/12/80	001
NEBC013	06	4	3	1	1	1	1	3	1	1	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC014	06	4	3	1	1	1	1	3	1	1	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC015	06	4	2	1	1	1	1	3	1	1	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC016	06	4	2	1	1	1	1	3	1	3	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC017	06	4	3	1	1	1	1	3	1	2	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC018	06	4	2	1	1	1	1	3	1	2	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC019	06	4	3	1	1	1	1	3	1	1	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC020	06	4	3	1	1	1	1	3	1	1	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC021	06	4	3	1	1	1	1	3	1	1	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC022	06	4	3	1	1	1	1	3	1	1	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC023	06	4	3	1	1	1	1	3	1	2	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC024	06	4	3	1	1	1	1	3	1	2	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC025	06	4	3	1	1	1	1	3	1	1	5	.	.	.	2	UNKN	.	M	3/12/80	001
NEBC026	07	2	2	1	1	1	1	3	1	2	5	.	.	.	2	UNKN	.	M	3/12/80	001

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	SAMP	DATE	TEAM	S	R	S	S	S	S	V	V	R	C	C	C	C	F	O	H
*****	A			T	O	E	T	T	T	E	E	E	O	O	O	O	R	D	A
*****	M			P	C	D	R	R	R	G	G	L	U	N	N	N	M	O	T
*****	P	Y		T	K	S	I	D	D	T	T	R	T	T	T	T	A	R	R
*****	Y	P		P	T	I	D	E	E	P	P	L	A	A	A	A	T	O	T
*****	P	P		P	T	I	D	E	E	P	P	L	A	A	A	A	T	O	T
*****	E																		
NEBC027	06	4	3	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC028	06	4	3	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC029	06	4	3	1	1	1	1	1	1	3	1	3	5	5	5	2	UNKN	.	M
NEBC030	06	4	3	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC031	06	4	3	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC032	06	4	3	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC033	06	4	3	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC034	06	4	3	1	1	1	1	1	1	3	1	3	5	5	5	2	QTRN	.	M
NEBC035	06	1	3	1	1	1	1	1	1	3	1	1	5	5	5	2	UNKN	.	M
NEBC036	06	2	3	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC037	06	2	3	1	1	1	1	1	1	3	1	3	5	5	5	2	UNKN	.	M
NEBC038	06	2	3	1	1	1	1	1	1	3	1	3	5	5	5	2	UNKN	.	M
NEBC039	06	1	3	1	1	1	1	1	1	3	1	1	5	5	5	2	QTRN	.	M
NEBC040	06	1	3	1	1	1	1	1	1	3	1	1	5	5	5	2	QTRN	.	M
NEBC041	06	1	4	1	1	1	1	1	1	3	1	1	5	5	5	2	QTRN	.	M
NEBC042	06	1	3	1	1	1	1	1	1	3	1	1	5	5	5	2	QTRN	.	M
NEBC043	06	1	3	1	1	1	1	1	1	3	1	1	5	5	5	2	QTRN	.	M
NEBC044	06	2	3	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC045	06	2	3	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC046	06	1	3	1	1	1	1	1	1	3	1	1	5	5	5	2	QTRN	.	M
NEBC047	06	1	3	1	1	1	1	1	1	3	1	1	5	5	5	2	QTRN	.	M
NEBC048	06	1	3	1	1	1	1	1	1	3	1	1	5	5	5	2	QTRN	.	M
NEBC049	06	2	3	1	1	1	1	1	1	3	1	1	5	5	5	2	UNKN	.	M
NEBC050	06	2	3	1	1	1	1	1	1	3	1	1	5	5	5	2	UNKN	.	M
NEBC051	06	2	3	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC052	06	2	3	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC053	06	4	3	1	1	1	1	1	1	3	1	3	5	5	5	2	UNKN	.	M
NEBC054	06	2	4	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC055	06	2	4	1	1	1	1	1	1	3	1	3	5	5	5	2	UNKN	.	M
NEBC056	06	2	3	1	1	1	1	1	1	3	1	2	5	5	5	2	UNKN	.	M
NEBC057	06	2	3	1	1	1	1	1	1	3	1	3	5	5	5	2	UNKN	.	M
NEBC058	06	2	3	1	1	1	1	1	1	3	1	3	5	5	5	2	UNKN	.	M
NEBC059	06	2	3	1	1	1	1	1	1	3	1	3	5	5	5	2	UNKN	.	M
NEBD001	07	.	3	1	1	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M
NEBD002	07	.	3	1	1	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M
NEBD003	07	.	3	1	1	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M
NEBD004	07	.	3	1	1	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M
NEBD005	07	.	3	1	1	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M
NEBD006	07	4	3	1	1	1	1	1	1	3	2	2	10	.	.	8	PRCM	.	M
NEBD007	06	4	3	1	1	1	1	1	1	3	2	4	10	.	.	8	PRCM	.	M
NEBD008	06	.	3	1	1	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M
NEBD009	06	.	3	1	1	1	1	1	1	3	2	2	10	.	.	8	QTRN	.	M
NEBD010	06	.	3	1	1	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M
NEBD011	07	.	3	1	1	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M
NEBD012	07	.	3	1	1	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M
NEBD013	07	.	3	1	1	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M
NEBD014	07	.	3	1	1	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M
NEBD015	07	.	3	1	1	1	1	1	1	3	2	2	10	.	.	8	QTRN	.	M
NEBD016	07	.	3	1	1	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M
NEBD017	07	.	3	1	1	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M



TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S A M P L E	R O C K T Y P E	S E D S I Z E	S T R W I D T H	S T R D E P T H	S T R F L O W	S T R L E V E L	V E G E T Y P E	V E G E T E N S	R E L I E F	C O M P O S I T	C O N T A M I N S	C O N T A M I N S	C O N T A M I N S	C O N T A M I N S	F R A M E T I O N	O D O R	W A T E R T E M P	SAMPDATE	TEAM
NEBD018	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/12/80	071
NEBD019	06	5	3	1	1	1	1	3	2	2	10	.	.	.	8	PRCM	.	M	3/12/80	071
NEBD020	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/12/80	071
NEBD021	07	5	3	1	1	1	1	3	2	2	10	.	.	.	8	PRCM	.	M	3/12/80	071
NEBD022	06	5	3	1	1	1	1	3	3	3	10	.	.	.	8	PRCM	.	M	3/12/80	071
NEBD023	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/12/80	071
NEBD024	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/12/80	071
NEBD025	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/12/80	071
NEBD026	06	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/12/80	071
NEBD027	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/12/80	071
NEBD028	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/12/80	071
NEBD029	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/12/80	071
NEBD030	07	4	3	1	1	1	1	3	2	2	10	.	.	.	8	PRCM	.	M	3/13/80	071
NEBD031	07	4	3	1	1	1	1	3	2	2	10	.	.	.	5	PRCM	.	M	3/13/80	071
NEBD032	06	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBD033	07	4	3	1	1	1	1	3	4	4	10	.	.	.	5	PRCM	.	M	3/13/80	071
NEBD034	07	5	3	1	1	1	1	3	2	3	10	.	.	.	5	PRCM	.	M	3/13/80	071
NEBD035	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBD036	06	4	3	1	1	1	1	3	4	4	10	.	.	.	5	PRCM	.	M	3/13/80	071
NEBD037	06	4	3	1	1	1	1	3	2	2	10	.	.	.	8	PRCM	.	M	3/13/80	071
NEBD038	06	4	3	1	1	1	1	3	4	4	10	.	.	.	8	PRCM	.	M	3/13/80	071
NEBD039	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBD040	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBD041	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBD042	07	*	3	1	1	1	1	3	2	3	10	.	.	.	5	QTRN	.	M	3/13/80	071
NEBD043	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBD044	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBD045	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBD046	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBD047	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBD048	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBD049	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBD050	06	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	3/13/80	071
NEBE001	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/26/80	016
NEBE002	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/26/80	016
NEBE003	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/26/80	016
NEBE004	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/26/80	016
NEBE005	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/26/80	016
NEBE006	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/26/80	016
NEBE007	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/26/80	016
NEBE008	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/26/80	016
NEBE009	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/26/80	016
NEBE010	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/26/80	016
NEBE011	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/26/80	016
NEBE012	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/26/80	016
NEBE013	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/26/80	016
NEBE014	07	*	2	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/26/80	016
NEBE015	07	*	2	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/26/80	016
NEBE016	07	*	2	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/25/80	016
NEBE017	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/26/80	016

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S A M P L E	R O C K T Y P E	S E D S I Z E	S T R U C T U R E	S T R O D E P T	S T R I F L O W	S T R L E V E	V E G E T Y P E	V E G D E N S	R E L I E F	C O M P O S I T	C O N T A M I N	C O N T A M I N	C O N T A M I N	C O N T A M I N	F O R M A T I O N	O D O R	W A T E R T E M P	SAMPDATE	TEAM
NEBE018	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/26/80	016
NEBE019	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/26/80	016
NEBE020	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/26/80	016
NEBE021	07	4	3	1	1	1	1	3	2	1	10	.	.	.	8	UNKN	.	M	2/26/80	016
NEBE022	07	4	3	1	1	1	1	3	2	2	10	.	.	.	2	UNKN	.	M	2/26/80	016
NEBE023	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/26/80	016
NEBE024	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/27/80	016
NEBE025	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/27/80	016
NEBE026	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/27/80	016
NEBE027	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/27/80	016
NEBE028	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/27/80	016
NEBE029	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/27/80	016
NEBE030	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/27/80	016
NEBE031	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/27/80	016
NEBE032	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/27/80	016
NEBE033	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/27/80	016
NEBE034	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/28/80	016
NEBE035	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/28/80	016
NEBE036	07	4	3	1	1	1	1	3	2	1	10	.	.	.	8	UNKN	.	M	2/28/80	016
NEBE037	06	4	3	1	1	1	1	3	2	1	10	.	.	.	8	UNKN	.	M	2/28/80	016
NEBE038	07	4	3	1	1	1	1	3	2	1	10	.	.	.	8	UNKN	.	M	2/28/80	016
NEBE039	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/28/80	016
NEBE040	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/28/80	016
NEBE041	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/28/80	016
NEBE042	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/28/80	016
NEBE043	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/28/80	016
NEBE044	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/29/80	016
NEBE045	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/29/80	016
NEBE046	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/29/80	016
NEBE047	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/29/80	016
NEBE048	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/29/80	016
NEBE049	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/29/80	016
NEBE050	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/29/80	016
NEBE051	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	2/29/80	016
NEBE052	06	2	3	1	1	1	1	3	2	3	10	.	.	.	2	UNKN	.	M	2/29/80	016
NEBF001	06	*	3	1	1	1	1	3	1	1	10	.	.	.	5	QTRN	.	M	2/20/80	080
NEBF002	06	*	3	1	1	1	1	3	1	1	10	.	.	.	5	QTRN	.	M	2/20/80	080
NEBF003	06	*	3	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	.	M	2/20/80	080
NEBF004	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF005	06	*	3	1	1	1	1	3	1	1	10	.	.	.	5	QTRN	.	M	2/20/80	080
NEBF006	06	*	3	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	.	M	2/20/80	080
NEBF007	06	*	3	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	.	M	2/20/80	080
NEBF008	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF009	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF010	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF011	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF012	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF013	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF014	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF015	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S A M P L E	R O C K T Y P E	S E D I M E N T	S T R U C T U R E	S T R O D E P T H	S T R I F L O W	S T R L E V E	V E G E T Y P E	V E G D E N S	R E L I E F	C O M P O S I T	C O N T A M I N T	C O N T A M I N T	C O N T A M I N T	C O N T A M I N T	F R A M E T I O N	O D O R	W A T E R T E M P	SAMPDATE	TEAM
NEBF016	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF017	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF018	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF019	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF020	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/20/80	080
NEBF021	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF022	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF023	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF024	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF025	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF026	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF027	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF028	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF029	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF030	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF031	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF032	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF033	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF034	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF035	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF036	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF037	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF038	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF039	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF040	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF041	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF042	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF043	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/21/80	080
NEBF044	06	*	3	1	1	1	1	3	2	3	10	.	.	.	2	QTRN	.	M	2/29/80	069
NEBF045	06	*	3	1	1	1	1	3	2	3	10	.	.	.	2	QTRN	.	M	2/29/80	069
NEBF046	06	*	3	1	1	1	1	3	2	3	10	.	.	.	2	QTRN	.	M	2/29/80	069
NEBF047	06	*	3	1	1	1	1	3	1	4	10	.	.	.	2	QTRN	.	M	2/29/80	069
NEBF048	06	*	3	1	1	1	1	3	2	4	10	.	.	.	2	QTRN	.	M	2/29/80	069
NEBF049	06	*	3	1	1	1	1	3	2	3	10	.	.	.	2	QTRN	.	M	2/29/80	069
NEBF050	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	2/29/80	069
NEBG001	06	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG002	06	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG003	06	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG004	06	*	3	1	1	1	1	2	2	1	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG005	06	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG006	06	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG007	06	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG008	06	*	3	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG009	06	*	1	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG010	06	*	3	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG011	06	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG012	06	*	3	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG013	06	*	3	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	2/22/80	081
NEBG014	06	*	3	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	2/22/80	081
NEBG015	06	*	3	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	2/22/80	081

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S A M P L E	R O C K T Y P E	S E D S I Z E	S T R W I D T H	S T R D E P T H	S T R F L O W	S T R L E V E L	V E G E T Y P E	V E G E D E N S	R E L I E F	C O M P O S I T	C O N T A M I N	C O N T A M I N 2	C O N T A M I N 3	C O N T A M I N 4	F R A M E T I C U L E	O D O R	H A T T E M P	SAMPDATE	TEAM	
NEBG016	06	*	3	1	1	1	1	3	2	3	10	.	.	5	8	QTRN	.	M	2/22/80	081	
NEBG017	06	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/22/80	081	
NEBG018	06	*	3	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	2/22/80	081	
NEBG019	06	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	2/22/80	081	
NEBG020	06	*	3	1	1	1	1	3	2	2	10	.	.	6	8	QTRN	.	M	2/22/80	081	
NEBG021	06	*	3	1	1	1	1	3	2	2	10	.	.	5	8	QTRN	.	M	2/22/80	081	
NEBG022	06	*	3	1	1	1	1	3	1	3	10	.	.	7	8	QTRN	.	M	2/22/80	081	
NEBG023	06	*	3	1	1	1	1	3	2	2	10	.	.	5	8	QTRN	.	M	2/23/80	081	
NEBG024	06	!	1	1	1	1	1	3	1	3	10	.	.	.	8	QTRN	.	M	2/23/80	081	
NEBG025	06	*	2	1	1	1	1	3	1	3	10	.	.	.	8	QTRN	.	M	2/23/80	081	
NEBG026	06	*	2	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	2/23/80	081	
NEBG027	06	*	2	1	1	1	1	3	1	1	10	.	.	.	8	QTRN	.	M	2/23/80	081	
NEBG028	06	*	2	1	1	1	1	3	1	1	10	.	.	.	8	QTRN	.	M	2/23/80	081	
NEBG029	06	!	3	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	2/24/80	081	
NEBG030	06	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/24/80	081	
NEBG031	06	*	2	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	2/24/80	081	
NEBG032	06	*	2	1	1	1	1	3	2	2	10	.	.	5	8	QTRN	.	M	2/24/80	081	
NEBG033	06	*	2	1	1	1	1	3	2	2	10	.	.	5	8	QTRN	.	M	2/24/80	081	
NEBG034	06	*	2	1	1	1	1	3	2	2	10	.	.	5	8	QTRN	.	M	2/24/80	081	
NEBG035	06	*	2	1	1	1	1	3	2	2	10	.	.	5	8	QTRN	.	M	2/24/80	081	
NEBG036	06	*	2	1	1	1	1	3	2	3	10	.	.	5	8	QTRN	.	M	2/24/80	081	
NEBG037	06	*	2	1	1	1	1	3	2	2	10	.	.	5	8	QTRN	.	M	2/24/80	081	
NEBG038	06	*	2	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/25/80	081	
NEBG039	06	*	2	1	1	1	1	3	1	3	10	.	.	.	8	QTRN	.	M	2/25/80	081	
NEBG040	06	*	2	1	1	1	1	3	2	3	10	.	.	.	8	QTRN	.	M	2/25/80	081	
NEBG041	06	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/25/80	081	
NEBG042	06	*	2	1	1	1	1	3	2	3	10	.	.	6	5	8	QTRN	.	M	2/25/80	081
NEBG043	06	*	2	1	1	1	1	3	2	2	10	.	.	6	8	QTRN	.	M	2/25/80	081	
NEBG044	07	*	2	1	1	1	1	3	2	1	10	.	.	6	5	8	QTRN	.	M	2/25/80	081
NEBG045	06	*	2	1	1	1	1	3	1	2	10	.	.	1	6	8	QTRN	.	M	2/25/80	081
NEBG046	06	*	2	1	1	1	1	3	2	2	10	.	.	6	8	QTRN	.	M	2/25/80	081	
NEBG047	06	*	2	1	1	1	1	3	2	3	10	.	.	5	8	QTRN	.	M	2/25/80	081	
NEBG048	06	*	2	1	1	1	1	3	2	2	10	.	.	5	8	QTRN	.	M	2/25/80	081	
NEBG049	06	*	2	1	1	1	1	3	2	2	10	.	.	6	5	8	QTRN	.	M	2/25/80	081
NEBG050	06	*	2	1	1	1	1	3	2	3	10	.	.	.	8	QTRN	.	M	2/27/80	081	
NEBG051	06	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/27/80	081	
NEBG052	06	*	2	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	2/27/80	081	
NEBG053	06	*	2	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/27/80	081	
NEBG054	06	*	3	1	1	1	1	3	1	1	10	.	.	.	8	QTRN	.	M	2/27/80	081	
NEBG055	06	*	2	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/27/80	081	
NEBG056	06	*	2	1	1	1	1	3	1	1	10	.	.	.	8	QTRN	.	M	2/27/80	081	
NEBG057	06	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	2/27/80	081	
NEBH001	07	*	3	1	1	1	1	3	1	3	10	.	.	.	2	QTRN	.	M	2/26/80	071	
NEBH002	06	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	2/26/80	071	
NEBH003	07	*	3	1	1	1	1	3	1	1	10	.	.	.	8	QTRN	.	M	2/26/80	071	
NEBH004	07	*	3	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	2/26/80	071	
NEBH005	07	*	3	1	1	1	1	3	1	1	10	.	.	.	8	QTRN	.	M	2/26/80	071	
NEBH006	06	*	3	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	2/26/80	071	
NEBH007	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	2/26/80	071	
NEBH008	06	5	3	1	1	1	1	3	1	2	10	.	.	.	2	PRCM	.	M	2/26/80	071	

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S	R	S	S	S	S	S	V	V	R	C	C	C	C	F	O	W	SAMPDATE	TEAM
*****	A	O	E	T	T	T	T	E	E	E	O	C	C	C	R	D	A		
*****	M	C	D	R	R	R	R	G	G	L	M	O	O	O	M	O	T		
*****	P	K	S	W	D	F	L	T	D	I	P	N	N	N	A	R	R		
*****	T	T	I	I	E	L	E	Y	P	E	S	1	2	3	T		T		
*****	Y	P	E	O	P	W	E	P	E		S				I		E		
*****	E	E	E	H	H	H	H								O		M		
NEBH009	06	5	3	1	1	1	1	3	1	2	10	.	.	2	PRCM	.	M	2/26/80	071
NEBH010	06	5	3	1	1	1	1	3	1	2	10	.	.	2	PRCM	.	M	2/26/80	071
NEBH011	06	5	3	1	1	1	1	3	1	2	10	.	.	2	PRCM	.	M	2/26/80	071
NEBH012	06	5	3	1	1	1	1	3	1	2	10	.	.	2	PRCM	.	M	2/26/80	071
NEBH013	06	*	3	1	1	1	1	3	1	2	10	.	.	2	QTRN	.	M	2/26/80	071
NEBH014	06	*	3	1	1	1	1	3	1	2	10	.	.	2	QTRN	.	M	2/26/80	071
NEBH015	06	*	3	1	1	1	1	3	1	2	10	.	.	2	QTRN	.	M	2/26/80	071
NEBH016	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH017	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH018	06	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH019	06	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH020	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH021	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH022	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH023	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH024	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH025	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH026	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH027	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH028	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	2/27/80	071
NEBH029	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/28/80	071
NEBH030	06	5	3	1	1	1	1	3	1	1	10	.	.	2	PRCM	.	M	2/28/80	071
NEBH031	06	5	3	1	1	1	1	3	2	1	10	.	.	2	PRCM	.	M	2/28/80	071
NEBH032	06	5	3	1	1	1	1	3	2	1	10	.	.	6	PRCM	.	M	2/28/80	071
NEBH033	06	*	3	1	1	1	1	3	2	3	10	.	.	8	QTRN	.	M	2/28/80	071
NEBH034	06	*	3	1	1	1	1	3	2	4	10	.	.	2	QTRN	.	M	2/28/80	071
NEBH035	06	*	3	1	1	1	1	3	2	3	10	.	.	2	QTRN	.	M	2/28/80	071
NEBH036	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/28/80	071
NEBH037	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH038	06	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH039	06	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH040	06	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH041	06	3	3	1	1	1	1	3	2	2	10	.	.	2	TRTR	.	M	2/29/80	071
NEBH042	06	3	3	1	1	1	1	3	2	1	10	.	.	2	TRTR	.	M	2/29/80	071
NEBH043	06	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/28/80	071
NEBH044	06	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH045	06	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH046	06	*	3	1	1	1	1	3	2	2	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH047	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH048	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH049	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH050	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH051	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH052	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH053	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	.	M	2/29/80	071
NEBH054	06	4	3	1	1	1	1	3	2	2	10	.	.	2	PRCM	.	M	3/ 6/80	071
NEBH055	06	5	3	1	1	1	1	3	2	3	10	.	.	5	PRCM	.	M	3/ 6/80	071
NEBH056	07	4	3	1	1	1	1	3	2	3	10	.	.	5	PRCM	.	M	3/ 6/80	071
NEBH057	06	2	3	1	1	1	1	3	2	3	10	.	.	5	TRTR	.	M	3/ 6/80	071
NEBH058	06	3	3	1	1	1	1	3	2	3	10	.	.	2	TRTR	.	M	3/ 6/80	071

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S	R	S	S	S	S	V	V	R	C	C	C	C	F	O	H	SAMPDATE	TEAM		
	A	O	E	T	T	T	E	E	E	O	O	O	O	R	D	A				
	M	C	D	R	R	R	G	G	L	M	N	N	N	M	O	T				
	P	K	S	W	D	F	T	D	I	P	T	T	T	A	R	R				
	T	T	I	I	L	L	Y	E	E	O	A	A	A	I	T	T				
	Y	Y	Z	D	P	L	P	E	S	S	M	M	M	O	E	E				
	P	P	E	T	H	H	H	H	I	I	N	N	N	N	M	M				
	E	E	H	H	L	L	L	L	1	1	1	1	1	2	1	1	3/ 6/80	071		
NEBH059	06	3	3	1	1	1	1	1	3	2	3	10	.	.	.	2	TRTR	M	3/ 6/80	071
NECA001	07	3	3	1	1	1	1	1	3	1	2	10	.	.	.	1	UNKN	M	3/15/80	069
NECA002	06	3	3	1	1	1	1	1	3	1	1	10	.	.	.	1	UNKN	M	3/15/80	069
NECA003	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	M	3/15/80	069
NECA004	06	3	3	1	1	1	1	1	3	1	2	10	.	.	.	1	UNKN	M	3/15/80	069
NECA005	07	3	4	1	1	1	1	1	3	1	1	10	.	.	.	1	UNKN	M	3/15/80	069
NECA006	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	M	3/15/80	069
NECA007	06	*	3	1	1	1	1	1	3	1	2	10	.	.	.	1	UNKN	M	3/15/80	069
NECA008	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	M	3/15/80	069
NECA009	06	3	3	1	1	1	1	1	3	1	3	10	.	.	.	1	UNKN	M	3/15/80	069
NECA010	06	3	3	1	1	1	1	1	3	1	2	10	.	.	.	1	UNKN	M	3/15/80	069
NECA011	07	3	3	1	1	1	1	1	3	1	3	10	.	.	.	1	UNKN	M	3/15/80	069
NECA012	06	3	3	1	1	1	1	1	3	1	3	10	.	.	.	1	UNKN	M	3/15/80	069
NECA013	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	M	3/15/80	069
NECA014	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	M	3/15/80	069
NECA015	06	*	3	1	1	1	1	1	3	1	2	10	.	.	.	1	QTRN	M	3/15/80	069
NECA016	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	M	3/15/80	069
NECA017	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	M	3/15/80	069
NECA018	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	M	3/15/80	069
NECA019	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	M	3/15/80	069
NECA020	07	*	4	1	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	M	3/15/80	069
NECA021	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	1	QTRN	M	3/15/80	069
NECA022	07	3	3	1	1	1	1	1	3	1	4	10	.	.	.	1	UNKN	M	3/15/80	069
NECA023	06	3	3	1	1	1	1	1	3	1	4	10	.	.	.	1	UNKN	M	3/15/80	080
NECA024	06	3	3	1	1	1	1	1	3	1	1	10	.	.	.	1	UNKN	M	3/15/80	080
NECA025	06	*	3	1	1	1	1	1	3	1	4	10	.	.	.	1	QTRN	M	3/15/80	080
NECA026	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/15/80	080
NECA027	06	3	3	1	1	1	1	1	3	1	3	10	.	.	.	2	TRTR	M	3/15/80	080
NECA028	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/15/80	080
NECA029	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/15/80	080
NECA030	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/15/80	080
NECA031	06	5	3	1	1	1	1	1	3	1	1	10	.	.	.	5	UNKN	M	3/15/80	080
NECA032	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/15/80	080
NECA033	07	*	3	1	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/15/80	016
NECB001	07	7	3	1	1	1	1	1	3	1	4	10	.	.	.	2	UNKN	M	3/12/80	080
NECB002	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB003	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB004	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB005	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB006	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB007	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB008	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB009	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB010	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB011	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB012	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB013	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB014	06	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB015	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/10/80	080
NECB015	07	*	3	1	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S	R	S	S	S	S	S	V	V	R	C	C	C	C	F	O	W	SAMPDATE	TEAM
	A	O	E	T	T	T	T	E	E	E	O	O	O	O	R	D	A		
	M	C	D	R	R	R	R	G	G	L	M	M	M	M	M	O	T		
	P	K	S	H	D	F	L	T	D	I	P	A	A	A	A	R	R		
	T	T	I	I	I	L	L	P	P	E	O	N	N	N	N		T		
	Y	Y	Z	D	E	L	L	E	P	F	S	M	M	M	I		E		
	P	P	E	H	H	L	L	P	E	E	I	N	N	N	O		M		
	E	E													N		P		
NECB017	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB018	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB019	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB020	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB021	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB022	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB023	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB024	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB025	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB026	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB027	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/10/80	080
NECB028	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB029	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB030	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB031	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/12/80	080
NECB032	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB033	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB034	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/10/80	080
NECB035	06	4	3	1	1	1	1	3	1	4	10	.	.	.	2	UNKN	M	3/13/80	080
NECB036	06	4	3	1	1	1	1	3	1	2	10	.	.	.	2	UNKN	M	3/13/80	080
NECB037	06	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/13/80	080
NECB038	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB039	07	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/13/80	080
NECB040	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB041	07	*	4	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB042	07	*	3	1	1	1	1	3	1	1	10	.	.	.	5	QTRN	M	3/13/80	080
NECB043	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB044	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB045	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/15/80	080
NECB046	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB047	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB048	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB049	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB050	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB051	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB052	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/13/80	080
NECB053	07	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/13/80	080
NECB054	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/15/80	081
NECB055	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/15/80	081
NECC001	06	5	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080
NECC002	07	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080
NECC003	07	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080
NECC004	07	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080
NECC005	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/14/80	080
NECC006	07	3	3	1	1	1	1	3	1	2	10	.	.	.	2	UNKN	M	3/14/80	080
NECC007	07	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080
NECC008	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/14/80	080
NECC009	07	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080
NECC010	07	3	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/14/80	080
NECC011	07	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S	R	S	S	S	S	S	V	V	R	C	C	C	C	F	O	H	SAMPDATE	TEAM
*****	A	O	E	T	T	T	T	V	V	R	C	C	C	C	R	O	H		
*****	M	C	D	R	R	R	R	E	E	E	O	O	O	O	R	D	A		
*****	P	K	S	W	D	F	L	T	D	L	M	N	N	N	A	O	T		
*****	T	T	Z	I	E	L	E	P	P	E	S	A	A	A	T	R	R		
*****	Y	Y	I	D	P	L	V	E	P	E	N	M	N	N	I		T		
*****	P	P	E	T	T	W	E	S	S	I	O	N	N	N	O	E			
*****	E	E	H	H	H	L	L			T		1	2	3	4	P			
NECC012	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/14/80	080
NECC013	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/14/80	080
NECC014	07	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080
NECC015	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/14/80	080
NECC016	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/14/80	080
NECC017	07	5	3	1	1	1	1	3	1	4	10	.	.	.	5	UNKN	M	3/14/80	080
NECC018	07	9	3	1	1	1	1	3	1	4	10	.	.	.	5	UNKN	M	3/14/80	080
NECC019	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/14/80	080
NECC020	06	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080
NECC021	06	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080
NECC022	06	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080
NECC023	06	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080
NECC024	06	3	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/14/80	080
NECC025	07	5	3	1	1	1	1	3	1	3	10	.	.	.	2	UNKN	M	3/14/80	080
NECC026	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/14/80	080
NECC027	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/14/80	080
NECC028	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/15/80	081
NECC029	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/15/80	081
NECC030	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/15/80	081
NECC031	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	M	3/15/80	081
NECC032	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	M	3/15/80	081
NECC033	07	1	2	1	1	1	1	3	1	1	10	.	.	5	8	UNKN	M	3/15/80	081
NECC034	06	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	M	3/15/80	081
NECC035	07	*	3	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	M	3/15/80	081
NECD001	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD002	06	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD003	07	*	3	1	1	1	1	3	3	1	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD004	07	*	3	1	1	1	1	3	1	1	10	.	.	5	QTRN	M	3/ 8/80	069	
NECD005	06	*	3	1	1	1	1	3	1	4	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD006	07	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD007	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD008	06	*	3	1	1	1	1	3	2	2	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD009	06	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD010	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD011	06	*	3	1	1	1	1	3	2	2	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD012	07	*	3	1	1	1	1	3	1	1	10	.	.	5	QTRN	M	3/ 8/80	069	
NECD013	07	*	3	1	1	1	1	3	1	1	10	.	.	5	QTRN	M	3/ 8/80	069	
NECD014	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD015	06	*	3	1	1	1	1	3	1	4	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD016	06	*	3	1	1	1	1	3	2	4	10	.	.	2	QTRN	M	3/ 8/80	069	
NECD017	06	*	3	1	1	1	1	3	2	2	10	.	.	2	QTRN	M	3/10/80	069	
NECD018	06	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/10/80	069	
NECD019	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/10/80	069	
NECD020	06	*	3	1	1	1	1	3	2	2	10	.	.	2	QTRN	M	3/10/80	069	
NECD021	06	*	3	1	1	1	1	3	2	4	10	.	.	2	QTRN	M	3/10/80	069	
NECD022	06	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/10/80	069	
NECD023	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/10/80	069	
NECD024	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/10/80	069	
NECD025	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/10/80	069	
NECD026	07	*	3	1	1	1	1	3	2	1	10	.	.	2	QTRN	M	3/10/80	069	



TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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S	R	S	S	S	S	V	V	R	C	C	C	C	C	F	O	H	SAMPDATE	TEAM
*****	A	E	T	T	T	E	E	E	O	O	O	O	O	R	D	A		
*****	M	D	R	R	R	G	G	L	H	N	N	N	N	M	O	T		
SRL I.D.	P	S	W	D	F	T	D	I	P	T	T	T	T	A	R	R		
*****	T	I	I	I	I	Y	E	E	O	S	A	A	A	T		E		
*****	Y	Z	D	E	L	P	N	F	S	I	M	M	M	I		M		
*****	P	E	T	H	W	E	S	E	I	T	N	N	N	O		P		
*****	E	H	H	H	H	E	S	E	T	T	1	2	3	4				
NECD027	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	069
NECD028	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	069
NECD029	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	069
NECD030	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	069
NECD031	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	069
NECD032	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	069
NECD033	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	069
NECD034	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	069
NECD035	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	069
NECD036	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	069
NECD037	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	069
NECD038	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD039	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD040	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD041	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD042	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD043	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD044	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD045	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD046	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD047	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD048	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD049	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD050	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD051	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD052	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD053	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD054	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD055	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD056	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD057	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD058	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD059	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD060	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD061	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD062	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	093
NECD063	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	093
NECD064	07	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	093
NECD065	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	093
NECD066	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	093
NECD067	06	*	3	1	1	1	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	093
NECE001	06	1	3	1	1	1	1	1	5	.	.	.	2	QTRN	.	M	3/ 6/80	001
NECE002	06	2	3	1	1	1	1	1	5	.	.	.	2	UNKN	.	M	3/ 6/80	001
NECE003	06	2	3	1	1	1	1	1	5	.	.	.	2	UNKN	.	M	3/ 6/80	001
NECE004	06	2	3	1	1	1	1	1	5	.	.	.	2	UNKN	.	M	3/ 6/80	001
NECE005	06	2	3	1	1	1	1	1	5	.	.	.	2	UNKN	.	M	3/ 6/80	001
NECE006	06	2	3	1	1	1	1	1	5	.	.	.	2	UNKN	.	M	3/ 6/80	001
NECE007	06	1	3	1	1	1	1	1	5	.	.	.	2	QTRN	.	M	3/ 6/80	001
NECE008	06	1	3	1	1	1	1	1	5	.	.	.	2	QTRN	.	M	3/ 6/80	001
NECE009	06	2	3	1	1	1	1	1	5	.	.	.	2	UNKN	.	M	3/ 6/80	001

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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S A M P L E	R O C K T Y P E	S E D S I Z E	S T R W I D T H	S T R D E P T H	S T R F L O W	S T R L E V E L	V E G T Y P E	V E G D E N S	R E L I E F	C O M P O S I T	C O N T A M I N	C O N T A M I N	C O N T A M I N	C O N T A M I N	F R A C T I O N	O D O R	H A T T E M P	SAMPDATE	TEAM
NECE010	06	2	2	1	1	1	3	1	3	5	5	1	2	3	2	UNKN	M	3/ 6/80	001
NECE011	06	2	2	1	1	1	3	1	3	5	5	1	2	3	2	UNKN	M	3/ 6/80	001
NECE012	06	2	2	1	1	1	3	1	3	5	5	1	2	3	2	UNKN	M	3/ 6/80	001
NECE013	06	1	3	1	1	1	3	1	3	5	5	1	2	3	2	QTRN	M	3/ 6/80	001
NECE014	06	1	3	1	1	1	3	1	3	5	5	1	2	3	2	QTRN	M	3/ 6/80	001
NECE015	06	1	3	1	1	1	3	1	3	5	5	1	2	3	2	QTRN	M	3/ 6/80	001
NECE016	06	2	3	1	1	1	3	1	3	5	5	1	2	3	2	UNKN	M	3/ 7/80	001
NECE017	06	4	3	1	1	1	3	1	3	5	5	1	2	3	2	UNKN	M	3/ 7/80	001
NECE018	06	4	3	1	1	1	3	1	2	5	5	1	2	3	2	UNKN	M	3/ 7/80	001
NECE019	06	1	3	1	1	1	3	1	1	5	5	1	3	3	2	QTRN	M	3/ 7/80	001
NECE020	06	2	3	1	1	1	3	1	1	5	5	1	3	3	2	UNKN	M	3/ 6/80	001
NECE021	06	2	3	1	1	1	3	1	2	5	5	1	3	3	2	UNKN	M	3/ 8/80	001
NECE022	06	2	3	1	1	1	3	1	2	5	5	1	3	3	2	UNKN	M	3/ 8/80	001
NECE023	07	2	3	1	1	1	3	1	2	10	5	1	3	3	2	UNKN	M	3/ 8/80	001
NECE024	06	2	3	1	1	1	3	1	1	5	5	1	3	3	2	UNKN	M	3/ 8/80	001
NECE025	06	1	3	1	1	1	3	1	1	5	5	1	3	3	2	QTRN	M	3/ 8/80	001
NECE026	06	1	3	1	1	1	3	1	1	5	5	1	3	3	2	QTRN	M	3/ 8/80	001
NECE027	06	1	3	1	1	1	3	1	1	5	5	1	3	3	2	QTRN	M	3/ 8/80	001
NECE028	06	1	3	1	1	1	3	1	1	5	5	1	3	3	2	QTRN	M	3/ 8/80	001
NECE029	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	3/10/80	016
NECE030	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	3/10/80	016
NECE031	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	3/10/80	016
NECE032	06	4	3	1	1	1	3	2	2	10	5	1	3	3	2	UNKN	M	3/10/80	016
NECE033	06	4	3	1	1	1	3	2	2	10	5	1	3	3	2	UNKN	M	3/10/80	016
NECE034	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	3/10/80	016
NECE035	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	3/10/80	016
NECE036	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	3/10/80	016
NECF001	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF002	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF003	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF004	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF005	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF006	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF007	06	*	2	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF008	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF009	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF010	06	*	3	1	1	1	3	2	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF011	06	*	3	1	1	1	3	2	2	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF012	06	*	3	1	1	1	3	1	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF013	06	*	3	1	1	1	3	1	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF014	06	*	3	1	1	1	3	1	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF015	06	*	3	1	1	1	3	1	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF016	06	*	3	1	1	1	3	1	1	10	5	1	3	3	2	QTRN	M	2/25/80	091
NECF017	06	*	3	1	1	1	3	1	1	10	5	1	3	3	2	QTRN	M	2/26/80	080
NECF018	06	*	3	1	1	1	3	1	1	10	5	1	3	3	2	QTRN	M	2/26/80	080
NECF019	06	*	2	1	1	1	3	1	2	10	5	1	3	3	2	QTRN	M	2/26/80	080
NECF020	06	*	3	1	1	1	3	1	1	10	5	1	3	3	2	QTRN	M	2/26/80	080
NECF021	06	*	3	1	1	1	3	1	1	10	5	1	3	3	2	QTRN	M	2/26/80	080
NECF022	06	*	3	1	1	1	3	1	1	16	5	1	3	3	2	QTRN	M	2/26/80	080
NECF023	06	*	3	1	1	1	3	1	1	10	5	1	3	3	2	QTRN	M	2/26/80	080

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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S A M P L E	R O C K T Y P E	S E D S I Z E	S T R W I D T H	S T R D E P T H	S T R F L O W	S T R L E V E L	V E G T Y P E	V E G D E N S	R E L I E F	C O M P O S I T	C O N T A M I N T	C O N T A M I N T	C O N T A M I N T	C O N T A M I N T	F R A M E M A T E R I A L	O D O R	H A T T E M P	SAMPDATE	TEAM
NECF024	06	*	3	1	1	1	3	1	1	10					QTRN	.	M	2/26/80	080
NECF025	06	*	3	1	1	1	3	1	1	10					QTRN	.	M	2/26/80	080
NECF026	06	*	3	1	1	1	3	1	1	10					QTRN	.	M	2/26/80	080
NECF027	06	*	3	1	1	1	3	1	1	10					QTRN	.	M	2/27/80	080
NECF028	06	*	3	1	1	1	3	1	1	10					QTRN	.	M	2/27/80	080
NECF029	06	*	3	1	1	1	3	1	1	10					QTRN	.	M	2/27/80	080
NECF030	06	*	3	1	1	1	3	1	2	10					QTRN	.	M	2/27/80	080
NECF031	06	*	3	1	1	1	3	1	3	10					QTRN	.	M	2/27/80	080
NECF032	06	*	3	1	1	1	3	1	3	10		3	6	5	QTRN	.	M	2/27/80	080
NECF033	06	*	3	1	1	1	3	1	3	10					QTRN	.	M	2/27/80	080
NECF034	06	*	3	1	1	1	3	1	3	10					QTRN	.	M	2/27/80	080
NECF035	06	*	3	1	1	1	3	1	1	10					QTRN	.	M	2/27/80	080
NECF036	06	1	3	1	1	1	3	1	2	5					QTRN	.	M	3/ 2/80	001
NECF037	06	1	3	1	1	1	3	1	2	5					QTRN	.	M	3/ 2/80	001
NECF038	06	1	3	1	1	1	3	1	1	5					QTRN	.	M	3/ 2/80	002
NECF039	06	1	3	1	1	1	3	1	1	5					QTRN	.	M	3/ 2/80	002
NECF040	06	1	3	1	1	1	3	1	1	5					QTRN	.	M	3/ 2/80	001
NECF041	06	1	3	1	1	1	3	1	1	5					QTRN	.	M	3/ 2/80	001
NECF042	06	1	3	1	1	1	3	1	1	5					QTRN	.	M	3/ 2/80	002
NECF043	06	1	3	1	1	1	3	1	1	5					QTRN	.	M	3/ 2/80	001
NECF044	06	1	3	1	1	1	3	1	1	5					QTRN	.	M	3/ 2/80	001
NECF045	06	1	3	1	1	1	3	1	2	5					QTRN	.	M	3/ 2/80	001
NECF046	06	1	3	1	1	1	3	1	1	5					QTRN	.	M	3/ 2/80	001
NECF047	06	1	3	1	1	1	3	1	2	5					QTRN	.	M	3/ 2/80	001
NECF048	06	1	3	1	1	1	3	1	2	5					QTRN	.	M	3/ 2/80	001
NECF049	06	1	3	1	1	1	3	1	2	5					QTRN	.	M	3/ 2/80	001
NECF050	06	2	2	1	1	1	3	1	1	5					QTRN	.	M	3/ 2/80	001
NECF051	06	2	2	1	1	1	3	1	2	5					QTRN	.	M	3/ 2/80	001
NECF052	06	2	2	1	1	1	3	2	3	5					QTRN	.	M	3/ 2/80	001
NECF053	06	2	2	1	1	1	3	1	3	5					QTRN	.	M	3/ 2/80	001
NECF054	06	*	3	1	1	1	3	1	1	10					QTRN	.	M	3/ 7/80	091
NECF055	06	*	3	1	1	1	3	1	1	10					QTRN	.	M	3/ 7/80	091
NECF056	07	*	3	1	1	1	3	2	1	10					QTRN	.	M	3/ 7/80	091
NECF057	06	*	3	1	1	1	3	2	1	10					QTRN	.	M	3/ 7/80	091
NECF058	06	*	3	1	1	1	3	2	1	10					QTRN	.	M	3/ 7/80	091
NECF059	01	4	2	1	1	1	3	2	2	10					UNKN	.	M	3/ 7/80	091
NECF060	06	*	3	1	1	1	3	2	1	10					QTRN	.	M	3/ 7/80	091
NECF061	06	*	3	1	1	1	3	2	1	10					QTRN	.	M	3/ 7/80	091
NECF062	06	*	3	1	1	1	3	2	1	10					QTRN	.	M	3/ 7/80	091
NECF063	01	2	2	1	1	1	3	2	2	10					UNKN	.	M	3/ 7/80	091
NECG001	06	*	2	1	1	1	3	2	2	10					QTRN	.	M	2/26/80	081
NECG002	06	*	2	1	1	1	3	2	2	10					QTRN	.	M	2/25/80	081
NECG003	06	*	2	1	1	1	3	1	1	10					QTRN	.	M	2/26/80	081
NECG004	06	*	2	1	1	1	3	1	2	10					QTRN	.	M	2/26/80	081
NECG005	06	*	2	1	1	1	3	2	1	10					QTRN	.	M	2/26/80	081
NECG006	06	*	2	1	1	1	3	2	1	10					QTRN	.	M	2/26/80	081
NECG007	06	*	2	1	1	1	3	1	2	10					QTRN	.	M	2/26/80	081
NECG008	06	*	2	1	1	1	3	1	2	10					QTRN	.	M	2/26/80	081
NECG009	06	*	2	1	1	1	3	1	3	10					QTRN	.	M	2/26/80	081
NECG010	06	*	2	1	1	1	3	2	3	10					QTRN	.	M	2/26/80	081

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	SAMPLE TYPE	ROCK TYPE	SEDIMENT	STRWIDTH	STRDEPTH	STRFLOW	STRLEVEL	VEGETYPE	VEGDENS	RELIEF	COMP	CONT	CONT	CONT	CONT	FRT	ODOR	WATR	SAMPLE DATE	TEAM
NECG011	06	*	2	1	1	1	1	3	2	2	10	1	2	5	8	QTRN		M	2/26/80	081
NECG012	06	*	2	1	1	1	1	3	2	2	10				8	QTRN		M	2/27/80	081
NECG013	06	*	2	1	1	1	1	3	1	3	10				8	QTRN		M	2/27/80	081
NECG014	06	*	2	1	1	1	1	3	1	2	10				8	QTRN		M	2/27/80	081
NECG015	06	*	2	1	1	1	1	3	1	3	10				8	QTRN		M	2/27/80	081
NECG016	06	*	2	1	1	1	1	3	2	3	10				8	QTRN		M	2/27/80	081
NECG017	06	*	2	1	1	1	1	3	2	4	10				8	QTRN		M	2/27/80	081
NECG018	06	*	2	1	1	1	1	3	1	3	10				8	QTRN		M	2/28/80	081
NECG019	06	*	2	1	1	1	1	3	1	1	10				8	QTRN		M	2/28/80	081
NECG020	06	*	2	1	1	1	1	3	1	2	10				8	QTRN		M	2/28/80	081
NECG021	06	*	2	1	1	1	1	3	1	3	10				8	QTRN		M	2/28/80	081
NECG022	06	*	2	1	1	1	1	3	2	2	10				8	QTRN		M	2/28/80	081
NECG023	06	*	2	1	1	1	1	3	1	3	10				8	QTRN		M	2/28/80	081
NECG024	06	*	2	1	1	1	1	3	1	2	10			5	8	QTRN		M	2/28/80	081
NECG025	01	*	2	1	1	1	1	3	1	3	10			5	8	QTRN		M	2/28/80	081
NECG026	06	*	2	1	1	1	1	3	1	2	10			5	8	QTRN		M	2/28/80	081
NECG027	07	5	2	1	1	1	1	3	1	3	10			5	8	UNKN		M	2/28/80	081
NECG028	06	*	2	1	1	1	1	3	1	2	10			5	8	QTRN		M	2/29/80	081
NECG029	06	*	2	1	1	1	1	3	2	2	10			5	8	QTRN		M	2/29/80	081
NECG030	06	*	2	1	1	1	1	3	1	3	10				8	QTRN		M	2/29/80	081
NECG031	06	*	2	1	1	1	1	3	1	2	10				8	QTRN		M	2/29/80	081
NECG032	06	*	2	1	1	1	1	3	1	3	10				8	QTRN		M	2/29/80	081
NECG033	06	*	2	1	1	1	1	3	1	3	10				8	QTRN		M	2/29/80	081
NECG034	06	*	2	1	1	1	1	3	1	3	10				8	QTRN		M	2/29/80	081
NECG035	06	1	2	1	1	1	1	3	2	3	10				8	QTRN		M	2/29/80	081
NECG036	06	*	2	1	1	1	1	3	2	3	10				8	QTRN		M	2/29/80	081
NECG037	06	*	2	1	1	1	1	3	2	4	10			5	8	QTRN		M	2/29/80	081
NECG038	06	*	3	1	1	1	1	3	1	4	10			5	8	QTRN		M	3/ 6/80	081
NECG039	06	*	2	1	1	1	1	3	2	3	10			5	8	QTRN		M	3/ 6/80	081
NECG040	06	*	2	1	1	1	1	3	2	3	10				8	QTRN		M	3/ 6/80	081
NECG041	06	*	2	1	1	1	1	3	2	3	10			5	8	QTRN		M	3/ 6/80	081
NECG042	07	*	2	1	1	1	1	3	1	1	10			1	8	QTRN		M	3/ 6/80	081
NECG043	06	*	3	1	1	1	1	3	1	1	10			1	8	QTRN		M	3/ 6/80	081
NECG044	06	*	2	1	1	1	1	3	1	1	10			1	8	QTRN		M	3/ 6/80	081
NECG045	06	*	2	1	1	1	1	3	1	2	10			1	8	QTRN		M	3/ 6/80	081
NECG046	06	*	2	1	1	1	1	3	1	1	10			1	8	QTRN		M	3/ 6/80	081
NECG047	06	*	2	1	1	1	1	3	1	2	10			1	8	QTRN		M	3/ 6/80	081
NECG048	06	*	2	1	1	1	1	3	1	1	10			1	8	QTRN		M	3/ 6/80	081
NECG049	06	*	2	1	1	1	1	3	2	1	10			1	8	QTRN		M	3/ 6/80	081
NECG050	07	*	2	1	1	1	1	3	2	1	10			1	8	QTRN		M	3/ 6/80	081
NECG051	06	*	2	1	1	1	1	3	2	4	10			5	8	QTRN		M	3/ 7/80	081
NECG052	06	*	2	1	1	1	1	3	2	2	10			5	8	QTRN		M	3/ 7/80	081
NECG053	06	*	2	1	1	1	1	3	2	3	10			5	8	QTRN		M	3/ 7/80	081
NECG054	06	*	2	1	1	1	1	3	2	3	10			5	8	QTRN		M	3/ 7/80	081
NECG055	06	*	2	1	1	1	1	3	1	2	10			5	8	QTRN		M	3/ 7/80	081
NECG056	06	*	2	1	1	1	1	3	1	3	10			5	8	QTRN		M	3/ 7/80	081
NECG057	06	1	2	1	1	1	1	3	2	3	10			5	8	QTRN		M	3/ 7/80	081
NECG058	06	*	2	1	1	1	1	3	2	2	10			5	8	QTRN		M	3/ 7/80	081
NECG059	06	*	2	1	1	1	1	3	1	3	10			5	8	QTRN		M	3/ 7/80	081
NECH001	06	3	3	1	1	1	1	3	2	3	10				8	TRTR		M	3/ 7/80	071

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S A M P L E	R O C K T Y P E	S E D I M E N T	S T R I D E P T H	S T R I D E P T H	S T R I D E P T H	S T R I D E P T H	V E G E T A T I O N	V E G E T A T I O N	R E L I E F	C O M P O S I T	C O N T A M I N	C O N T A M I N	C O N T A M I N	C O N T A M I N	F R A M E W O R K	O D O R	W A T E R T E M P	SAMPDATE	TEAM
NECH002	06	3	3	1	1	1	1	3	2	1	10	.	.	.	6	TRTR	.	M	3/ 7/80	071
NECH003	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/ 7/80	071
NECH004	06	3	3	1	1	1	1	3	2	3	10	.	.	.	2	TRTR	.	M	3/ 6/80	071
NECH005	06	3	3	1	1	1	1	3	2	2	10	.	.	.	6	TRTR	.	M	3/ 7/80	071
NECH006	07	3	3	1	1	1	1	3	2	2	10	.	.	.	2	TRTR	.	M	3/ 7/80	071
NECH007	06	3	3	1	1	1	1	3	2	4	10	.	.	.	8	TRTR	.	M	3/ 7/80	071
NECH008	06	3	3	1	1	1	1	3	2	2	10	.	.	.	2	TRTR	.	M	3/ 7/80	071
NECH009	06	3	3	1	1	1	1	3	2	2	10	.	.	.	2	TRTR	.	M	3/ 7/80	071
NECH010	07	*	3	1	1	1	1	3	2	1	10	.	.	.	6	QTRN	.	M	3/ 7/80	071
NECH011	06	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	3/ 7/80	071
NECH012	06	7	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 7/80	071
NECH013	06	7	3	1	1	1	1	3	2	4	10	.	.	.	2	QTRN	.	M	3/ 7/80	071
NECH014	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 7/80	071
NECH015	06	4	3	1	1	1	1	3	2	3	10	.	.	.	6	PRCM	.	M	3/ 7/80	071
NECH016	06	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	3/ 7/80	071
NECH017	07	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	3/ 7/80	071
NECH018	07	*	3	1	1	1	1	3	2	1	10	.	.	.	6	QTRN	.	M	3/ 7/80	071
NECH019	07	4	3	1	1	1	1	3	2	2	10	.	.	.	6	PRCM	.	M	3/ 7/80	071
NECH020	06	*	3	1	1	1	1	3	2	1	10	.	.	.	6	QTRN	.	M	3/ 7/80	071
NECH021	07	*	3	1	1	1	1	3	2	1	10	.	.	.	6	QTRN	.	M	3/ 8/80	071
NECH022	06	3	3	1	1	1	1	3	2	2	10	.	.	.	2	TRTR	.	M	3/ 8/80	071
NECH023	07	7	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 8/80	071
NECH024	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 8/80	071
NECH025	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	071
NECH026	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 8/80	071
NECH027	06	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	3/ 8/80	071
NECH028	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	071
NECH029	07	3	3	1	1	1	1	3	2	3	10	.	.	.	2	TRTR	.	M	3/ 8/80	071
NECH030	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 8/80	071
NECH031	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	071
NECH032	01	3	3	1	1	1	1	3	2	3	10	.	.	.	5	TRTR	.	M	3/ 8/80	071
NECH033	08	3	3	1	1	1	1	3	2	2	10	.	.	.	6	TRTR	.	M	3/ 8/80	071
NECH034	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 8/80	071
NECH035	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 8/80	071
NECH036	06	3	3	1	1	1	1	3	2	3	10	.	.	.	2	TRTR	.	M	3/ 9/80	071
NECH037	06	3	3	1	1	1	1	3	2	3	10	.	.	.	2	TRTR	.	M	3/ 9/80	071
NECH038	06	3	3	1	1	1	1	3	2	3	10	.	.	.	2	TRTR	.	M	3/ 9/80	071
NECH039	07	7	3	1	1	1	1	3	2	3	10	.	.	.	2	QTRN	.	M	3/ 9/80	071
NECH040	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 9/80	071
NECH041	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 9/80	071
NECH042	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 9/80	071
NECH043	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 9/80	071
NECH044	08	4	3	1	1	1	1	3	2	1	10	.	.	.	2	PRCM	.	M	3/ 9/80	071
NECH045	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 9/80	071
NECH046	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 9/80	071
NECH047	06	3	3	1	1	1	1	3	2	3	10	.	.	.	8	TRTR	.	M	3/ 9/80	071
NECH048	06	3	3	1	1	1	1	3	2	2	10	.	.	.	2	TRTR	.	M	3/ 9/80	071
NECH049	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 9/80	071
NECH050	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 9/80	071
NECH051	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 9/80	071

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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	S A M P L E	R O C K T Y P E	S E D S I Z E	S T R W I D T H	S T R D E P T H	S T R F L O W	S T R L E V E L	V E G T Y P E	V E G D E N S	R E L I E F	C O M P O S I T	C O N T A M I N	C O N T A M I N	C O N T A M I N	C O N T A M I N	F R A M E T R I C	O D O R	H A R T E M P	SAMPDATE	TEAM
NECH052	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 9/80	071
NECH053	06	*	2	1	1	1	1	3	1	3	10	.	.	.	8	QTRN	.	M	3/10/80	081
NECH054	06	*	2	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	3/10/80	081
NECH055	06	*	2	1	1	1	1	3	1	3	10	.	.	.	8	QTRN	.	M	3/10/80	081
NECH056	06	*	2	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	3/10/80	081
NECH057	05	*	2	1	1	1	1	3	1	2	10	.	.	.	8	QTRN	.	M	3/10/80	081
NECH058	06	*	2	1	1	1	1	3	2	3	10	.	.	.	8	QTRN	.	M	3/10/80	081
NECH059	06	*	2	1	1	1	1	3	2	3	10	.	.	.	8	QTRN	.	M	3/10/80	081
NECH060	06	*	2	1	1	1	1	3	1	3	10	.	.	.	8	QTRN	.	M	3/10/80	081
NECH061	06	*	2	1	1	1	1	3	2	3	10	.	.	.	8	QTRN	.	M	3/10/80	081
NECH062	06	*	2	1	1	1	1	3	1	3	10	.	.	.	8	QTRN	.	M	3/10/80	081
NEDA001	06	3	2	1	1	1	1	2	1	3	10	.	.	.	6	UNKN	.	M	3/12/80	069
NEDA002	06	3	3	1	1	1	1	3	2	4	10	.	.	.	2	UNKN	.	M	3/12/80	069
NEDA003	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/12/80	069
NEDA004	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	069
NEDA005	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	069
NEDA006	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	069
NEDA007	06	*	3	1	1	1	1	3	1	4	10	.	.	.	2	QTRN	.	M	3/12/80	069
NEDA008	06	3	3	1	1	1	1	3	2	4	10	.	.	.	2	UNKN	.	M	3/12/80	069
NEDA009	06	3	3	1	1	1	1	3	2	4	10	.	.	.	2	UNKN	.	M	3/12/80	069
NEDA010	06	3	3	1	1	1	1	3	2	4	10	.	.	.	2	UNKN	.	M	3/10/80	069
NEDA011	06	3	3	1	1	1	1	3	2	4	10	.	.	.	2	UNKN	.	M	3/12/80	069
NEDA012	06	*	3	1	1	1	1	3	2	3	10	.	.	.	5	QTRN	.	M	3/12/80	069
NEDA013	06	*	3	1	1	1	1	3	3	1	12	.	.	.	2	QTRN	.	M	3/12/80	069
NEDA014	06	*	3	1	1	1	1	3	3	3	10	.	.	.	2	QTRN	.	M	3/12/80	069
NEDA015	06	3	3	1	1	1	1	3	3	4	10	.	.	.	2	UNKN	.	M	3/12/80	069
NEDA016	06	*	3	1	1	1	1	3	3	2	10	.	.	.	5	QTRN	.	M	3/12/80	069
NEDA017	06	*	3	1	1	1	1	3	2	4	10	.	.	.	5	QTRN	.	M	3/12/80	069
NEDA018	06	3	2	1	1	1	1	3	1	4	10	.	.	.	5	UNKN	.	M	3/12/80	069
NEDA019	06	3	2	1	1	1	1	3	1	4	10	.	.	.	5	UNKN	.	M	3/12/80	069
NEDA020	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	069
NEDA021	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/12/80	069
NEDA022	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	069
NEDA023	06	*	3	1	1	1	1	3	2	3	10	.	.	.	5	QTRN	.	M	3/12/80	069
NEDA024	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	069
NEDA025	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	069
NEDA026	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	069
NEDA027	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	069
NEDA028	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/13/80	069
NEDA029	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	069
NEDA030	06	*	3	1	1	1	1	3	2	2	10	.	.	.	5	QTRN	.	M	3/13/80	069
NEDA031	07	*	3	1	1	1	1	3	2	4	10	.	.	.	5	QTRN	.	M	3/13/80	069
NEDA032	06	*	3	1	1	1	1	3	2	2	10	.	.	.	5	QTRN	.	M	3/13/80	069
NEDA033	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	069
NEDA034	06	*	3	1	1	1	1	3	2	4	10	.	.	.	2	QTRN	.	M	3/13/80	069
NEDA035	06	*	3	1	1	1	1	3	3	2	10	.	.	.	5	QTRN	.	M	3/13/80	069
NEDA036	06	3	2	1	1	1	1	3	1	4	10	.	.	.	5	UNKN	.	M	3/13/80	069
NEDA037	06	*	3	1	1	1	1	3	3	1	10	.	.	.	5	QTRN	.	M	3/13/80	069
NEDA038	07	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	3/13/80	069
NEDA039	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/13/80	069

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S A M P L E	R O C K T Y P E	S E D S I Z E	S T R W I D T H	S T R D E P T	S T R F L O W	S T R L E V E L	V E G E T Y P E	V E G E T D E N S	R E L I E F	C O M P O S I T	C O N T A M I N T S	C O N T A M I N T S	C O N T A M I N T S	C O N T A M I N T S	F R A M E W O R K	O R I G I N A L	W A T E R T E M P	SAMPDATE	TEAM
NEDA040	06	*	3	1	1	1	1	3	2	2	10	.	.	.	6	QTRN	.	M	3/13/80	069
NEDA041	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/13/80	069
NEDA042	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA043	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA044	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA045	06	*	3	1	1	1	1	3	3	2	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA046	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA047	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA048	06	*	3	1	1	1	1	3	1	3	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA049	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA050	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA051	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA052	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA053	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA054	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA055	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA056	07	*	3	1	1	1	1	3	3	2	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA057	06	3	2	1	1	1	1	3	2	4	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA058	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA059	06	3	3	1	1	1	1	3	1	4	10	.	.	.	2	UNKN	.	M	3/14/80	069
NEDA060	07	3	3	1	1	1	1	3	1	4	10	.	.	.	5	UNKN	.	M	3/14/80	069
NEDA061	06	*	3	1	1	1	1	3	3	1	10	.	.	.	2	QTRN	.	M	3/14/80	069
NEDA062	06	1	3	1	1	1	1	3	1	2	5	.	.	.	2	QTRN	.	M	3/15/80	001
NEDA063	07	2	3	1	1	1	1	3	1	3	10	.	.	.	2	QTRN	.	M	3/15/80	001
NEDB001	06	4	3	1	1	1	1	3	2	2	10	.	.	.	5	JRSS	.	M	3/12/80	016
NEDB002	06	4	3	1	1	1	1	3	2	3	10	.	.	.	5	JRSS	.	M	3/12/80	016
NEDB003	06	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/12/80	016
NEDB004	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	016
NEDB005	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	016
NEDB006	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	016
NEDB007	06	4	3	1	1	1	1	3	2	4	10	.	.	.	5	JRSS	.	M	3/12/80	016
NEDB008	06	4	3	1	1	1	1	3	2	4	10	.	.	.	5	JRSS	.	M	3/12/80	016
NEDB009	07	5	2	1	1	1	1	3	2	3	10	.	.	.	2	PRCM	.	M	3/12/80	016
NEDB010	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	016
NEDB011	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	016
NEDB012	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	016
NEDB013	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/12/80	016
NEDB014	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	016
NEDB015	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	016
NEDB016	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	016
NEDB017	06	4	3	1	1	1	1	3	2	2	10	.	.	.	2	JRSS	.	M	3/12/80	016
NEDB018	07	4	3	1	1	1	1	3	2	2	10	.	.	.	2	JRSS	.	M	3/12/80	016
NEDB019	07	4	3	1	1	1	1	3	2	2	10	.	.	.	2	JRSS	.	M	3/12/80	016
NEDB020	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	016
NEDB021	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/12/80	016
NEDB022	07	4	3	1	1	1	1	3	1	2	10	.	.	.	2	JRSS	.	M	3/13/80	016
NEDB023	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB024	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB025	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB026	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	SAMPLE TYPE	ROCK TYPE	SEDIMENT	STRWIDT	STRDEPT	STRFLOW	STRLEVE	VEGETYPE	VEGDENS	RELIEF	COMPOSIT	CONTAMN1	CONTAMN2	CONTAMN3	CONTAMN4	FRMAT	ODOR	WATERTEMP	SAMPDATE	TEAM
NEDB027	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB028	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB029	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB030	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB031	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB032	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB033	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB034	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB035	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB036	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB037	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB038	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB039	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB040	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB041	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/13/80	016
NEDB042	07	4	2	1	1	1	1	3	2	3	10	.	.	.	2	JRSS	.	M	3/13/80	016
NEDB043	07	4	2	1	1	1	1	3	2	3	10	.	.	.	2	JRSS	.	M	3/14/80	016
NEDB044	08	4	2	1	1	1	1	3	1	4	10	.	.	.	5	JRSS	.	M	3/14/80	016
NEDB045	06	4	3	1	1	1	1	3	1	3	10	.	.	.	5	JRSS	.	M	3/14/80	016
NEDC001	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC002	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC003	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC004	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC005	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC006	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC007	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC008	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/14/80	016
NEDC009	07	*	3	1	1	1	1	3	2	1	10	.	.	.	8	QTRN	.	M	3/14/80	016
NEDC010	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC011	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC012	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC013	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC014	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC015	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC016	07	4	3	1	1	1	1	3	2	1	10	.	.	.	2	UNKN	.	M	3/14/80	016
NEDC017	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC018	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC019	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC020	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC021	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC022	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC023	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC024	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC025	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/14/80	016
NEDC026	06	4	3	1	1	1	1	3	1	3	5	.	.	.	2	UNKN	.	M	3/16/80	001
NEDC027	06	4	3	1	1	1	1	3	1	2	5	.	.	.	2	UNKN	.	M	3/16/80	001
NEDC028	06	4	3	1	1	1	1	3	1	3	5	.	.	.	2	UNKN	.	M	3/16/80	001
NEDC029	06	4	3	1	1	1	1	3	1	3	5	.	.	.	2	UNKN	.	M	3/16/80	001
NEDC030	06	4	3	1	1	1	1	3	1	2	5	.	.	.	2	UNKN	.	M	3/16/80	001
NEDC031	06	4	3	1	1	1	1	3	1	3	5	.	.	.	2	UNKN	.	M	3/16/80	001



SRL I.D.	S	R	S	S	S	S	V	V	R	C	C	C	C	F	O	W	SAMPDATE	TEAM
*****	A	O	E	T	T	T	E	E	E	O	O	O	O	R	D	A		
*****	M	C	D	R	R	R	G	G	L	M	N	N	N	M	O	T		
*****	P	K	S	H	D	F	T	D	I	P	T	T	T	A	R	R		
*****	T	T	I	I	E	L	Y	E	E	O	A	A	A	T	T	T		
*****	Y	Y	Z	D	P	W	P	E	S	S	M	M	M	I	O	E		
*****	P	P	E	T	H	H	H	N	I	I	N	N	N	O	N	M		
*****	E	E	E	H	H	H	L	S	1	3	5	5	5	N	M	P		
NEDC032	06	4	3	1	1	1	1	3	1	3	5	5	2	UNKN	.	M	3/16/80	001
NEDC033	06	4	3	1	1	1	1	3	1	3	5	5	2	UNKN	.	M	3/16/80	001
NEDC034	06	4	3	1	1	1	1	3	1	2	5	5	2	UNKN	.	M	3/16/80	001
NEDC035	06	4	3	1	1	1	1	3	1	3	5	5	2	UNKN	.	M	3/16/80	001
NEDC036	06	4	3	1	1	1	1	3	1	3	5	5	2	UNKN	.	M	3/16/80	001
NEDC037	06	4	3	1	1	1	1	3	1	3	5	5	2	UNKN	.	M	3/16/80	001
NEDC038	06	4	3	1	1	1	1	3	1	2	5	5	2	UNKN	.	M	3/16/80	001
NEDD001	07	.	3	1	1	1	1	3	1	1	10	10	6	QTRN	.	M	3/ 6/80	092
NEDD002	07	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD003	07	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	2/ 6/80	092
NEDD004	07	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	2/ 6/80	092
NEDD005	07	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD006	07	.	3	1	1	1	1	3	1	3	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD007	07	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD008	07	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD009	07	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD010	07	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD011	07	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD012	07	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	2/ 6/80	092
NEDD013	01	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD014	01	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD015	06	2	2	1	1	1	1	3	2	3	10	10	2	UNKN	.	M	3/ 6/80	092
NEDD016	06	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD017	06	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD018	06	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 6/80	092
NEDD019	07	.	3	1	1	1	1	3	2	1	10	10	6	QTRN	.	M	3/ 6/80	092
NEDD020	07	.	3	1	1	1	1	3	2	1	10	10	6	QTRN	.	M	3/ 6/80	092
NEDD021	07	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 7/80	092
NEDD022	07	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 7/80	092
NEDD023	07	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 7/80	092
NEDD024	07	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 7/80	092
NEDD025	07	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 7/80	092
NEDD026	07	.	2	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 7/80	092
NEDD027	07	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 7/80	092
NEDD028	07	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 7/80	092
NEDD029	07	.	3	1	1	1	1	3	2	1	10	10	6	QTRN	.	M	3/ 7/80	092
NEDD030	07	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 7/80	092
NEDD031	06	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 7/80	092
NEDD032	07	.	3	1	1	1	1	3	1	1	10	10	6	QTRN	.	M	3/ 7/80	092
NEDD033	06	4	3	1	1	1	1	3	2	2	10	10	2	UNKN	.	M	3/ 7/80	092
NEDD034	07	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 7/80	092
NEDD035	06	.	3	1	1	1	1	3	1	1	10	10	2	QTRN	.	M	3/ 7/80	092
NEDD036	07	4	3	1	1	1	1	3	2	1	10	10	2	UNKN	.	M	3/ 7/80	092
NEDD037	07	4	3	1	1	1	1	3	2	1	10	10	2	UNKN	.	M	3/ 7/80	092
NEDD038	07	4	3	1	1	1	1	3	2	2	10	10	2	UNKN	.	M	3/ 7/80	092
NEDD039	06	.	3	1	1	1	1	3	2	1	10	10	2	UNKN	.	M	3/ 8/80	092
NEDD040	06	4	3	1	1	1	1	3	2	2	10	10	2	UNKN	.	M	3/ 8/80	092
NEDD041	07	.	3	1	1	1	1	3	2	1	10	10	3	QTRN	.	M	3/ 8/80	092
NEDD042	06	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 8/80	092
NEDD043	07	.	3	1	1	1	1	3	2	1	10	10	2	QTRN	.	M	3/ 8/80	092

SRL I.D.	S	R	S	S	S	S	V	V	R	C	C	C	C	F	O	W	SAMPDATE	TEAM
*****	A	O	E	T	T	T	E	E	E	O	O	O	O	R	D	A		
*****	M	C	D	R	R	R	G	G	L	M	N	N	N	M	O	T		
*****	P																	
*****	T	T	I	I	I	I	Y	E	F	S	M	M	M	O		E		
*****	Y	Y	Z	D	T	L	P	N			N	N	N	N		M		
*****	E	E	E	H	H	L	E	S			1	2	3	4		P		
NEDD044	07	*	3	1	1	1	3	1	1	10	.	.	.	6	QTRN	M	3/ 8/80	092
NEDD045	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 8/80	092
NEDD046	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 8/80	092
NEDD047	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 8/80	092
NEDD048	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 8/80	092
NEDD049	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 8/80	092
NEDD050	07	*	3	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/ 8/80	092
NEDD051	01	*	3	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/ 8/80	092
NEDD052	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 8/80	092
NEDD053	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 8/80	092
NEDD054	01	*	3	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/10/80	092
NEDD055	01	*	3	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/10/80	092
NEDD056	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/10/80	092
NEDD057	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/10/80	092
NEDD058	07	*	2	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/10/80	092
NEDD059	07	*	3	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/10/80	092
NEDD060	07	5	2	1	1	1	3	1	1	10	.	.	.	2	UNKN	M	3/10/80	092
NEDD061	07	*	3	1	1	1	3	2	2	10	.	.	.	2	QTRN	M	3/11/80	092
NEDD062	07	*	3	1	1	1	3	1	2	10	.	.	.	2	UNKN	M	3/11/80	092
NEDE001	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE002	07	*	3	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE003	07	*	3	1	1	1	3	2	2	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE004	06	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE005	06	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE006	06	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE007	06	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE008	06	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE009	07	*	3	1	1	1	3	1	2	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE010	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE011	07	*	3	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE012	07	*	3	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE013	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE014	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE015	06	*	3	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE016	06	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE017	06	*	3	1	1	1	3	2	1	10	.	.	.	1	QTRN	M	3/ 6/80	069
NEDE018	06	*	3	1	1	1	3	2	1	10	.	.	.	1	QTRN	M	3/ 6/80	069
NEDE019	06	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE020	06	*	3	1	1	1	3	1	1	10	.	.	.	2	QTRN	M	3/ 6/80	069
NEDE021	06	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 7/80	069
NEDE022	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 7/80	069
NEDE023	06	5	3	1	1	1	3	2	2	10	.	.	.	2	UNKN	M	3/ 7/80	069
NEDE024	06	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 7/80	069
NEDE025	06	5	3	1	1	1	3	1	4	10	.	.	.	5	UNKN	M	3/ 6/80	069
NEDE026	06	5	3	1	1	1	3	1	4	10	.	.	.	5	UNKN	M	3/ 7/80	069
NEDE027	06	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 7/80	069
NEDE028	06	*	3	1	1	1	3	3	1	10	.	.	.	2	QTRN	M	3/ 7/80	069
NEDE029	06	*	3	1	1	1	3	3	1	10	.	.	.	2	QTRN	M	3/ 7/80	069
NEDE030	06	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 7/80	069
NEDE031	07	*	3	1	1	1	3	2	1	10	.	.	.	2	QTRN	M	3/ 7/80	069

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S A M P L E	R O C K T Y P E	S E D S I Z E	S T R W I D T H	S T R D E P T H	S T R F L O W	S T R L E V E L	V E G E T Y P E	V E G E D E N S	R E L I E F	C O M P O S I T	C O N T A M I N	C O N T A M I N	C O N T A M I N	C O N T A M I N	F R A C T I O N	O D O R	W A T E R T E M P	SAMPDATE	TEAM
NEDE032	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 7/80	069
NEDE033	07	3	3	1	1	1	1	3	3	4	10	.	.	.	2	UNKN	.	M	3/ 7/80	069
NEDE034	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE035	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE036	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE037	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE038	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE039	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE040	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE041	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE042	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE043	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE044	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE045	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE046	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE047	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE048	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE049	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE050	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE051	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE052	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE053	06	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	3/ 6/80	093
NEDE054	06	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE055	06	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE056	07	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE057	06	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE058	06	*	3	1	1	1	1	3	1	3	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE059	06	*	3	1	1	1	1	3	1	3	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE060	06	*	3	1	1	1	1	3	1	3	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE061	06	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE062	06	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE063	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE064	06	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE065	06	*	3	1	1	1	1	3	1	3	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE066	06	*	3	1	1	1	1	3	1	4	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE067	06	*	3	1	1	1	1	3	1	3	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE068	06	*	3	1	1	1	1	3	1	3	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDE069	06	*	3	1	1	1	1	3	1	2	10	.	.	.	2	QTRN	.	M	3/ 7/80	093
NEDF001	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 7/80	091
NEDF002	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 7/80	091
NEDF003	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 7/80	091
NEDF004	07	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 7/80	091
NEDF005	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 7/80	091
NEDF006	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 7/80	091
NEDF007	06	*	3	1	1	1	1	3	2	1	10	.	.	.	2	QTRN	.	M	3/ 7/80	091
NEDF008	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 7/80	091
NEDF009	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	091
NEDF010	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	091
NEDF011	06	3	3	1	1	1	1	3	1	3	10	.	.	.	5	UNKN	.	M	3/ 8/80	091
NEDF012	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	091

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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***** ***** SRL I.D. ***** ***** ***** ***** *****	S A M P L E	R O C K T Y P E	S E D S I Z E	S T R U C T U R E	S T R U C T U R E	S T R U C T U R E	S T R U C T U R E	V E G E T A T I O N	V E G E T A T I O N	R E L I E F I T	C O M P O S I T	C O N T A M I N T	C O N T A M I N T	C O N T A M I N T	C O N T A M I N T	F R A C T I O N	O R D E R	H A T R I E M P	SAMPDATE	TEAM
NEDF013	06	*	3	1	1	1	1	3	1	2	10	.	.	.	5	QTRN	.	M	3/ 8/80	091
NEDF014	06	3	3	1	1	1	1	3	1	2	10	.	.	.	5	UNKN	.	M	3/ 8/80	091
NEDF015	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	091
NEDF016	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	091
NEDF017	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	091
NEDF018	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	091
NEDF019	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	091
NEDF020	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	091
NEDF021	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	091
NEDF022	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	091
NEDF023	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/ 8/80	091
NEDF024	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF025	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF026	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF027	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF028	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF029	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF030	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF031	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	.	M	3/10/80	091
NEDF032	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF033	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF034	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF035	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF036	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF037	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF038	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF039	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF040	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF041	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF042	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF043	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	091
NEDF044	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	.	M	3/10/80	091
NEDF045	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	.	M	3/10/80	091
NEDF046	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	UNKN	.	M	3/10/80	091
NEDF047	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF048	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF049	06	9	3	1	1	1	1	3	1	3	10	.	.	.	2	UNKN	.	M	3/10/80	080
NEDF050	06	5	3	1	1	1	1	3	1	4	10	.	.	.	2	UNKN	.	M	3/10/80	080
NEDF051	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF052	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF053	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF054	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF055	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF056	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF057	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF058	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF059	07	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF060	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF061	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080
NEDF062	06	*	3	1	1	1	1	3	1	1	10	.	.	.	2	QTRN	.	M	3/10/80	080

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S	R	S	S	S	S	V	V	R	C	C	C	C	C	F	O	H	SAHPDATE	TEAM	
	A	O	E	T	T	T	E	E	E	O	C	C	C	C	R	D	A			
	M	C	D	R	R	R	G	G	L	M	O	O	O	O	R	O	T			
	P	K	S	W	D	F	T	D	I	P	N	N	N	N	A	R	R			
	T	T	I	I	E	L	Y	E	E	O	A	A	A	A	T		T			
	Y	Y	Z	D	P	W	P	S	F	S	M	M	M	M	I		E			
	P	P	E	T	T	H	E	S	I	I	N	N	N	N	O		M			
	E	E	H	H	H	L			T	T	1	2	3	4	N		P			
NEDF063	06	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/10/80	080	
NEDF064	06	*	3	1	1	1	1	3	1	1	10	.	.	2	QTRN	.	M	3/10/80	080	
NEDG001	06	*	2	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG002	06	*	2	1	1	1	1	3	1	1	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG003	06	*	2	1	1	1	1	3	1	3	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG003	06	*	2	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG005	06	*	2	1	1	1	1	3	2	3	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG006	06	*	2	1	1	1	1	3	1	3	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG007	06	*	2	1	1	1	1	3	1	3	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG008	06	*	2	1	1	1	1	3	2	2	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG009	06	*	2	1	1	1	1	3	2	2	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG010	06	*	2	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG011	06	*	2	1	1	1	1	3	1	3	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG012	06	*	2	1	1	1	1	3	1	2	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG013	07	*	2	1	1	1	1	3	1	1	10	.	.	8	QTRN	.	M	3/7/80	081	
NEDG014	07	*	2	1	1	1	1	3	1	2	10	.	.	8	QTRN	.	M	3/7/80	081	
NEDG015	06	*	2	1	1	1	1	3	1	2	10	.	.	8	QTRN	.	M	3/7/80	081	
NEDG016	06	*	2	1	1	1	1	3	1	2	10	.	.	8	QTRN	.	M	3/7/80	081	
NEDG017	06	*	2	1	1	1	1	3	2	1	10	.	.	5	8	QTRN	.	M	3/7/80	081
NEDG018	06	*	2	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M	3/7/80	081	
NEDG019	07	*	2	1	1	1	1	3	1	1	10	.	.	8	QTRN	.	M	3/7/80	081	
NEDG020	06	*	2	1	1	1	1	3	1	2	10	.	.	8	QTRN	.	M	3/7/80	081	
NEDG021	06	*	2	1	1	1	1	3	1	2	10	.	.	8	QTRN	.	M	3/7/80	081	
NEDG022	07	*	2	1	1	1	1	3	1	2	10	.	.	8	QTRN	.	M	3/7/80	081	
NEDG023	06	*	2	1	1	1	1	3	1	2	10	.	.	8	QTRN	.	M	3/7/80	081	
NEDH001	07	8	3	1	1	1	1	3	2	3	10	.	.	2	UNKN	.	M	3/5/80	016	
NEDH002	07	*	3	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M	3/5/80	016	
NEDH003	06	*	3	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M	3/5/80	016	
NEDH004	06	*	3	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M	3/5/80	016	
NEDH005	07	3	3	1	1	1	1	3	2	2	10	.	.	8	TRTR	.	M	3/5/80	016	
NEDH006	07	3	3	1	1	1	1	3	2	1	10	.	.	8	UNKN	.	M	3/5/80	016	
NEDH007	07	*	3	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M	3/5/80	016	
NEDH008	06	5	3	1	1	1	1	3	2	4	10	.	.	5	UNKN	.	M	3/5/80	016	
NEDH009	07	5	3	1	1	1	1	3	2	2	10	.	.	5	UNKN	.	M	3/5/80	016	
NEDH010	06	7	3	1	1	1	1	3	2	2	10	.	.	8	UNKN	.	M	3/5/80	016	
NEDH011	07	3	1	1	1	1	1	3	2	2	10	.	.	2	TRTR	.	M	3/5/80	016	
NEDH012	06	3	3	1	1	1	1	3	2	3	10	.	.	2	TRTR	.	M	3/5/80	016	
NEDH013	06	3	3	1	1	1	1	3	2	2	10	.	.	2	TRTR	.	M	3/5/80	016	
NEDH014	06	5	3	1	1	1	1	3	2	3	10	.	.	5	UNKN	.	M	3/5/80	016	
NEDH015	07	5	3	1	1	1	1	3	2	3	10	.	.	8	UNKN	.	M	3/5/80	016	
NEDH016	08	5	2	1	1	1	1	3	2	3	10	.	.	8	UNKN	.	M	3/5/80	016	
NEDH017	06	*	3	1	1	1	1	3	2	1	10	.	.	8	QTRN	.	M	3/5/80	016	
NEDH018	07	7	2	1	1	1	1	3	2	2	10	.	.	2	UNKN	.	M	3/5/80	016	
NEDH019	07	*	3	1	1	1	1	3	2	2	10	.	.	8	QTRN	.	M	3/5/80	016	
NEDH020	07	7	3	1	1	1	1	3	2	2	10	.	.	8	UNKN	.	M	3/5/80	016	
NEDH021	07	7	3	1	1	1	1	3	2	1	10	.	.	8	UNKN	.	M	3/5/80	016	
NEDH022	07	5	3	1	1	1	1	3	2	2	10	.	.	2	UNKN	.	M	3/5/80	016	
NEDH023	07	*	3	1	1	1	1	3	2	2	10	.	.	2	QTRN	.	M	3/5/80	016	
NEDH024	06	3	3	1	1	1	1	3	2	3	10	.	.	2	TRTR	.	M	3/6/80	016	
NEDH025	08	5	2	1	1	1	1	3	2	3	10	.	.	5	UNKN	.	M	3/6/80	016	

TABLE B-3 SUPPLEMENTARY FIELD AND ANALYTICAL DATA-----

NEEDLES 1 X 2 DEGREE SHEET

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SRL I.D.	S	R	S	S	S	S	V	V	R	C	C	C	C	C	F	O	W	SAMPDATE	TEAM	
	A	O	E	T	T	T	E	E	E	O	O	O	O	O	R	D	A			
	M	C	D	R	R	R	G	G	L	H	N	N	N	N	M	O	T			
	P	K	S	W	D	F	T	D	I	P	T	T	T	T	A	R	R			
	Y	T	I	I	E	L	Y	E	E	O	A	A	A	A	T		E			
	P	Y	Z	D	P	L	P	S	F	S	M	M	M	M	I		M			
	E	P	E	T	T	W	E			I	N	N	N	N	O		P			
				H	H	H	L			T	1	2	3	4	N					
NEDH026	06	7	3	1	1	1	1	3	2	2	10	.	.	.	2	UNKN	.	M	3/ 6/80	016
NEDH027	07	4	2	1	1	1	1	3	2	2	10	.	.	.	5	UNKN	.	M	3/ 6/80	016
NEDH028	06	5	2	1	1	1	1	3	2	2	10	.	.	.	5	UNKN	.	M	3/ 6/80	016
NEDH029	07	5	2	1	1	1	1	3	2	2	10	.	.	.	5	UNKN	.	M	3/ 6/80	016
NEDH030	07	5	2	1	1	1	1	3	2	2	10	.	.	.	5	UNKN	.	M	3/ 6/80	016
NEDH031	07	7	3	1	1	1	1	3	2	2	10	.	.	.	8	UNKN	.	M	3/ 6/80	016
NEDH032	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 6/80	016
NEDH033	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 6/80	016
NEDH034	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 6/80	016
NEDH035	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 6/80	016
NEDH036	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 6/80	016
NEDH037	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 6/80	016
NEDH038	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 6/80	080
NEDH039	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 6/80	080
NEDH040	07	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	3/ 6/80	080
NEDH041	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 6/80	080
NEDH042	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 6/80	080
NEDH043	07	*	3	1	1	1	1	3	2	2	10	.	.	.	2	QTRN	.	M	3/ 6/80	080
NEDH044	06	5	3	1	1	1	1	3	2	2	10	.	.	.	8	UNKN	.	M	3/ 8/80	016
NEDH045	06	5	3	1	1	1	1	3	2	2	10	.	.	.	8	UNKN	.	M	3/ 8/80	016
NEDH046	06	*	3	1	1	1	1	3	2	2	10	.	.	5	8	QTRN	.	M	3/ 8/80	016
NEDH047	07	*	3	1	1	1	1	3	2	2	10	.	.	.	8	QTRN	.	M	3/ 8/80	016

## STATISTICAL SUMMARY FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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VARIABLE	N	MEAN	MINIMUM VALUE	MAXIMUM VALUE	STANDARD DEVIATION
U	1552	3.7419459	0.10000000	33.900000	2.6422983
TH	1672	16.0616029	-2.00000000	315.000000	19.4728545
HF	1672	17.4055024	-2.00000000	307.000000	18.5676351
CE	1627	77.3650891	-10.00000000	931.000000	57.7016180
FE	1580	32210.3797468	2500.00000000	245700.000000	19127.5623486
MN	1672	494.4138756	-20.00000000	3460.000000	295.2993244
NA	1648	12603.7621359	-100.00000000	79400.000000	7085.7603974
SC	1655	8.6264653	-0.70000000	23.900000	3.5698608
TI	1645	3593.4346505	-500.00000000	39000.000000	2840.1866194
V	1615	66.5386997	-10.00000000	500.000000	45.5678160
AL	1672	42060.1674641	-500.00000000	89500.000000	12743.9899625
DY	1175	1.8080851	0.10000000	44.500000	2.6201800
EU	1672	0.2797249	-1.00000000	9.800000	1.3715592
LA	1672	42.4545455	-5.00000000	1159.000000	60.6756322
SM	1662	7.8694344	-2.00000000	131.000000	6.0517867
YB	1653	1.9374592	-1.00000000	62.700000	3.9086101
LU	1356	0.5143805	-0.10000000	8.600000	0.4388593
ALK	0	.	.	.	.
COND	0	.	.	.	.
PH	0	.	.	.	.
SCINT	1671	46.1514063	5.00000000	200.000000	23.0793048

GENERAL LINEAR MODEL FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

104

GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE INFORMATION

NUMBER OF OBSERVATIONS IN DATA SET = 1672

NOTE: ALL DEPENDENT VARIABLES ARE CONSISTENT WITH RESPECT TO THE PRESENCE OR ABSENCE OF MISSING VALUES. HOWEVER, ONLY 1437 OBSERVATIONS IN DATA SET CAN BE USED IN THIS ANALYSIS.



## GENERAL LINEAR MODEL FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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## GENERAL LINEAR MODELS PROCEDURE

DEPENDENT VARIABLE: U

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PR > F	R-SQUARE	C.V.
MODEL	6	36.26406674	6.04401112	531.52	0.0001	0.690418	20.3814
ERROR	1430	16.26072225	0.01137113		STD DEV		U MEAN
CORRECTED TOTAL	1436	52.52478899			0.10663552		0.52320025

SOURCE	DF	TYPE I SS	F VALUE	PR > F	DF	TYPE IV SS	F VALUE	PR > F
TH	1	28.28472995	2487.41	0.0001	1	11.92488417	1048.70	0.0001
HF	1	4.79953945	422.08	0.0001	1	3.17621955	279.32	0.0001
MN	1	1.14748894	100.91	0.0001	1	0.10053602	8.84	0.0030
TI	1	0.82983187	72.98	0.0001	1	0.39753027	34.96	0.0001
NA	1	1.12171351	98.65	0.0001	1	1.04508490	91.91	0.0001
SCINT	1	0.08076301	7.10	0.0078	1	0.08076301	7.10	0.0078

PARAMETER	ESTIMATE	T FOR HO: PARAMETER=0	PR >  T	STD ERROR OF ESTIMATE
INTERCEPT	0.77495939	11.03	0.0001	0.07029043
TH	0.49812331	32.38	0.0001	0.01538196
HF	0.23485077	16.71	0.0001	0.01405202
MN	-0.06578541	-2.97	0.0030	0.02212436
TI	-0.08699413	-5.91	0.0001	0.01471319
NA	-0.15421893	-9.59	0.0001	0.01608658
SCINT	0.00033104	2.67	0.0078	0.00012422



## CORRELATIONS FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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## COVARIANCE MATRIX

	DY	EU	YB	LU	SCINT
TI	0.026123	0.101043	.0326494	.0341444	0.127539
LA	.0165898	.0519445	.0255317	.0322587	-0.00841
V	.0122136	.0703933	.0267965	.0300162	0.395404
CE	.0259907	.0793759	.0319803	0.037027	0.152277
NA	-.004792	.0456217	.0077989	.0068333	-.214832
SC	.0132063	.0190137	.0102749	.0124127	0.625768
SM	0.760311	2.05826	0.869136	0.856274	1.47314
DY	0.199648	.0459503	.0314198	.0335486	0.634099
EU	.0459503	1.88117	.0936559	0.087084	0.501529
YB	.0314198	.0936559	.0535616	.0425186	0.314189
LU	.0335486	0.087084	.0425186	.0596927	0.258819
SCINT	0.634099	0.501529	0.314189	0.258819	532.654

## CORRELATION COEFFICIENTS / PROB &gt; |R| UNDER H0:RHO=0 / NUMBER OF OBSERVATIONS

	U	TH	HF	FE	AL	MN	TI	LA	V	CE	NA	SC	SM
U	1.00000 0.0000 1552	0.73095 0.0001 1532	0.67518 0.0001 1515	0.43043 0.0001 1522	-0.02207 0.3862 1544	0.23108 0.0001 1539	0.20559 0.0001 1515	0.47271 0.0001 1372	0.31182 0.0001 1540	0.54733 0.0001 1487	0.09150 0.0004 1498	0.32185 0.0001 1545	0.39332 0.0001 1549
TH	0.73095 0.0001 1532	1.00000 0.0000 1594	0.57756 0.0001 1565	0.60764 0.0001 1574	0.21319 0.0001 1586	0.43340 0.0001 1579	0.45401 0.0001 1552	0.71367 0.0001 1427	0.50773 0.0001 1581	0.76055 0.0001 1539	0.32383 0.0001 1532	0.23119 0.0001 1588	0.57555 0.0001 1594
HF	0.67518 0.0001 1515	0.57756 0.0001 1565	1.00000 0.0000 1575	0.53061 0.0001 1556	-0.09693 0.0001 1570	0.31766 0.0001 1563	0.34450 0.0001 1535	0.47246 0.0001 1407	0.42370 0.0001 1566	0.57653 0.0001 1524	-0.07808 0.0023 1516	0.45950 0.0001 1570	0.44233 0.0001 1575
FE	0.43043 0.0001 1522	0.60764 0.0001 1574	0.53061 0.0001 1556	1.00000 0.0000 1580	0.11600 0.0001 1577	0.75315 0.0001 1571	0.65470 0.0001 1543	0.58442 0.0001 1427	0.82031 0.0001 1573	0.65890 0.0001 1534	0.15421 0.0001 1522	0.40380 0.0001 1579	0.49458 0.0001 1580
AL	-0.02207 0.3862 1544	0.21319 0.0001 1586	-0.09693 0.0001 1570	0.11600 0.0001 1577	1.00000 0.0000 1611	0.23367 0.0001 1595	0.23414 0.0001 1567	0.24349 0.0001 1429	0.21224 0.0001 1599	0.21928 0.0001 1539	0.64928 0.0001 1548	0.15098 0.0001 1602	0.16351 0.0001 1608
MN	0.23108 0.0001 1539	0.43340 0.0001 1579	0.31766 0.0001 1563	0.75315 0.0001 1571	0.23367 0.0001 1595	1.00000 0.0000 1599	0.66216 0.0001 1564	0.48856 0.0001 1421	0.77084 0.0001 1592	0.50825 0.0001 1534	0.24004 0.0001 1548	0.31964 0.0001 1595	0.43730 0.0001 1596



## CORRELATIONS FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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CORRELATION COEFFICIENTS / PROB &gt; IRI UNDER H0:RHO=0 / NUMBER OF OBSERVATIONS

	DY	EU	YB	LU	SCINT
TH	0.24147 0.0001 1163	0.18896 0.0001 1594	0.62704 0.0001 884	0.70274 0.0001 1351	0.07520 0.0027 1593
HF	0.33129 0.0001 1153	0.11837 0.0001 1575	0.50741 0.0001 871	0.59269 0.0001 1335	-0.00291 0.9081 1574
FE	0.21825 0.0001 1161	0.24408 0.0001 1580	0.59394 0.0001 883	0.62546 0.0001 1348	0.08169 0.0012 1579
AL	-0.14518 0.0001 1174	0.09608 0.0001 1611	0.06205 0.0652 884	0.05541 0.0416 1352	0.04236 0.0893 1610
MN	0.12190 0.0001 1171	0.25316 0.0001 1599	0.54371 0.0001 882	0.53399 0.0001 1346	0.05980 0.0168 1598
TI	0.20350 0.0001 1158	0.24340 0.0001 1569	0.47883 0.0001 866	0.46561 0.0001 1320	0.01879 0.4571 1568
LA	0.16615 0.0001 1076	0.17219 0.0001 1429	0.56374 0.0001 866	0.63557 0.0001 1257	-0.00169 0.9490 1428
V	0.11912 0.0001 1172	0.21413 0.0001 1599	0.49503 0.0001 882	0.51502 0.0001 1349	0.07328 0.0034 1598
CE	0.25645 0.0001 1137	0.25655 0.0001 1512	0.62557 0.0001 872	0.70149 0.0001 1331	0.02982 0.2421 1541
NA	-0.05336 0.0721 1137	0.14115 0.0001 1552	0.17473 0.0001 857	0.14290 0.0001 1304	-0.04049 0.1109 1551
SC	0.18038 0.0001 1175	0.06749 0.0067 1612	0.28585 0.0001 885	0.30883 0.0001 1353	0.13495 0.0001 1611
SM	0.27446 0.0001 1173	0.24788 0.0001 1662	0.57900 0.0001 885	0.58419 0.0001 1353	0.01055 0.6675 1661
DY	1.00000 0.0000 1175	0.07244 0.0130 1175	0.31067 0.0001 705	0.30946 0.0001 1014	0.06212 0.0332 1175

## CORRELATIONS FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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CORRELATION COEFFICIENTS / PROB &gt; |RI| UNDER H0:RHO=0 / NUMBER OF OBSERVATIONS

	DY	EU	YB	LU	SCINT
EU	0.07244 0.0130 1175	1.00000 0.0000 1672	0.28669 0.0001 885	0.25481 0.0001 1353	0.01584 0.5176 1671
YB	0.31067 0.0001 705	0.28669 0.0001 885	1.00000 0.0000 885	0.74969 0.0001 848	0.06184 0.0661 884
LU	0.30946 0.0001 1014	0.25481 0.0001 1353	0.74969 0.0001 848	1.00000 0.0000 1353	0.04732 0.0820 1352
SCINT	0.06212 0.0332 1175	0.01584 0.5176 1671	0.06184 0.0661 884	0.04732 0.0820 1352	1.00000 0.0000 1671

FACTOR ANALYSIS FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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INITIAL FACTOR METHOD: PRINCIPAL AXIS

CORRELATION MATRIX

PRIOR ESTIMATES OF COMMUNALITY SMC

U	TH	HF	FE	AL	MN	TI	LA	V
0.685268	0.788957	0.656878	0.797762	0.512294	0.694968	0.602279	0.658916	0.765334
CE	NA	SC	SM	DY	EU	LU	SCINT	
0.749018	0.534030	0.371026	0.485378	0.207564	0.120085	0.653630	0.059200	

	1	2	3	4	5	6	7	8	9
EIGENVALUES	6.672748	1.540421	1.013276	0.475968	0.235814	0.157040	0.127214	0.041929	-0.003121
PORTION	0.714	0.165	0.108	0.051	0.025	0.017	0.014	0.004	-0.000
CUM PORTION	0.714	0.879	0.988	1.039	1.064	1.081	1.094	1.099	1.098
	10	11	12	13	14	15	16	17	
EIGENVALUES	-0.045525	-0.052929	-0.080250	-0.088853	-0.106932	-0.153791	-0.179291	-0.211130	
PORTION	-0.005	-0.006	-0.009	-0.010	-0.011	-0.016	-0.019	-0.023	
CUM PORTION	1.093	1.088	1.079	1.070	1.058	1.042	1.023	1.000	

3 FACTORS WILL BE RETAINED.

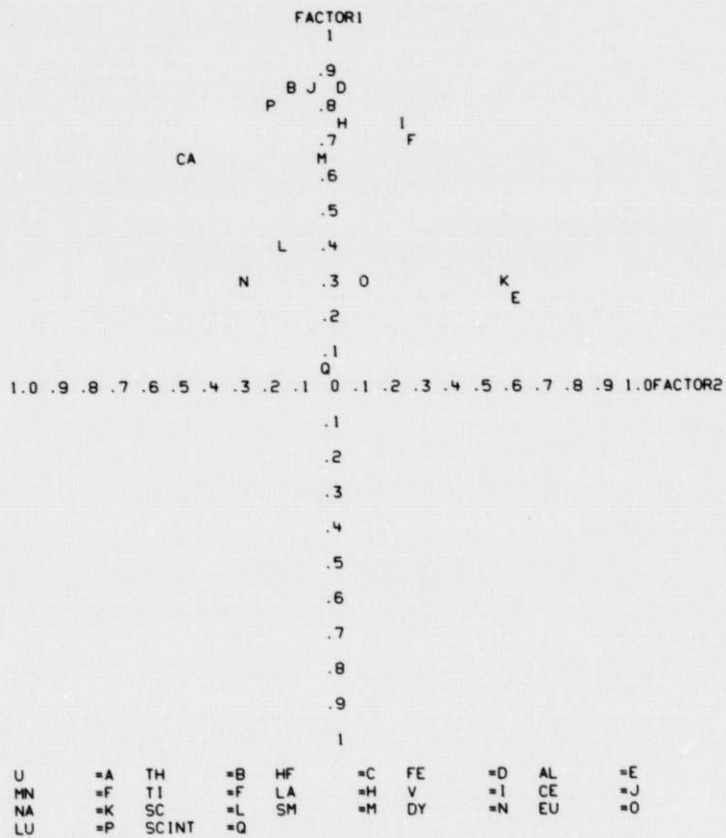
FACTOR PATTERN

	FACTOR1	FACTOR2	FACTOR3
U	0.63210	-0.44356	0.25988
TH	0.82886	-0.11447	0.32592
HF	0.66893	-0.46992	-0.02486
FE	0.84278	0.05461	-0.33887
AL	0.23673	0.61002	0.30698
MN	0.71630	0.29008	-0.36710
TI	0.67849	0.29379	-0.24320
LA	0.76908	0.04300	0.22785
V	0.76265	0.24844	-0.37899
CE	0.84761	-0.03500	0.20536
NA	0.31067	0.58863	0.38693
SC	0.39766	-0.13753	-0.15618
SM	0.66948	-0.03090	0.12915
DY	0.29982	-0.29356	-0.02534
EU	0.28058	0.10639	-0.03196
LU	0.79481	-0.18692	0.04857
SCINT	0.06470	-0.02445	-0.05826

FINAL COMMUNALITY ESTIMATES:

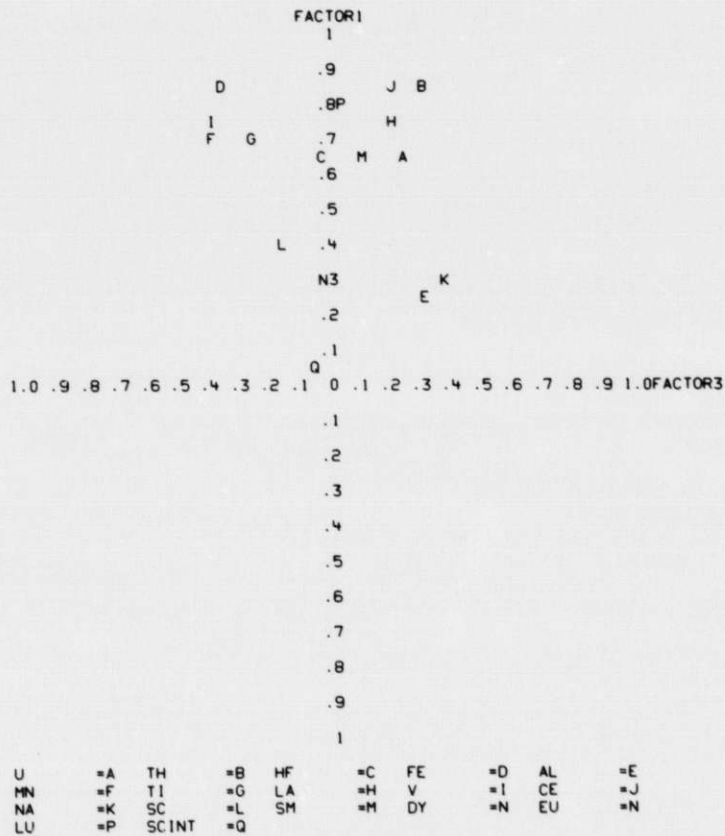
U	TH	HF	FE	AL	MN	TI	LA	V
0.663837	0.806345	0.668914	0.828091	0.522399	0.731990	0.605811	0.645247	0.786996
CE	NA	SC	SM	DY	EU	LU	SCINT	
0.761846	0.592706	0.201438	0.465844	0.176714	0.091068	0.669021	0.008179	

PLOT OF FACTOR1 WITH FACTOR2





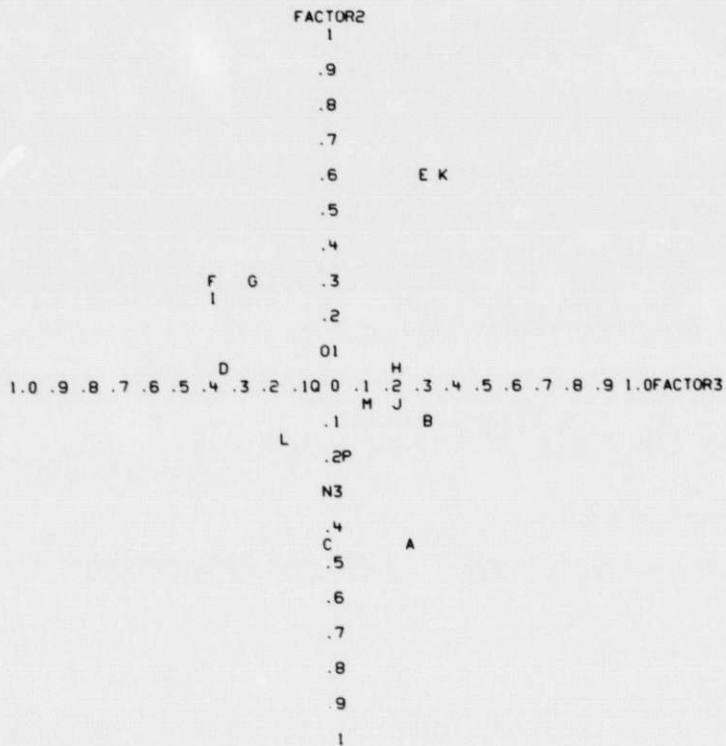
PLOT OF FACTOR1 WITH FACTOR3



FACTOR ANALYSIS FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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PLOT OF FACTOR2 WITH FACTOR3



U	=A	TH	=B	HF	=C	FE	=D	AL	=E
MN	=F	T1	=G	LA	=H	V	=I	CE	=J
NA	=K	SC	=L	SM	=M	DY	=N	EU	=O
LU	=P	SCINT	=Q						

FACTOR ANALYSIS FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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ROTATION METHOD: PROMAX

	VARIMAX ROTATED FACTOR MATRIX		
	FACTOR1	FACTOR2	FACTOR3
U	0.80803	0.04155	-0.09589
TH	0.79912	-0.30398	-0.27451
HF	0.72526	0.21383	-0.31175
FE	0.42869	-0.06463	-0.80008
AL	-0.02840	-0.71240	-0.11865
MN	0.19756	-0.20158	-0.80767
TI	0.22215	-0.26494	-0.69733
LA	0.62799	-0.35710	-0.35122
V	0.24834	-0.17390	-0.83372
CE	0.71706	-0.30301	-0.39479
NA	0.07104	-0.75948	-0.10413
SC	0.29268	0.09565	-0.32654
SM	0.55379	-0.21809	-0.33405
DY	0.36400	0.16900	-0.12513
EU	0.12985	-0.13648	-0.23576
LU	0.69368	-0.08175	-0.42560
SCINT	0.03449	0.03575	-0.07557

ORTHOGONAL ROTATION MATRIX

	1	2	3
1	0.71839	-0.25300	-0.64801
2	-0.54370	-0.78529	-0.29615
3	0.43395	-0.56507	0.70170

TARGET MATRIX FOR PROCRUSTEAN

	FACTOR1	FACTOR2	FACTOR3
U	1.00000	0.00014	-0.00194
TH	0.72253	-0.04041	-0.03396
HF	0.71489	0.01861	-0.06583
FE	0.10719	-0.00037	-0.80789
AL	-6.22E-05	-0.99741	-0.00526
MN	0.01262	-0.01362	-1.00000
TI	0.02384	-0.04108	-0.85480
LA	0.48986	-0.09151	-0.09936
V	0.02249	-0.00785	-0.98663
CE	0.56842	-0.04358	-0.10999
NA	0.00081	-1.00000	-0.00294
SC	0.28429	0.01008	-0.45779
SM	0.54764	-0.03398	-0.13936
DY	0.66560	0.06767	-0.03135
EU	0.08168	-0.09634	-0.56676

FACTOR ANALYSIS FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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ROTATION METHOD: PROMAX

TARGET MATRIX FOR PROCRUSTEAN

	FACTOR1	FACTOR2	FACTOR3
LU	0.62536	-0.00104	-0.16746
SCINT	0.05686	0.06437	-0.69355

PROMAX ROTATED FACTOR PATTERN

	FACTOR1	FACTOR2	FACTOR3
U	0.91709	0.10353	0.17301
TH	0.81773	-0.23091	0.01428
HF	0.76228	0.32343	-0.14710
FE	0.22799	0.10422	-0.79579
AL	-0.13285	-0.73720	-0.03021
MN	-0.05659	-0.05188	-0.86585
TI	0.00388	-0.13891	-0.71297
LA	0.58725	-0.28168	-0.13158
V	-0.00356	-0.01491	-0.88343
CE	0.68143	-0.21134	-0.16081
NA	-0.01554	-0.78498	0.03181
SC	0.24107	0.17840	-0.30280
SM	0.51784	-0.14077	-0.16207
DY	0.39827	0.22205	-0.04674
EU	0.06145	-0.09409	-0.21290
LU	0.66231	0.02876	-0.24473
SCINT	0.01802	0.05408	-0.08459

PROMAX TRANSFORMATION MATRIX

	1	2	3
1	1.17046	0.05098	0.36596
2	0.08396	1.06423	-0.17282
3	0.33541	-0.18891	1.20468

INVERSE INTER-FACTOR CORRELATIONS

	FACTOR1	FACTOR2	FACTOR3
FACTOR1	1.48952	0.08566	0.81789
FACTOR2	0.08566	1.17088	-0.39284
FACTOR3	0.81789	-0.39284	1.61505

ROTATION METHOD: PROMAX

## INTERFACTOR CORRELATIONS

	FACTOR1	FACTOR2	FACTOR3
FACTOR1	1.00000	-0.26467	-0.57079
FACTOR2	-0.26467	1.00000	0.37727
FACTOR3	-0.57079	0.37727	1.00000

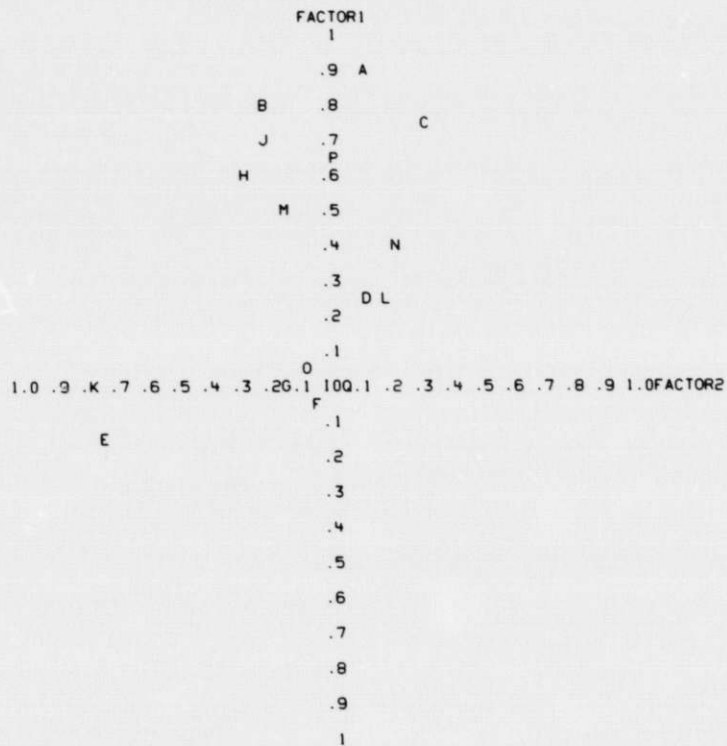
## FACTOR STRUCTURE MATRIX

	FACTOR1	FACTOR2	FACTOR3
U	0.79094	-0.07393	-0.31141
TH	0.87070	-0.44195	-0.53959
HF	0.76064	0.06618	-0.46018
FE	0.65464	-0.25635	-0.88661
AL	0.07951	-0.71343	-0.23250
MN	0.45136	-0.36357	-0.65312
TI	0.44761	-0.40892	-0.76759
LA	0.73690	-0.48674	-0.57304
V	0.50464	-0.34726	-0.88702
CE	0.82916	-0.45236	-0.62950
NA	0.17406	-0.76886	-0.25547
SC	0.36669	0.00035	-0.37310
SM	0.64760	-0.33896	-0.51075
DY	0.36618	0.09900	-0.19029
EU	0.20788	-0.19067	-0.28348
LU	0.79439	-0.23886	-0.61192
SCINT	0.05199	0.01740	-0.07447

FACTOR ANALYSIS FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

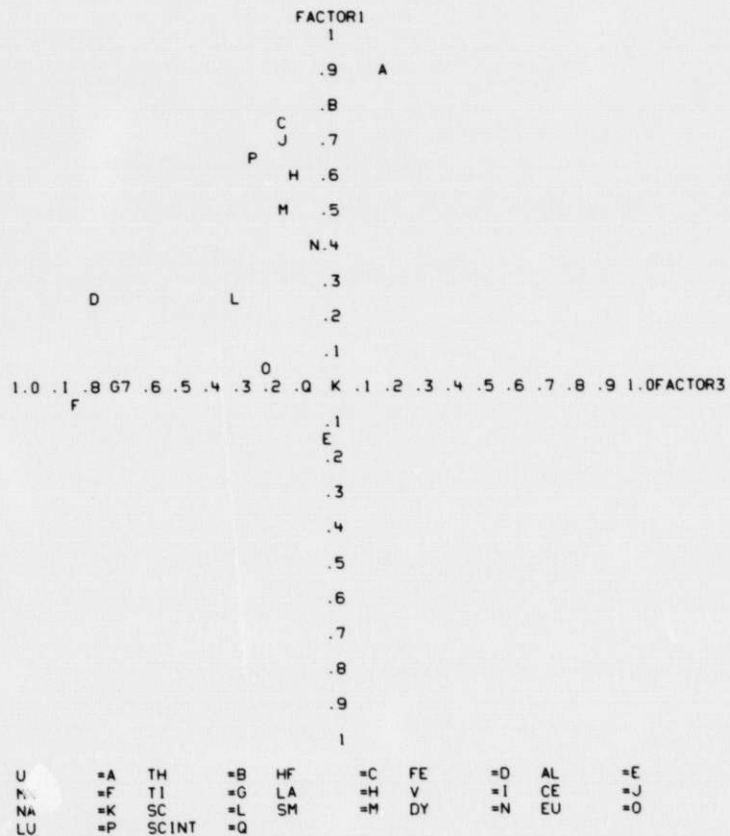
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PLOT OF FACTOR1 WITH FACTOR2



U	=A	TH	=B	HF	=C	FE	=D	AL	=E
MN	=F	TI	=G	LA	=H	V	=I	CE	=J
NA	=K	SC	=L	SM	=M	DY	=N	EU	=O
LU	=P	SCINT	=Q						

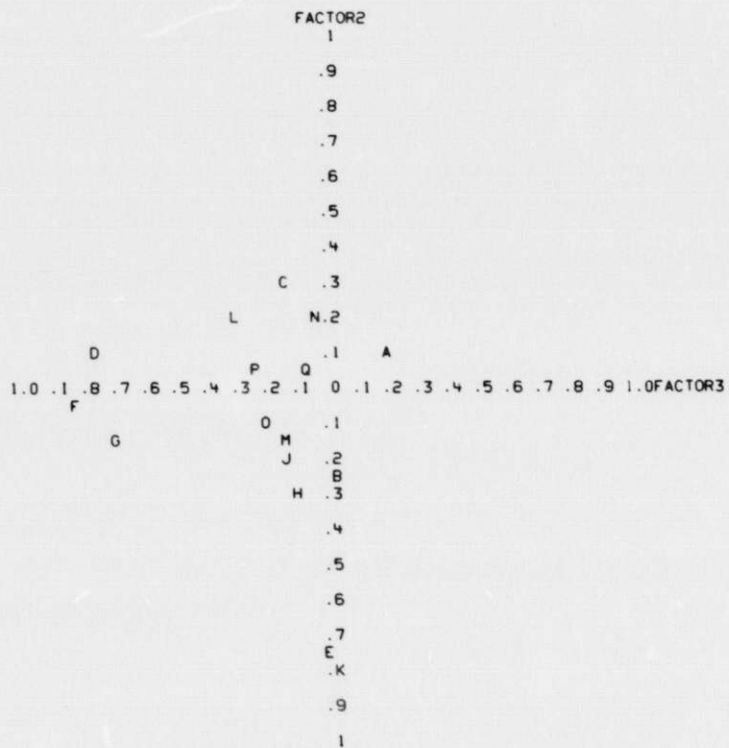
PLOT OF FACTOR1 WITH FACTORS



FACTOR ANALYSIS FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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PLOT OF FACTOR2 WITH FACTOR3



U	=A	TH	=B	HF	=C	FE	=D	AL	=E
MN	=F	TI	=G	LA	=H	V	=I	CE	=J
NA	=K	SC	=L	SM	=M	DY	=N	EU	=O
LU	=P	SCINT	=Q						



## SCORING COEFFICIENT MATRIX

	FACTOR1	FACTOR2	FACTOR3
U	0.19289	0.10961	0.07121
TH	0.27286	-0.25073	0.05176
HF	0.17165	0.21043	-0.03149
FE	0.04846	0.15176	-0.32197
AL	-0.02184	-0.29999	-0.02957
MN	-0.02011	-0.06243	-0.22817
TI	-0.00122	-0.07070	-0.13666
LA	0.09448	-0.14631	-0.01026
V	-0.05198	-0.06802	-0.29107
CE	0.19973	-0.17419	-0.03927
NA	-0.01615	-0.34682	-0.01050
SC	0.03227	0.02236	-0.02962
SM	0.07189	-0.04023	-0.02813
DY	0.04343	0.05397	-0.01285
EU	0.00410	-0.02579	-0.02172
LU	0.13433	0.04251	-0.06122
SCINT	-0.00024	0.02289	-0.00929

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U		LOG U	PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2			
NEAA001S1	34.8571	115.8237	.	.	.	0.2811	0.0991
NEAA002S1	34.8475	115.8544	1.3464	-1.348	-4.154	0.4817	0.0235
NEAA003S1	34.8781	115.8542	.	.	.	0.4612	0.0012
NEAA004S1	34.9055	115.8906	0.9503	-1.209	-3.651	0.4739	0.0702
NEAA005S1	34.9082	115.8544	1.4661	-1.702	-4.253	0.4569	-.0590
NEAA006S1	34.9037	115.8230	.	.	.	0.4136	-.0157
NEAA007S1	34.8769	115.8205	.	.	.	0.1833	0.1970
NEAA008S1	34.9382	115.8822	.	.	.	0.3887	-.0085
NEAA009S1	34.9357	115.8549	.	.	.	0.3380	0.1533
NEAA010S1	34.9362	115.8200	1.3028	-1.801	-4.014	0.4598	-.0284
NEAA011S1	34.9042	115.9281	.	.	.	0.4633	0.0138
NEAA012S1	34.9263	115.9407	.	.	.	0.3670	-.0245
NEAA013S1	34.9130	115.9646	1.3407	-1.669	-4.063	0.5348	0.0093
NEAA014S1	34.9314	115.9748	1.3280	-1.477	-4.025	0.4635	0.0136
NEAA015S1	34.9334	115.9951	1.4591	-2.056	-4.386	0.3416	0.0898
NEAA016S1	34.9660	115.9982	.	.	.	.	.
NEAA017S1	34.9732	115.9555	.	.	.	0.3951	0.0029
NEAA018S1	34.9929	115.9674	.	.	.	0.3414	0.1210
NEAA019S1	34.9279	115.9117	.	.	.	0.3518	-.0507
NEAA020S1	34.8780	115.8909	.	.	.	0.4660	0.0111
NEAA021S1	34.8663	115.9304	.	.	.	0.4114	0.0358
NEAA022S1	34.8775	115.9660	.	.	.	0.3648	0.0824
NEAA023S1	34.8458	115.8894	.	.	.	0.4915	.
NEAA024S1	34.8455	115.9290	1.3929	-1.477	-4.048	0.4856	0.0196
NEAA025S1	34.8432	115.9592	1.4893	-1.835	-4.407	0.5282	-.1480
NEAA026S1	34.8465	115.9880	.	.	.	0.3292	0.1021
NEAA027S1	34.8768	115.9977	.	.	.	0.4430	-.0450
NEAA028S1	34.8178	115.9948	.	.	.	0.5191	-.0567
NEAA029S1	34.8169	115.9593	.	.	.	.	.
NEAA030S1	34.7984	115.9880	1.3898	-1.409	-4.225	0.5443	0.0577
NEAA031S1	34.8157	115.9295	.	.	.	0.2631	0.0156
NEAA032S1	34.7923	115.9529	0.8898	-1.73	-3.891	0.2391	0.1033
NEAA033S1	34.7895	115.9144	.	.	.	0.3959	0.0354
NEAA034S1	34.7677	115.9275	1.3046	-1.804	-4.248	0.4243	-.0626
NEAA035S1	34.8212	115.8942	1.3238	-1.902	-4.018	0.4421	-.0441
NEAA036S1	34.7834	115.8972	.	.	.	0.3806	0.0965
NEAA037S1	34.7620	115.8902	.	.	.	0.3812	0.0659
NEAA038S1	34.7547	115.8549	.	.	.	0.3987	0.0162
NEAA039S1	34.7827	115.8627	.	.	.	0.4343	-.0726
NEAA040S1	34.7627	115.8166	1.1727	-2.073	-4.03	0.4397	-.1387
NEAA041S1	34.8104	115.8553	.	.	.	0.5035	0.0151
NEAA042S1	34.7886	115.8318	.	.	.	0.4963	-.0649
NEAA043S1	34.7635	115.7750	.	.	.	0.3967	-.0957
NEAA044S1	34.7571	115.7539	1.2975	-2.041	-4.112	0.4224	0.0089
NEAA045S1	34.7863	115.7919	.	.	.	.	.
NEAA046S1	34.7740	115.7603	.	.	.	0.4486	-.0507
NEAA047S1	34.8040	115.8172	.	.	.	0.4713	0.0058
NEAA048S1	34.8352	115.8198	.	.	.	0.4747	-.0123
NEAA049S1	34.8331	115.7853	1.3827	-2.414	-4.085	0.3726	-.0504
NEAA050S1	34.8475	115.7847	.	.	.	0.2089	0.1335
NEAA051S1	34.8387	115.7661	1.5832	-2.144	-4.061	0.5538	-.1224
NEAB001S1	34.9805	115.7120	.	.	.	0.4136	-.0711
NEAB002S1	34.9969	115.7130	.	.	.	.	.
NEAB003S1	34.9970	115.7415	.	.	.	0.3778	-.0990
NEAB004S1	34.9794	115.6903	.	.	.	0.4442	0.0182
NEAB005S1	34.9948	115.6794	.	.	.	0.5198	-.0884

## FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEAB006S1	34.9969	115.6213	.	.	.	0.4903	-.0432
NEAB007S1	34.9861	115.5881	.	.	.	0.4147	-.1595
NEAB008S1	34.9729	115.5728	.	.	.	0.3541	-.0117
NEAB009S1	34.9866	115.5516	.	.	.	0.3746	-.0524
NEAB010S1	34.9882	115.6422	.	.	.	0.3924	0.0389
NEAB011S1	34.9733	115.6130	1.2041	-3.127	-3.597	0.4002	0.0312
NEAB012S1	34.9701	115.6128	.	.	.	.	.
NEAB013S1	34.9621	115.6416	.	.	.	0.4164	-.0546
NEAB014S1	34.9317	115.6422	1.3995	-2.907	-3.715	0.3524	0.1100
NEAB015S1	34.8989	115.6417	.	.	.	0.4874	-.1071
NEAB016S1	34.7594	115.6422	.	.	.	0.5496	.
NEAB017S1	34.7841	115.6591	.	.	.	0.5934	0.0087
NEAB018S1	34.7798	115.6316	.	.	.	.	.
NEAB019S1	34.7919	115.6121	.	.	.	0.5090	-.0776
NEAB020S1	34.6114	115.6080	.	.	.	0.5718	-.0804
NEAB021S1	34.8261	115.6174	.	.	.	.	.
NEAB022S1	34.8535	115.6321	.	.	.	0.4735	-.0756
NEAB023S1	34.8790	115.6429	.	.	.	0.4291	0.0333
NEAB024S1	34.8969	115.6767	1.1641	-2.586	-3.597	0.4668	-.0354
NEAB025S1	34.8864	115.7145	1.2684	-2.523	-3.802	0.4158	-.0356
NEAB026S1	34.8803	115.7435	.	.	.	0.4019	-.0595
NEAB027S1	34.9029	115.6090	.	.	.	0.4295	0.0476
NEAB028S1	34.9095	115.5679	.	.	.	0.3771	-.2010
NEAB029S1	34.9114	115.5425	1.6546	-2.215	-4.32	0.3798	0.0674
NEAB030S1	34.8862	115.5623	1.5604	-2.085	-4.173	0.5275	-.0962
NEAB031S1	34.8865	115.5924	.	.	.	0.4389	-.0410
NEAB032S1	34.7569	115.6907	0.9069	-2.104	-3.798	0.5800	-.1650
NEAB033S1	34.7570	115.7202	1.2500	-1.535	-3.91	0.5291	-.1141
NEAB034S1	34.7745	115.7435	.	.	.	0.4870	-.0891
NEAB035S1	34.7529	115.7469	.	.	.	0.6045	-.0134
NEAB036S1	34.7753	115.6063	1.2592	-1.701	-4.212	0.4307	-.1520
NEAB037S1	34.8025	115.6557	1.1725	-1.381	-4.004	0.4900	0.0414
NEAB038S1	34.8066	115.6784	.	.	.	0.4762	-.1144
NEAB039S1	34.8175	115.7287	.	.	.	0.2616	0.2155
NEAB040S1	34.8212	115.6476	.	.	.	0.4187	-.0208
NEAB041S1	34.8529	115.6672	.	.	.	0.4517	-.0899
NEAB042S1	34.8790	115.6764	.	.	.	0.3581	0.0036
NEAB043S1	34.9698	115.5029	.	.	.	0.5123	-.0810
NEAB044S1	34.9469	115.5061	1.3030	-1.71	-4.238	0.4865	-.1441
NEAB045S1	34.9035	115.5054	1.5603	-2.315	-3.848	0.5240	-.0469
NEAB046S1	34.8702	115.5162	1.6680	-2.394	-4.155	0.4794	-.0481
NEAB047S1	34.8354	115.5294	1.6206	-2.482	-4.063	0.4760	-.0780
NEAB048S1	34.8008	115.5205	.	.	.	0.4337	0.0134
NEAB049S1	34.8066	115.5446	.	.	.	0.4696	-.0383
NEAB050S1	34.7931	115.5551	1.5722	-2.644	-3.858	0.6030	-.1880
NEAB051S1	34.7830	115.5757	.	.	.	.	.
NEAC001S1	34.7542	115.2661	.	.	.	0.5531	.
NEAC002S1	34.7781	115.2616	1.8077	-2.301	-3.912	0.5233	-.0919
NEAC003S1	34.7623	115.3053	.	.	.	0.5197	-.0283
NEAC004S1	34.7748	115.2890	.	.	.	0.4919	-.0148
NEAC005S1	34.7867	115.3213	.	.	.	0.6312	0.0023
NEAC006S1	34.8207	115.3301	.	.	.	.	.
NEAC007S1	34.8414	115.3182	.	.	.	0.5020	-.1218
NEAC008S1	34.8206	115.2959	.	.	.	0.4423	-.0621
NEAC009S1	34.8196	115.2505	0.9580	-2.259	-3.58	0.2645	-.1506
NEAC010S1	34.8331	115.3663	.	.	.	.	.

## FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U		PREDICTED	RESIDUAL	
			FACTOR 1	FACTOR 2			
NEAC011S1	34.8512	115.3893	1.4852	-2.388	-3.961	0.5387	-.0915
NEAC012S1	34.8715	115.4058	.	.	.	0.5407	-.0935
NEAC013S1	34.9101	115.4237	1.7159	-2.5	-4.061	0.6256	-.0345
NEAC014S1	34.9101	115.3892	1.4034	-2.221	-3.893	0.4226	-.0076
NEAC015S1	34.9111	115.3521	.	.	.	0.5218	-.1068
NEAC016S1	34.9165	115.3186	.	.	.	.	.
NEAC017S1	34.9223	115.2883	.	.	.	0.5213	0.0585
NEAC018S1	34.9017	115.2720	2.1636	-2.263	-4.409	0.8139	0.0186
NEAC019S1	34.9316	115.2593	1.3937	-2.565	-4.082	0.3421	0.0381
NEAC020S1	34.9459	115.3096	.	.	.	0.4287	-.0308
NEAC021S1	34.9707	115.3174	.	.	.	.	.
NEAC022S1	34.9584	115.2866	.	.	.	.	.
NEAC023S1	34.8892	115.3405	.	.	.	0.5151	-.0379
NEAC024S1	34.8733	115.3032	1.3007	-2.386	-3.656	0.4276	-.1054
NEAC025S1	34.8596	115.2682	.	.	.	0.5656	-.0470
NEAC026S1	34.9329	115.4244	.	.	.	0.6329	-.1278
NEAC027S1	34.9467	115.4088	4.4302	-3.921	-5.344	1.1060	-.7568
NEAC028S1	34.9649	115.3999	.	.	.	0.4252	-.1699
NEAC029S1	34.9984	115.3882	1.4253	-2.131	-3.789	0.5333	-.0281
NEAC030S1	34.9670	115.4205	1.7982	-2.3	-4.094	0.6163	-.0365
NEAC031S1	34.9408	115.4732	.	.	.	0.3024	-.0720
NEAC032S1	34.9449	115.4974	.	.	.	0.4207	-.1419
NEAC033S1	34.9155	115.4567	1.4283	-2.608	-3.849	0.4756	-.1139
NEAC034S1	34.8889	115.4482	1.2081	-1.865	-3.889	0.4553	0.0361
NEAC035S1	34.8705	115.4639	.	.	.	0.5710	-.0396
NEAC036S1	34.8519	115.4781	.	.	.	0.4858	0.0055
NEAC037S1	34.8059	115.3429	.	.	.	.	.
NEAC038S1	34.8041	115.3709	0.9394	-2.114	-3.969	0.2547	0.0675
NEAC039S1	34.7952	115.3992	.	.	.	0.3946	-.2185
NEAC040S1	34.7869	115.4228	1.0940	-2.155	-3.681	0.4608	-.0806
NEAC041S1	34.7752	115.4532	.	.	.	0.4772	-.0458
NEAC042S1	34.7640	115.4784	.	.	.	0.4453	-.0303
NEAC043S1	34.7573	115.4990	1.0326	-2.013	-3.71	0.2548	0.0005
NEAC044S1	34.8354	115.4048	1.7982	-2.483	-4.263	0.5300	-.0529
NEAC045S1	34.8429	115.4367	.	.	.	0.5784	-.0732
NEAC046S1	34.8247	115.4993	1.8209	-2.397	-4.279	0.6992	-.0365
NEAC047S1	34.8121	115.4755	.	.	.	0.5561	-.1248
NEAC048S1	34.8147	115.4503	1.8033	-2.511	-4.093	0.5636	-.0722
NEAC049S1	34.8165	115.4270	.	.	.	0.3913	0.0711
NEAC050S1	34.8177	115.4014	.	.	.	0.4464	-.0151
NEAC051S1	34.8209	115.3797	.	.	.	0.5485	.
NEAC052S1	34.9467	115.4444	.	.	.	0.5870	-.1099
NEAC053S1	34.9765	115.4449	.	.	.	0.5245	-.1443
NEAC054S1	34.9712	115.4680	1.6180	-2.785	-3.876	0.4388	-.0771
NEAC055S1	34.9864	115.4922	.	.	.	0.1833	-.1419
NEAC056S1	34.7996	115.2983	1.0277	-2.205	-3.437	0.4275	-.0851
NEAC057S1	34.8017	115.2663	1.2229	-2.281	-3.597	0.4116	0.0508
NEAC058S1	34.8842	115.4845	1.3135	-2.472	-4.014	0.4520	-.0718
NEAD001S1	34.9144	115.0362	1.7786	-2.916	-3.929	0.6139	-.0457
NEAD002S1	34.9306	115.0698	1.3551	-2.589	-3.539	0.6211	-.1298
NEAD003S1	34.9836	115.0132	2.0851	-3.019	-4.294	0.8203	-.0960
NEAD004S1	34.9709	115.0460	1.2220	-2.441	-3.577	0.4719	0.0195
NEAD005S1	34.9598	115.0859	.	.	.	0.4809	0.0104
NEAD006S1	34.9819	115.1006	1.4213	-2.623	-3.585	0.5294	-.0670
NEAD007S1	34.9793	115.1337	1.6843	-2.578	-3.913	0.6563	0.0680
NEAD008S1	34.9483	115.1271	.	.	.	0.2752	-.0991

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEAD009S1	34.9346	115.1707					
NEAD010S1	34.9429	115.2023	1.4315	-2.551	-3.722	0.5440	0.0242
NEAD011S1	34.9373	115.2332				0.7182	-.0022
NEAD012S1	34.9833	115.2400	1.1503	-2.611	-3.525	0.3875	0.0439
NEAD013S1	34.9086	115.2300				0.4969	-.1167
NEAD014S1	34.8894	115.2306	2.2001	-2.643	-4.087	0.7523	0.0606
NEAD015S1	34.8601	115.2352	2.3652	-3.058	-4.48	0.7910	0.0602
NEAD016S1	34.8433	115.2132				0.4897	0.0901
NEAD017S1	34.8162	115.1699	1.3654	-2.528	-3.699	0.5112	-.0962
NEAD018S1	34.8182	115.1365	2.7294	-3.143	-4.234	0.8022	-.0619
NEAD019S1	34.8224	115.0990				0.5330	-.1516
NEAD020S1	34.8251	115.0621	2.5628	-3.226	-4.353	0.7936	-.2751
NEAD021S1	34.8278	115.0301				0.6483	-.0573
NEAD022S1	34.8603	115.0552	2.8168	-3.831	-4.51	0.6273	-.1088
NEAD023S1	34.8906	115.0589	1.8796	-3.272	-3.855	0.5650	-.1178
NEAD024S1	34.8886	115.0293	1.8064	-3.256	-3.766	0.3817	-.1776
NEAD025S1	34.9374	115.0207	1.6211	-3.307	-3.761	0.5902	-.0988
NEAD026S1	34.9476	115.0583				0.5318	0.0915
NEAD027S1	34.9251	115.0999				0.4780	-.0009
NEAD028S1	34.9286	115.1360				0.7463	-.0561
NEAD029S1	34.9167	115.1783	1.7391	-3.093	-3.546	0.6062	-.0264
NEAD030S1	34.8924	115.2012	2.1776	-3.553	-3.919	0.6183	-.1270
NEAD031S1	34.8943	115.1715	1.6527	-2.748	-3.817	0.6400	0.0132
NEAD032S1	34.8918	115.1360					
NEAD033S1	34.8906	115.0973				0.5440	-.1126
NEAD034S1	34.8544	115.1301	1.8670	-3.155	-3.755	0.7036	-.1354
NEAD035S1	34.8334	115.1597				0.5514	-.1365
NEAD036S1	34.8060	115.1086	2.5048	-3.126	-4.392	0.7534	-.0374
NEAD037S1	34.7975	115.1342				0.6794	-.1353
NEAD038S1	34.7703	115.1051				0.5029	-.2019
NEAD039S1	34.7758	115.1293				0.4411	0.0360
NEAD040S1	34.7712	115.1842					
NEAD041S1	34.7863	115.1603	1.2968	-2.632	-3.621	0.4127	0.0186
NEAD042S1	34.7674	115.2154	0.6675	-2.066	-3.194	0.5340	-.0289
NEAD043S1	34.7697	115.2407					
NEAD044S1	34.7968	115.2113				0.4715	-.1098
NEAD045S1	34.8184	115.2100				0.4199	0.1599
NEAD046S1	34.8181	115.2418				0.5336	-.0865
NEAD047S1	34.8486	115.1841	1.7922	-2.926	-3.8	0.6634	-.0614
NEAD048S1	34.8733	115.1898	1.6232	-2.693	-3.589	0.6959	-.0525
NEAD049S1	34.8702	115.1139				0.5043	-.0272
NEAD050S1	34.8075	115.0557				1.3969	
NEAD051S1	34.7939	115.0212	1.8290	-2.654	-3.768	0.5759	-.1780
NEAD052S1	34.7556	115.0080				0.4113	-.1560
NEAE001S1	34.7676	114.9826				0.5075	-.1651
NEAE002S1	34.7952	114.9758					
NEAE003S1	34.8244	114.9834	3.6140	-3.952	-4.957	0.8543	-.1822
NEAE004S1	34.8289	114.9518	2.3937	-2.693	-4.218	0.9137	-.0052
NEAE005S1	34.7947	114.9173	1.6135	-2.595	-3.738	0.6096	-.1325
NEAE006S1	34.7651	114.8779	1.4556	-2.828	-3.783	0.5275	-.1851
NEAE007S1	34.7708	114.9539	1.7408	-3.008	-3.76	0.5663	-.0749
NEAE008S1	34.8033	114.8850	2.2384	-3.025	-3.963	0.6168	-.0370
NEAE009S1	34.8187	114.8549				0.7134	-.2510
NEAE010S1	34.8617	114.9635	1.6635	-2.944	-4.021	0.2808	0.0415
NEAE011S1	34.8915	114.9621				0.5499	-.0585
NEAE012S1	34.9134	114.9826	1.3597	-2.999	-3.688	0.5046	-.1067

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U		PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2		
NEAE01351	34.9177	114.9417	.	.	.	.
NEAE01451	34.9217	114.9132	.	.	0.6215	-.1030
NEAE01551	34.9344	114.8674	2.5234	-3.08	0.8531	-.0678
NEAE01651	34.9373	114.8441	2.2618	-3.08	0.6155	-.0358
NEAE01751	34.9766	114.8315	2.0933	-2.626	0.7601	-.0611
NEAE01851	34.9378	114.8102	2.1816	-2.918	0.7535	-.0459
NEAE01951	34.9154	114.7735	.	.	0.5985	.
NEAE02051	34.8927	114.7627	1.7464	-2.335	0.6255	-.0814
NEAE02151	34.9493	114.9836	.	.	.	.
NEAE02251	34.9784	114.9816	.	.	0.5488	-.0173
NEAE02351	34.8849	114.9861	1.9813	-2.831	0.6599	-.0164
NEAE02451	34.8570	114.9885	1.9724	-2.774	0.6747	-.0026
NEAE02551	34.9473	114.9590	1.8687	-2.665	0.6508	-.0173
NEAE02651	34.9831	114.9578	.	.	0.5231	-.0607
NEAE02751	34.9784	114.9151	.	.	.	.
NEAE02851	34.9715	114.8791	1.8080	-2.487	0.6233	-.0001
NEAE02951	34.9679	114.8130	0.8047	-1.96	0.5770	-.1456
NEAE03051	34.8800	114.7961	.	.	0.5346	.
NEAE03151	34.8671	114.8452	1.6815	-3.111	0.4208	-.0591
NEAE03251	34.8580	114.8802	1.6763	-2.838	0.6487	-.1046
NEAE03351	34.8586	114.9141	2.5660	-3.052	0.8949	-.0498
NEAE03451	34.8318	114.7669	1.6078	-2.56	0.5184	-.1759
NEAE03551	34.8653	114.7566	1.3908	-2.45	0.4551	-.0080
NEAE03651	34.8239	114.8759	.	.	0.5105	-.0633
NEAE03751	34.8574	114.8073	1.8376	-2.592	0.5491	-.0867
NEAE03851	34.7553	114.8342	.	.	.	.
NEAE03951	34.7661	114.7957	1.3301	-2.561	0.4821	-.0671
NEAE04051	34.7693	114.7694	.	.	0.5481	0.0429
NEAE04151	34.7824	114.8984	1.5632	-2.815	0.4905	-.0133
NEAE04251	34.8126	114.9359	4.9361	-3.973	1.3280	-.1696
NEAE04351	34.8867	114.9169	.	.	.	.
NEAE04451	34.8848	114.8841	1.9896	-3.01	0.5019	-.0869
NEAE04551	34.8878	114.8476	.	.	0.0896	-.0482
NEAE04651	34.8893	114.8355	.	.	.	.
NEAE04751	34.9206	114.8810	.	.	0.7224	-.0322
NEAE04851	34.9156	114.8521	1.7529	-2.671	0.6382	-.0254
NEAE04951	34.9053	114.8204	.	.	0.5526	-.1054
NEAE05051	34.8983	114.7955	1.6567	-2.667	0.6535	-.0853
NEAE05151	34.9352	114.7837	.	.	0.5109	0.0802
NEAF00151	34.8557	114.6100	.	.	.	.
NEAF00251	34.8520	114.5863	.	.	0.1783	-.0322
NEAF00351	34.8519	114.5447	.	.	0.3181	-.0877
NEAF00451	34.8532	114.5174	.	.	.	.
NEAF00551	34.8251	114.5053	.	.	.	.
NEAF00651	34.7984	114.5046	.	.	0.5277	-.0806
NEAF00751	34.8249	114.6137	.	.	0.6340	-.0542
NEAF00851	34.8251	114.5773	.	.	0.5805	-.1333
NEAF00951	34.8137	114.5645	.	.	0.6770	-.0336
NEAF01051	34.7862	114.5622	0.8387	-2.547	0.4230	-.2189
NEAF01151	34.7685	114.5499	.	.	0.4638	-.1020
NEAF01251	34.7556	114.5323	.	.	.	.
NEAF01351	34.7919	114.5868	.	.	0.4237	-.0258
NEAF01451	34.7650	114.5772	1.7594	-2.969	0.6383	0.0149
NEAF01551	34.7683	114.6135	.	.	0.4715	0.0337
NEAF01651	34.7959	114.6084	.	.	.	.
NEAF01751	34.7593	114.6487	.	.	0.6286	-.0723

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEAF018S1	34.7520	114.6654	1.6466	-3.087	-3.695	0.4453	-.0303
NEAF019S1	34.8234	114.6487	.	.	.	.	.
NEAF020S1	34.8160	114.6771	1.5305	-2.977	-3.473	0.7590	-.1058
NEAF021S1	34.8058	114.6593	1.5546	-2.938	-3.507	0.5672	-.0621
NEAF022S1	34.7925	114.6787	.	.	.	0.5186	-.1036
NEAF023S1	34.7852	114.7167	1.6961	-3.544	-3.647	0.3803	0.1111
NEAF024S1	34.7791	114.7289	1.1915	-3.184	-3.15	0.4499	-.1075
NEAF025S1	34.7843	114.7416	.	.	.	0.3398	-.0388
NEAF026S1	34.7711	114.7474	1.2990	-3.102	-3.48	0.4078	-.0653
NEAF027S1	34.8511	114.6431	1.9208	-2.726	-3.825	0.6753	0.0059
NEAF028S1	34.8476	114.6739	1.4004	-2.712	-3.809	0.4478	-.0165
NEAF029S1	34.8360	114.6982	1.3233	-2.456	-3.795	0.3851	-.0426
NEAF030S1	34.8516	114.7014	1.4639	-2.504	-3.708	0.3944	0.0036
NEAF031S1	34.8802	114.6859	.	.	.	0.8014	-.0771
NEAF032S1	34.8613	114.7378	.	.	.	0.4925	-.1123
NEAF033S1	34.8813	114.7175	1.6972	-2.495	-3.898	0.6908	-.1226
NEAF034S1	34.8783	114.7384	.	.	.	0.5019	-.1402
NEAF035S1	34.8896	114.6466	1.6571	-1.797	-4.13	0.7390	-.1592
NEAF036S1	34.9221	114.6511	.	.	.	0.5572	-.0009
NEAF037S1	34.9189	114.6760	.	.	.	.	.
NEAF038S1	34.9469	114.6482	.	.	.	0.3404	-.1643
NEAF039S1	34.9521	114.6780	.	.	.	0.3063	-.0758
NEAF040S1	34.9771	114.7185	.	.	.	0.3293	-.0283
NEAF041S1	34.9753	114.6725	1.5791	-1.688	-4.187	0.4889	0.0674
NEAF042S1	34.9810	114.6500	.	.	.	0.4451	-.1664
NEAF043S1	34.9426	114.7094	.	.	.	.	.
NEAF044S1	34.8957	114.5978	.	.	.	0.3780	-.1739
NEAF045S1	34.9118	114.6006	.	.	.	0.0845	0.1707
NEAF046S1	34.9521	114.5977	.	.	.	0.2301	-.0260
NEAF047S1	34.9889	114.5978	.	.	.	0.3947	-.0725
NEAF048S1	34.9668	114.5648	.	.	.	0.4797	-.1372
NEAF049S1	34.9747	114.5311	.	.	.	0.4590	-.0277
NEAF050S1	34.9792	114.5076	1.3471	-1.928	-4.08	0.4963	0.0478
NEAF051S1	34.9540	114.5706	.	.	.	0.5280	-.2727
NEAF052S1	34.9379	114.5490	0.8755	-2.181	-3.291	0.2999	-.0212
NEAF053S1	34.9086	114.5370	.	.	.	0.4721	0.0193
NEAF054S1	34.9297	114.5127	.	.	.	0.4585	-.0783
NEAF055S1	34.9381	114.5014	.	.	.	0.5513	-.1533
NEAF056S1	34.8981	114.5243	.	.	.	0.5289	-.1487
NEAF057S1	34.8848	114.5165	.	.	.	0.6105	-.0790
NEAF058S1	34.9089	114.5714	.	.	.	0.3307	0.0842
NEAF059S1	34.8873	114.5786	.	.	.	0.4919	-.1495
NEAG001S1	34.7675	114.4762	1.2717	-2.119	-3.688	0.5603	0.0831
NEAG002S1	34.7933	114.4977	.	.	.	0.2248	0.0057
NEAG003S1	34.7837	114.4631	.	.	.	0.4637	-.0835
NEAG004S1	34.7729	114.4313	.	.	.	0.3493	0.0309
NEAG005S1	34.7640	114.3895	.	.	.	.	.
NEAG006S1	34.7950	114.4095	1.1894	-2.679	-3.839	0.4091	-.1538
NEAG007S1	34.8216	114.4201	.	.	.	0.4711	.
NEAG008S1	34.8447	114.4267	.	.	.	0.6404	-.2091
NEAG009S1	34.8713	114.4388	.	.	.	0.4374	-.0757
NEAG010S1	34.8967	114.4491	1.0092	-1.761	-3.505	0.3825	-.1037
NEAG011S1	34.9036	114.4869	.	.	.	0.4463	-.1241
NEAG012S1	34.8385	114.4599	1.3782	-2.637	-3.648	0.5051	-.1249
NEAG013S1	34.8183	114.4657	.	.	.	0.3004	0.0976
NEAG014S1	34.8995	114.4130	.	.	.	0.4076	-.0097

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEAG015S1	34.9019	114.3704	.	.	.	0.4582	-.1571
NEAG016S1	34.9374	114.4178	.	.	.	0.3477	-.0690
NEAG017S1	34.9320	114.3831	.	.	.	0.3347	-.0559
NEAG018S1	34.9574	114.4136	.	.	.	0.3205	0.0220
NEAG019S1	34.9606	114.3778	.	.	.	0.3975	-.0753
NEAG020S1	34.9913	114.4141	.	.	.	0.4686	-.0373
NEAG021S1	34.9820	114.3854	.	.	.	0.4563	-.1553
NEAG022S1	34.9598	114.4542	1.0822	-.0149	-4.694	0.3473	-.0463
NEAG023S1	34.9396	114.4884	.	.	.	0.3252	-.2838
NEAG024S1	34.9309	114.4601	.	.	.	0.2828	-.0523
NEAG025S1	34.9865	114.4832	1.0815	-.4643	-4.337	0.3834	-.0032
NEAG026S1	34.9942	114.4460	.	.	.	0.3928	-.0706
NEAG027S1	34.7653	114.3636	.	.	.	.	.
NEAG028S1	34.7641	114.3318	.	.	.	.	.
NEAG029S1	34.7629	114.3127	1.3492	-.0886	-4.631	0.6103	-.1631
NEAG030S1	34.7942	114.3536	.	.	.	0.4353	-.0203
NEAG031S1	34.7987	114.3241	1.3464	-.2633	-4.707	0.5473	0.0741
NEAG032S1	34.8178	114.3300	1.4604	-.1693	-4.96	0.5405	-.0933
NEAG033S1	34.8202	114.3530	1.5257	-1.48	-4.535	0.5429	-.1449
NEAG034S1	.	.	1.1470	-1.962	-3.599	0.5071	0.2563
NEAG035S1	34.8544	114.3261	.	.	.	0.2222	0.0565
NEAG036S1	34.8785	114.3154	.	.	.	0.4156	-.1603
NEAG037S1	34.8997	114.2914	.	.	.	0.3916	-.0114
NEAG038S1	34.9023	114.3040	1.3527	-2.317	-4.096	0.3631	-.0621
NEAG039S1	34.9185	114.3209	.	.	.	0.2606	-.0845
NEAG040S1	34.9206	114.2981	1.4213	-2.124	-4.335	0.3455	-.0445
NEAG041S1	34.9682	114.4731	.	.	.	0.3108	-.1067
NEAG042S1	34.7679	114.2707	1.4185	0.0106	-4.903	0.5079	-.0307
NEAG043S1	34.7936	114.2732	.	.	.	0.5457	-.0271
NEAG044S1	34.8132	114.2660	.	.	.	0.5466	-.0415
NEAG045S1	34.8270	114.2762	.	.	.	.	.
NEAG046S1	34.8506	114.2630	2.5967	-.1204	-5.656	0.8323	0.0002
NEAG047S1	34.8505	114.2894	.	.	.	0.6695	-.1781
NEAH001S1	34.8164	114.2015	1.2040	-2.178	-3.639	0.5275	-.1125
NEAH002S1	34.7736	114.2051	1.4834	-2.265	-4.089	0.4736	0.1985
NEAH003S1	34.7580	114.2291	.	.	.	0.5533	.
NEAH004S1	34.8018	114.1776	.	.	.	0.6387	-.2074
NEAH005S1	34.7803	114.1579	1.8751	-2.22	-3.816	0.8213	0.0978
NEAH006S1	34.7540	114.1683	2.7490	-2.066	-4.455	1.0647	0.0688
NEAH007S1	34.7691	114.1261	2.2450	-2.283	-4.374	0.8778	0.1090
NEAH008S1	34.7926	114.1236	1.9563	-1.729	-4.164	0.8585	0.0446
NEAH009S1	34.7668	114.0798	1.5015	-1.434	-4.232	0.6074	-.0759
NEAH010S1	34.7537	114.0361	.	.	.	1.2866	0.0597
NEAH011S1	34.8010	114.0893	2.8260	-1.59	-4.656	1.2258	0.1704
NEAH012S1	34.8170	114.1231	1.9633	-1.899	-4.041	0.8974	-.0586
NEAH013S1	34.8276	114.1044	1.6433	-2.354	-4.024	0.5755	-.1283
NEAH014S1	34.8489	114.1074	1.5499	-2.288	-3.944	0.5464	0.0769
NEAH015S1	34.8667	114.0814	.	.	.	.	.
NEAH016S1	34.8171	114.0635	2.1493	-1.941	-4.432	0.8100	-.0541
NEAH017S1	34.7872	114.0099	2.0597	-1.668	-4.223	0.8852	0.1234
NEAH018S1	34.8047	114.0414	1.7164	-1.816	-3.772	0.7072	0.1124
NEAH019S1	34.8427	114.0699	.	.	.	0.9831	0.0298
NEAH020S1	34.8487	114.0144	2.7981	-1.991	-4.602	1.0893	0.1755
NEAH021S1	34.8287	114.0191	.	.	.	0.7926	.
NEAH022S1	34.8676	114.0256	.	.	.	0.8534	-.0209
NEAH023S1	34.8974	114.0219	1.4084	-2.74	-3.463	0.6561	-.0028



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SRL I.D.	LATITUDE	LONGITUDE	LOG U		LOG U	PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2			
NEAH02451	34.8964	114.0555	.	.	.	0.5372	-.0900
NEAH02551	34.8920	114.0925	.	.	.	0.6467	-.0446
NEAH02651	34.8956	114.1152	1.8487	-2.394	-3.914	0.8707	-.1805
NEAH02751	34.9256	114.1096	2.8806	-2.611	-4.069	1.1412	0.1598
NEAH02851	34.9210	114.0729	.	.	.	0.6375	0.0253
NEAH02951	34.9291	114.0416	0.9972	-2.138	-3.761	0.2825	0.1947
NEAH03051	34.9193	114.1042	1.2201	-2.245	-3.359	0.5660	-.0889
NEAH03151	34.9620	114.1235	1.9992	-2.471	-4.089	0.7814	-.0571
NEAH03251	34.9423	114.0926	2.1301	-2.123	-3.879	0.9118	0.2526
NEAH03351	34.9536	114.0532	0.9791	-1.858	-3.612	0.4234	0.0679
NEAH03451	34.9724	114.0285	.	.	.	1.2874	0.2428
NEAH03551	34.9482	114.0229	1.5749	-1.9	-3.831	0.6505	0.1203
NEAH03651	34.9635	114.0896	1.5223	-2.19	-3.485	0.5903	0.0999
NEAH03751	34.9802	114.0883	.	.	.	.	.
NEAH03851	34.9974	114.0865	.	.	.	.	.
NEAH03951	34.9866	114.1327	1.4246	-2.421	-3.61	0.5597	0.0737
NEAH04051	34.9422	114.1578	1.7756	-2.464	-3.916	0.6680	0.1173
NEAH04151	34.9108	114.1639	.	.	.	0.8017	-.0235
NEAH04251	34.8214	114.1549	.	.	.	0.5107	.
NEAH04351	34.8495	114.1581	1.9365	-2.282	-3.834	0.8985	0.4319
NEAH04451	34.8483	114.1844	1.3983	-1.872	-3.865	0.6764	-.0744
NEAH04551	34.8731	114.1814	1.2767	-2.175	-3.63	0.4948	-.0324
NEAH04651	34.8793	114.1548	.	.	.	0.3987	0.1198
NEAH04751	34.9112	114.1855	.	.	.	0.3055	-.0044
NEAH04851	34.9680	114.1566	1.6417	-2.244	-3.837	0.7369	0.0266
NEAH04951	34.9579	114.1848	.	.	.	.	.
NEAH05051	34.9280	114.1921	1.9863	-2.564	-4.278	0.7024	0.0458
NEAH05151	34.9250	114.2212	1.2904	-2.232	-4.222	0.2525	-.0764
NEBA00151	34.5638	115.7849	.	.	.	0.3732	-.0722
NEBA00251	34.5714	115.8212	1.4137	-2.952	-3.754	0.5010	0.1118
NEBA00351	34.5766	115.8463	.	.	.	.	.
NEBA00451	34.5859	115.8297	.	.	.	0.4362	-.0049
NEBA00551	34.5813	115.8012	1.2830	-2.394	-3.647	0.4846	0.0339
NEBA00651	34.6211	115.8578	.	.	.	0.4504	-.0033
NEBA00751	34.6283	115.8775	1.5271	-2.83	-3.603	0.6726	-.0291
NEBA00851	34.6014	115.8553	1.4490	-2.77	-3.607	0.5990	-.0193
NEBA00951	34.6299	115.8210	.	.	.	0.6420	-.0622
NEBA01051	34.6649	115.7993	1.3689	-2.288	-3.846	0.5112	-.0340
NEBA01151	34.6753	115.7909	.	.	.	.	.
NEBA01251	34.6462	115.8311	1.5140	-2.462	-3.748	0.4675	-.0051
NEBA01351	34.6762	115.8302	.	.	.	0.3678	0.1093
NEBA01451	34.7096	115.8237	.	.	.	0.3641	0.0831
NEBA01551	34.7051	115.8568	.	.	.	0.3648	-.1095
NEBA01651	34.6860	115.8512	.	.	.	0.5104	-.0191
NEBA01751	34.6867	115.8906	.	.	.	0.2524	0.1093
NEBA01851	34.6991	115.9346	.	.	.	0.2821	0.1329
NEBA01951	34.7203	115.9286	1.1216	-2.513	-3.456	0.4148	0.0165
NEBA02051	34.7303	115.9018	.	.	.	0.4828	-.0514
NEBA02151	34.7253	115.9715	.	.	.	0.5078	-.0307
NEBA02251	34.7357	115.8845	.	.	.	0.4895	0.1637
NEBA02351	34.7353	115.8498	1.3108	-2.871	-3.537	0.4484	-.0504
NEBA02451	34.7368	115.8171	.	.	.	0.5776	-.0336
NEBA02551	34.7408	115.7816	.	.	.	0.3520	0.1532
NEBA02651	34.7464	115.7550	.	.	.	0.3584	0.0730
NEBA02751	34.5744	115.8941	1.5601	-2.644	-3.596	0.5222	-.0170
NEBA02851	34.5647	115.9122	.	.	.	0.3284	0.0333

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U		LOG U	PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2			
NEBA029S1	34.5880	115.8966	.	.	.	0.5975	-.1504
NEBA030S1	34.5956	115.9286	.	.	.	0.5396	.
NEBA031S1	34.6081	115.9510	1.2344	-2.763	-3.48	0.4806	0.0108
NEBA032S1	34.6299	115.9627	1.1084	-2.599	-3.645	0.5108	0.0077
NEBA033S1	34.6634	115.9402	1.4269	-2.604	-3.565	0.5832	-.1061
NEBA034S1	34.6463	115.9750	1.5955	-2.714	-3.865	0.6623	0.1011
NEBA035S1	34.6787	115.9770	1.5139	-2.387	-3.649	0.5156	-.0685
NEBA036S1	34.5217	115.9941	.	.	.	0.2847	0.0163
NEBA037S1	34.5218	115.9686	1.1928	-2.801	-3.678	0.4107	0.0364
NEBA038S1	34.5228	115.9469	.	.	.	0.3086	0.0136
NEBA039S1	34.5212	115.9252	.	.	.	0.4174	-.0024
NEBA040S1	34.5070	115.9027	0.9126	-3.009	-3.505	0.1358	0.0683
NEBA041S1	34.5598	115.8797	1.2076	-2.584	-3.486	0.4741	0.0444
NEBA042S1	34.5391	115.8778	.	.	.	0.2497	-.0193
NEBA043S1	34.5158	115.8828	.	.	.	.	.
NEBA044S1	34.5005	115.8846	.	.	.	0.2565	0.0222
NEBB001S1	34.5632	115.5069	1.7666	-1.297	-4.31	0.6746	-.0948
NEBB002S1	34.5720	115.5271	1.4504	-1.336	-4.112	0.5929	-.0131
NEBB003S1	34.5847	115.5331	.	.	.	0.5648	.
NEBB004S1	34.5357	115.5067	.	.	.	0.8552	-.1562
NEBB005S1	34.5413	115.5294	.	.	.	0.6003	-.0092
NEBB006S1	34.5882	115.5573	1.5207	-2.171	-3.906	0.6341	-.0659
NEBB007S1	34.5604	115.5709	.	.	.	0.3656	-.0434
NEBB008S1	34.5599	115.6070	1.4445	-2.141	-3.951	0.5494	-.0179
NEBB009S1	34.5604	115.6785	.	.	.	0.5891	-.0840
NEBB010S1	34.5601	115.7200	.	.	.	0.5245	-.0060
NEBB011S1	34.5583	115.7373	1.6564	-1.91	-4.269	0.6412	-.0849
NEBB012S1	34.5337	115.7425	1.2036	-2.198	-3.732	0.3896	0.1156
NEBB013S1	34.5096	115.7430	.	.	.	0.3213	0.0211
NEBB014S1	34.5457	115.7120	.	.	.	.	.
NEBB015S1	34.5294	115.6942	.	.	.	0.5026	-.0113
NEBB016S1	34.5071	115.7101	1.1874	-2.384	-3.661	0.3869	0.2943
NEBB017S1	34.5037	115.6948	1.7026	-2.561	-3.816	0.5721	0.1522
NEBB018S1	34.5294	115.6440	.	.	.	0.4396	-.0594
NEBB019S1	34.5160	115.6445	.	.	.	0.3399	0.1786
NEBB020S1	34.5259	115.6050	.	.	.	0.5724	-.1253
NEBB021S1	34.5132	115.6040	.	.	.	0.4863	0.0577
NEBB022S1	34.5226	115.5614	.	.	.	0.4413	-.0989
NEBB023S1	34.5094	115.5612	.	.	.	0.4435	-.0122
NEBB024S1	34.5198	115.5337	.	.	.	0.4108	0.1455
NEBB025S1	34.5163	115.5048	.	.	.	0.5523	-.1906
NEBB026S1	34.5806	115.7226	1.6002	-1.895	-4.119	0.5634	0.0048
NEBB027S1	34.5798	115.7426	1.3828	-1.73	-3.955	0.5723	-.0282
NEBB028S1	34.5684	115.6409	.	.	.	.	.
NEBB029S1	34.5914	115.6459	1.5130	-2.823	-3.621	0.5333	-.0861
NEBB030S1	34.6137	115.6588	.	.	.	0.4555	-.0084
NEBB031S1	34.6341	115.6710	.	.	.	0.4582	-.2029
NEBB032S1	34.6417	115.6592	.	.	.	0.5148	-.1724
NEBB033S1	34.6567	115.6785	.	.	.	0.4648	-.1031
NEBB034S1	34.6801	115.6790	.	.	.	0.4787	-.0474
NEBB035S1	34.7041	115.6778	.	.	.	.	.
NEBB036S1	34.7250	115.6674	.	.	.	0.5369	-.2581
NEBB037S1	34.7449	115.6544	1.0451	-2.325	-3.498	0.4431	-.0814
NEBB038S1	34.7299	115.6877	1.1242	-2.295	-3.637	0.4040	-.0238
NEBB039S1	34.7230	115.7119	1.8446	-2.374	-4.074	0.6703	-.0171
NEBB040S1	34.7327	115.7141	.	.	.	0.4601	-.0622

## FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEBB041S1	34.7119	115.7364	.	.	.	0.7375	0.0028
NEBB042S1	34.6914	115.7200	.	.	.	0.3382	-.0372
NEBB043S1	34.6862	115.7385	.	.	.	0.5810	-.0896
NEBB044S1	34.5825	115.6234	1.2816	-2.354	-3.661	0.4359	-.0209
NEBB045S1	34.6664	115.6979	1.3529	-2.52	-3.436	0.5544	-.1394
NEBB046S1	34.7026	115.6481	.	.	.	0.2545	0.0677
NEBB047S1	34.6979	115.6083	0.8005	-2.177	-3.374	0.5654	0.0144
NEBB048S1	34.6885	115.5719	1.4577	-2.212	-3.529	0.4856	0.9141
NEBB049S1	34.7242	115.5984	.	.	.	0.5055	-.0141
NEBB050S1	34.7377	115.6075	.	.	.	0.6495	0.0829
NEBB051S1	34.7018	115.5833	1.0339	-2.414	-3.393	0.4585	-.0272
NEBB052S1	34.6872	115.5413	.	.	.	0.5196	-.2186
NEBB053S1	34.6794	115.5217	1.2166	-2.425	-3.726	0.4660	-.0346
NEBB054S1	34.6734	115.5083	.	.	.	0.4556	-.0085
NEBB055S1	34.6608	115.5062	1.2276	-2.354	-3.711	0.4715	-.0091
NEBB056S1	34.6666	115.5302	1.2635	-2.35	-3.662	0.5147	-.0523
NEBB057S1	34.7012	115.5277	.	.	.	0.4666	-.0194
NEBB058S1	34.7167	115.5288	.	.	.	0.6770	-.1207
NEBB059S1	34.7322	115.5354	.	.	.	0.5687	-.1374
NEBB060S1	34.7353	115.5164	.	.	.	.	.
NEBC001S1	34.7445	115.2550	1.1093	-1.476	-3.873	0.4416	-.1194
NEBC002S1	34.7273	115.2600	.	.	.	.	.
NEBC003S1	34.7369	115.2877	2.0429	-1.467	-4.526	0.7125	-.0593
NEBC004S1	34.7466	115.3245	.	.	.	0.7932	0.0519
NEBC005S1	34.7156	115.2982	1.6496	-1.474	-4.262	0.6232	0.0489
NEBC006S1	34.6951	115.3200	.	.	.	0.5572	.
NEBC007S1	34.7064	115.3309	1.4308	-1.901	-4.217	0.5197	0.0366
NEBC008S1	34.6763	115.3524	1.0944	-1.807	-3.887	0.3234	0.0383
NEBC009S1	34.6789	115.3288	1.7254	-2.647	-4.122	0.5474	-.1494
NEBC010S1	34.6751	115.3779	1.1939	-2.235	-3.907	0.3688	0.0625
NEBC011S1	.	.	.	.	.	0.2234	-.0773
NEBC012S1	34.6369	115.3449	.	.	.	0.3160	-.0855
NEBC013S1	34.6266	115.3162	1.9338	-2.444	-3.795	0.6763	0.0226
NEBC014S1	34.6184	115.2918	1.5420	-2.434	-3.713	0.5861	-.0298
NEBC015S1	34.6107	115.2700	.	.	.	0.4021	0.0750
NEBC016S1	34.6027	115.2560	.	.	.	0.4116	-.0137
NEBC017S1	34.6346	115.2843	.	.	.	0.6357	-.0022
NEBC018S1	34.6428	115.2613	.	.	.	0.3165	0.0985
NEBC019S1	34.6520	115.2831	1.2791	-2.296	-3.653	0.4317	0.1246
NEBC020S1	34.6444	115.3042	.	.	.	0.4282	.
NEBC021S1	34.6034	115.3460	.	.	.	0.4499	0.0272
NEBC022S1	34.5998	115.3217	.	.	.	0.5482	-.0568
NEBC023S1	34.5657	115.3330	1.7154	-2.619	-3.948	0.5286	-.0235
NEBC024S1	34.5821	115.3021	2.2159	-2.254	-4.174	0.6966	0.0194
NEBC025S1	34.5570	115.3472	2.4903	-2.65	-4.258	0.8009	0.1285
NEBC026S1	34.5443	115.3463	.	.	.	0.4725	0.0189
NEBC027S1	34.5357	115.3194	.	.	.	0.6022	-.0707
NEBC028S1	34.5367	115.2840	2.2422	-2.777	-4.039	0.6920	0.0714
NEBC029S1	34.5405	115.2571	2.0469	-2.503	-3.883	0.7136	0.0926
NEBC030S1	34.5350	115.3423	.	.	.	0.5222	0.0341
NEBC031S1	34.5180	115.3393	1.1116	-2.325	-3.527	0.4394	-.0081
NEBC032S1	34.5030	115.3191	1.5321	-2.52	-3.553	0.5897	0.0437
NEBC033S1	34.5031	115.2842	.	.	.	0.7902	0.1289
NEBC034S1	34.5116	115.2573	.	.	.	0.4725	0.0589
NEBC035S1	34.5846	115.3771	.	.	.	0.3364	0.1688
NEBC036S1	34.5681	115.3974	1.7165	-2.424	-3.823	0.6775	-.0543

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U		LOG U	PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2			
NEBC03751	34.5409	115.4287	.	.	.	0.2235	0.0070
NEBC03851	34.5238	115.4539	.	.	.	.	.
NEBC03951	34.5178	115.4880	.	.	.	0.4384	-.0404
NEBC04051	34.7013	115.2983	1.3261	-1.7	-4.092	0.4656	-.1869
NEBC04151	34.6403	115.3828	.	.	.	.	.
NEBC04251	34.6480	115.4083	.	.	.	0.3581	-.0359
NEBC04351	34.6539	115.4326	.	.	.	0.4477	-.0674
NEBC04451	34.6602	115.4537	.	.	.	0.4859	-.0880
NEBC04551	34.6670	115.4773	1.5128	-2.143	-4.277	0.3023	-.0719
NEBC04651	34.6179	115.4149	.	.	.	0.5230	-.0758
NEBC04751	34.6029	115.4369	1.5251	-2.004	-4.138	0.5077	0.0238
NEBC04851	34.5978	115.4051	.	.	.	0.3284	-.0273
NEBC04951	34.5667	115.4273	.	.	.	0.5616	-.1144
NEBC05051	34.5537	115.4505	.	.	.	0.6180	-.0739
NEBC05151	34.5878	115.4575	.	.	.	0.3643	-.0420
NEBC05251	34.5632	115.4951	2.2974	0.3651	-5.507	0.8452	-.1210
NEBC05351	34.5743	115.4802	2.0964	0.8774	-5.363	0.9639	-.2396
NEBC05451	34.6630	115.3883	.	.	.	0.2697	-.0144
NEBC05551	34.6811	115.4029	.	.	.	0.3281	-.0271
NEBC05651	34.6793	115.4457	1.3212	-2.273	-3.877	0.5375	-.0461
NEBC05751	34.6994	115.3988	0.8376	-1.945	-3.683	0.1880	-.0119
NEBC05851	34.5558	115.3977	1.7109	-2.648	-3.982	0.5692	-.0507
NEBC05951	34.5298	115.3810	1.6054	-2.196	-3.807	0.4903	0.3158
NEBD00151	34.7134	115.2241	.	.	.	.	.
NEBD00251	34.6953	115.2067	.	.	.	0.5421	-.0507
NEBD00351	34.6834	115.1735	.	.	.	0.5955	-.0640
NEBD00451	34.6937	115.1475	.	.	.	.	.
NEBD00551	34.7064	115.1352	1.4593	-2.998	-3.388	0.3687	-.0070
NEBD00651	34.7179	115.1024	.	.	.	0.3780	-.0356
NEBD00751	34.7338	115.0994	1.1937	-2.703	-3.436	0.4263	0.0650
NEBD00851	34.7159	115.0697	1.2646	-2.598	-3.448	0.4017	-.0215
NEBD00951	34.7164	115.0324	.	.	.	0.4852	-.1150
NEBD01051	34.7368	115.0326	1.6689	-2.682	-3.683	0.6352	-.0789
NEBD01151	34.7302	115.0119	1.6943	-3.086	-3.864	0.5174	-.0550
NEBD01251	34.7486	115.0092	.	.	.	0.2774	0.0650
NEBD01351	34.6838	115.0074	1.8587	-3.297	-3.794	0.6047	0.0081
NEBD01451	34.6827	115.0289	1.3983	-2.971	-3.469	0.4577	-.0106
NEBD01551	34.6812	115.0697	1.2585	-2.803	-3.382	0.4154	-.0004
NEBD01651	34.6810	115.1059	2.1646	-3.47	-3.973	0.5238	-.0467
NEBD01751	34.6579	115.2177	.	.	.	0.6440	.
NEBD01851	34.6494	115.2454	.	.	.	0.4429	-.0178
NEBD01951	34.6500	115.1680	.	.	.	0.4774	0.0667
NEBD02051	34.6331	115.1433	1.4051	-2.742	-3.496	0.5340	0.0342
NEBD02151	34.6473	115.1328	1.3851	-2.709	-3.553	0.4493	0.0559
NEBD02251	34.6366	115.1063	.	.	.	0.4680	0.1118
NEBD02351	34.6100	115.1288	1.1655	-2.926	-3.375	0.4178	0.1263
NEBD02451	34.6382	115.0735	.	.	.	0.4159	0.0465
NEBD02551	34.6505	115.0644	1.4640	-3.089	-3.382	0.4809	-.0659
NEBD02651	34.6599	115.1031	.	.	.	0.4242	0.0071
NEBD02751	34.6666	115.0475	1.3409	-2.78	-3.52	0.4513	0.0111
NEBD02851	34.7083	115.1927	.	.	.	0.4507	0.0678
NEBD02951	34.7431	115.2262	1.8201	-2.781	-3.852	0.5864	-.0679
NEBD03051	34.6387	115.2113	1.5030	-2.825	-3.61	0.5204	0.0359
NEBD03151	34.6251	115.1720	.	.	.	.	.
NEBD03251	34.5970	115.1781	1.8331	-3.141	-3.807	0.5581	0.1321
NEBD03351	34.5718	115.1804	.	.	.	0.2065	0.1914

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I. D.	LATITUDE	LONGITUDE	LOG U		LOG U		PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3	FACTOR 3		
NEBD03451	34.5966	115.1192	.	.	.	0.3448	0.4812	
NEBD03551	34.5673	115.1405	.	.	.	0.4787	-.0163	
NEBD03651	34.5435	115.1637	1.0175	-2.772	-3.091	0.3183	-.1422	
NEBD03751	34.5431	115.1458	1.3762	-2.897	-3.507	0.4059	0.0955	
NEBD03851	34.5135	115.1186	11.641	-8.194	-7.881	1.1815	0.2883	
NEBD03951	34.5653	115.1173	1.4236	-2.878	-3.537	0.4631	-.0159	
NEBD04051	34.5381	115.1000	1.4662	-2.894	-3.528	0.3775	-.0553	
NEBD04151	34.5280	115.0836	.	.	.	.	.	
NEBD04251	34.5015	115.0617	.	.	.	0.3497	0.0305	
NEBD04351	34.5083	115.0429	1.7327	-2.986	-3.899	0.5912	-.0860	
NEBD04451	34.5340	115.0377	1.4704	-2.712	-3.495	0.4923	-.0152	
NEBD04551	34.5667	115.0696	1.2598	-2.906	-3.393	0.3996	-.0194	
NEBD04651	34.5680	115.0299	.	.	.	0.4249	0.0802	
NEBD04751	34.6024	115.0627	2.7422	-3.605	-4.641	0.8300	0.0213	
NEBD04851	34.5927	115.0246	.	.	.	0.4556	-.0754	
NEBD04951	34.6188	115.0177	1.3448	-3.184	-3.761	0.4019	-.0402	
NEBD05051	34.6493	115.0114	.	.	.	0.3511	-.1469	
NEBE00151	34.7268	114.8424	1.7872	-2.736	-3.886	0.6839	-.0607	
NEBE00251	34.7066	114.8295	1.9672	-2.887	-4.033	0.6588	-.2117	
NEBE00351	34.6983	114.8063	1.5832	-2.542	-3.854	0.5371	-.1058	
NEBE00451	34.6691	114.7724	2.4793	-2.855	-4.169	0.8288	-.0884	
NEBE00551	34.6561	114.7567	1.7094	-2.516	-3.843	0.6091	-.0294	
NEBE00651	34.6440	114.8007	2.9709	-3.852	-4.423	0.5105	0.0577	
NEBE00751	34.6150	114.8030	1.2911	-2.678	-3.343	0.5350	-.0879	
NEBE00851	34.5845	114.8060	.	.	.	0.8036	-.0633	
NEBE00951	34.5522	114.8098	.	.	.	.	.	
NEBE01051	34.5252	114.8079	.	.	.	0.4571	0.0343	
NEBE01151	34.5291	114.8397	1.2230	-2.436	-3.505	0.5654	-.0468	
NEBE01251	34.5239	114.8769	1.6620	-2.783	-3.626	0.5814	-.0016	
NEBE01351	34.5464	114.8866	.	.	.	.	.	
NEBE01451	34.5622	114.8999	.	.	.	0.5172	0.0739	
NEBE01551	34.5749	114.9184	.	.	.	.	.	
NEBE01651	34.5931	114.9435	.	.	.	0.5119	-.0206	
NEBE01751	34.6139	114.9415	.	.	.	0.5432	.	
NEBE01851	34.6328	114.9426	1.2428	-2.702	-3.502	0.4495	-.0024	
NEBE01951	34.6559	114.9224	1.7011	-2.753	-3.63	0.6783	-.0985	
NEBE02051	34.6714	114.9106	.	.	.	0.3666	-.1905	
NEBE02151	34.6863	114.8751	.	.	.	0.4499	0.0415	
NEBE02251	34.6827	114.8354	1.0586	-2.64	-3.352	0.4595	0.0590	
NEBE02351	34.6801	114.7990	1.0580	-2.194	-3.499	0.3905	-.0481	
NEBE02451	34.7206	114.8647	1.5497	-2.576	-3.686	0.5106	0.0079	
NEBE02551	34.7146	114.8847	.	.	.	0.3719	-.0294	
NEBE02651	34.7061	114.9095	2.9801	-3.363	-4.416	0.8935	0.0150	
NEBE02751	34.7044	114.9424	1.4168	-2.777	-3.525	0.4574	-.0102	
NEBE02851	34.7037	114.9884	1.4781	-2.9	-3.662	0.4937	0.0248	
NEBE02951	34.7333	114.9905	1.2026	-2.528	-3.411	0.4191	-.0041	
NEBE03051	34.6735	114.9847	.	.	.	0.4787	-.0016	
NEBE03151	34.6457	114.9912	1.5660	-2.587	-3.611	0.6115	-.0205	
NEBE03251	34.6154	114.9871	1.4963	-2.923	-3.669	0.4331	0.0440	
NEBE03351	34.6846	114.9471	1.4877	-2.504	-3.481	0.5461	-.0548	
NEBE03451	34.7350	114.9479	.	.	.	0.4382	-.1159	
NEBE03551	34.6703	114.8857	1.9947	-2.849	-3.898	0.7199	-.0387	
NEBE03651	34.6510	114.8734	1.9080	-2.9	-3.71	0.6678	-.0551	
NEBE03751	34.6320	114.8513	2.4307	-3.237	-3.842	0.7762	-.0602	
NEBE03851	34.6156	114.8328	.	.	.	0.9216	-.1508	
NEBE03951	34.6120	114.7650	1.2407	-2.548	-3.39	0.4309	0.0005	

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U		PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2		
NEBE040S1	34.5810	114.7657	.	.	.	.
NEBE041S1	34.5537	114.7652	1.3334	-2.782	-3.601	0.4231
NEBE042S1	34.5221	114.7684	.	.	.	0.5754
NEBE043S1	.	.	.	.	.	-0.1282
NEBE044S1	34.7295	114.9108	.	.	.	0.6157
NEBE045S1	34.6975	114.7723	1.0980	-2.595	-3.416	-0.0475
NEBE046S1	34.5830	114.9811	.	.	.	-0.0716
NEBE047S1	34.5695	114.9460	.	.	.	-0.0344
NEBE048S1	34.5492	114.9434	1.5262	-2.964	-3.703	.
NEBE049S1	34.5495	114.9850	.	.	.	0.4374
NEBE050S1	34.5231	114.9471	0.9762	-2.453	-3.287	0.0397
NEBE051S1	34.5221	114.9827	2.3018	-3.232	-4.218	0.3585
NEBE052S1	34.7394	114.8094	2.1098	-2.436	-4.321	0.6356
NEBF001S1	34.7430	114.6045	1.3657	-2.534	-3.661	0.8210
NEBF002S1	34.7239	114.6063	1.9912	-3.047	-4.173	0.6379
NEBF003S1	34.7077	114.6117	.	.	.	-0.1064
NEBF004S1	34.6860	114.6141	1.5276	-2.543	-3.587	0.4491
NEBF005S1	34.6983	114.5684	1.3802	-2.61	-3.663	0.2182
NEBF006S1	34.7056	114.5400	1.6422	-2.883	-3.924	0.5138
NEBF007S1	34.7090	114.5171	.	.	.	-0.0667
NEBF008S1	34.6642	114.6210	2.0939	-3.207	-4.302	0.5940
NEBF009S1	34.6485	114.6271	2.2957	-3.124	-4.33	0.3627
NEBF010S1	34.6691	114.6485	3.4086	-3.782	-4.875	0.5884
NEBF011S1	34.6722	114.6747	2.7093	-3.13	-4.361	-0.0202
NEBF012S1	34.6722	114.7045	2.0225	-2.941	-4.059	0.5877
NEBF013S1	34.6750	114.7355	.	.	.	0.6692
NEBF014S1	34.6086	114.6371	1.5531	-2.543	-3.644	0.6972
NEBF015S1	34.5824	114.6421	.	.	.	-0.1062
NEBF016S1	34.5479	114.6455	1.5683	-2.58	-3.838	0.4637
NEBF017S1	34.5293	114.6472	.	.	.	-0.0323
NEBF018S1	34.5026	114.6484	.	.	.	0.5543
NEBF019S1	34.5216	114.6779	.	.	.	-0.0919
NEBF020S1	34.5107	114.7057	1.5739	-2.665	-3.7	0.5939
NEBF021S1	34.5761	114.6622	1.3120	-2.581	-3.783	0.5176
NEBF022S1	34.5921	114.6809	0.9801	-2.643	-3.714	0.4176
NEBF023S1	34.6113	114.6864	.	.	.	0.1952
NEBF024S1	34.5806	114.7122	1.3317	-2.661	-3.574	0.6407
NEBF025S1	34.6022	114.7119	.	.	.	0.4219
NEBF026S1	34.6236	114.7174	1.3938	-2.387	-3.714	0.1988
NEBF027S1	34.6083	114.7394	1.9414	-2.992	-4.232	0.3718
NEBF028S1	34.6485	114.7072	1.7948	-2.959	-4.045	0.3814
NEBF029S1	34.6483	114.6770	2.1513	-2.979	-4.284	0.5401
NEBF030S1	34.6471	114.7442	1.3994	-2.561	-3.799	0.6376
NEBF031S1	34.5113	114.7423	.	.	.	0.5090
NEBF032S1	34.5495	114.7196	1.6871	-2.814	-3.876	-0.1061
NEBF033S1	34.5507	114.6834	1.8556	-3.187	-3.985	0.5015
NEBF034S1	34.5771	114.6150	.	.	.	0.5015
NEBF035S1	34.5569	114.6117	1.4271	-2.335	-3.756	0.4233
NEBF036S1	34.5330	114.6031	.	.	.	-0.1446
NEBF037S1	34.5204	114.5803	.	.	.	-0.1486
NEBF038S1	34.6345	114.6108	1.0958	-2.515	-3.533	0.5008
NEBF039S1	34.6180	114.5982	.	.	.	0.5723
NEBF040S1	34.6135	114.5734	.	.	.	0.4233
NEBF041S1	34.6196	114.5505	.	.	.	0.5800
NEBF042S1	34.6128	114.5227	1.7992	-2.619	-3.776	0.4323
NEBF043S1	34.6013	114.5045	1.5222	-2.764	-3.539	0.5723

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEBF04451	34.7433	114.6720	1.7441	-2.557	-3.876	0.6712	0.0364
NEBF04551	34.7376	114.6393	2.4672	-3.263	-4.603	0.6413	-.1942
NEBF04651	34.7126	114.6325	2.1874	-2.823	-4.232	0.6621	-.0389
NEBF04751	34.7242	114.6990	2.0814	-2.883	-4.274	0.5079	-.0308
NEBF04851	34.7203	114.6802	1.6665	-2.727	-4.022	0.4811	-.0040
NEBF04951	34.7177	114.7212	3.8902	-3.795	-5.069	1.0069	-.1618
NEBF05051	34.7195	114.7404	1.0526	-2.054	-3.686	0.6865	-.0738
NEBG00151	34.7439	114.4798	.	.	.	.	.
NEBG00251	34.7300	114.4473	1.8310	-2.389	-4.275	0.5848	-.0407
NEBG00351	34.7229	114.4164	1.5981	-2.564	-3.834	0.6281	0.0153
NEBG00451	34.7270	114.3781	1.8110	-2.504	-4.175	0.6803	0.0099
NEBG00551	34.7285	114.3309	.	.	.	.	.
NEBG00651	34.7296	114.3005	.	.	.	.	.
NEBG00751	34.7327	114.2622	.	.	.	.	.
NEBG00851	34.7025	114.3104	.	.	.	.	.
NEBG00951	34.6416	114.2557	.	.	.	.	.
NEBG01051	34.6481	114.2966	.	.	.	0.5406	.
NEBG01151	34.6782	114.2989	1.1352	-2.037	-3.58	0.4844	-.0372
NEBG01251	34.6394	114.3328	1.7160	-1.731	-4.063	0.5895	0.2300
NEBG01351	34.6635	114.3462	.	.	.	0.9317	0.1365
NEBG01451	34.6750	114.3672	.	.	.	0.4691	.
NEBG01551	34.6969	114.3741	.	.	.	.	.
NEBG01651	34.6167	114.3438	.	.	.	0.3028	0.1122
NEBG01751	34.6089	114.3690	1.3680	-2.286	-3.932	0.4559	0.0493
NEBG01851	34.6019	114.3942	.	.	.	.	.
NEBG01951	34.5833	114.3717	.	.	.	0.4078	0.1107
NEBG02051	34.5678	114.3888	.	.	.	.	.
NEBG02151	34.7288	114.3583	.	.	.	.	.
NEBG02251	34.7178	114.4936	.	.	.	.	.
NEBG02351	34.7063	114.4375	1.9185	-2.194	-4.433	0.5786	-.1314
NEBG02451	34.6865	114.4369	.	.	.	0.5264	-.0350
NEBG02551	34.6580	114.4416	.	.	.	0.5594	-.0031
NEBG02651	34.6693	114.4246	.	.	.	.	.
NEBG02751	34.6878	114.4060	2.2920	-1.749	-4.487	0.7963	0.0488
NEBG02851	34.7053	114.4034	2.0137	-2.439	-4.331	0.5372	-.0320
NEBG02951	34.7105	114.3371	.	.	.	.	.
NEBG03051	34.7137	114.2779	1.5862	-2.372	-3.894	0.5567	0.1757
NEBG03151	34.6620	114.2640	.	.	.	.	.
NEBG03251	34.5793	114.3480	1.5762	-2.165	-4.111	0.5616	0.0512
NEBG03351	34.5878	114.3263	.	.	.	.	.
NEBG03451	34.5809	114.2880	1.5225	-2.069	-3.87	0.4672	0.1762
NEBG03551	34.5706	114.3101	2.1059	-2.511	-4.36	0.6431	-.0410
NEBG03651	34.5638	114.3317	.	.	.	.	.
NEBG03751	34.5471	114.3258	1.3857	-2.156	-3.633	0.5064	0.0847
NEBG03851	34.6970	114.4792	1.4579	-2.319	-3.715	0.5377	0.0064
NEBG03951	34.6602	114.4902	.	.	.	0.3747	-.0737
NEBG04051	34.6381	114.4752	.	.	.	.	.
NEBG04151	34.6738	114.4696	1.4191	-2.329	-3.96	0.4381	-.0231
NEBG04251	34.5061	114.3588	.	.	.	.	.
NEBG04351	34.5307	114.3678	1.4422	-2.499	-3.762	0.5717	-.0531
NEBG04451	34.5568	114.3689	1.5488	-2.435	-4.077	0.5172	-.0700
NEBG04551	34.5161	114.3382	.	.	.	.	.
NEBG04651	34.5226	114.2989	1.2388	-2.302	-4.074	0.3503	-.0715
NEBG04751	34.5217	114.2677	.	.	.	.	.
NEBG04851	34.5340	114.2513	.	.	.	.	.
NEBG04951	34.5384	114.2748	.	.	.	.	.

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEBG050S1	34.5918	114.4393	.	.	.	0.4423	-.0444
NEBG051S1	34.5620	114.4418	.	.	.	0.3450	0.0700
NEBG052S1	34.5633	114.4165	.	.	.	.	.
NEBG053S1	34.5417	114.4431	.	.	.	0.4442	-.0462
NEBG054S1	34.5292	114.3957	.	.	.	0.4255	.
NEBG055S1	34.5240	114.4736	.	.	.	.	.
NEBG056S1	34.5208	114.4420	.	.	.	0.4316	-.0699
NEBG057S1	34.5093	114.3979	1.8666	-2.551	-3.795	0.7953	0.0680
NEBH001S1	34.7397	114.2298	1.4831	-2.179	-3.841	0.5504	-.0319
NEBH002S1	34.7132	114.1932	.	.	.	0.7722	0.1086
NEBH003S1	34.7333	114.1929	1.4032	-1.809	-3.641	0.7164	-.1143
NEBH004S1	34.7358	114.1544	.	.	.	.	.
NEBH005S1	34.7275	114.1330	2.2183	-1.783	-4.16	1.0387	0.0512
NEBH006S1	34.7155	114.1397	1.8386	-2.171	-3.872	0.7524	0.0672
NEBH007S1	34.6975	114.1477	1.7558	-2.391	-4.276	0.5787	0.0011
NEBH008S1	34.6791	114.1659	2.7167	-2.861	-4.658	0.5627	0.0708
NEBH009S1	34.6532	114.1535	.	.	.	.	.
NEBH010S1	34.6460	114.1385	3.0898	-2.619	-4.498	0.8314	0.0551
NEBH011S1	34.6692	114.1906	.	.	.	0.5876	-.0436
NEBH012S1	34.6526	114.2023	.	.	.	0.4869	-.0890
NEBH013S1	34.6553	114.2349	.	.	.	0.5841	0.1402
NEBH014S1	34.6832	114.2201	1.3873	-2.285	-3.744	0.5401	-.0630
NEBH015S1	34.7144	114.2339	1.5622	-2.533	-4.067	0.5922	-.0359
NEBH016S1	34.7035	114.1143	.	.	.	1.1128	0.1449
NEBH017S1	34.6851	114.0961	2.0754	-1.692	-4.098	0.8730	-.0038
NEBH018S1	34.6472	114.0892	.	.	.	0.4283	-.0666
NEBH019S1	34.6482	114.1093	.	.	.	0.5176	-.0263
NEBH020S1	34.6559	114.0531	2.0128	-1.886	-4.089	0.8976	0.0566
NEBH021S1	34.6612	114.0330	2.4460	-1.72	-4.058	1.1309	0.0705
NEBH022S1	34.6696	114.0471	1.8598	-1.704	-4.083	0.9177	-.0313
NEBH023S1	34.6673	114.0116	3.1178	-1.724	-4.608	1.2737	0.1243
NEBH024S1	34.7054	114.0172	2.5810	-1.92	-4.528	0.9436	-.0351
NEBH025S1	34.7203	114.0356	2.4884	-1.752	-4.41	1.0010	0.1482
NEBH026S1	34.7303	114.0252	.	.	.	1.0553	.
NEBH027S1	34.7349	114.0533	2.6872	-1.869	-4.583	1.1282	0.0508
NEBH028S1	34.7350	114.0790	1.6882	-2.043	-3.831	0.6835	0.1361
NEBH029S1	34.6203	114.1845	1.2786	-2.855	-3.477	0.4952	-.0181
NEBH030S1	34.6061	114.1811	.	.	.	.	.
NEBH031S1	34.5775	114.2059	1.6512	-2.928	-4.075	0.3726	0.0076
NEBH032S1	34.5710	114.2163	.	.	.	.	.
NEBH033S1	34.6019	114.1529	1.4729	-2.815	-3.725	0.4662	-.0682
NEBH034S1	34.5763	114.1455	1.1511	-2.935	-3.726	0.3333	0.0091
NEBH035S1	34.5826	114.1297	2.3317	-2.815	-4.069	0.7064	0.1325
NEBH036S1	34.5985	114.1270	.	.	.	0.4645	-.0843
NEBH037S1	34.6151	114.1096	.	.	.	0.5168	-.1019
NEBH038S1	34.6091	114.0924	.	.	.	0.4466	-.0153
NEBH039S1	34.5787	114.1092	.	.	.	0.4501	-.0883
NEBH040S1	34.5674	114.0994	.	.	.	0.5099	-.0786
NEBH041S1	34.5513	114.1177	.	.	.	0.2377	-.0336
NEBH042S1	34.5460	114.0996	.	.	.	0.4742	-.2189
NEBH043S1	34.5118	114.0794	2.3922	-3.278	-4.342	0.6063	-.1591
NEBH044S1	34.5142	114.1083	.	.	.	.	.
NEBH045S1	34.5416	114.0543	2.0659	-2.802	-4.097	0.5328	-.1179
NEBH046S1	34.5271	114.0476	.	.	.	0.3996	-.2535
NEBH047S1	34.5455	114.0212	1.2601	-2.464	-3.559	0.5427	-.0112
NEBH048S1	34.5287	114.0011	.	.	.	0.8075	.



FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEBH049S1	34.5752	114.0185	.	.	.	0.6222	-.0202
NEBH050S1	34.5931	114.0105	.	.	.	0.7539	0.0722
NEBH051S1	34.5849	114.0382	.	.	.	0.3342	-.0789
NEBH052S1	34.5999	114.0435	.	.	.	0.2737	-.0696
NEBH053S1	34.6229	114.0585	2.6097	-3.062	-4.349	1.1004	-.0551
NEBH054S1	34.5512	114.2265	1.0035	-2.211	-3.43	0.4346	-.0032
NEBH055S1	34.5515	114.2108	1.4571	-2.659	-3.632	0.5687	-.0915
NEBH056S1	34.5195	114.2340	1.9576	-2.272	-3.878	0.6420	0.0207
NEBH057S1	34.5209	114.2112	.	.	.	0.3575	-.0565
NEBH058S1	34.5161	114.1684	0.8745	-2.086	-3.494	0.3799	0.0351
NEBH059S1	34.5327	114.1657	1.0812	-2.566	-3.875	0.2702	-.0397
NECA001S1	34.2530	115.9832	2.1857	-3.004	-4.367	0.6938	-.1140
NECA002S1	34.2621	115.9871	2.2007	-3.395	-4.061	0.7504	-.3886
NECA003S1	34.2829	115.9904	1.6841	-2.746	-3.96	0.5739	-.0299
NECA004S1	34.2985	115.9770	.	.	.	0.5416	0.0147
NECA005S1	34.3023	115.9524	.	.	.	0.4226	.
NECA006S1	34.3047	115.9080	.	.	.	0.7755	0.0168
NECA007S1	34.3095	115.8812	.	.	.	0.5581	.
NECA008S1	34.3179	115.8959	2.2833	-2.885	-4.244	0.7374	-.0472
NECA009S1	34.3142	115.9288	.	.	.	.	.
NECA010S1	34.3356	115.9371	1.3683	-2.542	-3.559	0.4933	0.0252
NECA011S1	34.3491	115.9446	.	.	.	.	.
NECA012S1	34.3672	115.9494	1.6004	-2.676	-3.759	0.6094	0.0034
NECA013S1	34.3858	115.8487	2.4303	-2.8	-4.202	0.8432	0.1206
NECA014S1	34.3714	115.8458	1.3046	-2.269	-3.561	0.4932	-.0161
NECA015S1	34.3610	115.8428	.	.	.	.	.
NECA016S1	34.3499	115.8274	0.9756	-2.248	-3.531	0.2695	0.1618
NECA017S1	34.3420	115.8385	1.4217	-2.393	-3.759	0.4836	0.1292
NECA018S1	34.3247	115.8357	.	.	.	0.3935	0.0689
NECA019S1	34.3112	115.8226	.	.	.	0.5069	0.0246
NECA020S1	34.3007	115.8131	1.7020	-2.518	-3.788	0.5537	0.0026
NECA021S1	34.2874	115.7982	.	.	.	0.5438	-.0252
NECA022S1	34.3030	115.7868	1.6818	-2.865	-3.811	0.5550	-.0109
NECA023S1	34.3755	115.9508	2.5450	-3.016	-4.054	0.8616	0.0627
NECA024S1	34.3566	115.9688	1.9290	-2.952	-4.028	0.5412	0.0151
NECA025S1	34.4166	115.9870	1.8734	-2.782	-3.926	0.5786	0.0549
NECA026S1	34.4457	115.9840	2.2197	-3.238	-4.153	0.7390	0.0014
NECA027S1	34.4642	115.9756	1.4664	-2.992	-3.511	0.5540	-.0355
NECA028S1	34.4229	115.9552	.	.	.	.	.
NECA029S1	34.4255	115.8951	1.4348	-2.893	-3.564	0.4670	0.0771
NECA030S1	34.4619	115.8715	1.4572	-2.765	-3.533	0.5816	0.0417
NECA031S1	34.4586	115.9234	.	.	.	0.1482	0.2497
NECA032S1	34.3994	115.8542	1.4799	-2.772	-3.382	0.5935	-.0494
NECA033S1	34.4883	115.8856	0.8878	-2.395	-3.45	0.3076	-.0771
NECB001S1	34.2571	115.7214	1.5928	-3.122	-3.783	0.5356	0.0326
NECB002S1	34.2756	115.7156	1.5615	-2.987	-3.65	0.5246	-.0194
NECB003S1	34.2944	115.7113	1.8313	-2.682	-3.707	0.6895	0.0664
NECB004S1	34.3124	115.7038	2.0795	-3.287	-4.17	0.5482	0.0081
NECB005S1	34.3303	115.6946	1.9448	-3.087	-4.012	0.6143	0.1339
NECB006S1	34.3494	115.6942	1.6806	-3.174	-3.863	0.5013	-.0099
NECB007S1	34.3413	115.7141	1.5274	-2.609	-3.527	0.5959	0.1365
NECB008S1	34.3676	115.6934	1.4595	-2.676	-3.543	0.5481	0.0540
NECB009S1	34.3873	115.6961	.	.	.	0.5182	0.0003
NECB010S1	34.3793	115.7165	.	.	.	0.5810	0.3921
NECB011S1	34.4047	115.7043	.	.	.	0.6010	0.0222
NECB012S1	34.4060	115.7255	.	.	.	.	.

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NECB013S1	34.4226	115.7156	.	.	.	0.6672	0.0317
NECB014S1	34.4393	115.7241	1.6557	-2.511	-3.88	0.4486	0.0699
NECB015S1	34.4558	115.7406	.	.	.	0.2158	-0.117
NECB016S1	34.4763	115.7429	.	.	.	0.4714	-0.1290
NECB017S1	34.4982	115.7433	.	.	.	0.5091	0.0707
NECB018S1	34.2963	115.6927	1.6217	-3.041	-3.724	0.6192	0.0219
NECB019S1	34.3134	115.6810	.	.	.	0.6857	0.0684
NECB020S1	34.3320	115.6665	2.1888	-3.223	-3.918	0.7240	-0.0035
NECB021S1	34.3483	115.6502	2.1173	-2.894	-3.869	0.2040	-0.1248
NECB022S1	34.3680	115.6464	1.6393	-2.967	-3.655	0.3914	0.6214
NECB023S1	34.3835	115.6320	.	.	.	0.3567	0.0050
NECB024S1	.	.	1.3196	-2.694	-3.474	0.6026	.
NECB025S1	34.4159	115.6073	.	.	.	0.6723	0.1406
NECB026S1	34.4355	115.5970	.	.	.	0.3580	0.0733
NECB027S1	34.4450	115.5765	2.1361	-3.081	-4.384	0.5591	0.0319
NECB028S1	34.4568	115.5609	.	.	.	0.4014	-0.0035
NECB029S1	34.4699	115.5422	1.5508	-2.915	-3.695	0.5527	-0.0212
NECB030S1	34.4819	115.5265	.	.	.	0.5367	0.0196
NECB031S1	34.4979	115.5053	1.5201	-2.91	-3.654	0.5050	0.0970
NECB032S1	34.2796	115.6755	.	.	.	0.6937	0.0387
NECB033S1	34.2787	115.6378	1.7880	-3.204	-3.878	0.3627	0.1144
NECB034S1	34.2746	115.6082	1.6809	-2.894	-3.642	.	.
NECB035S1	34.2610	115.5589	.	.	.	0.4851	0.0201
NECB036S1	34.2775	115.5741	1.4722	-3.106	-3.667	0.5600	-0.0036
NECB037S1	34.3103	115.6029	.	.	.	0.5740	0.0887
NECB038S1	34.3440	115.6077	1.5211	-3.072	-3.839	0.2353	.
NECB039S1	34.3126	115.6538	1.5450	-2.89	-3.541	0.2502	0.4310
NECB040S1	34.4488	115.6017	1.6009	-2.516	-3.87	0.3113	0.3608
NECB041S1	34.4640	115.6167	.	.	.	0.2812	0.2503
NECB042S1	34.4649	115.6463	.	.	.	0.4491	0.0824
NECB043S1	34.4822	115.6348	1.0648	-2.668	-3.408	0.6271	0.0357
NECB044S1	34.4970	115.6479	.	.	.	0.5987	0.0348
NECB045S1	34.3672	115.5029	1.1971	-2.658	-3.568	.	.
NECB046S1	34.3562	115.5358	1.6563	-2.657	-3.666	0.4654	0.0909
NECB047S1	34.3857	115.5142	.	.	.	0.5913	0.0989
NECB048S1	34.3832	115.5370	.	.	.	0.3966	0.1349
NECB049S1	34.3806	115.5605	0.7435	-2.382	-3.349	0.4503	0.0411
NECB050S1	34.4027	115.5263	.	.	.	0.6635	0.0525
NECB051S1	34.4110	115.5630	1.1157	-2.534	-3.548	0.4879	-0.0255
NECB052S1	34.4175	115.5341	.	.	.	0.4696	0.0489
NECB053S1	34.4338	115.5423	.	.	.	0.4413	-0.1625
NECB054S1	34.4453	115.5245	1.2083	-2.352	-3.629	0.4806	-0.0034
NECB055S1	34.4504	115.5007	.	.	.	0.5101	-0.0630
NECC001S1	34.4881	115.4781	.	.	.	.	.
NECC002S1	34.4667	115.4566	0.9394	-2.095	-2.956	0.4413	-0.1625
NECC003S1	34.4559	115.4403	.	.	.	0.5101	-0.0630
NECC004S1	34.4435	115.4241	.	.	.	.	.
NECC005S1	34.4104	115.4029	.	.	.	.	.
NECC006S1	34.3814	115.4027	.	.	.	0.3396	-0.1092
NECC007S1	34.4295	115.3940	.	.	.	.	.
NECC008S1	34.4289	115.3601	1.8241	-3.34	-3.87	0.4533	0.0091
NECC009S1	34.4051	115.3516	.	.	.	.	.
NECC010S1	34.3931	115.3320	.	.	.	0.5249	.
NECC011S1	34.3803	115.3102	1.8124	-3.004	-3.789	0.5615	0.1106
NECC012S1	34.3569	115.3297	.	.	.	0.5648	-0.0085
NECC013S1	34.3452	115.3429	1.6116	-2.979	-3.761	0.5607	0.0521

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U		FACTOR 3	PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2			
NECC014S1	34.3313	115.3561	.	.	.	.	.
NECC015S1	34.3255	115.2527	1.8665	-2.993	-3.83	0.6366	-.0032
NECC016S1	34.3451	115.2728	1.6876	-2.768	-3.573	0.5483	0.1999
NECC017S1	34.3424	115.2877	.	.	.	.	.
NECC018S1	34.3436	115.3017	.	.	.	.	.
NECC019S1	34.3951	115.2915	1.7230	-2.912	-3.691	0.5600	0.0734
NECC020S1	34.4162	115.2991	.	.	.	0.4903	0.0282
NECC021S1	34.4445	115.3097	1.4765	-2.904	-3.626	0.4531	0.0784
NECC022S1	34.4654	115.3178	1.4520	-2.933	-3.631	0.4925	0.0516
NECC023S1	34.4899	115.3266	.	.	.	0.5759	-.0196
NECC024S1	34.4747	115.2818	.	.	.	0.5803	.
NECC025S1	34.4814	115.2543	1.5745	-2.821	-3.624	0.5082	0.1820
NECC026S1	34.3793	115.2741	.	.	.	0.4486	-.0336
NECC027S1	34.4018	115.2536	1.6721	-3.045	-3.688	0.5416	0.0605
NECC028S1	34.3456	115.4893	.	.	.	.	.
NECC029S1	34.3292	115.4778	1.5431	-2.526	-3.717	0.4919	0.0266
NECC030S1	34.3096	115.4647	.	.	.	0.4383	.
NECC031S1	34.2918	115.4547	.	.	.	.	.
NECC032S1	34.2742	115.4435	1.4294	-2.558	-3.703	0.4916	0.0525
NECC033S1	34.2671	115.4658	2.1205	-3.021	-4.102	0.5401	0.0510
NECC034	34.2522	115.4284	.	.	.	.	.
NECC035	34.4504	115.4781	.	.	.	.	.
NECD001S1	34.2615	115.1012	0.6862	-2.039	-2.908	0.1886	0.3796
NECD002S1	34.2751	115.1196	1.8610	-2.914	-4.011	0.6450	-.0323
NECD003S1	34.2816	115.1399	1.4115	-2.391	-3.583	0.5222	0.0341
NECD004S1	34.2761	115.1691	1.7982	-2.371	-3.932	0.6406	0.0315
NECD005S1	34.2819	115.1871	.	.	.	.	.
NECD006S1	34.2915	115.2153	1.7431	-3.062	-3.549	0.5512	0.0509
NECD007S1	34.2734	115.2155	1.7538	-2.677	-4.008	0.4001	0.0471
NECD008S1	34.3073	115.2201	1.5181	-2.199	-3.789	0.5262	0.0302
NECD009S1	34.3256	115.2240	.	.	.	.	.
NECD010S1	34.3136	115.2454	1.3472	-2.387	-3.57	0.4895	0.0290
NECD011S1	34.3467	115.2249	2.0430	-2.357	-4.046	0.6382	0.1399
NECD012S1	34.2624	115.1893	.	.	.	0.4846	0.0339
NECD013S1	34.2526	115.1686	.	.	.	.	.
NECD014S1	34.2650	115.1461	.	.	.	0.5232	.
NECD015S1	34.3131	115.1723	1.0421	-1.769	-3.585	0.3136	0.0482
NECD016S1	34.2974	115.1673	1.5468	-2.493	-4.18	0.4300	-.0498
NECD017S1	34.3080	115.1460	2.8626	-2.537	-4.695	0.9904	0.2426
NECD018S1	34.3266	115.1342	1.2454	-2.54	-3.759	0.3466	0.0848
NECD019S1	34.3443	115.1088	1.8834	-2.258	-3.881	0.6451	0.0625
NECD020S1	34.3717	115.1493	2.0641	-2.148	-4.314	0.6490	0.0913
NECD021S1	34.3610	115.1660	2.3619	-2.227	-4.188	0.7916	0.1327
NECD022S1	34.3649	115.1111	2.0505	-2.347	-3.87	0.7936	0.1149
NECD023S1	34.3456	115.0786	1.9581	-2.654	-3.723	0.7206	0.0502
NECD024S1	34.3111	115.0930	1.9111	-2.618	-3.614	0.7138	0.0991
NECD025S1	34.2881	115.0968	1.5230	-2.737	-3.816	0.4963	0.0352
NECD026S1	34.2594	115.0780	1.4748	-2.489	-3.493	0.5355	0.0666
NECD027S1	34.2801	115.0733	1.8291	-2.567	-3.835	0.5729	0.1083
NECD028S1	34.3039	115.0689	1.2440	-2.471	-3.572	0.3469	0.0680
NECD029S1	34.3261	115.0722	1.6045	-2.678	-3.7	0.5007	0.2236
NECD030S1	34.3614	115.0565	.	.	.	.	.
NECD031S1	34.3426	115.0365	1.6991	-2.548	-4.054	0.5010	0.1522
NECD032S1	34.3301	115.0086	1.7664	-2.356	-3.977	0.6405	0.0407
NECD033S1	34.3016	115.0034	2.4399	-2.234	-4.711	0.8509	0.2173
NECD034S1	34.2836	115.0036	.	.	.	0.7626	0.2286

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NECD03551	34.3034	115.0273	1.4200	-1.968	-3.879	0.5828	-.0643
NECD03651	34.2804	115.0266	2.9209	-2.785	-4.977	0.8441	-.0246
NECD03751	34.2627	115.0025	1.5010	-1.451	-4.218	0.5651	0.0477
NECD03851	34.3792	115.0724	1.6379	-2.782	-3.703	0.5886	0.1274
NECD03951	34.4019	115.0671	1.5459	-3.04	-3.796	0.4839	0.1289
NECD04051	34.4231	115.0636	1.1744	-2.649	-3.553	0.3966	0.1219
NECD04151	34.4531	115.0555	1.3077	-2.526	-3.398	0.5370	-.0319
NECD04251	34.4805	115.0621	.	.	.	0.5740	0.0792
NECD04351	34.4871	115.0290	1.6628	-3.029	-3.707	0.4940	-.0790
NECD04451	34.4866	115.0120	.	.	.	0.4818	0.1414
NECD04551	34.4648	115.0341	.	.	.	0.4970	0.0712
NECD04651	34.4630	115.0150	1.1805	-2.513	-3.634	0.3924	-.0914
NECD04751	34.4381	115.0407	1.8003	-2.693	-3.941	0.5633	0.1269
NECD04851	34.4047	115.0469	1.2763	-2.564	-3.625	0.3991	0.1195
NECD04951	34.3939	115.0334	1.8500	-2.841	-3.711	0.6916	-.0104
NECD05051	34.3848	115.0136	.	.	.	0.5952	0.1037
NECD05151	34.4121	115.0127	2.0154	-3.116	-3.911	0.5258	0.1076
NECD05251	34.4312	115.0076	2.3455	-3.44	-4.305	0.4927	0.0125
NECD05351	34.4073	115.0956	.	.	.	0.3474	0.1711
NECD05451	34.4237	115.1089	1.4442	-2.563	-3.756	0.4682	0.1000
NECD05551	34.4444	115.1235	2.5203	-3.278	-4.296	0.5394	0.0404
NECD05651	34.4628	115.1339	.	.	.	0.5688	0.8626
NECD05751	34.4844	115.1463	.	.	.	0.5090	0.1038
NECD05851	34.3776	115.0988	1.3532	-2.699	-3.728	0.4375	0.0677
NECD05951	34.4032	115.1308	1.7133	-2.684	-3.884	0.5472	0.1249
NECD06051	34.4134	115.1491	.	.	.	0.6632	0.0357
NECD06151	34.4239	115.1632	1.9840	-2.801	-4.086	0.6600	0.1393
NECD06251	34.3776	115.1278	1.5332	-2.651	-3.531	0.4729	0.0456
NECD06351	34.4079	115.2483	1.9734	-2.669	-4.137	0.6795	0.0195
NECD06451	34.4196	115.2391	2.1349	-2.044	-4.05	0.7700	0.2256
NECD06551	34.4296	115.2231	.	.	.	0.5830	0.0190
NECD06651	34.4872	115.2346	2.4385	-2.555	-4.106	0.7263	0.1188
NECD06751	34.4961	115.2064	2.2338	-2.846	-4.226	0.6366	0.0536
NECE00151	34.4865	114.7630	1.3633	-1.957	-3.968	0.5057	0.0128
NECE00251	34.4727	114.7989	.	.	.	0.7881	0.0811
NECE00351	34.4483	114.8319	1.4932	-1.883	-3.902	0.4979	0.0932
NECE00451	34.4336	114.8385	.	.	.	0.3840	-.0830
NECE00551	34.4303	114.8223	2.1811	-2.714	-4.524	0.5520	-.0606
NECE00651	34.4596	114.7848	1.2675	-2.385	-3.895	0.3452	-.0442
NECE00751	34.4496	114.7650	.	.	.	0.3320	-.0098
NECE00851	34.4717	114.8348	.	.	.	0.6478	-.1854
NECE00951	34.4611	114.8605	2.9484	-3.409	-4.725	0.2849	-.0297
NECE01051	34.4399	114.8802	.	.	.	.	.
NECE01151	34.4754	114.8776	1.9000	-2.769	-4.282	0.5795	-.0744
NECE01251	34.4735	114.9008	.	.	.	.	.
NECE01351	34.4822	114.9331	1.2872	-2.099	-3.761	0.5082	-.0768
NECE01451	34.4818	114.9667	.	.	.	0.5732	-.1583
NECE01551	34.4858	114.9961	.	.	.	.	.
NECE01651	34.3676	114.9786	1.3106	-2.182	-3.8	0.3457	0.0161
NECE01751	34.3607	114.9560	1.6453	-2.247	-4.094	0.5026	0.0537
NECE01851	34.3477	114.9357	1.9042	-2.308	-4.375	0.6898	0.1096
NECE01951	34.4862	114.8068	2.1067	-2.60	-4.391	0.4055	-.1045
NECE02051	34.3749	114.7575	1.2749	-2.552	-3.838	0.4187	0.0127
NECE02151	34.4591	114.8891	1.6066	-1.981	-4.215	0.5259	-.0345
NECE02251	34.4431	114.9010	1.9928	-2.385	-4.492	0.5929	-.1457
NECE02351	34.4416	114.9175	.	.	.	0.5659	.

## FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NECE024S1	34.4361	114.9296	1.7984	-2.15	-4.289	0.5664	0.0770
NECE025S1	34.4138	114.9429	2.1302	-2.521	-4.286	0.6045	-.0024
NECE026S1	34.4107	114.9661	1.3507	-2.51	-3.819	0.4639	-.0015
NECE027S1	34.4392	114.9795	.	.	.	0.5462	0.0220
NECE028S1	34.4577	114.9879	.	.	.	0.5190	-.0877
NECE029S1	34.3972	114.9428	1.7167	-2.658	-3.922	0.5948	-.0385
NECE030S1	34.4039	114.8994	1.5733	-2.842	-3.777	0.4858	0.0582
NECE031S1	34.3886	114.8669	2.9404	-3.213	-4.904	0.8172	0.1322
NECE032S1	34.3604	114.9052	1.9097	-2.704	-3.867	0.5873	0.0148
NECE033S1	34.3733	114.9446	.	.	.	.	.
NECE034S1	34.3372	114.9800	1.9831	-2.971	-4.163	0.6813	0.0089
NECE035S1	34.3067	114.9878	2.5677	-2.842	-4.603	0.7351	0.0283
NECE036S1	34.2740	114.9773	1.8108	-2.507	-4.009	0.6069	-.0271
NECF001S1	34.4785	114.7335	1.6440	-1.289	-4.477	0.6771	-.0239
NECF002S1	34.4831	114.7066	.	.	.	0.3155	-.0367
NECF003S1	34.4873	114.6986	2.2575	-1.607	-4.772	0.8741	0.2464
NECF004S1	34.4636	114.6949	1.4930	-1.293	-4.247	0.5420	-.0649
NECF005S1	34.4304	114.6323	1.1215	-1.393	-3.944	0.4428	-.0625
NECF006S1	34.4333	114.6610	.	.	.	0.4001	0.0149
NECF007S1	34.4338	114.6913	.	.	.	.	.
NECF008S1	34.4459	114.7413	.	.	.	.	.
NECF009S1	34.4384	114.7244	.	.	.	.	.
NECF010S1	34.4059	114.6531	1.5786	-1.686	-4.754	0.5241	0.0441
NECF011S1	34.3694	114.6548	1.0067	-1.544	-3.884	0.4579	-.1792
NECF012S1	34.3429	114.7328	1.5893	-1.601	-4.62	0.5204	0.0816
NECF013S1	34.3319	114.7173	1.4670	-1.804	-4.428	0.3454	0.0164
NECF014S1	.	.	.	.	.	0.4679	-.0700
NECF015S1	34.3345	114.6537	1.1224	-1.354	-4.032	0.4972	-.0501
NECF016S1	34.3549	114.6540	1.3623	-1.749	-4.359	0.4645	0.0406
NECF017S1	34.4592	114.6845	1.3981	-2.252	-4.224	0.3819	-.0809
NECF018S1	34.3724	114.6897	1.2439	-1.859	-3.98	0.4601	-.0621
NECF019S1	34.3798	114.7299	.	.	.	0.4337	-.0023
NECF020S1	34.4029	114.7410	.	.	.	0.4438	-.0124
NECF021S1	34.4255	114.7440	.	.	.	0.3673	0.0307
NECF022S1	34.3979	114.7021	.	.	.	0.4585	-.0783
NECF023S1	34.3710	114.6278	1.1526	-1.885	-3.883	0.3509	0.1806
NECF024S1	34.3314	114.6305	1.1062	-1.703	-3.672	0.4384	-.0071
NECF025S1	34.2925	114.6563	1.4623	-2.364	-3.979	0.4925	-.0012
NECF026S1	34.2672	114.6502	.	.	.	0.3789	0.0360
NECF027S1	34.3272	114.6082	.	.	.	.	.
NECF028S1	34.3227	114.5904	.	.	.	.	.
NECF029S1	34.3469	114.5864	0.8107	-.0713	-3.921	0.4346	0.0126
NECF030S1	34.3384	114.5659	.	.	.	0.3782	0.0368
NECF031S1	34.3200	114.5467	.	.	.	0.3963	-.0538
NECF032S1	34.2977	114.5240	1.4706	-1.749	-3.936	0.5451	0.0570
NECF033S1	34.3193	114.5207	1.3428	-1.609	-3.893	0.4983	0.0069
NECF034S1	34.3588	114.5495	.	.	.	0.4805	-.1188
NECF035S1	.	.	.	.	.	0.4436	-.1012
NECF036S1	34.4893	114.5660	1.7049	-1.974	-4.139	0.7126	0.1387
NECF037S1	34.4739	114.5379	.	.	.	0.7409	0.1224
NECF038S1	34.4714	114.5082	.	.	.	0.6791	0.0917
NECF039S1	34.4577	114.5061	2.3574	-2.012	-4.608	1.1414	0.3343
NECF040S1	34.4699	114.5669	.	.	.	0.5774	0.0024
NECF041S1	34.4416	114.5517	.	.	.	0.4885	0.0678
NECF042S1	34.4290	114.5672	1.2829	-2.253	-3.915	0.5113	0.0907
NECF043S1	34.4305	114.5870	.	.	.	0.3605	-.0383

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NECF044S1	34.4314	114.5234	.	.	.	0.5562	-.2138
NECF045S1	34.4184	114.5421	2.3263	-3.124	-4.579	0.6457	-.0436
NECF046S1	34.4023	114.5377	.	.	.	0.4186	.
NECF047S1	34.3845	114.5348	.	.	.	0.7331	0.1860
NECF048S1	34.3685	114.5237	.	.	.	.	.
NECF049S1	34.3835	114.5054	.	.	.	0.3165	0.0815
NECF050S1	34.2503	114.6598	.	.	.	0.3892	0.0422
NECF051S1	34.2616	114.6768	.	.	.	0.3898	0.0573
NECF052S1	34.2788	114.6912	1.2139	-1.967	-3.627	0.4600	0.0451
NECF053S1	34.2814	114.7073	1.2264	-2.505	-3.836	0.3137	-.0584
NECF054S1	34.2591	114.5844	.	.	.	0.1921	0.1503
NECF055S1	34.2820	114.5844	.	.	.	0.3749	0.0053
NECF056S1	34.2675	114.6159	1.2244	-.7503	-4.588	0.3547	-.0325
NECF057S1	34.3029	114.5924	.	.	.	0.4414	0.0210
NECF058S1	34.2867	114.6243	.	.	.	0.5541	-.0490
NECF059S1	34.2660	114.5511	1.0141	-.1541	-4.585	0.3067	0.6427
NECF060S1	34.2798	114.5420	.	.	.	.	.
NECF061S1	34.2898	114.5619	1.2111	-.6760	-4.636	0.4404	0.0510
NECF062S1	34.2635	114.5226	1.2627	-1.316	-4.083	0.3834	-.0217
NECF063S1	34.2782	114.5170	1.1839	-1.772	-3.957	0.4278	-.0128
NECG001S1	34.4732	114.4245	1.7531	-2.85	-4.011	0.4553	-.0081
NECG002S1	34.4712	114.4492	.	.	.	0.3212	0.0010
NECG003S1	34.4713	114.4867	.	.	.	0.3785	0.0528
NECG004S1	34.4469	114.4724	1.0565	-2.233	-3.578	0.4555	-.0406
NECG005S1	34.4264	114.4700	.	.	.	0.3555	0.0062
NECG006S1	34.4191	114.4876	.	.	.	0.3322	0.0480
NECG007S1	34.3956	114.4990	.	.	.	0.4621	.
NECG008S1	.	.	2.5254	-3.144	-4.793	0.7556	-.1024
NECG009S1	34.4233	114.4198	.	.	.	0.3616	0.0002
NECG010S1	34.4097	114.4361	1.9887	-2.778	-4.312	0.6123	-.0325
NECG011S1	34.3896	114.4489	1.3147	-2.623	-3.862	0.4137	0.0487
NECG012S1	34.4578	114.4110	.	.	.	0.4231	-.1009
NECG013S1	34.4458	114.3928	1.2423	-2.527	-3.612	0.4863	-.0391
NECG014S1	34.4180	114.3978	.	.	.	0.3127	-.0339
NECG015S1	34.4011	114.3738	.	.	.	0.4749	0.0022
NECG016S1	34.3849	114.3436	0.9837	-2.1	-3.521	0.3845	-.0421
NECG017S1	34.3757	114.3202	1.2394	-2.418	-3.96	0.4520	-.1095
NECG018S1	34.4316	114.3687	.	.	.	0.5313	-.0689
NECG019S1	34.4306	114.3418	.	.	.	0.4492	0.0279
NECG020S1	34.4187	114.3186	.	.	.	0.3283	0.0867
NECG021S1	34.3921	114.3151	1.3521	-1.862	-3.966	0.4545	-.1323
NECG022S1	34.3945	114.2884	1.0188	-1.763	-3.777	0.3375	0.1249
NECG023S1	34.3778	114.2734	1.6603	-2.533	-4.252	0.4955	-.1153
NECG024S1	34.3721	114.4503	.	.	.	0.4070	-.0848
NECG025S1	34.3576	114.4631	.	.	.	0.4913	-.0933
NECG026S1	34.3710	114.4845	.	.	.	0.5202	0.1031
NECG027S1	34.3501	114.4445	1.3584	-2.432	-4.059	0.3367	-.0579
NECG028S1	34.3970	114.4155	1.0652	-2.219	-3.651	0.3655	-.0433
NECG029S1	34.3349	114.4736	.	.	.	0.3959	.
NECG030S1	34.3113	114.4663	.	.	.	0.3889	0.0735
NECG031S1	34.3376	114.4275	1.8415	-2.82	-3.998	0.5311	-.0540
NECG032S1	34.3684	114.3674	1.5552	-1.962	-3.997	0.6613	-.0278
NECG033S1	34.3641	114.3372	.	.	.	0.3061	-.0757
NECG034S1	34.3711	114.3143	1.1008	-2.645	-3.606	0.3331	-.0321
NECG035S1	34.3584	114.2898	1.4414	-2.673	-3.666	0.5295	-.1145
NECG036S1	34.3503	114.2709	.	.	.	0.5225	-.0912

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NECG03751	34.3386	114.2548	0.7028	-2.33	-3.647	0.0604	-.0191
NECG03851	34.3304	114.2883	1.8586	-1.871	-4.38	0.5355	-.1376
NECG03951	34.3358	114.3176	1.4239	-2.061	-4.079	0.4914	-.0000
NECG04051	34.3179	114.3306	.	.	.	.	.
NECG04151	34.3204	114.3655	.	.	.	.	.
NECG04251	34.4668	114.3571	.	.	.	0.4697	-.1273
NECG04351	34.4755	114.3267	2.1497	-2.481	-4.258	0.7387	-.0312
NECG04451	34.4850	114.3029	.	.	.	0.4818	0.0497
NECG04551	34.4983	114.2751	1.6051	-1.966	-4.242	0.5221	-.0450
NECG04651	34.4749	114.2643	1.3731	-2.177	-4.302	0.4097	-.0294
NECG04751	34.4439	114.2638	.	.	.	0.4807	0.0508
NECG04851	34.4556	114.2938	.	.	.	0.3161	-.0150
NECG04951	34.4949	114.3596	1.4542	-2.036	-3.84	0.5070	-.0018
NECG05051	34.4962	114.3324	.	.	.	0.5368	-.0744
NECG05151	34.2668	114.2691	.	.	.	0.5076	-.0305
NECG05251	34.2833	114.2808	1.5659	-2.005	-4.196	0.4516	0.0397
NECG05351	34.2992	114.2607	1.1298	-1.804	-3.702	0.3612	0.0860
NECG05451	34.2550	114.3063	1.5301	-2.367	-4.193	0.4010	-.0208
NECG05551	34.2556	114.3885	1.1948	-2.634	-3.58	0.2735	0.1067
NECG05651	34.2709	114.4004	.	.	.	.	.
NECG05751	34.2672	114.4593	.	.	.	0.5936	-.0495
NECG05851	34.2663	114.4810	.	.	.	0.4392	-.0413
NECG05951	34.2861	114.4839	1.0630	-2.058	-3.723	0.2276	0.0946
NECH00151	34.2698	114.1410	1.6000	-2.622	-4.017	0.3789	0.0525
NECH00251	34.2622	114.1493	.	.	.	0.3159	0.0458
NECH00351	34.2851	114.1743	1.3269	-2.78	-3.671	0.3592	0.0880
NECH00451	34.3127	114.1843	1.3657	-2.537	-3.79	0.4832	0.0353
NECH00551	34.3082	114.2136	.	.	.	0.7628	.
NECH00651	34.3497	114.1962	1.6106	-2.436	-3.899	0.4930	-.1506
NECH00751	34.3348	114.2113	2.6745	-2.825	-4.514	0.7597	-.1576
NECH00851	34.3185	114.2379	.	.	.	0.3990	0.0781
NECH00951	34.3360	114.2466	.	.	.	0.4491	-.1269
NECH01051	34.2625	114.1741	1.5924	-2.693	-3.914	0.4014	0.0300
NECH01151	34.2756	114.1143	2.2895	-3.292	-4.035	0.7021	0.0461
NECH01251	34.2756	114.0649	1.7997	-3.302	-3.948	0.5992	0.0028
NECH01351	34.2591	114.0539	.	.	.	0.6421	-.0623
NECH01451	34.3219	114.1369	.	.	.	0.4933	-.0619
NECH01551	34.3458	114.1495	2.4216	-3.583	-4.207	0.7080	0.0479
NECH01651	34.3629	114.1582	.	.	.	0.5899	.
NECH01751	34.3820	114.1713	.	.	.	0.4353	-.0929
NECH01851	34.4039	114.1841	1.2180	-2.451	-3.625	0.4654	-.0340
NECH01951	34.3110	114.1071	.	.	.	0.4746	0.0439
NECH02051	34.2537	114.1140	.	.	.	0.3614	-.0604
NECH02151	34.4311	114.1763	2.2726	-2.901	-4.251	0.5676	-.0625
NECH02251	34.4543	114.1674	.	.	.	0.7796	-.1075
NECH02351	34.3867	114.2048	1.5158	-2.661	-4.138	0.3676	-.0454
NECH02451	34.4123	114.2071	1.2182	-2.613	-3.613	0.3771	-.0154
NECH02551	34.4292	114.2223	1.3746	-2.879	-3.654	0.4659	0.0393
NECH02651	34.4440	114.2426	.	.	.	0.3823	-.0206
NECH02751	34.4676	114.2475	1.6193	-2.853	-3.787	0.5757	-.1443
NECH02851	34.4693	114.2178	.	.	.	0.4158	0.0613
NECH02951	34.4816	114.2011	.	.	.	0.4955	-.0184
NECH03051	34.4959	114.1915	2.5789	-3.111	-4.364	0.5804	-.2001
NECH03151	34.4861	114.1561	1.8575	-3.134	-3.889	0.5399	-.1597
NECH03251	34.4660	114.1598	1.9108	-3.017	-4.314	0.4711	-.0561
NECH03351	34.4728	114.1387	1.0185	-2.469	-3.835	0.1292	0.2132

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NECH03451	34.4884	114.1151	1.4550	-2.587	-3.511	0.5516	-0.201
NECH03551	34.4861	114.0620				0.4910	0.0530
NECH03651	34.4743	114.0442	1.9126	-2.506	-3.945	0.7150	-0.1353
NECH03751	34.4864	114.0368	1.8664	-2.693	-3.902	0.7410	-0.1499
NECH03851	34.4589	114.0644	1.2863	-2.584	-3.661	0.4466	-0.0664
NECH03951	34.4397	114.0406	1.8765	-2.868	-3.935	0.4982	-0.1365
NECH04051	34.4467	114.0123	1.5450	-2.591	-3.602	0.6610	-0.1169
NECH04151	34.4564	114.0000	1.5365	-2.242	-3.741	0.5124	-0.0073
NECH04251	34.4026	114.0097	1.7343	-2.956	-4.006	0.6196	-0.0398
NECH04351	34.3849	114.0173	1.2165	-2.745	-3.573	0.2957	0.0660
NECH04451	34.3746	114.0074				0.5543	-0.1071
NECH04551	34.4032	114.0355	1.4164	-2.738	-3.596	0.4329	-0.0350
NECH04651	34.4060	114.0599	1.8377	-2.825	-3.935	0.5557	-0.0505
NECH04751	34.4279	114.0611	2.3238	-3.462	-4.296	0.5681	0.0104
NECH04851	34.4101	114.0938				0.4331	-0.0714
NECH04951	34.4361	114.0982	2.7885	-2.831	-4.884	0.8988	-0.0770
NECH05051	34.4539	114.1005	2.6657	-3.375	-4.522	0.7954	0.0299
NECH05151	34.4410	114.1521				0.4195	0.0367
NECH05251	34.4074	114.1480				0.6207	
NECH05351	34.3239	114.1135	1.7684	-2.306	-4.218	0.5408	0.2516
NECH05451	34.3465	114.1111	1.5575	-2.161	-4.084	0.4704	-0.0232
NECH05551	34.3134	114.0869	1.3662	-2.256	-4.267	0.0740	0.1301
NECH05651	34.3409	114.0620	2.2663	-2.894	-4.518	0.5185	-0.1963
NECH05751	34.3532	114.0856	2.7065	-2.98	-4.66	0.5172	-0.1554
NECH05851	34.2969	114.0688	3.0497	-2.769	-4.937	0.4766	-0.0452
NECH05951	34.3171	114.0515	2.1765	-2.35	-4.562	0.3930	-0.0128
NECH06051	34.3527	114.0373	1.5487	-2.132	-4.242	0.3348	0.0966
NECH06151	34.3026	114.0307	2.3477	-2.482	-4.431	0.4850	-0.1048
NECH06251	34.3331	114.0231				0.5199	
NEDA00151	34.1185	115.9649	2.2347	-2.602	-4.417	0.6991	-0.0002
NEDA00251	34.1020	115.9691	2.4056	-2.479	-4.339	0.8170	0.1421
NEDA00351	34.1257	115.9334	2.1819	-2.879	-4.338	0.6717	-0.0696
NEDA00451	34.1368	115.9111				0.5770	0.0251
NEDA00551	34.1215	115.8825	2.0894	-2.511	-4.036	0.6984	0.0092
NEDA00651	34.1053	115.9797	2.6196	-2.782	-4.478	0.8031	-0.0178
NEDA00751	34.0982	115.9137	3.2267	-3.32	-4.657	0.7315	-0.0325
NEDA00851	34.0855	115.9099				0.9053	0.0585
NEDA00951	34.0537	115.9059				0.5282	-0.0658
NEDA01051	34.0461	115.8742				0.9363	-0.0172
NEDA01151	34.0363	115.8961					
NEDA01251	34.0633	115.8871					
NEDA01351	34.0946	115.8435	2.3763	-2.63	-4.601	0.8982	0.1700
NEDA01451	34.0823	115.8715	1.9641	-2.271	-4.238	0.7618	0.1358
NEDA01551			1.6515	-2.289	-3.942	0.6164	0.0271
NEDA01651	34.0810	115.8277	1.8174	-2.671	-4.168	0.7296	0.0558
NEDA01751	34.0643	115.8276	1.6299	-2.126	-4.037	0.6920	0.0483
NEDA01851	34.0356	115.8402				0.6874	0.0979
NEDA01951	34.0319	115.8235				0.6401	-0.0838
NEDA02051	34.1462	115.8797	1.3992	-2.38	-3.508	0.6210	-0.0083
NEDA02151	34.1524	115.9239	2.4006	-2.732	-4.113	0.8069	0.0505
NEDA02251	34.1390	115.9715					
NEDA02351	34.1234	115.9871	2.9886	-2.659	-4.94	0.9382	0.0161
NEDA02451	34.1594	115.9848	1.7883	-2.399	-3.889	0.6518	-0.0286
NEDA02551	34.1664	115.9986	2.1783	-2.765	-4.19	0.6331	-0.0310
NEDA02651	34.1213	115.8488	2.7890	-2.975	-4.688	0.8367	0.0146
NEDA02751	34.1199	115.8176	1.6842	-2.455	-3.928	0.5649	-0.0334



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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEDA028S1	34.1210	115.7952	1.8668	-2.557	-3.959	0.6543	-.0310
NEDA029S1	34.1088	115.7876	3.4435	-3.127	-5.043	0.9736	0.0264
NEDA030S1	34.0871	115.7748	2.0840	-2.71	-4.276	0.6586	0.0316
NEDA031S1	34.0699	115.7568	2.1719	-2.853	-4.342	0.6686	-.0252
NEDA032S1	34.0543	115.7609	.	.	.	.	.
NEDA033S1	34.0394	115.7516	2.2805	-2.753	-4.172	0.7808	0.2192
NEDA034S1	34.0383	115.7727	2.5934	-3.039	-4.685	0.7032	0.0961
NEDA035S1	34.0453	115.7874	.	.	.	0.5252	0.0189
NEDA036S1	34.0581	115.7883	1.4425	-2.235	-3.779	0.5487	0.0311
NEDA037S1	34.1008	115.7601	2.0960	-2.865	-4.194	0.6959	0.0365
NEDA038S1	34.1215	115.7738	1.5243	-2.338	-3.672	0.5876	-.0194
NEDA039S1	34.1174	115.7523	1.9130	-3.019	-3.953	0.5628	0.0054
NEDA040S1	34.1670	115.9336	.	.	.	0.8058	-.0350
NEDA041S1	34.1666	115.9614	1.6746	-2.621	-3.857	0.5637	-.0197
NEDA042S1	34.1684	115.8953	1.5817	-2.489	-3.719	0.5814	-.0762
NEDA043S1	34.1640	115.8511	.	.	.	0.4776	-.0626
NEDA044S1	34.1662	115.8202	.	.	.	0.5848	-.0407
NEDA045S1	34.1846	115.8128	1.4860	-2.32	-3.675	0.6411	0.0832
NEDA046S1	34.1736	115.7898	1.9540	-2.573	-4.083	0.6446	-.0213
NEDA047S1	34.1897	115.7927	.	.	.	0.6067	0.0746
NEDA048S1	34.2098	115.7948	1.7500	-2.562	-3.831	0.6376	0.0526
NEDA049S1	34.1897	115.7730	.	.	.	0.6164	.
NEDA050S1	34.1631	115.7550	.	.	.	0.5274	0.0041
NEDA051S1	34.1805	115.8590	1.4428	-2.699	-3.708	0.5305	0.0493
NEDA052S1	34.1944	115.9058	.	.	.	0.5272	0.0043
NEDA053S1	34.2184	115.9051	1.8501	-2.798	-4.116	0.6287	-.0266
NEDA054S1	34.2124	115.8629	2.6089	-2.883	-4.285	0.8558	-.0107
NEDA055S1	34.2283	115.8812	1.8216	-2.693	-3.811	0.7145	0.0179
NEDA056S1	34.2109	115.8383	1.9343	-2.658	-4.296	0.6648	0.0164
NEDA057S1	34.2236	115.8207	1.4121	-2.325	-3.728	0.5037	0.0984
NEDA058S1	34.1910	115.9298	.	.	.	0.5986	0.0827
NEDA059S1	34.2052	115.9353	2.0000	-2.867	-4.196	0.7006	-.1821
NEDA060S1	34.1954	115.9560	.	.	.	.	.
NEDA061S1	34.2001	115.9803	1.2792	-2.664	-3.578	0.4271	-.1049
NEDA062S1	34.2176	115.9963	1.6854	-2.29	-4.237	0.5303	-.0679
NEDA063S1	34.2227	115.9766	2.4750	-1.992	-4.651	0.8092	-.0031
NEDB001S1	34.0622	115.7450	2.0383	-2.835	-4.144	0.5712	0.1101
NEDB002S1	34.0671	115.7235	.	.	.	0.3650	0.3252
NEDB003S1	34.0091	115.7192	1.5890	-2.352	-3.779	0.6694	-.0674
NEDB004S1	34.0182	115.7331	1.3473	-2.21	-3.659	0.5408	0.0155
NEDB005S1	34.0349	115.7423	3.1599	-3.045	-4.879	0.9587	0.0827
NEDB006S1	34.0498	115.7337	1.9847	-2.837	-4.173	0.5316	-.0544
NEDB007S1	34.0527	115.7000	1.5397	-2.227	-3.751	0.5941	0.0494
NEDB008S1	34.0319	115.6915	.	.	.	0.5356	-.0305
NEDB009S1	34.0525	115.6737	1.7860	-2.888	-4.08	0.4644	0.0270
NEDB010S1	34.1181	115.7440	1.3675	-2.525	-3.632	0.6150	-.0023
NEDB011S1	34.1141	115.7175	.	.	.	0.4598	-.0126
NEDB012S1	34.0919	115.7126	1.4680	-2.721	-3.982	0.4895	-.0915
NEDB013S1	34.1507	115.6929	.	.	.	.	.
NEDB014S1	34.1791	115.7109	1.6315	-2.877	-3.769	0.5092	-.0179
NEDB015S1	34.1734	115.6945	.	.	.	0.4906	0.1996
NEDB016S1	34.2424	115.7229	1.9010	-3.009	-3.812	0.5555	-.0114
NEDB017S1	34.2216	115.7205	.	.	.	0.4455	0.1343
NEDB018S1	34.2185	115.7381	1.5292	-3.017	-3.735	0.4641	-.1024
NEDB019S1	34.1999	115.7205	1.5418	-2.774	-3.568	0.5805	0.0916
NEDB020S1	34.1809	115.7312	2.0501	-3.089	-3.92	0.5556	-.0932

## FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEDB021S1	34.1621	115.7185	1.7393	-2.948	-4.13	0.5247	0.0316
NEDB022S1	34.1654	115.5405	1.8301	-3.059	-3.859	0.5031	0.0410
NEDB023S1	34.1537	115.5608	.	.	.	0.5566	0.0232
NEDB024S1	34.1714	115.5611	1.6106	-3.129	-3.743	0.4822	-0.0350
NEDB025S1	34.1930	115.5615	1.6281	-2.771	-3.726	0.5703	-.0651
NEDB026S1	34.1998	115.5394	.	.	.	0.5301	-.0387
NEDB027S1	34.2365	115.6231	1.8841	-3.034	-4.141	0.5510	-.0325
NEDB028S1	34.2402	115.6456	.	.	.	0.5319	0.1494
NEDB029S1	34.2181	115.6196	1.7269	-2.512	-3.888	0.6259	-.0696
NEDB030S1	34.1998	115.6160	.	.	.	0.5899	0.0728
NEDB031S1	34.1838	115.6010	2.0933	-3.192	-4	0.6149	0.0753
NEDB032S1	34.1677	115.5790	1.1092	-2.59	-3.335	0.3853	-.0429
NEDB033S1	34.1271	115.5634	1.7456	-3.302	-3.889	0.5535	0.0900
NEDB034S1	34.1388	115.5777	2.2260	-2.864	-4.018	0.6416	0.2449
NEDB035S1	34.1103	115.5522	1.6267	-3.032	-3.827	0.4640	0.0675
NEDB036S1	34.1147	115.5087	1.9558	-3.22	-3.999	0.5346	-.1366
NEDB037S1	34.1293	115.5389	1.3160	-2.855	-3.389	0.4947	-.0633
NEDB038S1	34.0560	115.5069	1.2975	-3.002	-3.424	0.3659	0.0655
NEDB039S1	34.0705	115.5172	1.9472	-3.4	-3.817	0.5067	0.0374
NEDB040S1	34.0871	115.5261	1.6158	-3.135	-3.637	0.5293	0.0148
NEDB041S1	34.0858	115.5438	.	.	.	0.5374	0.0189
NEDB042S1	34.0753	115.5677	1.4900	-2.913	-3.938	0.4726	-.0413
NEDB043S1	34.0828	115.6437	1.6632	-2.389	-4.15	0.6185	-.0275
NEDB044S1	34.0629	115.6447	.	.	.	0.5632	0.0166
NEDB045S1	34.0679	115.6399	.	.	.	.	.
NEDC001S1	34.1143	115.4934	.	.	.	0.4756	0.0296
NEDC002S1	34.1091	115.4721	1.7880	-2.891	-3.84	0.5445	0.0352
NEDC003S1	34.1028	115.4495	.	.	.	0.4645	-.0331
NEDC004S1	34.0957	115.4248	0.9759	-2.469	-3.149	0.4055	0.0416
NEDC005S1	34.0916	115.4009	.	.	.	.	.
NEDC006S1	34.0875	115.3786	.	.	.	0.4715	0.0967
NEDC007S1	34.0819	115.3531	2.1471	-3.515	-4.249	0.5297	0.1424
NEDC008S1	34.0755	115.3293	1.2732	-2.585	-3.26	0.5279	0.0632
NEDC009S1	34.0705	115.3108	.	.	.	.	.
NEDC010S1	34.0639	115.2861	.	.	.	0.4933	-.0954
NEDC011S1	34.0565	115.2581	.	.	.	.	.
NEDC012S1	34.0074	115.2613	1.8346	-3.004	-3.64	0.6437	-.0755
NEDC013S1	34.0233	115.2656	1.8009	-3.315	-3.817	0.4523	0.1159
NEDC014S1	34.0401	115.2717	.	.	.	0.5051	0.0001
NEDC015S1	34.1170	115.2562	1.4579	-2.87	-3.305	0.5114	-.0490
NEDC016S1	34.1009	115.2589	.	.	.	.	.
NEDC017S1	34.0739	115.2652	1.2296	-2.851	-3.336	0.4346	-.1123
NEDC018S1	34.0533	115.3120	1.7869	-3.162	-3.409	0.5785	0.1027
NEDC019S1	34.0369	115.2989	1.9393	-3.388	-3.773	0.4961	-.0190
NEDC020S1	34.0189	115.2846	1.9331	-3.474	-4.021	0.5244	0.0071
NEDC021S1	34.0983	115.3491	.	.	.	.	.
NEDC022S1	34.1158	115.3535	.	.	.	0.3520	-.0298
NEDC023S1	34.1392	115.3645	.	.	.	0.4662	0.0523
NEDC024S1	34.1560	115.3725	1.6863	-3.247	-3.513	0.5061	-.0290
NEDC025S1	34.1730	115.3840	1.4792	-3.241	-3.761	0.4180	0.0591
NEDC026S1	34.0923	115.4884	1.5839	-2.553	-3.846	0.5210	0.1125
NEDC027S1	34.0838	115.4461	.	.	.	.	.
NEDC028S1	34.0554	115.4169	1.7196	-2.687	-3.535	0.6213	0.0689
NEDC029S1	34.0542	115.4348	2.0004	-2.664	-4.126	0.5363	0.0765
NEDC030S1	34.0727	115.4320	0.9628	-2.051	-3.65	0.6512	0.0478
NEDC031S1	34.0572	115.3435	.	.	.	0.5274	0.0747

## FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEDC032S1	34.0385	115.3219	2.6156	-3.147	-4.389	0.7065	0.0717
NEDC033S1	34.1008	115.3658	1.4619	-2.796	-3.559	0.4391	0.0380
NEDC034S1	34.1193	115.3741	1.2267	-2.478	-3.314	0.3879	0.0434
NEDC035S1	34.1178	115.3977	.	.	.	0.4006	- .2245
NEDC036S1	34.1258	115.4193	1.9541	-2.788	-3.901	0.6211	- .0529
NEDC037S1	34.1356	115.4489	1.1997	-2.445	-3.392	0.3630	0.0172
NEDC038S1	34.1291	115.4996	.	.	.	0.4088	0.0683
NEDD001S1	34.1010	115.0012	1.4257	-2.861	-3.448	0.5194	0.1039
NEDD002S1	34.0971	115.0332	1.6700	-3.237	-3.47	0.5676	0.0451
NEDD003S1	34.0720	115.0026	2.0374	-3.535	-3.934	0.3674	- .0250
NEDD004S1	34.0753	115.0602	1.4212	-2.869	-3.289	0.5835	0.0697
NEDD005S1	34.0939	115.1060	1.3142	-2.778	-3.267	0.5211	0.0104
NEDD006S1	34.1549	115.1043	1.6992	-3.064	-3.829	0.5858	0.0270
NEDD007S1	34.1822	115.0997	1.5194	-2.998	-3.407	0.5137	0.0883
NEDD008S1	34.2021	115.0948	.	.	.	0.4543	0.1989
NEDD009S1	34.2380	115.0753	1.1512	-3.085	-3.651	0.3726	- .0715
NEDD010S1	34.2097	115.0378	.	.	.	0.3374	0.0605
NEDD011S1	34.1948	115.0205	1.5392	-2.814	-3.607	0.4692	0.0623
NEDD012S1	34.1837	115.0053	1.8030	-3.503	-3.931	0.3697	0.0774
NEDD013S1	34.2481	115.1042	1.4627	-3.2	-3.556	0.3299	0.2499
NEDD014S1	34.2187	115.1088	.	.	.	.	.
NEDD015S1	34.1619	115.1329	0.7594	-2.547	-3.26	0.4367	0.0547
NEDD016S1	34.1238	115.1403	.	.	.	0.8685	- .0424
NEDD017S1	34.1063	115.1579	.	.	.	.	.
NEDD018S1	34.0895	115.1741	.	.	.	0.6663	0.3423
NEDD019S1	34.0655	115.1763	.	.	.	.	.
NEDD020S1	34.0718	115.1544	1.4531	-3.088	-3.486	0.4574	0.0740
NEDD021S1	34.0638	115.0331	1.6240	-2.983	-3.348	0.4998	0.0565
NEDD022S1	34.0347	115.0332	.	.	.	.	.
NEDD023S1	34.0051	115.0236	1.3782	-2.864	-3.665	0.4041	0.2294
NEDD024S1	34.0195	115.0126	.	.	.	0.5033	0.0282
NEDD025S1	34.0509	115.0528	.	.	.	.	.
NEDD026S1	34.0345	115.0749	.	.	.	0.4403	0.0221
NEDD027S1	34.0939	115.0682	1.3144	-3.188	-3.37	0.4616	0.0298
NEDD028S1	34.0703	115.1010	.	.	.	0.3997	0.1054
NEDD029S1	34.0826	115.1293	1.5115	-3.185	-3.461	0.4877	0.0686
NEDD030S1	34.0406	115.1157	.	.	.	0.3779	0.0535
NEDD031S1	34.0381	115.1438	.	.	.	0.4447	0.0467
NEDD032S1	34.0561	115.2053	1.6139	-3.214	-3.466	0.5464	- .0024
NEDD033S1	34.0858	115.2216	3.2080	-3.583	-4.288	0.9046	0.1407
NEDD034S1	34.0946	115.2434	.	.	.	0.2734	0.0489
NEDD035S1	34.1225	115.2476	.	.	.	.	.
NEDD036S1	34.1452	115.2362	1.3771	-3.06	-3.52	0.4126	0.0024
NEDD037S1	34.1514	115.2211	1.3014	-2.69	-3.288	0.4296	0.1267
NEDD038S1	.	.	.	.	.	0.5377	- .0906
NEDD039S1	34.0426	115.1915	2.1157	-3.464	-3.894	0.6198	0.1584
NEDD040S1	34.0415	115.2159	1.9581	-3.367	-3.893	0.5897	- .1126
NEDD041S1	34.0038	115.2441	.	.	.	0.5749	0.0049
NEDD042S1	34.0153	115.2263	2.0208	-3.453	-3.898	0.5575	0.0107
NEDD043S1	34.0325	115.2386	1.8972	-3.271	-3.64	0.6407	0.0669
NEDD044S1	34.0557	115.2468	.	.	.	0.4410	- .1399
NEDD045S1	34.1235	115.1001	1.1986	-2.829	-4.121	0.4871	0.0692
NEDD046S1	34.1235	115.0675	.	.	.	.	.
NEDD047S1	34.1236	115.0317	.	.	.	0.2976	0.0826
NEDD048S1	34.1231	115.0104	1.1618	-3.063	-3.394	0.3427	0.1045
NEDD049S1	34.1571	115.0660	1.5833	-3.003	-3.588	0.5840	0.0393

FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEDD050S1	34.1807	115.0718	.	.	.	.	.
NEDD051S1	34.2182	115.0724	.	.	.	0.4143	0.0908
NEDD052S1	34.2348	115.0430	.	.	.	0.5795	0.0115
NEDD053S1	34.2081	115.0031	.	.	.	0.4089	- .1079
NEDD054S1	34.2346	115.1514	.	.	.	0.3200	0.0779
NEDD055S1	.	.	.	.	.	0.3019	0.1295
NEDD056S1	34.2371	115.2063	.	.	.	.	.
NEDD057S1	34.2360	115.2473	1.4885	-3.161	-3.59	0.4268	-.0118
NEDD058S1	34.2237	115.2204	.	.	.	.	.
NEDD059S1	34.2210	115.1778	1.6084	-3.191	-3.633	0.4853	0.0710
NEDD060S1	34.2037	115.1931	.	.	.	0.4324	0.0447
NEDD061S1	34.1870	115.1593	.	.	.	0.4329	0.0985
NEDD062S1	34.1613	115.1693	.	.	.	.	.
NEDE001S1	.	.	.	.	.	0.4633	-.0320
NEDE002S1	34.0420	114.8507	2.1818	-3.011	-4.337	0.6219	0.0409
NEDE003S1	34.0501	114.8746	.	.	.	0.5542	-.1392
NEDE004S1	34.0187	114.8510	.	.	.	0.5730	0.0898
NEDE005S1	34.0042	114.8249	.	.	.	.	.
NEDE006S1	34.0114	114.8763	.	.	.	0.5383	0.0299
NEDE007S1	34.0894	114.8766	2.0987	-2.789	-4.138	0.6634	0.0356
NEDE008S1	34.0984	114.9096	.	.	.	.	.
NEDE009S1	34.0796	114.9119	.	.	.	0.4120	0.0651
NEDE010S1	34.0939	114.9519	1.1643	-2.069	-3.605	0.3632	0.0992
NEDE011S1	34.0781	114.9777	.	.	.	0.4759	-.0957
NEDE012S1	34.0621	114.9774	.	.	.	0.4596	-.1809
NEDE013S1	34.1054	114.9677	.	.	.	0.2080	0.0708
NEDE014S1	34.0987	114.9958	0.9687	-2.179	-3.193	0.4560	-.1136
NEDE015S1	.	.	.	.	.	0.6502	0.0658
NEDE016S1	34.1140	114.8930	1.4649	-1.87	-3.975	0.6913	0.1780
NEDE017S1	34.1110	114.8616	2.5811	-2.735	-4.411	0.8898	0.0396
NEDE018S1	34.0770	114.8345	.	.	.	.	.
NEDE019S1	34.0620	114.7952	.	.	.	.	.
NEDE020S1	34.0468	114.8104	1.4984	-2.964	-3.884	0.4866	0.0319
NEDE021S1	34.0371	114.8922	.	.	.	.	.
NEDE022S1	34.0530	114.9309	1.3482	-2.461	-3.66	0.5121	-.0807
NEDE023S1	34.0353	114.9308	.	.	.	0.3356	0.0793
NEDE024S1	34.0172	114.8975	1.7291	-2.306	-3.916	0.6716	0.1977
NEDE025S1	34.0207	114.9236	.	.	.	0.4483	0.0430
NEDE026S1	34.0187	114.9297	1.7726	-2.519	-4.085	0.6197	-.3187
NEDE027S1	34.0607	114.7522	3.7032	-3.717	-5.068	0.7212	0.0781
NEDE028S1	34.0446	114.7647	.	.	.	0.5979	.
NEDE029S1	34.0277	114.7720	1.4802	-2.432	-3.778	0.6173	0.1070
NEDE030S1	34.1030	114.7540	.	.	.	0.5171	-.0119
NEDE031S1	34.0928	114.7803	.	.	.	0.3198	.
NEDE032S1	34.1084	114.7887	1.6861	-2.718	-3.906	0.4935	0.0380
NEDE033S1	34.0972	114.8039	.	.	.	0.3432	0.0718
NEDE034S1	34.1263	114.9166	2.4986	-2.858	-4.606	0.7908	0.1013
NEDE035S1	.	.	1.5904	-2.613	-3.955	0.4715	0.0199
NEDE036S1	34.1504	114.8919	.	.	.	0.4059	-.0635
NEDE037S1	34.1623	114.9241	1.5958	-2.137	-3.998	0.5887	0.0448
NEDE038S1	34.1377	114.9059	1.8682	-2.447	-4.169	0.5349	0.0672
NEDE039S1	34.1859	114.9351	.	.	.	0.3278	0.2037
NEDE040S1	34.1282	114.9507	.	.	.	.	.
NEDE041S1	34.1463	114.9685	1.8302	-2.516	-4.128	0.5501	0.0297
NEDE042S1	34.1395	114.9813	.	.	.	0.5047	-.0276
NEDE043S1	34.1664	114.9878	1.3216	-2.122	-3.728	0.4290	0.0481

## FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U			PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2	FACTOR 3		
NEDE04451	34.1795	114.9991	.	.	.	0.4864	-.0240
NEDE04551	34.1905	114.9777	.	.	.	0.5924	0.0511
NEDE04651	34.1977	114.9917	.	.	.	.	.
NEDE04751	34.2223	114.9665	2.1850	-2.229	-4.23	0.6981	0.0728
NEDE04851	34.2174	114.9862	2.4962	-2.432	-4.61	0.7416	0.0845
NEDE04951	34.2290	114.9469	2.7754	-2.66	-4.927	0.7486	0.1652
NEDE05051	34.2427	114.9817	1.5546	-2.23	-4.097	0.4819	0.1092
NEDE05151	34.2367	114.9982	1.2446	-1.728	-3.827	0.4669	0.0646
NEDE05251	34.2467	114.9444	2.0858	-2.28	-4.323	0.7079	0.0914
NEDE05351	34.2484	114.9092	1.3203	-2.335	-3.985	0.4370	-.0390
NEDE05451	34.2156	114.7509	.	.	.	0.4653	0.2249
NEDE05551	34.469	114.7618	1.7922	-2.52	-4.057	0.3846	0.0133
NEDE05651	34.2329	114.7691	1.7007	-2.501	-4.175	0.5316	0.0917
NEDE05751	34.2460	114.7834	1.2992	-2.159	-3.79	0.5029	0.0653
NEDE05851	34.2409	114.8071	1.7910	-2.357	-4.182	0.5812	-.0899
NEDE05951	34.2361	114.8309	1.1846	-1.864	-3.676	0.5476	0.0652
NEDE06051	34.2310	114.8488	.	.	.	.	.
NEDE06151	34.1849	114.7513	1.7515	-2.483	-3.96	0.5387	0.0634
NEDE06251	34.1981	114.7742	2.1415	-2.332	-4.417	0.6949	0.0375
NEDE06351	34.1449	114.7514	1.7145	-2.198	-4.05	0.6700	0.1934
NEDE06451	34.1575	114.7833	1.7492	-2.415	-4.094	0.5933	0.2129
NEDE06551	34.1918	114.8225	.	.	.	0.4454	-.0475
NEDE06651	34.2082	114.8267	.	.	.	.	.
NEDE06751	34.1925	114.8413	1.5652	-1.875	-3.936	0.7021	0.0382
NEDE06851	34.1723	114.8305	.	.	.	0.5365	0.0762
NEDE06951	34.1578	114.8531	1.8117	-2.362	-4.047	0.7107	0.0217
NEDF00151	34.2299	114.5430	0.9793	-1.376	-3.946	0.3410	0.0570
NEDF00251	34.2330	114.5215	1.5103	-2.17	-4.335	0.4865	-.1440
NEDF00351	34.2101	114.5465	1.0767	-1.515	-3.881	0.4941	-.0791
NEDF00451	34.2102	114.5173	.	.	.	.	.
NEDF00551	34.2013	114.5891	.	.	.	.	.
NEDF00651	34.2305	114.5861	.	.	.	.	.
NEDF00751	34.2109	114.6140	1.2505	-1.241	-3.989	0.3860	0.0764
NEDF00851	34.1063	114.5222	.	.	.	.	.
NEDF00951	34.0738	114.5504	.	.	.	.	.
NEDF01051	34.0809	114.5203	.	.	.	0.3340	-.0552
NEDF01151	34.0448	114.5159	.	.	.	.	.
NEDF01251	34.0501	114.5506	1.0363	-.9774	-4.046	0.4650	0.0121
NEDF01351	34.0203	114.5476	1.2948	-.2798	-4.476	0.5034	0.0648
NEDF01451	34.0204	114.5242	.	.	.	.	.
NEDF01551	34.0467	114.5875	0.8913	-1.485	-4.129	0.1760	0.2864
NEDF01651	34.0222	114.6108	.	.	.	0.3685	0.0628
NEDF01751	34.0140	114.5967	1.0399	-1.352	-3.772	0.3435	0.0714
NEDF01851	34.0475	114.6156	1.8293	-1.965	-4.255	0.5186	0.1346
NEDF01951	34.0741	114.6112	.	.	.	.	.
NEDF02051	34.0763	114.5874	1.7887	-1.814	-4.359	0.4417	0.1381
NEDF02151	34.1095	114.6186	1.6425	-1.883	-4.103	0.5495	0.0840
NEDF02251	34.1086	114.5881	1.3704	-1.653	-3.963	0.4574	-.0595
NEDF02351	34.1086	114.5517	.	.	.	0.4509	-.0360
NEDF02451	34.1801	114.5146	1.0239	-1.251	-3.935	0.4519	-.0540
NEDF02551	34.1448	114.5198	1.1166	-1.291	-3.874	0.4791	-.0989
NEDF02651	34.1724	114.5578	1.5567	-1.94	-4.374	0.5719	-.0534
NEDF02751	34.1446	114.5533	.	.	.	.	.
NEDF02851	34.1736	114.5900	1.1602	-1.45	-4.077	0.4537	0.0234
NEDF02951	34.1590	114.5894	1.4110	-1.564	-4.389	0.5425	-.1112
NEDF03051	34.1754	114.6112	1.2615	-1.6	-3.995	0.5036	-.1814

## FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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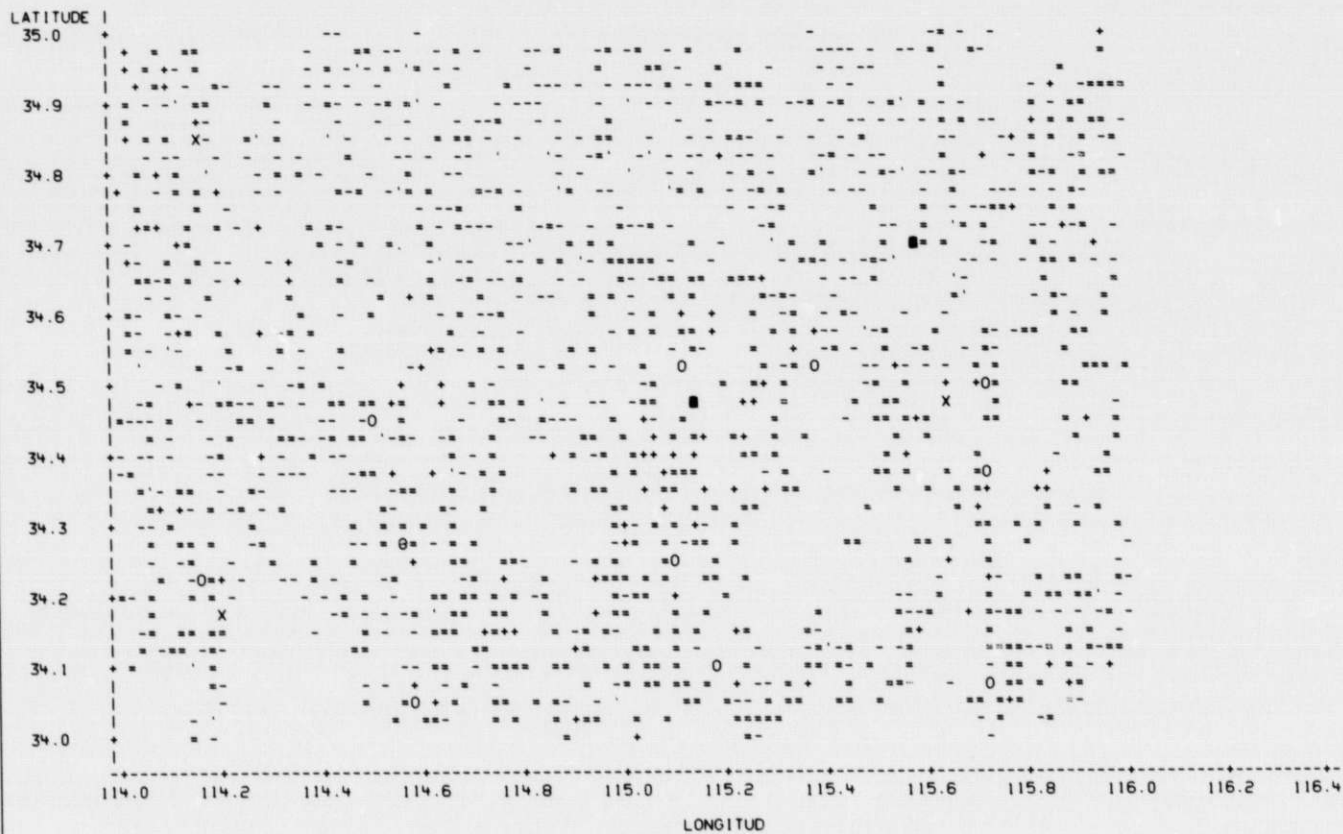
SRL I.D.	LATITUDE	LONGITUDE	LOG U		FACTOR 3	PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2			
NEDF031S1	34.1434	114.6205	1.4083	-1.376	-4.059	0.4944	0.0241
NEDF032S1	34.1084	114.7339	2.0272	-1.666	-4.577	0.4642	0.0673
NEDF033S1	34.1029	114.6954	.	.	.	0.4988	-.0517
NEDF034S1	34.1027	114.6552	.	.	.	.	.
NEDF035S1	34.0938	114.6393	1.4946	-1.18	-4.275	0.5549	-.0108
NEDF036S1	34.0769	114.6398	.	.	.	0.6787	-.0352
NEDF037S1	34.0771	114.6718	1.4190	-1.369	-4.297	0.4899	0.0664
NEDF038S1	34.0678	114.6869	1.4552	-1.095	-4.285	0.5924	0.0608
NEDF039S1	34.0446	114.6629	1.9843	-1.609	-4.645	0.7778	0.0914
NEDF040S1	34.0180	114.6667	.	.	.	0.6503	.
NEDF041S1	34.0142	114.6385	1.5200	-1.881	-4.4	0.5232	-.0761
NEDF042S1	34.0308	114.6925	.	.	.	.	.
NEDF043S1	34.0476	114.6979	.	.	.	0.4954	.
NEDF044S1	34.0708	114.7338	1.2919	-1.506	-3.794	0.5513	-.0327
NEDF045S1	34.0487	114.7321	1.8412	-1.584	-4.305	0.5887	0.0741
NEDF046S1	34.0281	114.7336	1.5342	-1.224	-4.321	0.5880	0.1022
NEDF047S1	34.2357	114.6426	.	.	.	.	.
NEDF048S1	34.2470	114.6647	.	.	.	0.6179	-.1128
NEDF049S1	34.2313	114.6838	2.1173	-2.837	-4.393	0.4767	-.0617
NEDF050S1	34.2334	114.7040	1.4891	-2.445	-4.08	0.3791	0.0359
NEDF051S1	34.1904	114.6390	.	.	.	0.4818	0.0096
NEDF052S1	34.1989	114.6708	1.5263	-2.427	-3.861	0.4746	0.0306
NEDF053S1	34.1776	114.6597	1.7692	-2.436	-4.208	0.5195	-.0010
NEDF054S1	34.1642	114.6690	1.8277	-2.497	-4.188	0.5590	0.0208
NEDF055S1	34.1802	114.6855	1.3665	-2.321	-3.808	0.5219	-.0034
NEDF056S1	34.1996	114.7008	2.1911	-2.755	-4.588	0.5789	-.0107
NEDF057S1	34.1369	114.7005	.	.	.	0.6199	0.0235
NEDF058S1	34.1573	114.7143	1.9217	-2.496	-4.022	0.5252	0.1376
NEDF059S1	34.1783	114.7306	2.4301	-2.845	-4.636	0.6710	0.0366
NEDF060S1	34.2044	114.7389	2.0984	-2.641	-4.28	0.7155	0.1106
NEDF061S1	34.1268	114.7226	1.7985	-2.375	-4.03	0.7153	0.0329
NEDF062S1	34.1439	114.7318	2.6867	-2.947	-4.406	0.8600	0.0990
NEDF063S1	34.1549	114.6352	1.6750	-2.44	-4.032	0.5338	0.0682
NEDF064S1	34.1409	114.6537	2.1425	-2.77	-4.224	0.6531	0.0793
NEDG001S1	.	.	.	.	.	.	.
NEDG002S1	34.2038	114.3659	1.7056	-2.395	-4.1	0.4745	-.0431
NEDG003S1	34.2182	114.3401	1.6274	-1.908	-4.077	0.6162	-.0599
NEDG004S1	34.2246	114.3159	.	.	.	0.4913	-.0289
NEDG005S1	34.2456	114.2980	1.2889	-1.987	-3.773	0.5130	-.0658
NEDG006S1	34.2270	114.3731	.	.	.	0.3388	0.0036
NEDG007S1	34.2362	114.3808	1.0374	-2.362	-3.628	0.3841	0.0138
NEDG008S1	34.2070	114.3974	1.1730	-2.085	-4.014	0.3522	-.0300
NEDG009S1	34.2203	114.4295	1.1406	-2.287	-3.736	0.4087	-.1077
NEDG010S1	34.2431	114.4581	.	.	.	0.4322	-.0172
NEDG011S1	34.2053	114.4484	.	.	.	0.4817	-.0193
NEDG012S1	34.2013	114.4839	.	.	.	0.4558	-.0086
NEDG013S1	34.1781	114.4825	.	.	.	0.4028	-.0604
NEDG014S1	34.1522	114.4716	.	.	.	0.4919	-.0148
NEDG015S1	34.1271	114.4525	1.9068	-2.611	-4.197	0.6428	0.0200
NEDG016S1	34.1184	114.4537	.	.	.	0.5541	-.0770
NEDG017S1	34.1138	114.4799	.	.	.	0.2988	0.0436
NEDG018S1	34.0943	114.4542	.	.	.	.	.
NEDG019S1	34.0754	114.4799	1.3092	-2.507	-3.595	0.5329	-.0278
NEDG020S1	34.0479	114.4806	.	.	.	0.4239	-.0259
NEDG021S1	34.1870	114.4440	1.4188	-2.557	-3.73	0.5174	-.0261
NEDG022S1	34.1752	114.4122	1.1724	-2.075	-3.521	0.5177	-.0405

## FACTOR SCORES AND PREDICTED AND RESIDUAL URANIUM VALUES FOR THE SEDIMENTS OF THE NEEDLES QUADRANGLE

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SRL I.D.	LATITUDE	LONGITUDE	LOG U		LOG U	PREDICTED	RESIDUAL
			FACTOR 1	FACTOR 2			
NEDG02351	34.1584	114.3874	.	.	.	0.5254	-.0483
NEDH00151	34.1325	114.1835	1.4134	-2.216	-3.757	0.6645	0.0515
NEDH00251	34.1271	114.1610	0.9523	-2.215	-3.238	0.4355	-.0737
NEDH00351	34.1167	114.1290	1.7658	-2.455	-3.873	0.6684	0.0875
NEDH00451	34.1153	114.0993	.	.	.	0.3175	0.0047
NEDH00551	34.1235	114.0756	.	.	.	0.4784	-.0312
NEDH00651	34.1526	114.0591	1.2614	-2.375	-3.757	0.4579	-.0265
NEDH00751	34.1752	114.0531	.	.	.	0.4986	0.0066
NEDH00851	34.2107	114.0082	1.5612	-1.753	-4.151	0.6045	0.0389
NEDH00951	34.2036	114.0103	1.8397	-1.167	-4.154	0.7280	-.1048
NEDH01051	34.1924	114.0254	.	.	.	0.4863	-.0239
NEDH01151	34.1991	114.0667	1.1007	-2.15	-3.406	0.4466	-.0152
NEDH01251	34.2132	114.0836	.	.	.	.	.
NEDH01351	34.2330	114.0805	.	.	.	0.1981	0.0571
NEDH01451	34.1602	114.1194	1.1726	-2.882	-3.661	0.3720	-.0102
NEDH01551	34.1549	114.1487	.	.	.	0.2153	0.0399
NEDH01651	34.1588	114.1805	.	.	.	0.4864	-.0240
NEDH01751	34.1580	114.2088	1.5113	-2.623	-3.748	0.5966	-.0055
NEDH01851	34.2454	114.1768	.	.	.	.	.
NEDH01951	34.2205	114.2097	.	.	.	0.2594	0.2592
NEDH02051	34.2436	114.2209	1.3925	-1.396	-4.159	0.6430	-.1245
NEDH02151	34.2295	114.2310	2.2215	-2.74	-4.313	0.7932	-.0690
NEDH02251	34.1989	114.2193	1.0557	-2.507	-3.286	0.4693	-.0714
NEDH02351	34.2250	114.1882	.	.	.	0.0957	-.0165
NEDH02451	34.1982	114.1405	.	.	.	0.3196	0.0228
NEDH02551	34.1990	114.1463	.	.	.	0.3417	0.5877
NEDH02651	34.2257	114.1404	.	.	.	0.4603	-.0801
NEDH02751	34.2145	114.1511	.	.	.	0.9129	0.2993
NEDH02851	34.2181	114.1613	1.4921	-2.395	-3.925	0.6035	-.0983
NEDH02951	34.1878	114.1869	1.3689	-2.035	-3.75	0.6275	0.0446
NEDH03051	34.1833	114.2009	.	.	.	0.5202	0.4926
NEDH03151	34.1125	114.1980	1.4948	-2.442	-3.827	0.6630	-.0610
NEDH03251	34.0856	114.2031	0.9669	-2.641	-3.266	0.3873	-.0863
NEDH03351	34.0960	114.1754	.	.	.	0.3556	-.0132
NEDH03451	34.0943	114.1405	.	.	.	0.4438	-.2977
NEDH03551	34.0591	114.2036	.	.	.	0.3300	-.1259
NEDH03651	34.0632	114.1766	.	.	.	0.4353	0.0561
NEDH03751	34.0654	114.1430	.	.	.	0.5925	.
NEDH03851	34.0361	114.2088	.	.	.	0.5287	.
NEDH03951	34.0356	114.1793	2.1534	-3.426	-4.014	0.5916	-.1936
NEDH04051	34.0364	114.1496	1.0417	-2.535	-3.249	0.5473	-.0288
NEDH04151	34.0103	114.2158	.	.	.	0.5891	.
NEDH04251	34.0117	114.1799	.	.	.	0.6056	-.1142
NEDH04351	34.0117	114.1474	1.4088	-2.724	-3.551	0.5641	0.0157
NEDH04451	34.1716	114.0067	.	.	.	.	.
NEDH04551	34.1471	114.0398	.	.	.	0.5482	-.0297
NEDH04651	34.1303	114.0384	1.0587	-1.965	-3.566	0.4412	0.0502
NEDH04751	34.1098	114.0105	0.8071	-2.27	-3.182	0.3416	0.0008

## CONTOUR PLOT OF LATITUDE\*LONGITUD

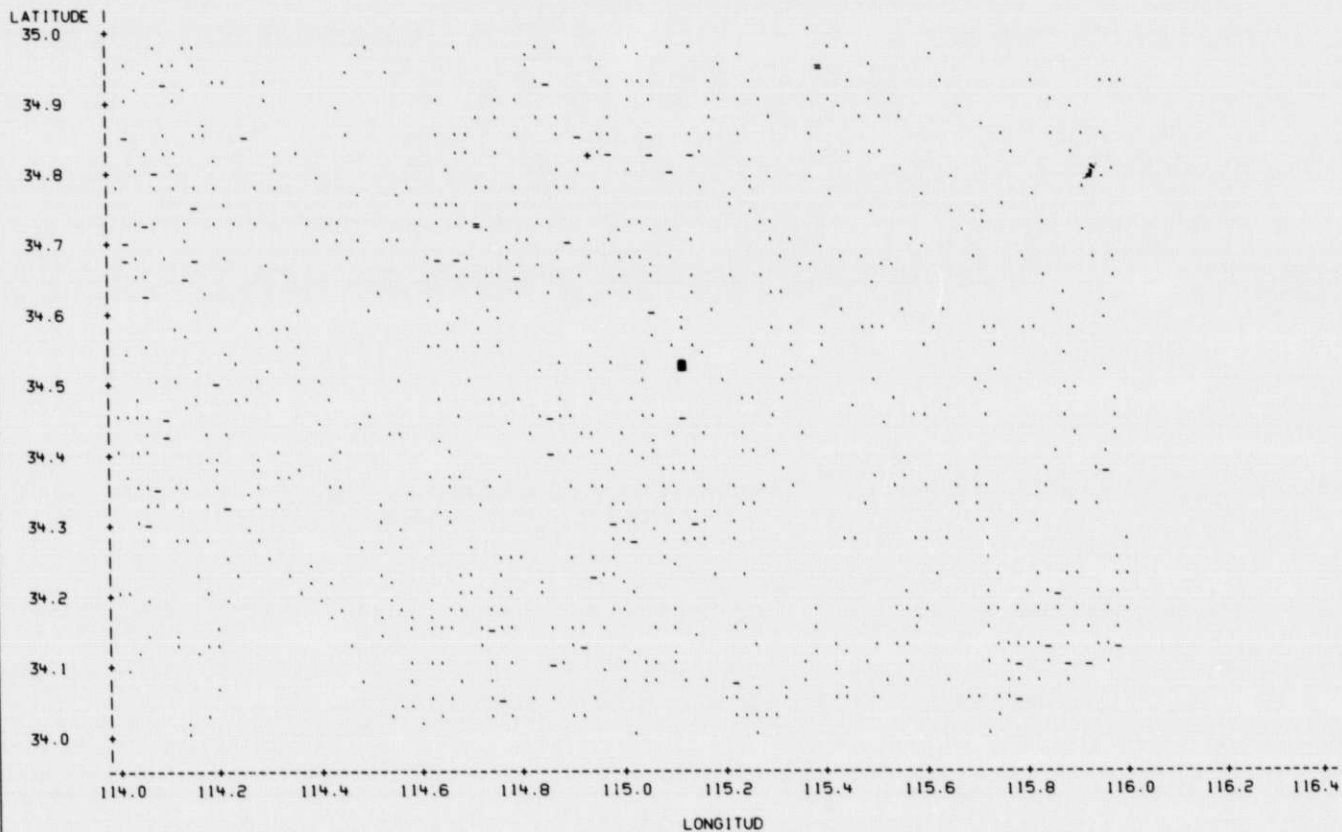


SYMBOL	URESID	SYMBOL	URESID	SYMBOL	URESID
.....	-0.3886245 - -0.3162503	+++++	0.1179946 - 0.2627429	000000	0.6969878 - 0.8417361
.....	-0.3162503 - -0.1715020	000000	0.2627429 - 0.4074912	000000	0.8417361 - 0.9141102
-----	-0.1715020 - -0.0267537	XXXXXX	0.4074912 - 0.5522395		
*****	-0.0267537 - 0.1179946	000000	0.5522395 - 0.6969878		

NOTE: 14 OBS HAD MISSING VALUES 129 OBS HIDDEN



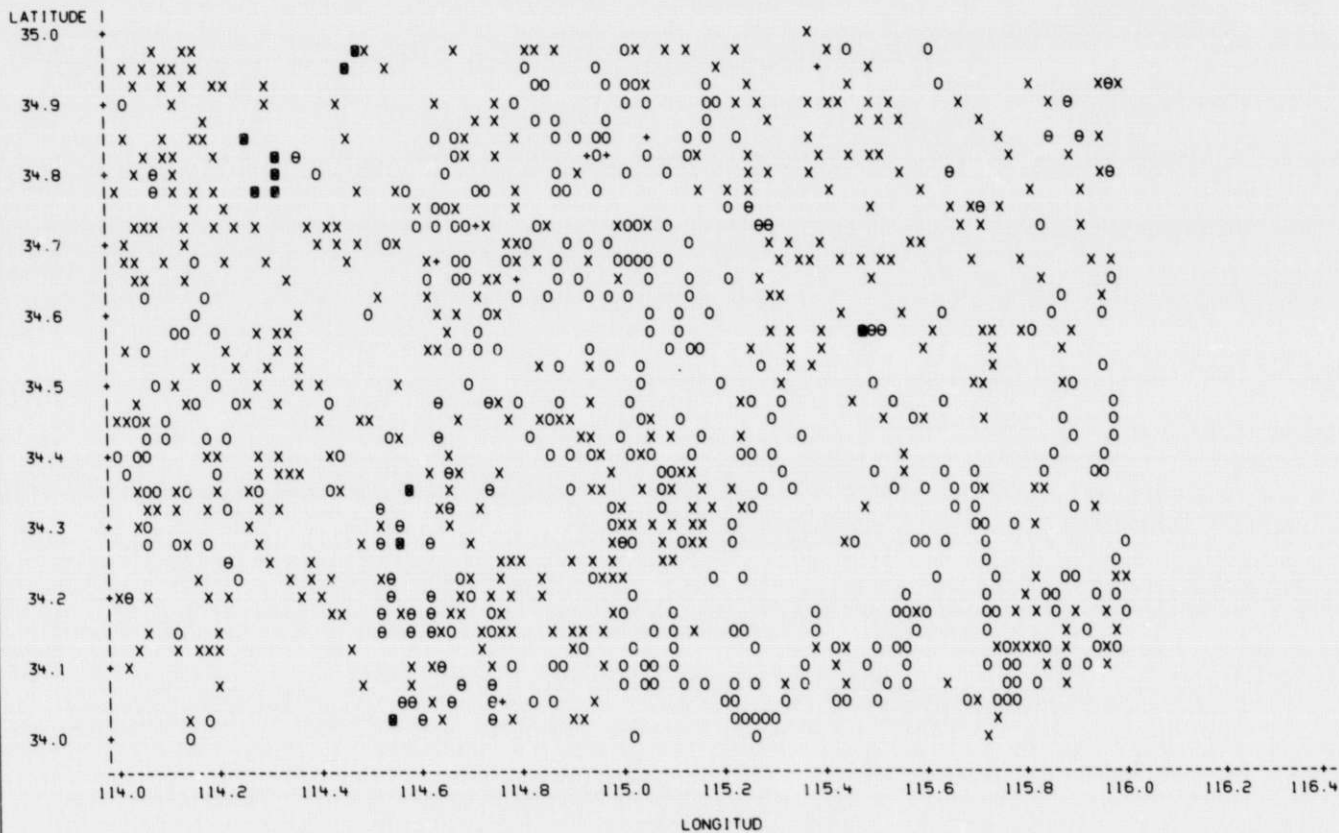
## CONTOUR PLOT OF LATITUDE\*LONGITUD



SYMBOL	FACTOR1	SYMBOL	FACTOR1	SYMBOL	FACTOR1
.....	0.667498 - 1.277160	+++++	4.935128 - 6.154451	000000	9.812420 - 11.031743
.....	1.277160 - 2.496483	000000	6.154451 - 7.373774	000000	11.031743 - 11.641405
-----	2.496483 - 3.715805	XXXXXX	7.373774 - 8.593097		
*****	3.715805 - 4.935128	000000	8.593097 - 9.812420		

NOTE: 14 OBS HAD MISSING VALUES 79 OBS HIDDEN

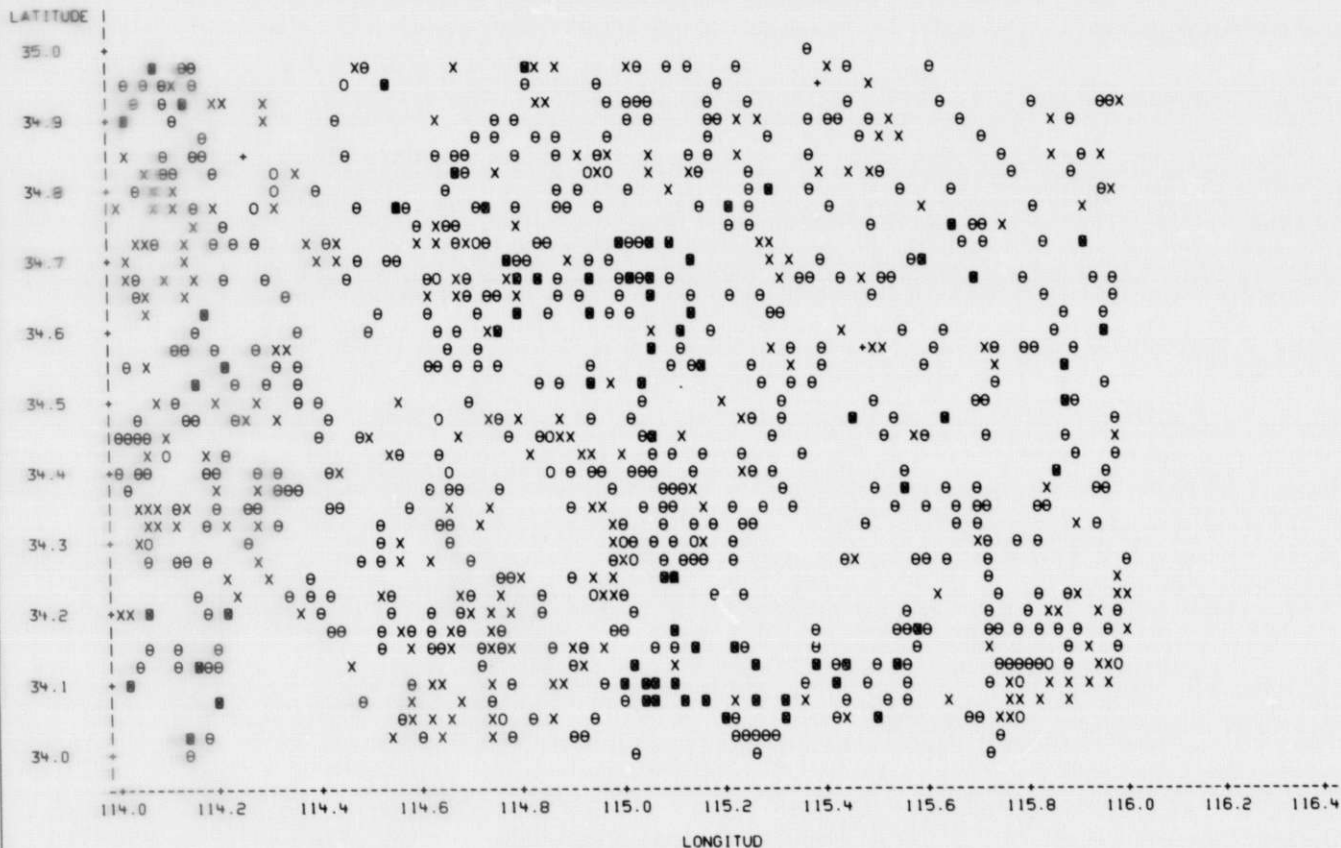
## CONTOUR PLOT OF LATITUDE\*LONGITUD



SYMBOL	FACTOR2	SYMBOL	FACTOR2	SYMBOL	FACTOR2
.....	-8.1939825 - -7.6900141	+++++	-4.6662033 - -3.6582664	000000	-0.6344557 - 0.3734812
-----	-7.6900141 - -6.6820772	000000	-3.6582664 - -2.6503295	000000	0.3734812 - 0.8774497
-----	-6.6820772 - -5.6741403	XXXXXX	-2.6503295 - -1.6423926		
-----	-5.6741403 - -4.6662033	000000	-1.6423926 - -0.6344557		

NOTE: 14 OBS HAD MISSING VALUES 79 OBS HIDDEN

## CONTOUR PLOT OF LATITUDE\*LONGITUD



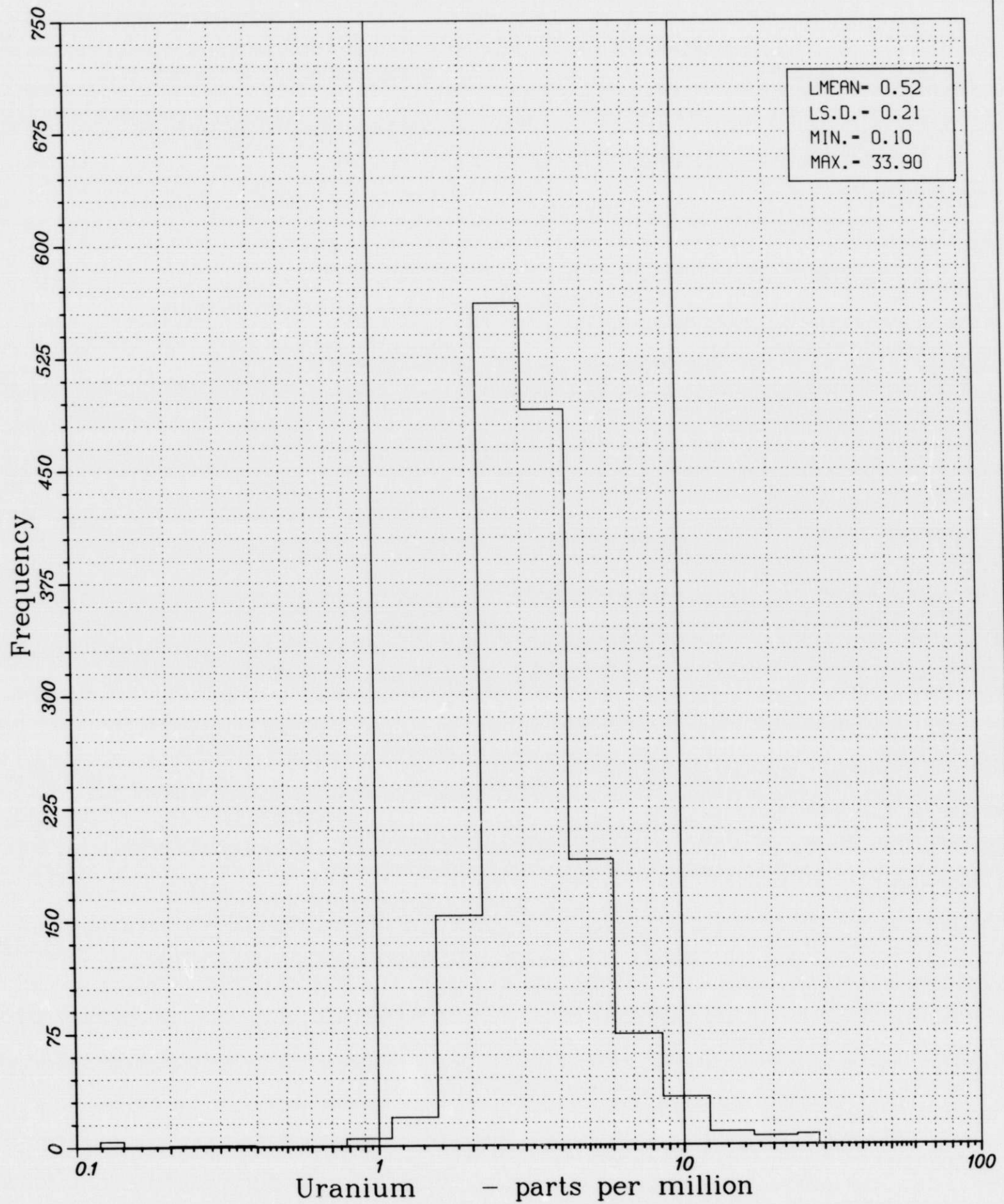
SYMBOL	FACTOR3	SYMBOL	FACTOR3	SYMBOL	FACTOR3	SYMBOL	FACTOR3
.....	-7.88079 - -7.58893	*****	-6.42148 - -5.83775	XXXXXX	-4.67030 - -4.08658	■■■■■■	-2.91913 - -2.62726
.....	-7.58893 - -7.00520	+++++	-5.83775 - -5.25403	000000	-4.08658 - -3.50285		
-----	-7.00520 - -6.42148	000000	-5.25403 - -4.67030	000000	-3.50285 - -2.91913		

NOTE: 14 OBS HAD MISSING VALUES 79 OBS HIDDEN

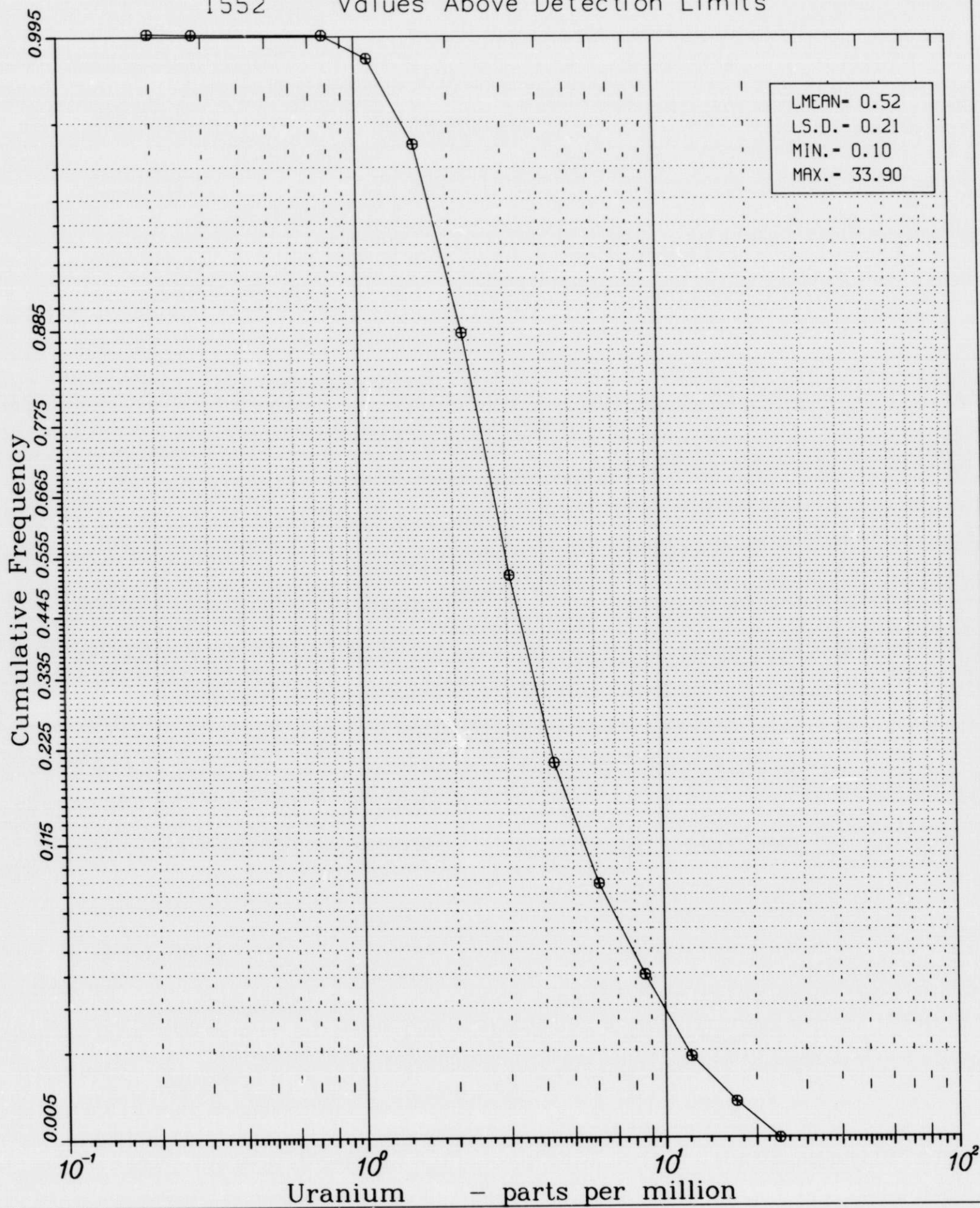
NEEDLES 1'x2' Sheet

Log Histogram Uranium Values Surface Site

1552 Values Above Detection Limits

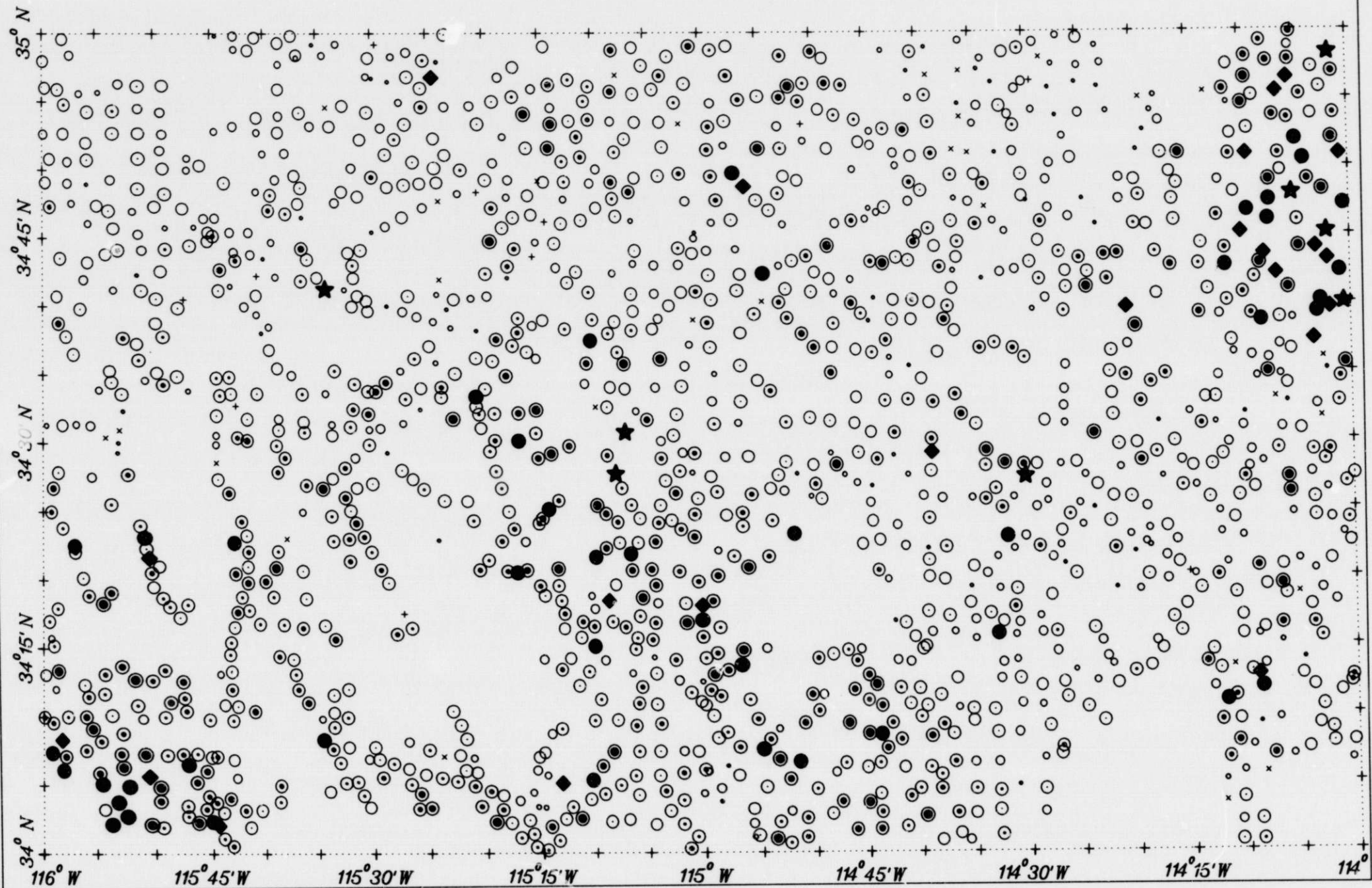


NEEDLES 1'x2' Sheet  
Log Cumulative Frequency Plot  
Uranium Values - Surface Sites  
1552 Values Above Detection Limits



**NEEDLES**      *1'x2' Sheet*  
**Uranium**      **In Sediments**  
**1552**      **Values Above D.L.**

Uranium concentration - p.p.m.				
+ < 1.1	○ 1.9- 2.0	○ 2.6- 2.9	⊙ 3.8- 4.8	● 7.4- 10.3
x 1.1- 1.6	○ 2.0- 2.3	⊙ 2.9- 3.3	⊙ 4.8- 5.9	◆ 10.3- 21.4
• 1.6- 1.9	○ 2.3- 2.6	⊙ 3.3- 3.8	⊙ 5.9- 7.4	★ > 21.4

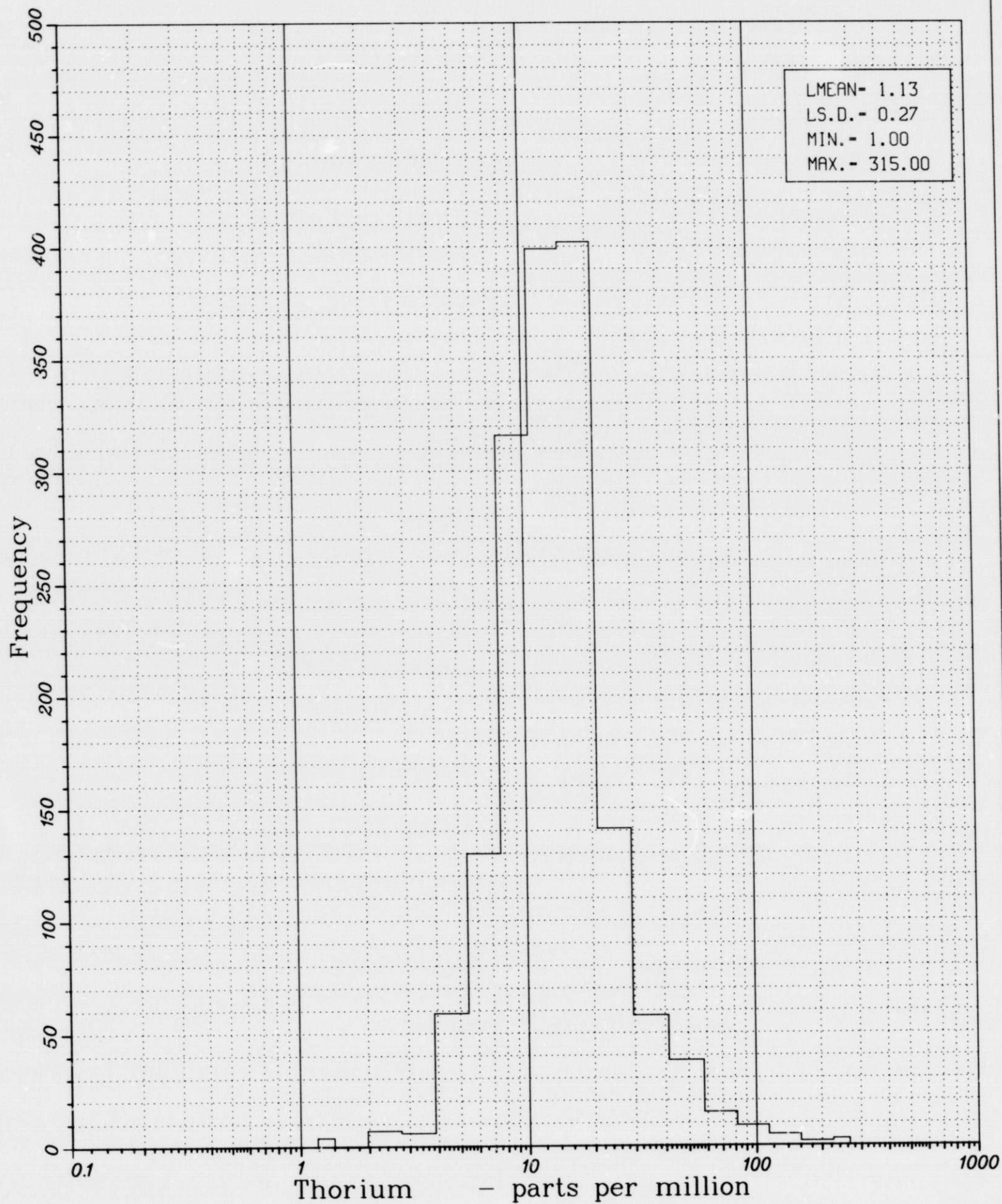


NEEDLES

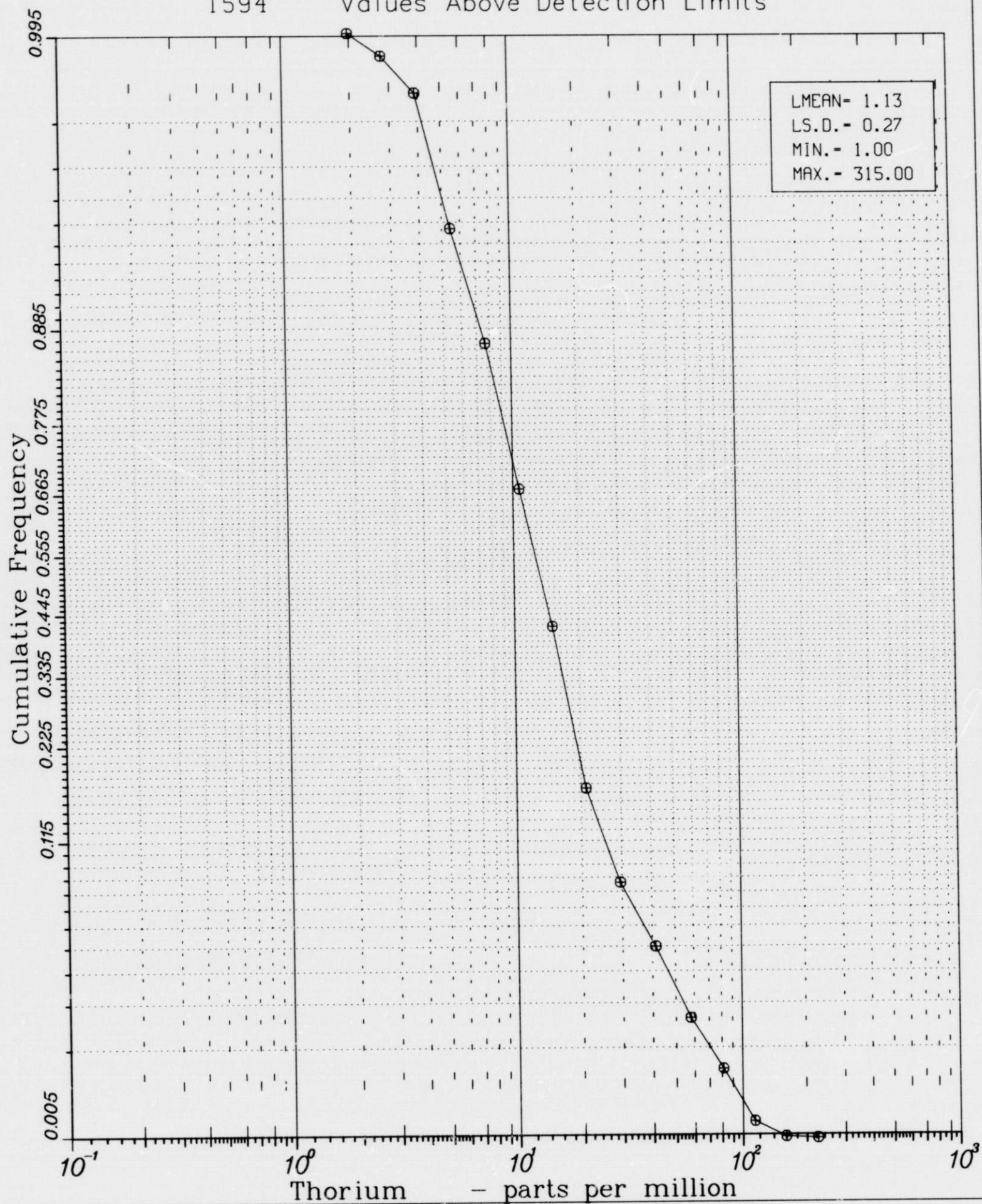
1°x2° Sheet

Log Histogram Thorium Values Surface Site

1594 Values Above Detection Limits



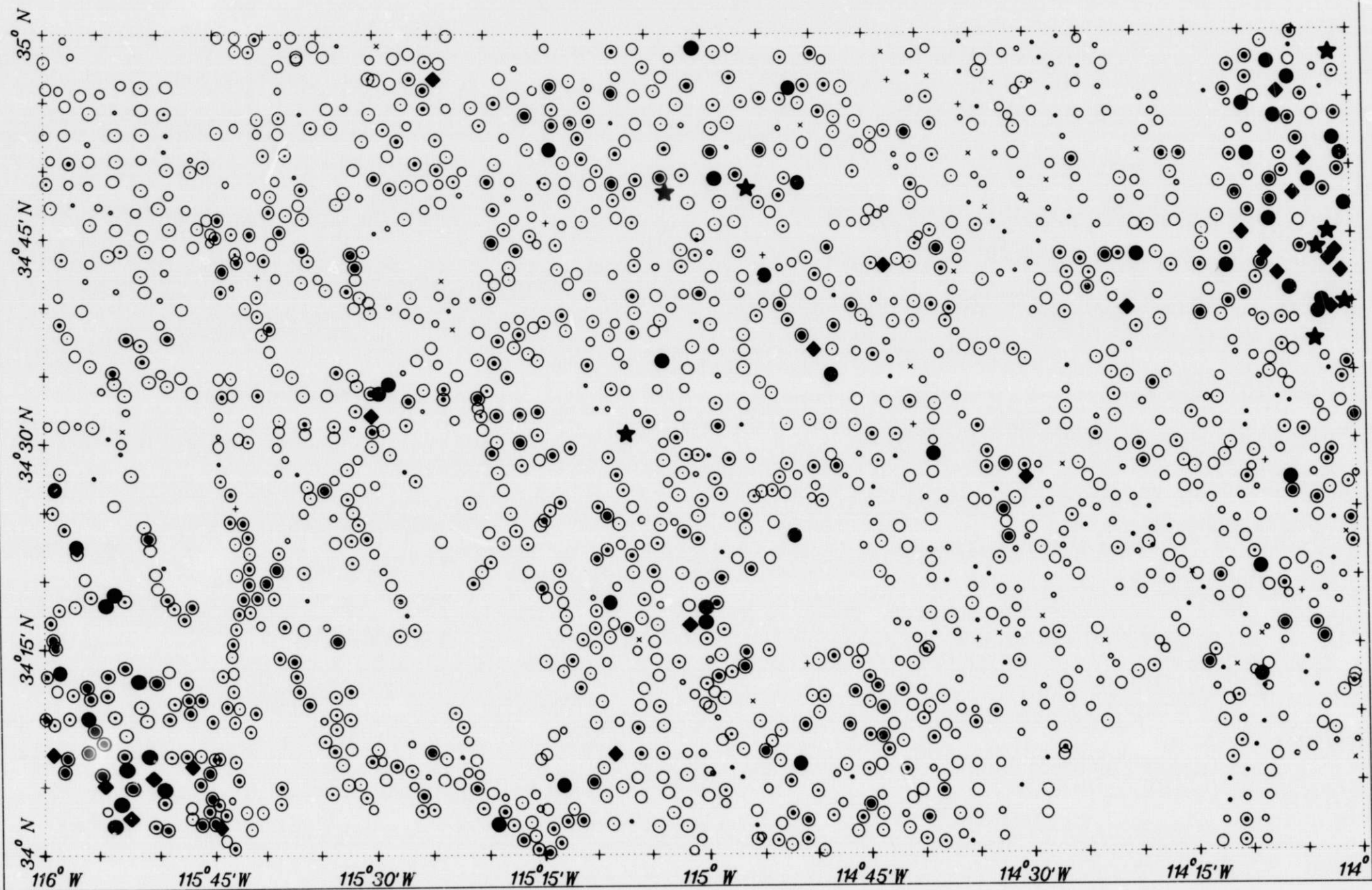
NEEDLES 1'x2' Sheet  
Log Cumulative Frequency Plot  
Thorium Values - Surface Sites  
1594 Values Above Detection Limits





**NEEDLES**      *1'x2' Sheet*  
**Thorium**      **In Sediments**  
**1594**      **Values Above D.L.**

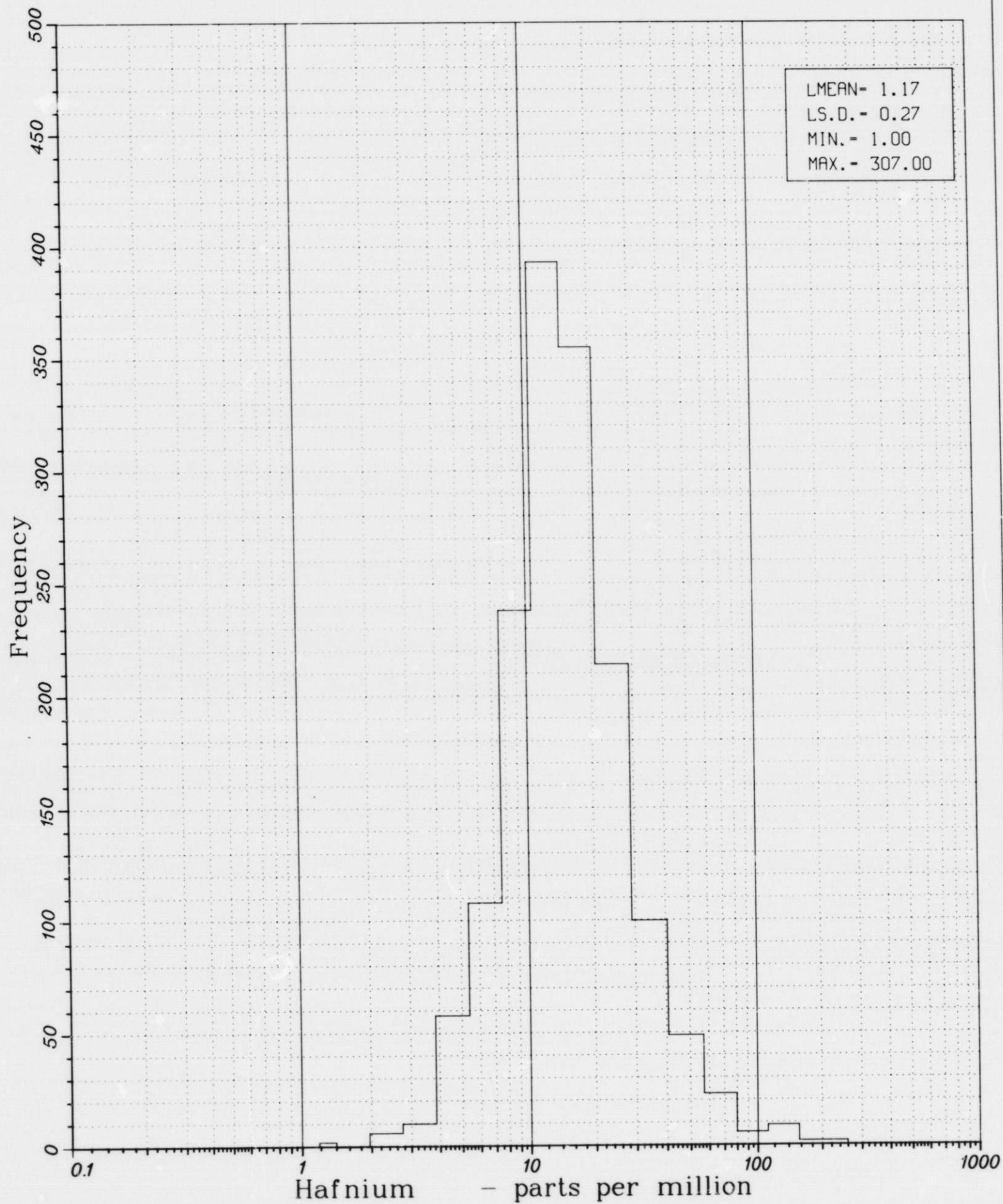
Thorium concentration - p.p.m.				
+ < 2.0	o 6.0- 7.0	○ 10.0- 12.0	⊙ 18.0- 22.0	● 38.0- 59.0
x 2.0- 4.0	o 7.0- 8.0	⊙ 12.0- 15.0	⊙ 22.0- 28.0	◆ 59.0- 120.0
• 4.0- 6.0	○ 8.0- 10.0	⊙ 15.0- 18.0	⊙ 28.0- 38.0	★ > 120.0



NEEDLES 1'x2' Sheet

Log Histogram Hafnium Values Surface Site

1575 Values Above Detection Limits

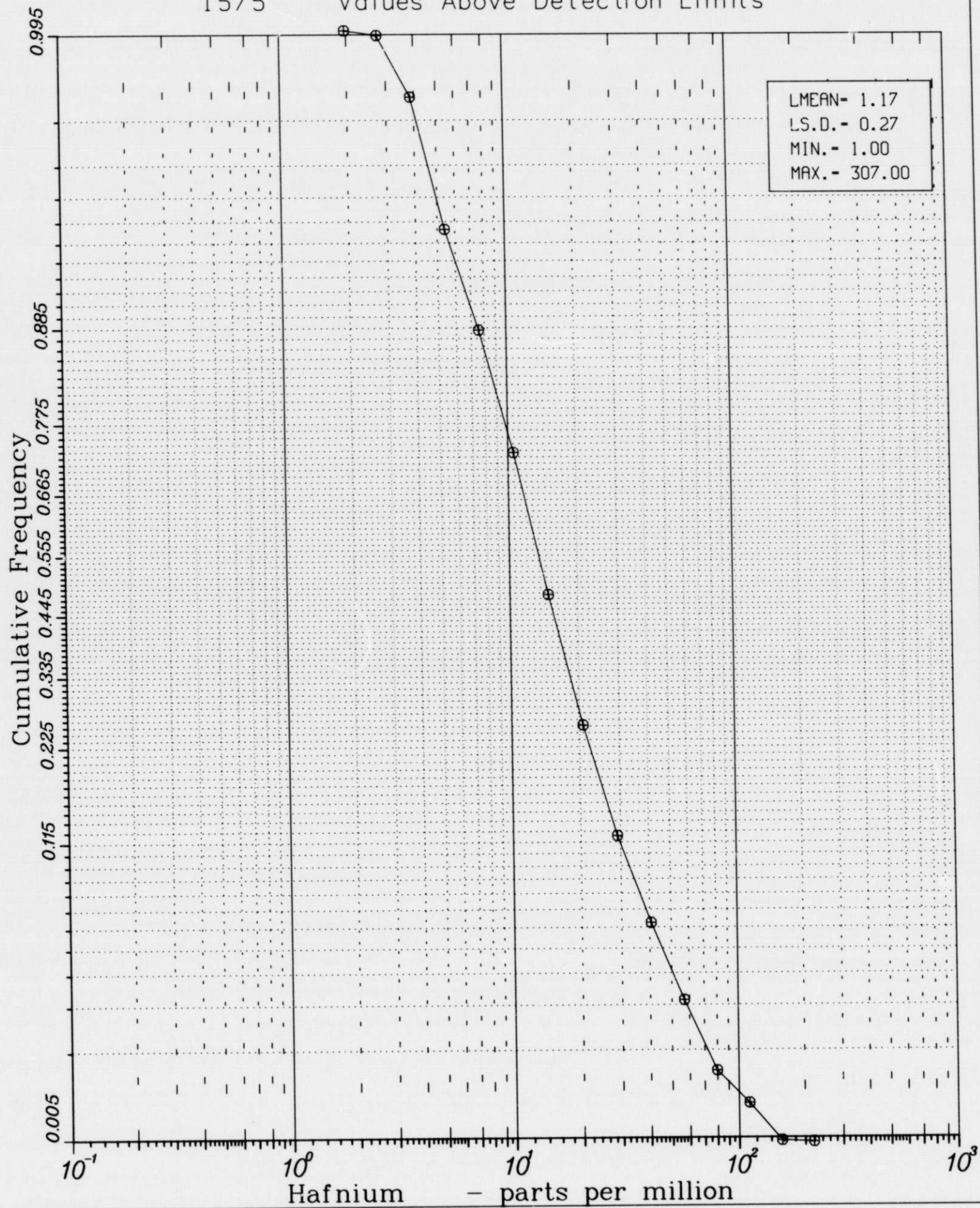


NEEDLES 1'x2' Sheet

Log Cumulative Frequency Plot

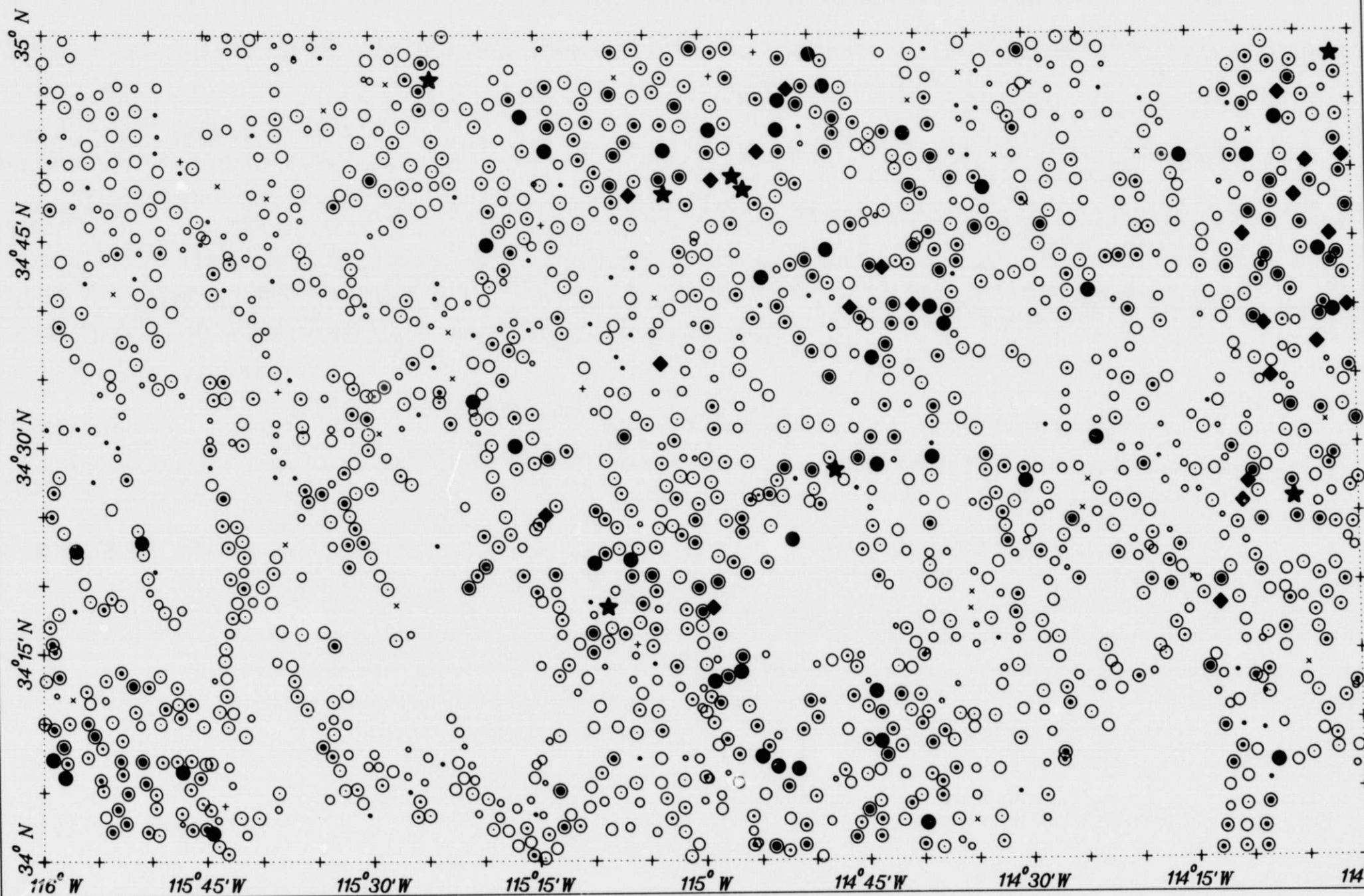
Hafnium Values - Surface Sites

1575 Values Above Detection Limits



**NEEDLES**      *1x2' Sheet*  
**Hafnium**      **In Sediments**  
**1575**      **Values Above D.L.**

Hafnium concentration - p.p.m.				
+ < 2.0	○ 6.0- 7.0	○ 11.0- 13.0	⊙ 20.0- 26.0	● 43.0- 62.0
x 2.0- 4.0	○ 7.0- 9.0	○ 13.0- 16.0	⊙ 26.0- 33.0	◆ 62.0- 118.0
• 4.0- 6.0	○ 9.0- 11.0	○ 16.0- 20.0	⊙ 33.0- 43.0	★ > 118.0



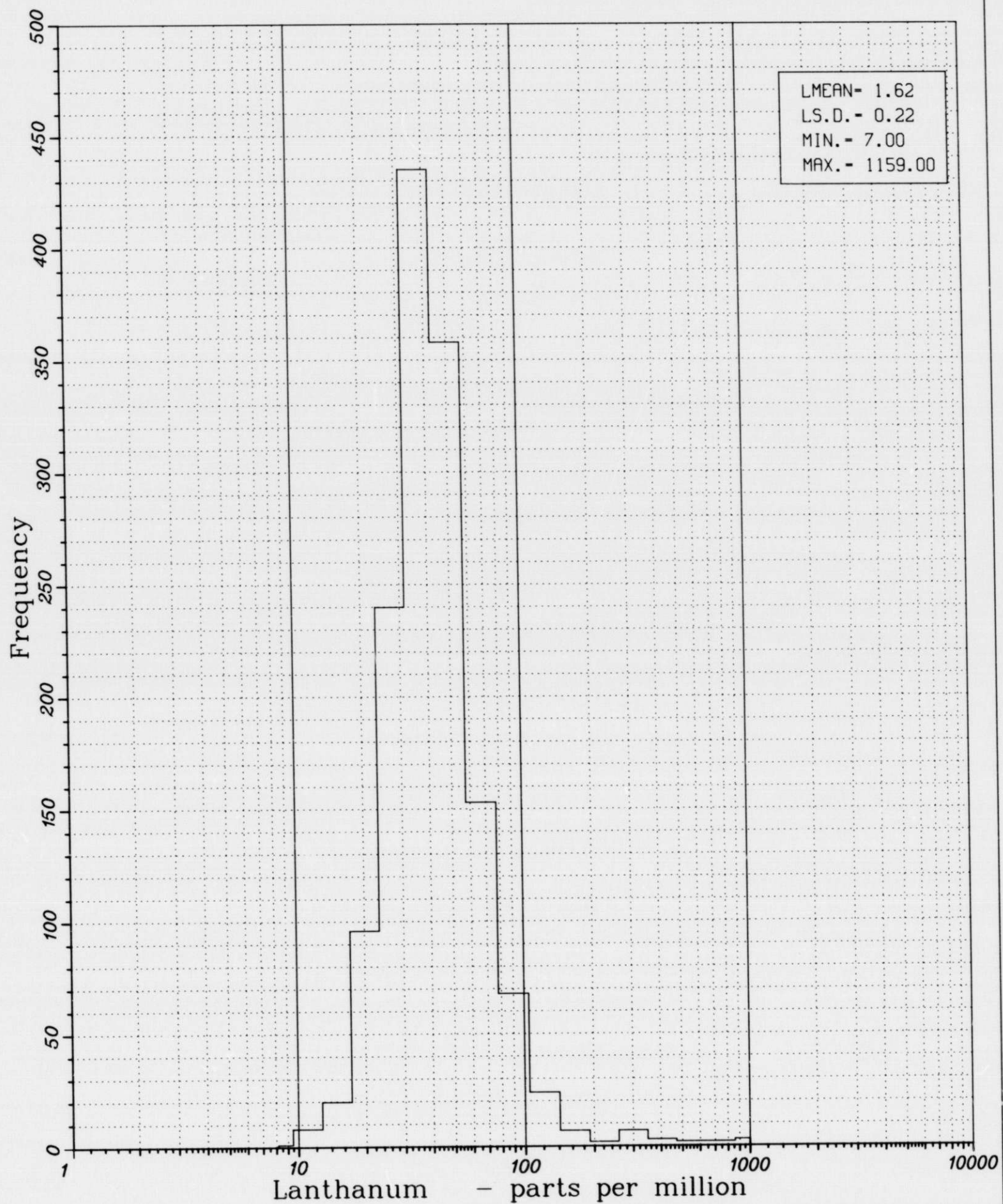
NEEDLES

1x2 Sheet

Log Histogram Lanthanum Values Surface Site

1429

Values Above Detection Limits

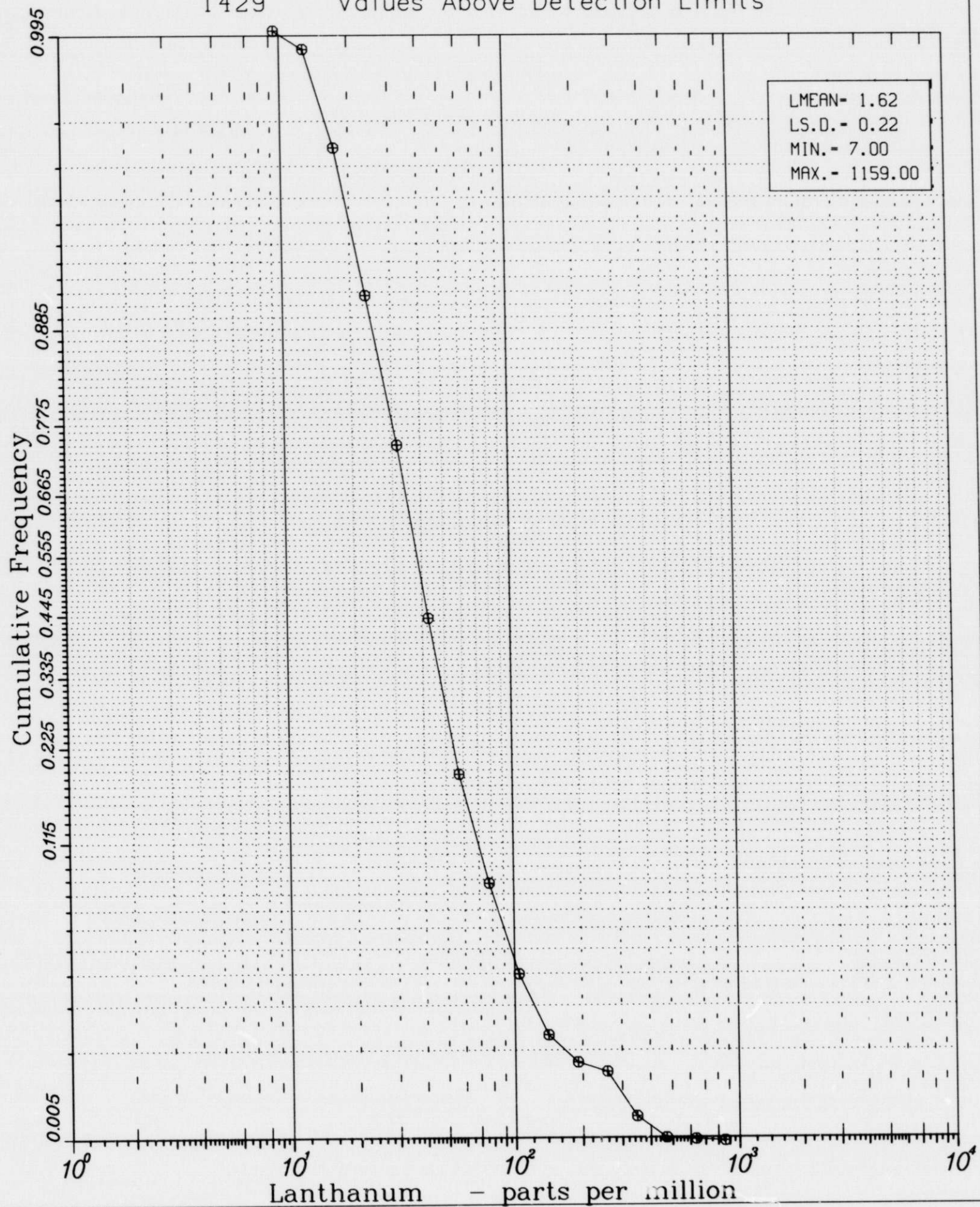


NEEDLES 1'x2' Sheet

Log Cumulative Frequency Plot

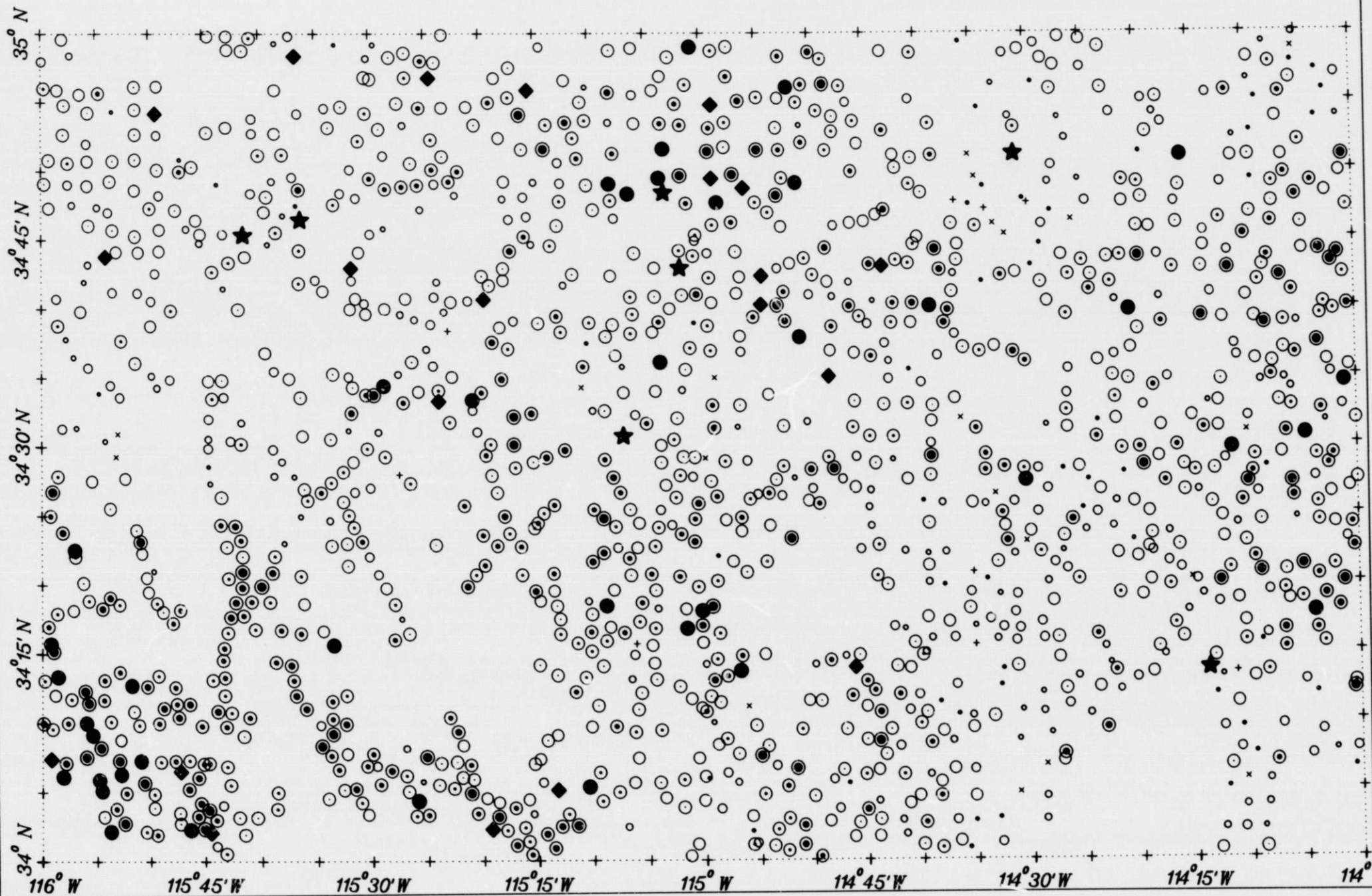
Lanthanum Values - Surface Sites

1429 Values Above Detection Limits



**NEEDLES** *1x2' Sheet*  
**Lanthanum In Sediments**  
**1429 Values Above D.L.**

Lanthanum concentration - p.p.m.				
+ < 12.0	• 21.0- 24.0	○ 32.0- 37.0	⊙ 51.0- 63.0	● 93.0- 130.0
x 12.0- 17.0	○ 24.0- 27.0	⊙ 37.0- 43.0	⊙ 63.0- 75.0	◆ 130.0- 386.0
• 17.0- 21.0	○ 27.0- 32.0	⊙ 43.0- 51.0	⊙ 75.0- 93.0	★ > 386.0



NEEDLES

1°x2° Sheet

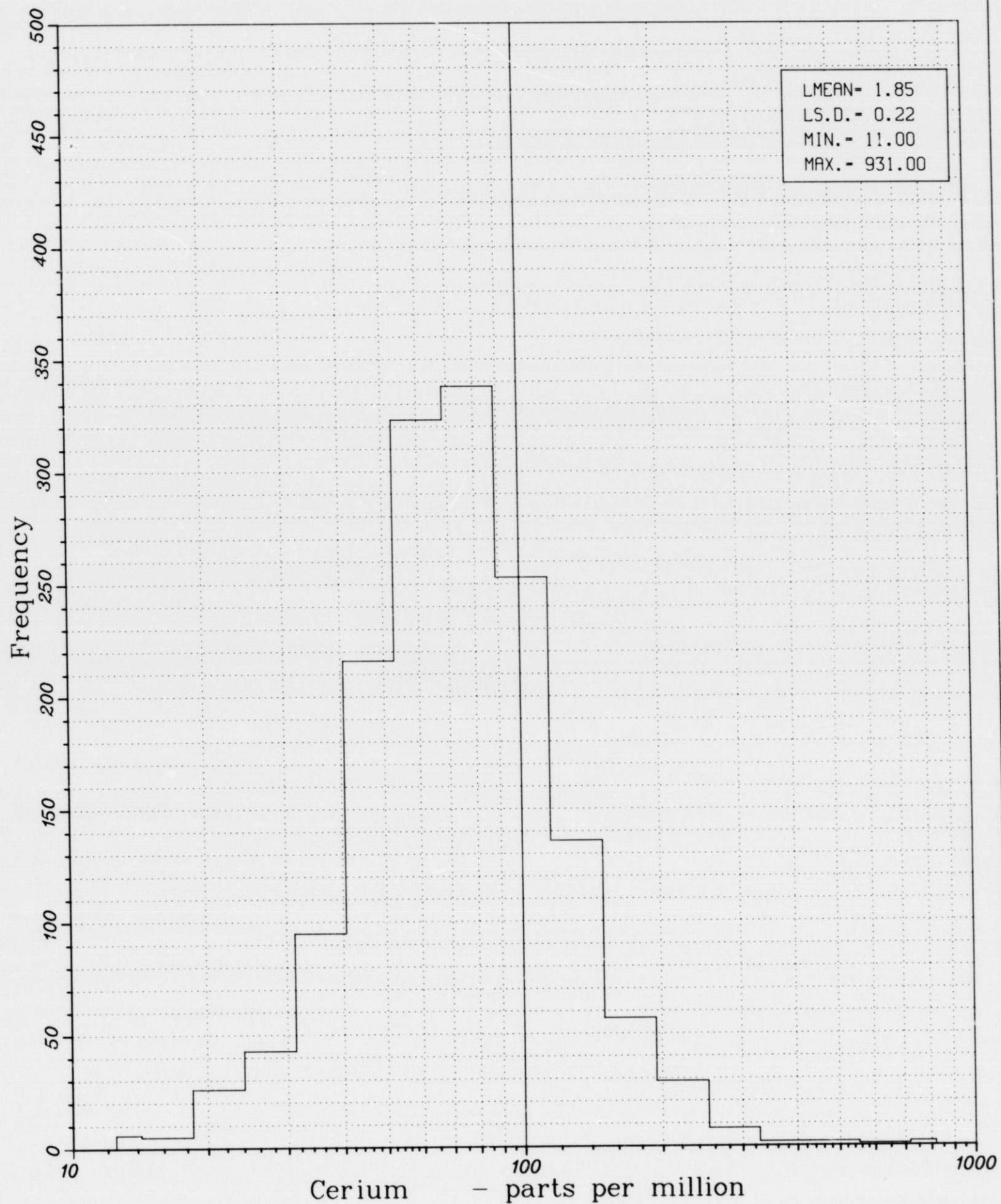
Log Histogram

Cerium

Values Surface Site

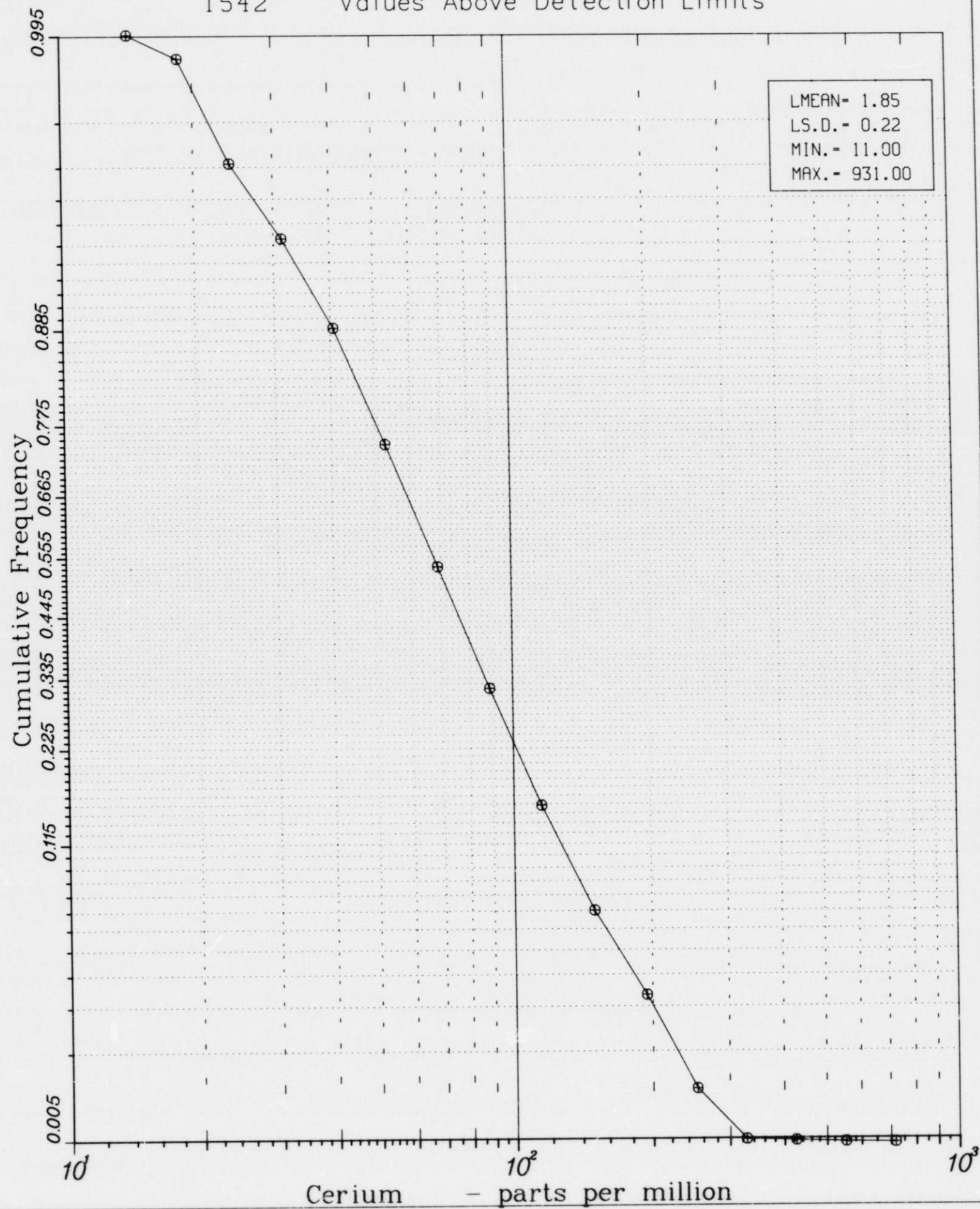
1542

Values Above Detection Limits



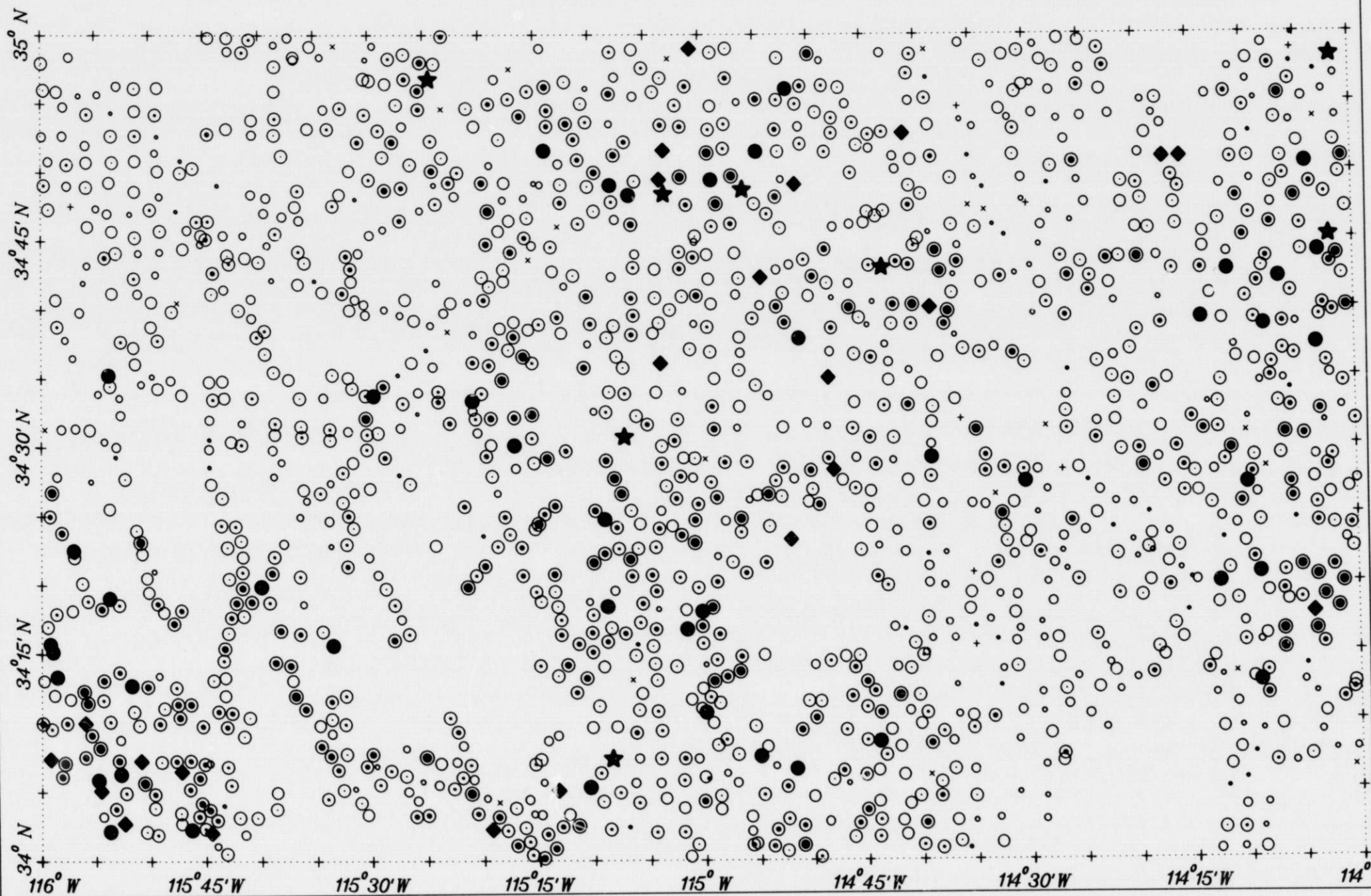


NEEDLES 1'x2' Sheet  
Log Cumulative Frequency Plot  
Cerium Values - Surface Sites  
1542 Values Above Detection Limits



**NEEDLES** *1'x2' Sheet*  
**Cerium** *In Sediments*  
**1542** *Values Above D.L.*

Cerium concentration - p.p.m.				
+ < 16.0	o 31.0- 37.0	○ 55.0- 65.0	⊙ 94.0- 114.0	● 163.0- 213.0
x 16.0- 23.0	o 37.0- 45.0	⊙ 65.0- 78.0	⊙ 114.0- 134.0	◆ 213.0- 302.0
• 23.0- 31.0	○ 45.0- 55.0	⊙ 78.0- 94.0	⊙ 134.0- 163.0	★ > 302.0

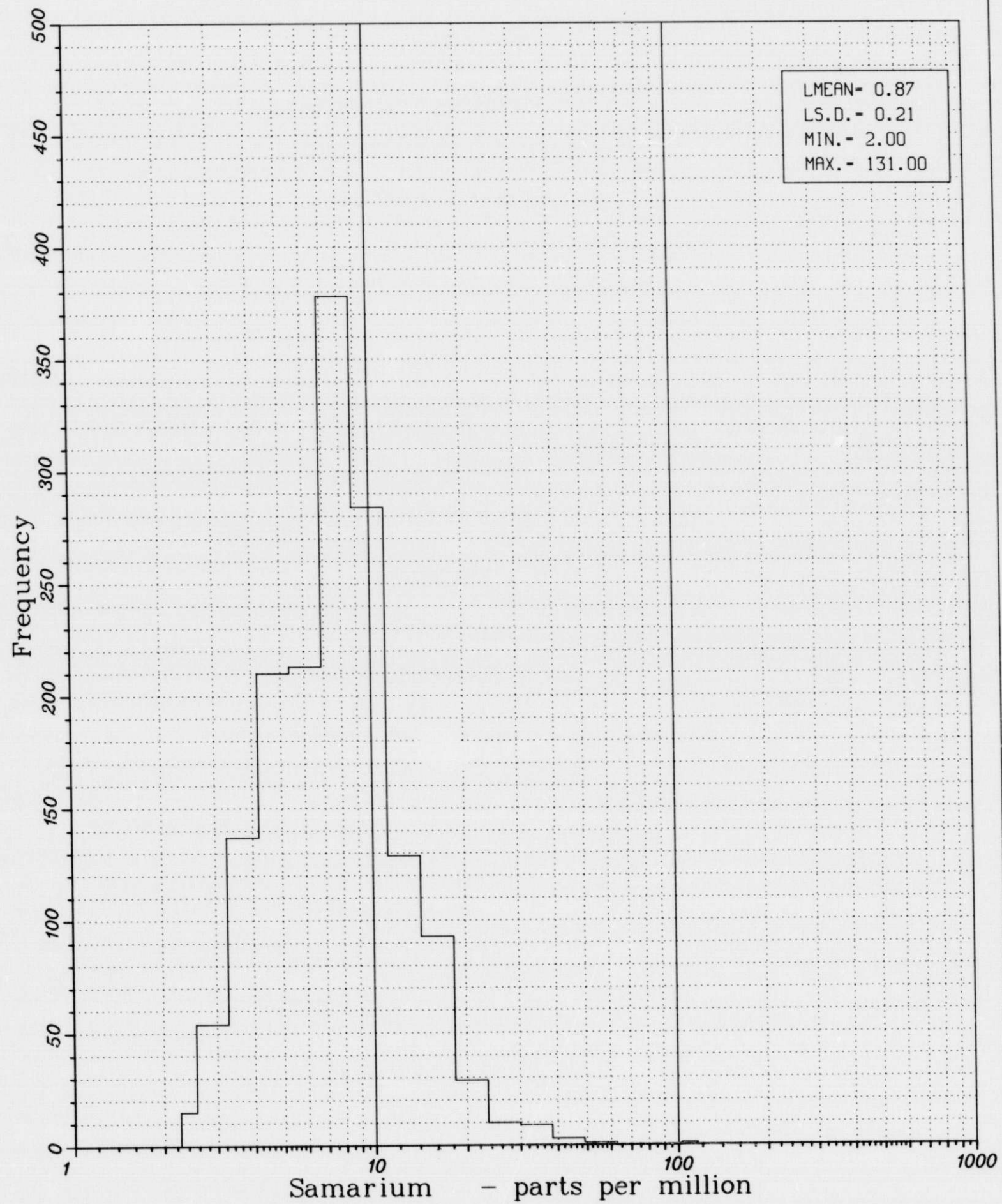


NEEDLES

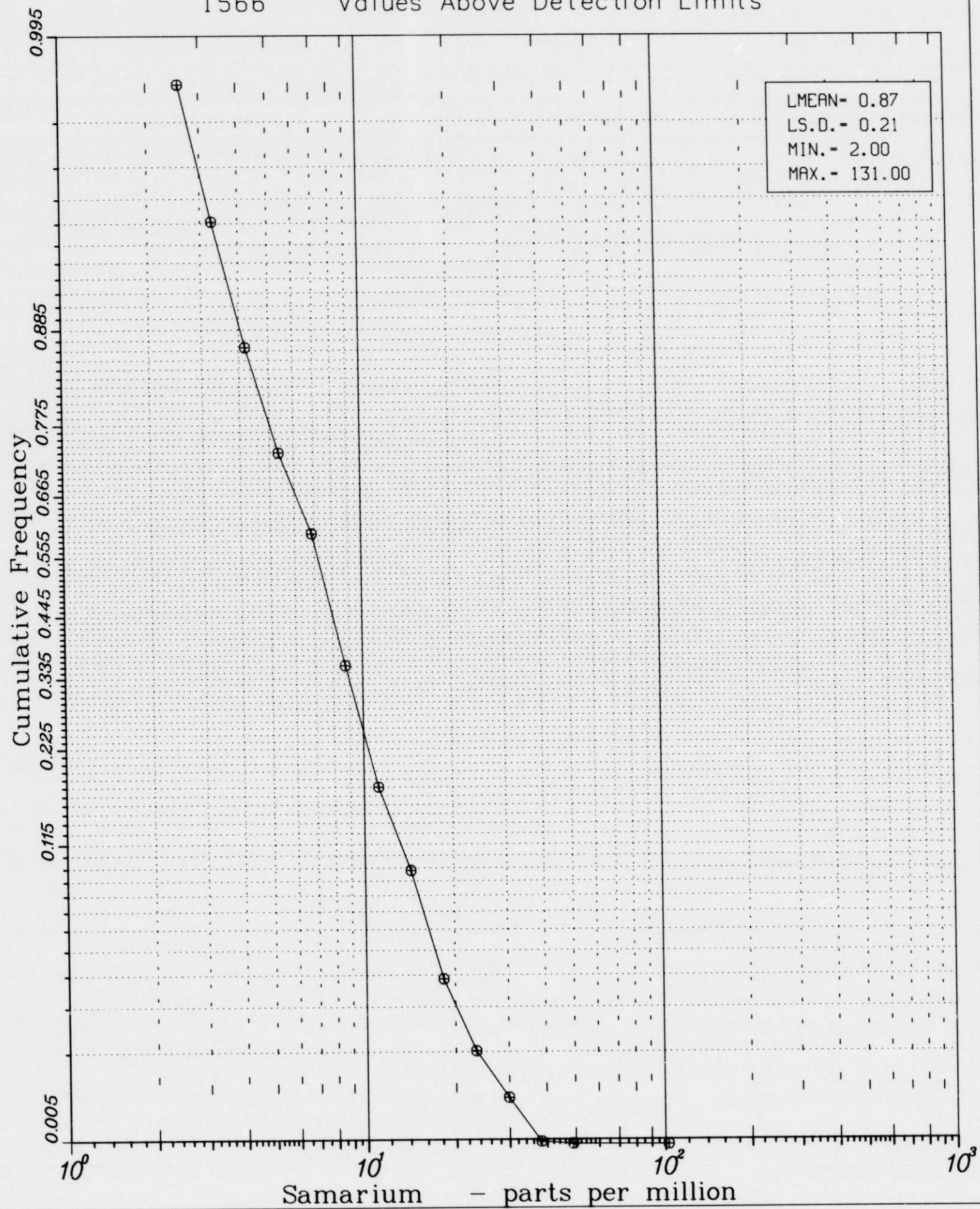
1'x2' Sheet

Log Histogram    Samarium    Values Surface Site

1566    Values Above Detection Limits

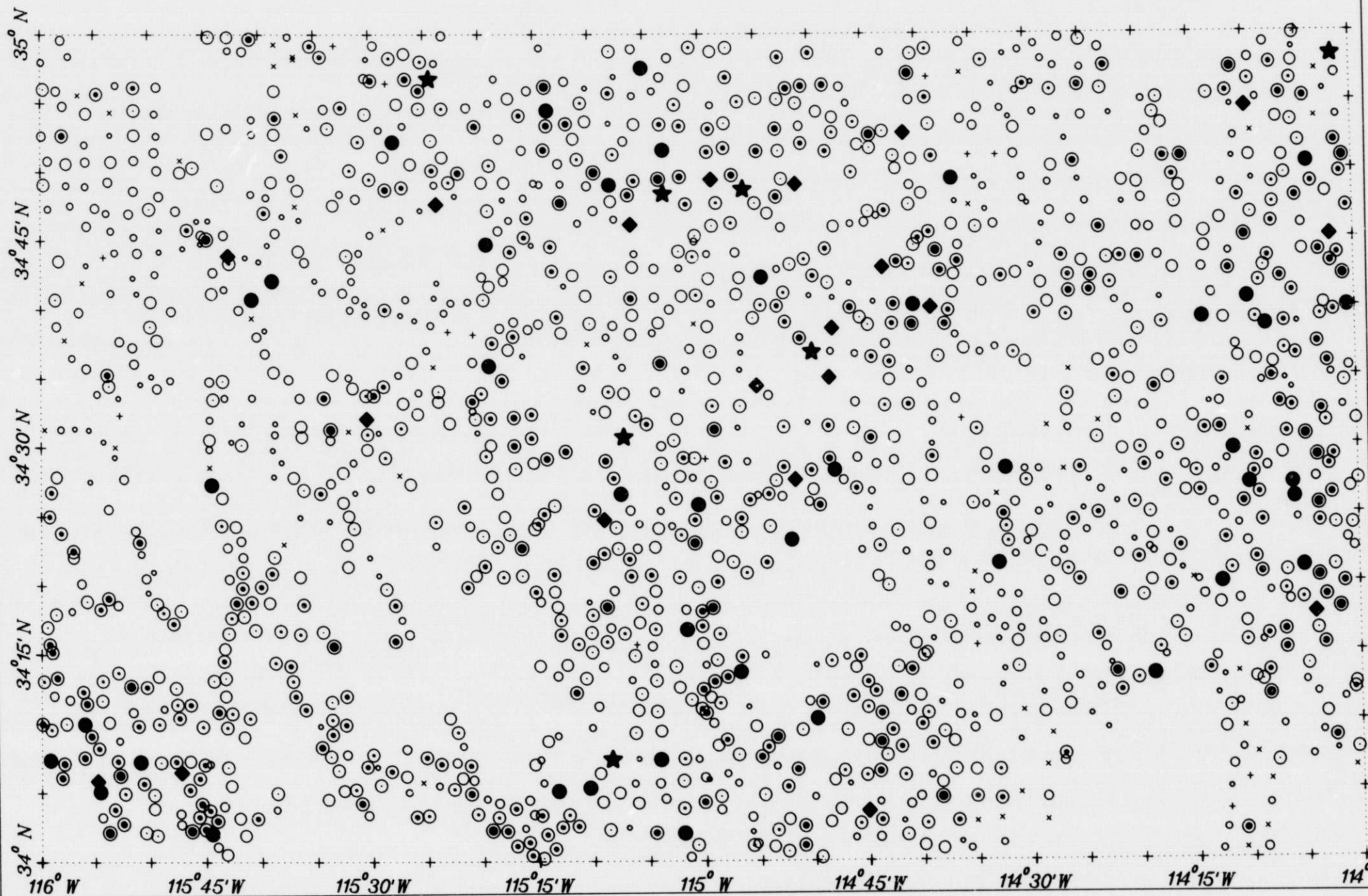


NEEDLES 1'x2' Sheet  
Log Cumulative Frequency Plot  
Samarium Values - Surface Sites  
1566 Values Above Detection Limits



**NEEDLES** *1'x2' Sheet*  
**Samarium** In Sediments  
**1566** Values Above D.L.

Samarium concentration - p.p.m.				
+ < 2.0	○ 4.0- 4.0	○ 6.0- 7.0	⊙ 9.0- 12.0	● 17.0- 22.0
x 2.0- 3.0	○ 4.0- 5.0	○ 7.0- 8.0	⊙ 12.0- 15.0	◆ 22.0- 32.0
• 3.0- 4.0	○ 5.0- 6.0	⊙ 8.0- 9.0	⊙ 15.0- 17.0	★ > 32.0



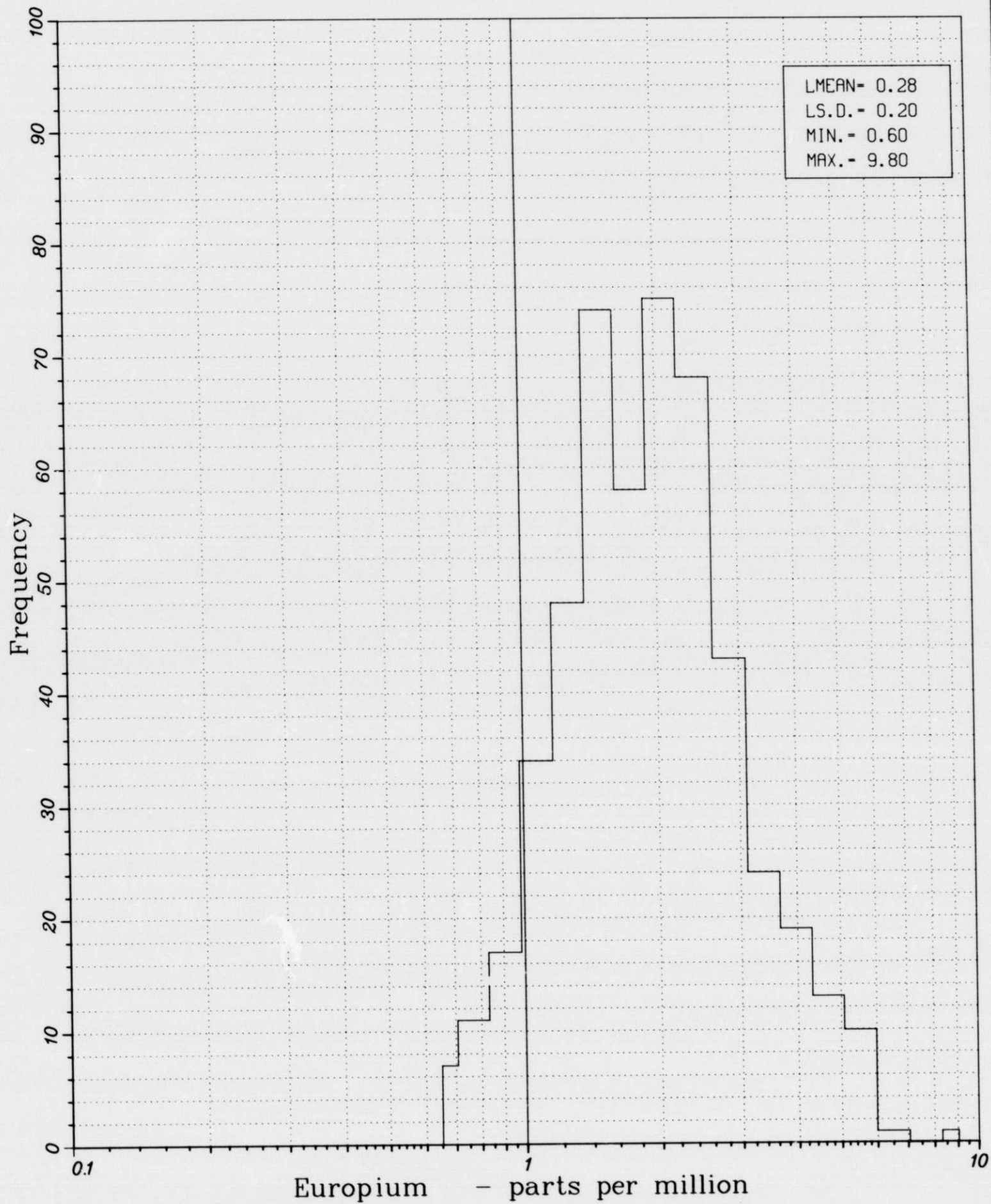
NEEDLES

1°x2° Sheet

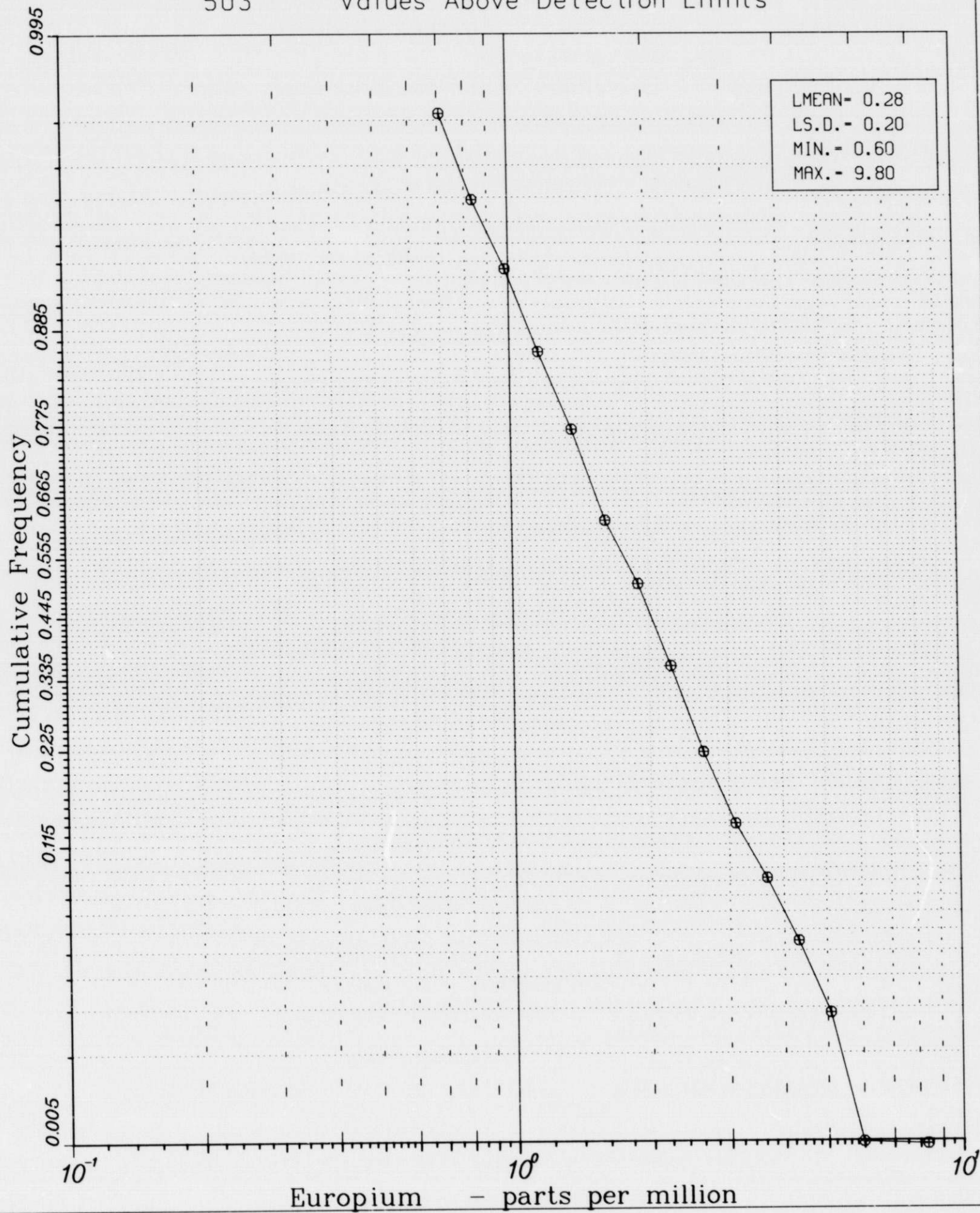
Log Histogram Europium Values Surface Site

503

Values Above Detection Limits

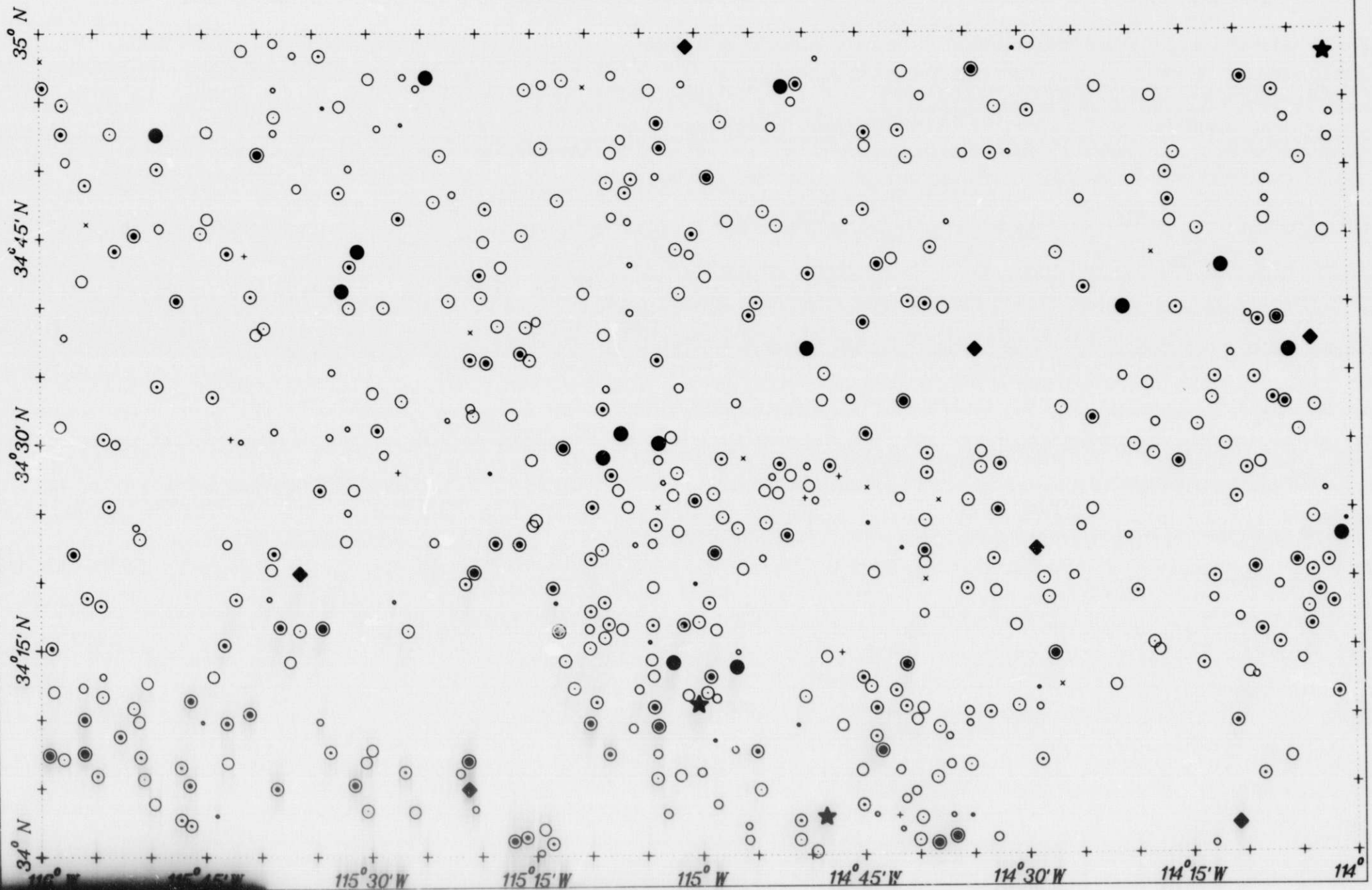


NEEDLES 1'x2' Sheet  
Log Cumulative Frequency Plot  
Europium Values - Surface Sites  
503 Values Above Detection Limits



**NEEDLES** *1'x2' Sheet*  
**Europium In Sediments**  
**503 Values Above D.L.**

Europium concentration - p.p.m.				
+ < 0.7	• 0.9- 1.0	○ 1.4- 1.7	⊙ 2.5- 2.9	● 4.3- 5.1
x 0.7- 0.8	○ 1.0- 1.2	⊙ 1.7- 2.1	⊙ 2.9- 3.6	◆ 5.1- 5.8
• 0.8- 0.9	○ 1.2- 1.4	⊙ 2.1- 2.5	⊙ 3.6- 4.3	★ > 5.8



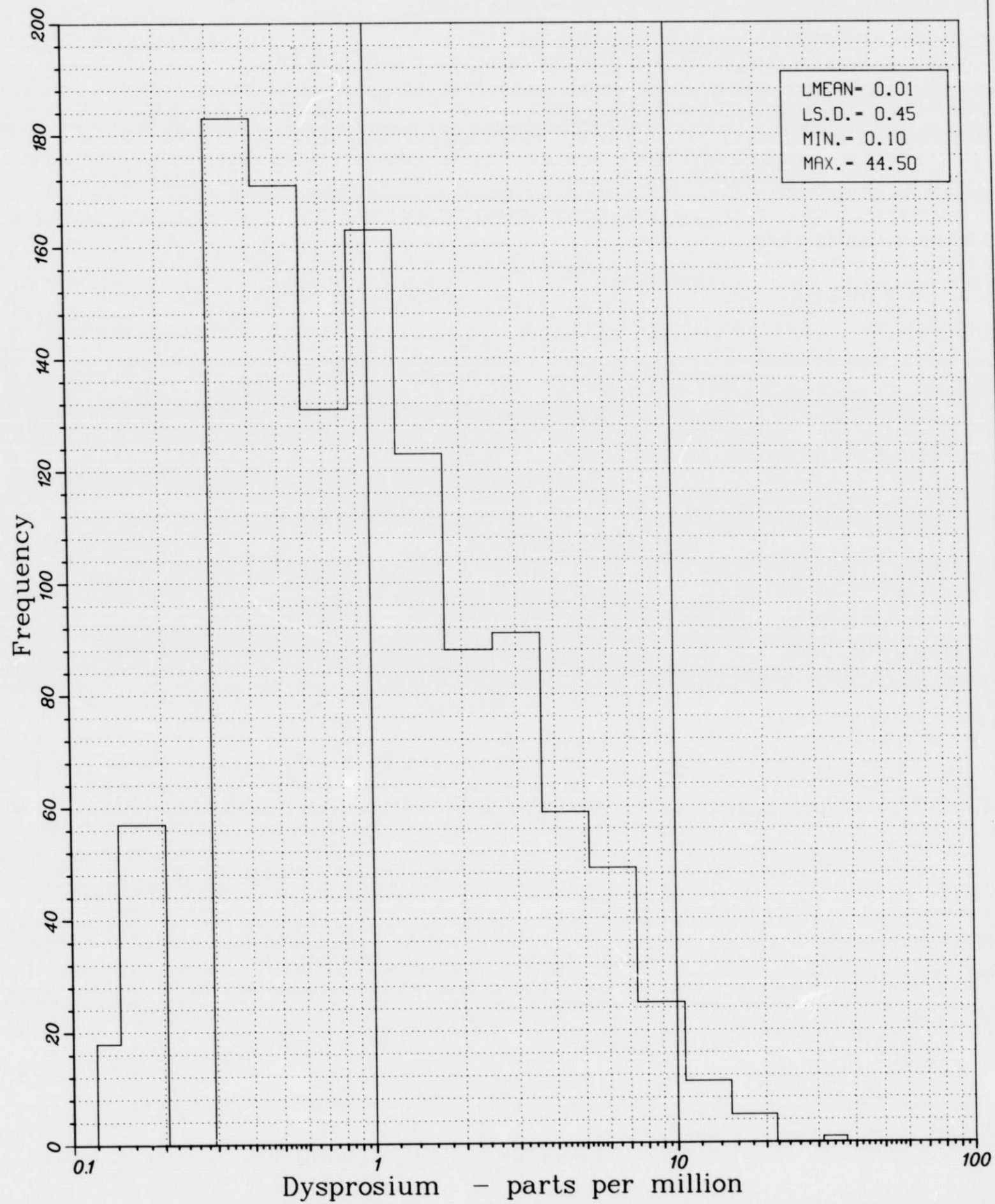


NEEDLES

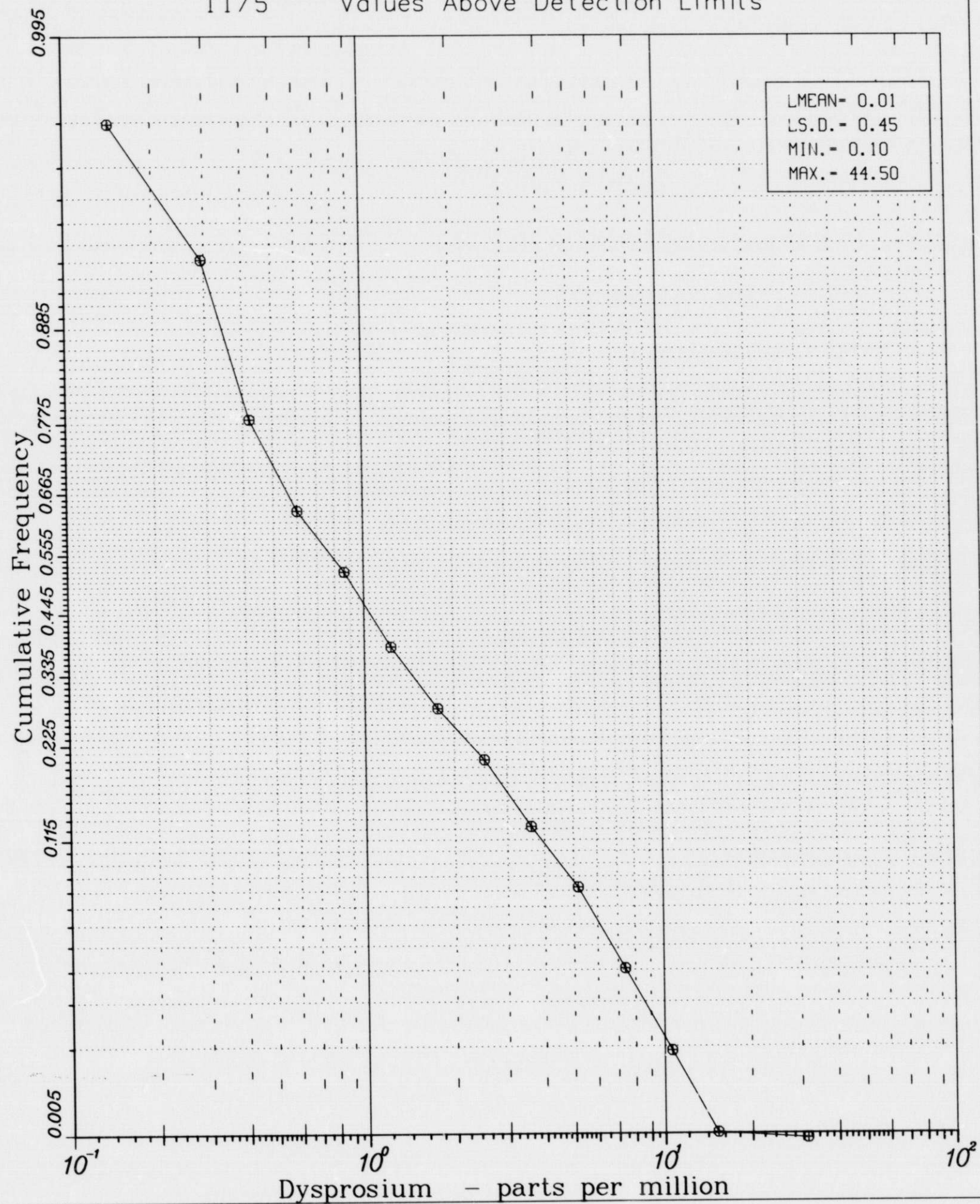
1'x2' Sheet

Log Histogram Dysprosium Values Surface Site

1175 Values Above Detection Limits



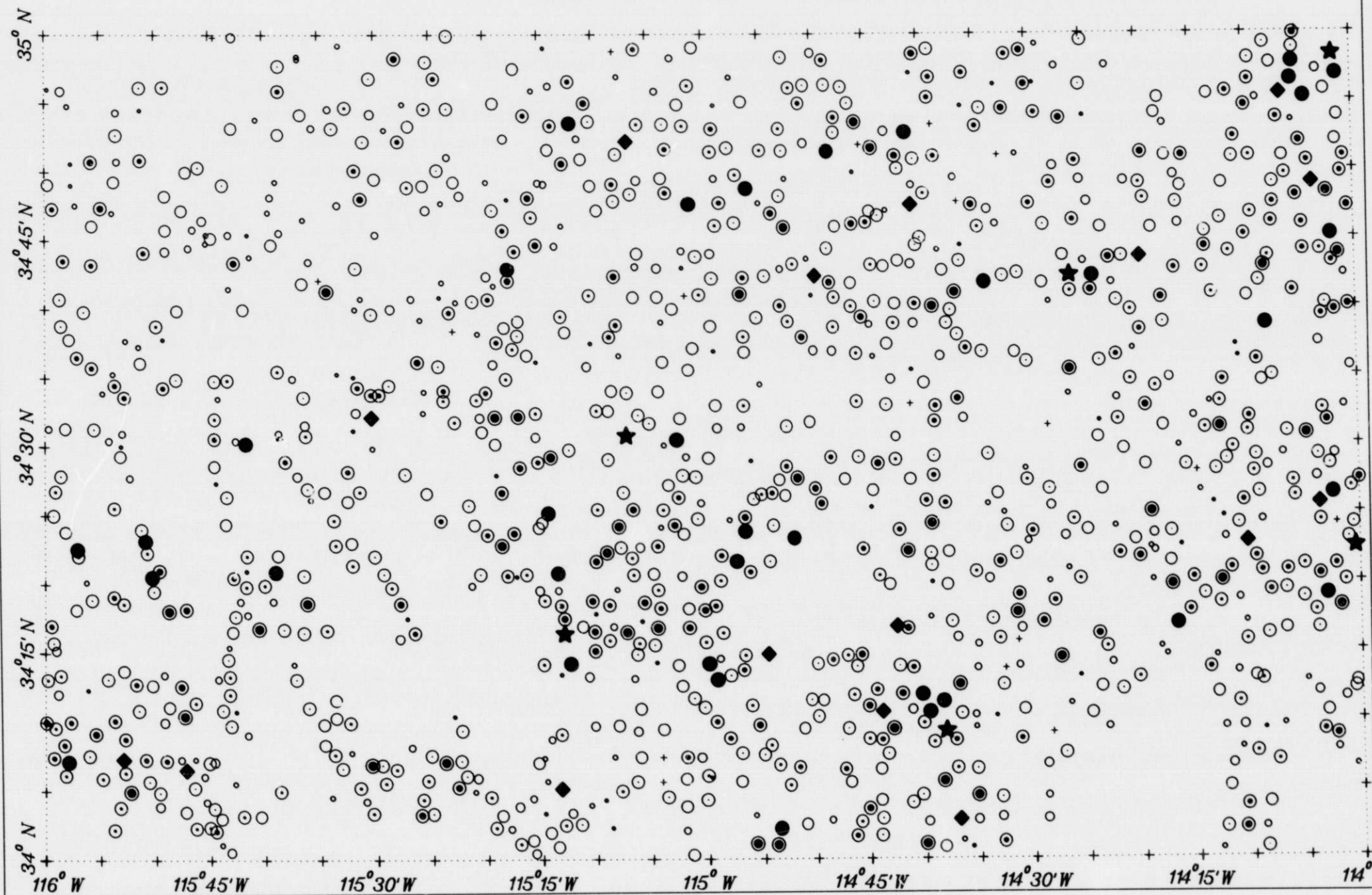
NEEDLES 1'x2' Sheet  
Log Cumulative Frequency Plot  
Dysprosium Values - Surface Sites  
1175 Values Above Detection Limits



**NEEDLES**      *1'x2' Sheet*  
**Dysprosium In Sediments**  
**1175**      Values Above D.L.

Dysprosium concentration - p.p.m.

+ < 0.1	• 0.2- 0.3	○ 0.5- 0.7	⊙ 1.7- 3.1	● 6.6- 9.4
x 0.1- 0.2	○ 0.3- 0.4	⊙ 0.7- 1.1	⊙ 3.1- 4.7	◆ 9.4- 14.4
• 0.2- 0.2	○ 0.4- 0.5	⊙ 1.1- 1.7	⊙ 4.7- 6.6	★ > 14.4



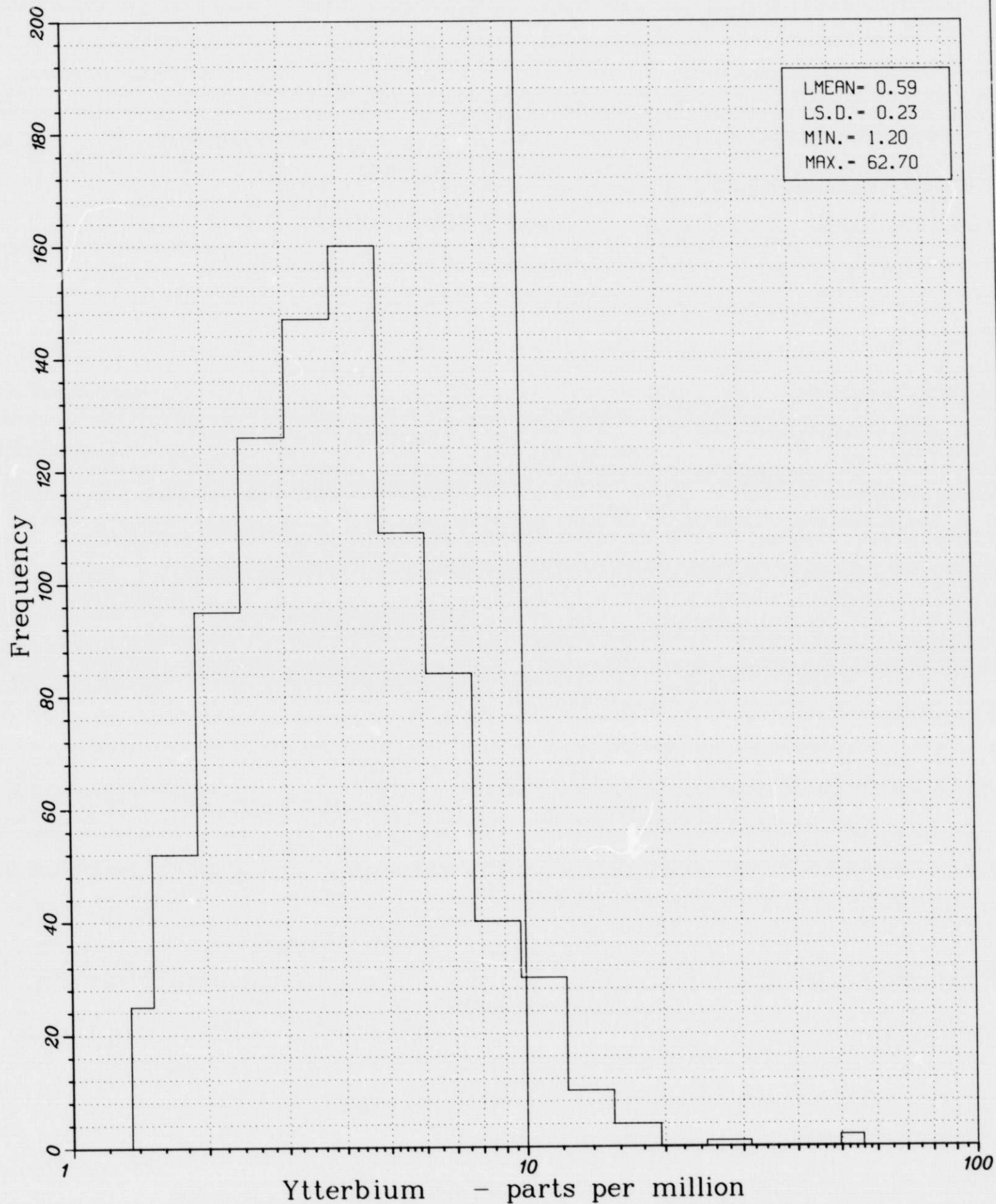
NEEDLES

1'x2' Sheet

Log Histogram Ytterbium Values Surface Site

885

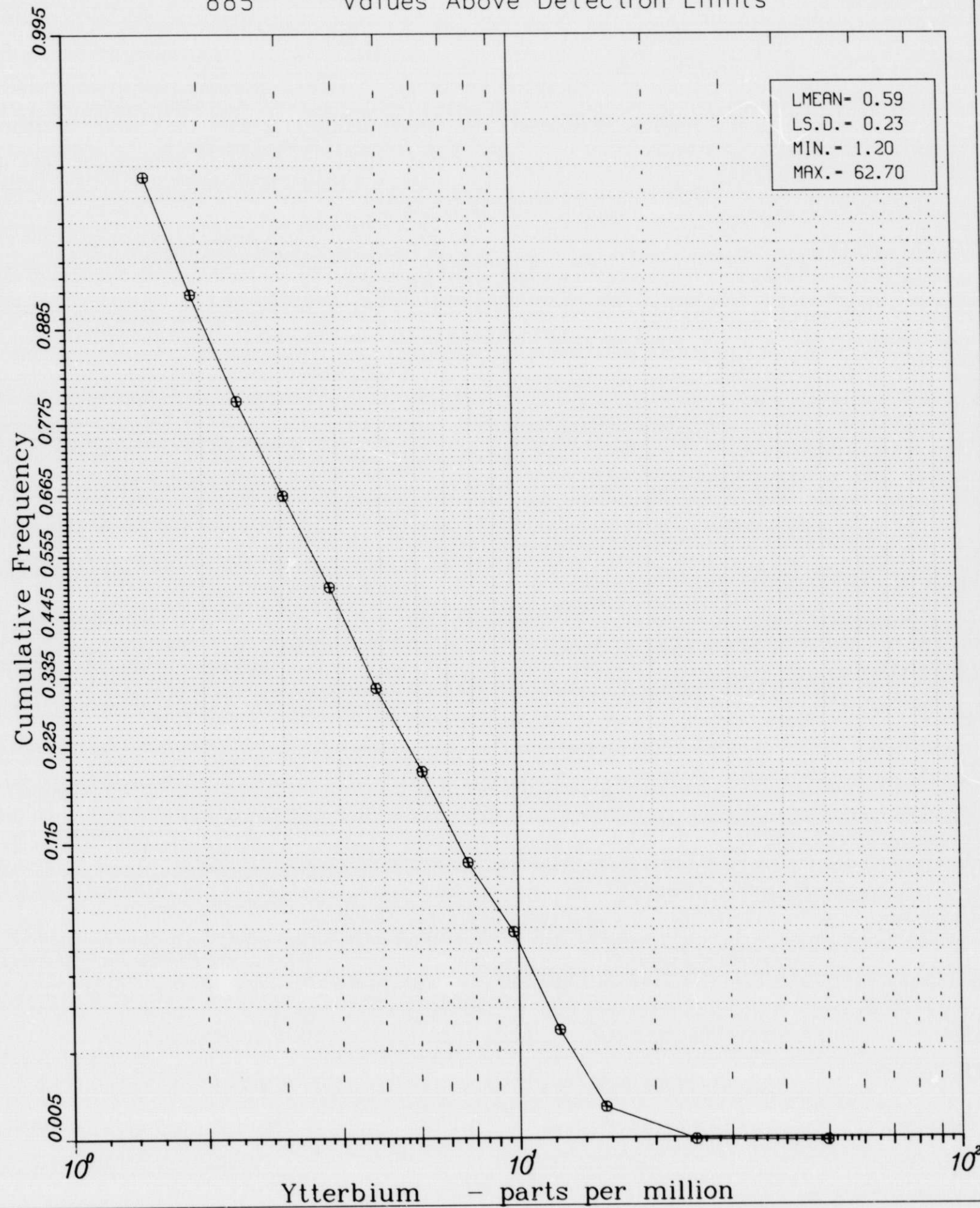
Values Above Detection Limits



NEEDLES 1'x2' Sheet

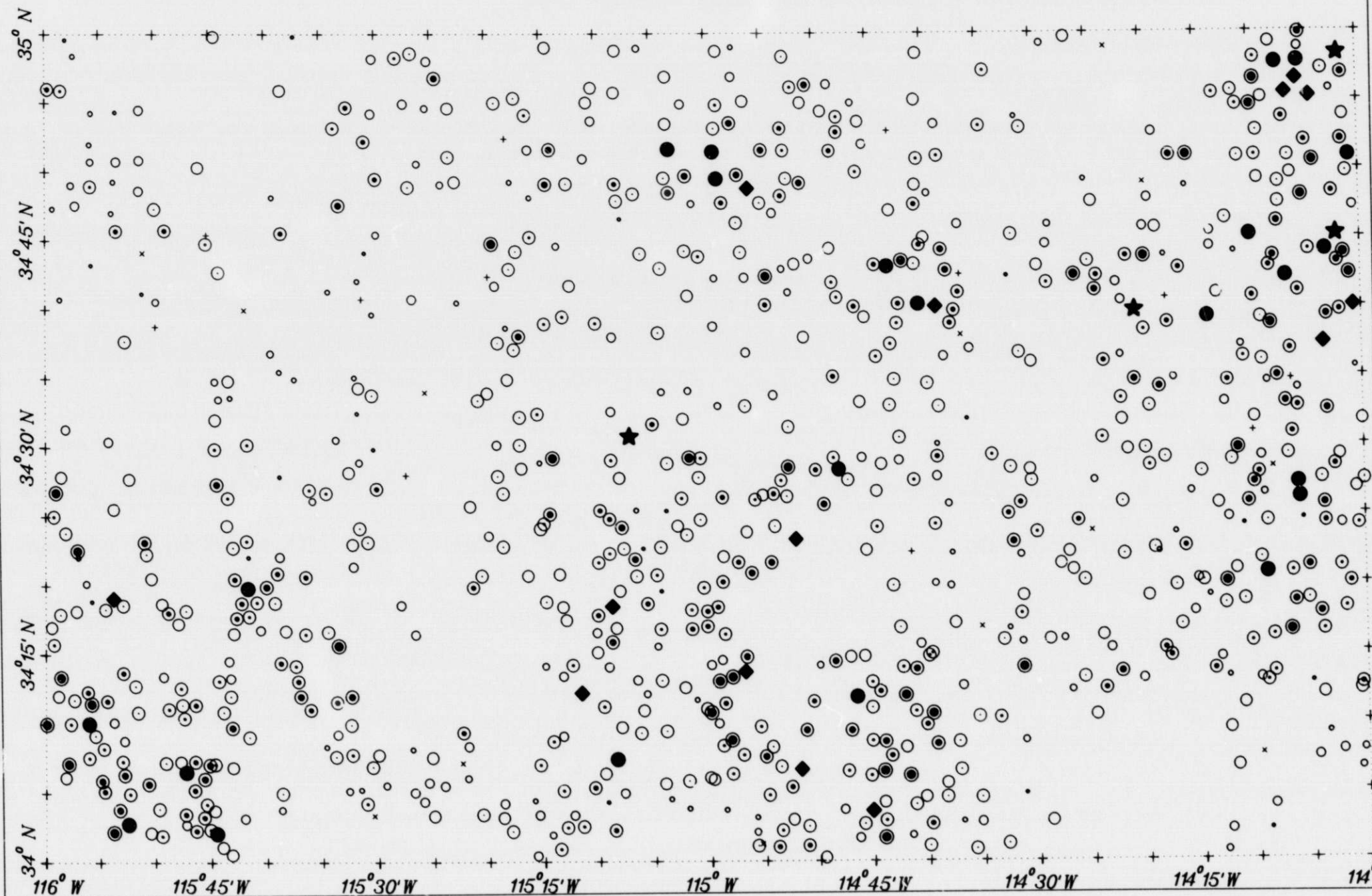
Log Cumulative Frequency Plot  
Ytterbium Values - Surface Sites

885 Values Above Detection Limits



**NEEDLES**      *1'x2' Sheet*  
**Ytterbium**    **In Sediments**  
**885**            **Values Above D.L.**

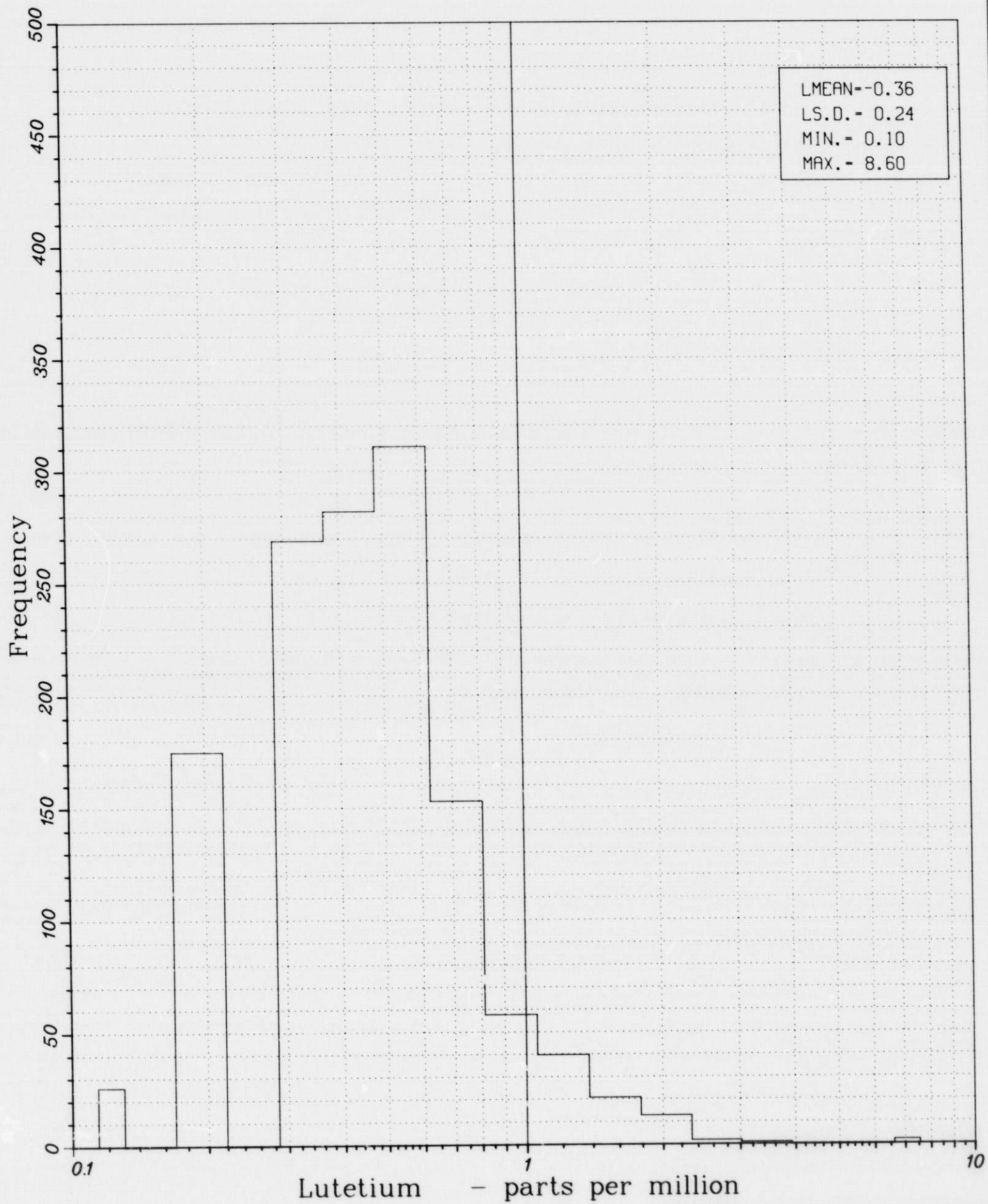
Ytterbium concentration - p.p.m.				
+ < 1.4	• 1.7- 2.0	○ 2.8- 3.4	⊙ 5.1- 6.6	● 10.0- 12.0
× 1.4- 1.5	○ 2.0- 2.3	⊙ 3.4- 4.2	⊙ 6.6- 7.9	◆ 12.0- 17.3
• 1.5- 1.7	○ 2.3- 2.8	⊙ 4.2- 5.1	⊙ 7.9- 10.0	★ > 17.3



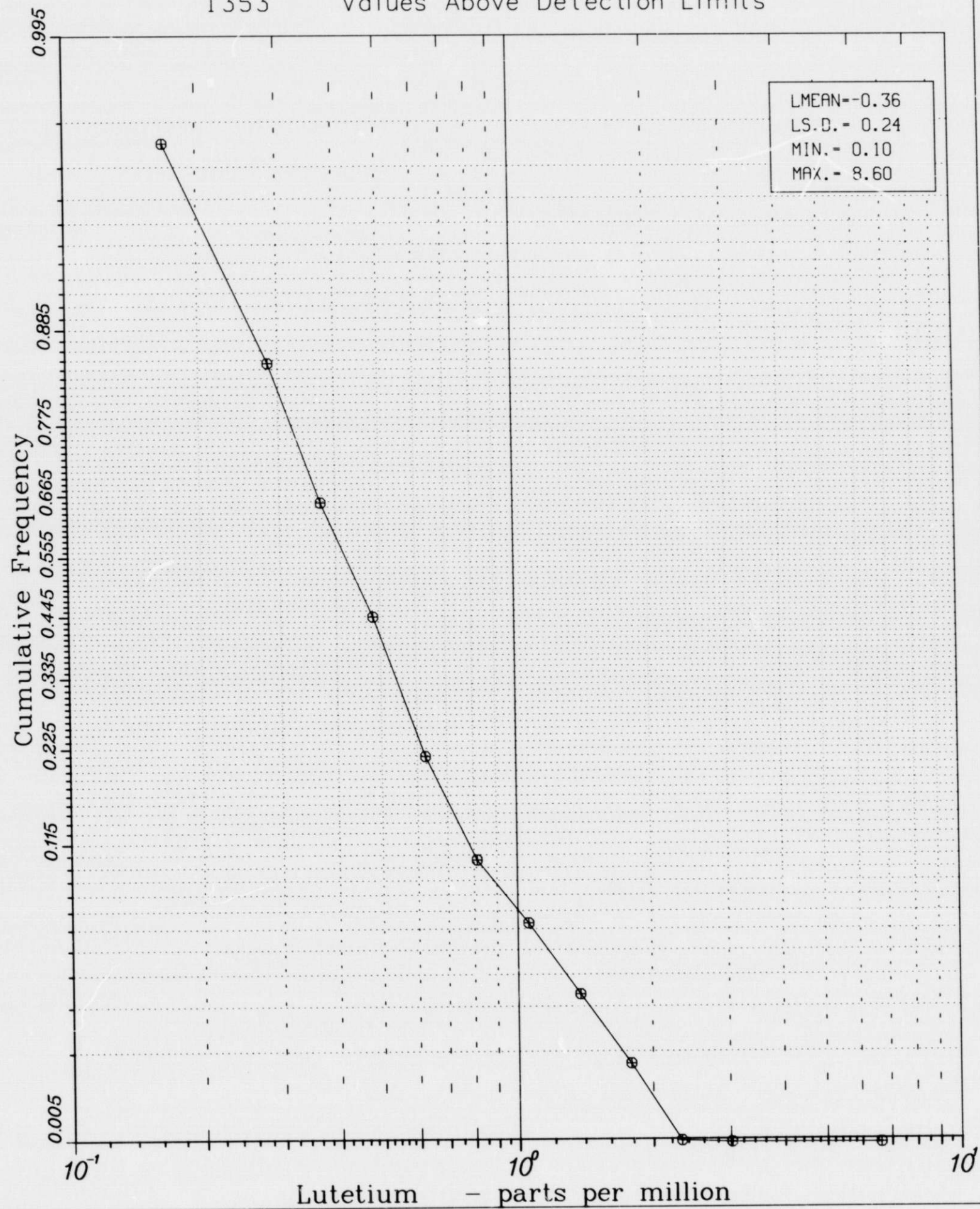
NEEDLES 1'x2' Sheet

Log Histogram Lutetium Values Surface Site

1353 Values Above Detection Limits



NEEDLES 1'x2' Sheet  
Log Cumulative Frequency Plot  
Lutetium Values - Surface Sites  
1353 Values Above Detection Limits

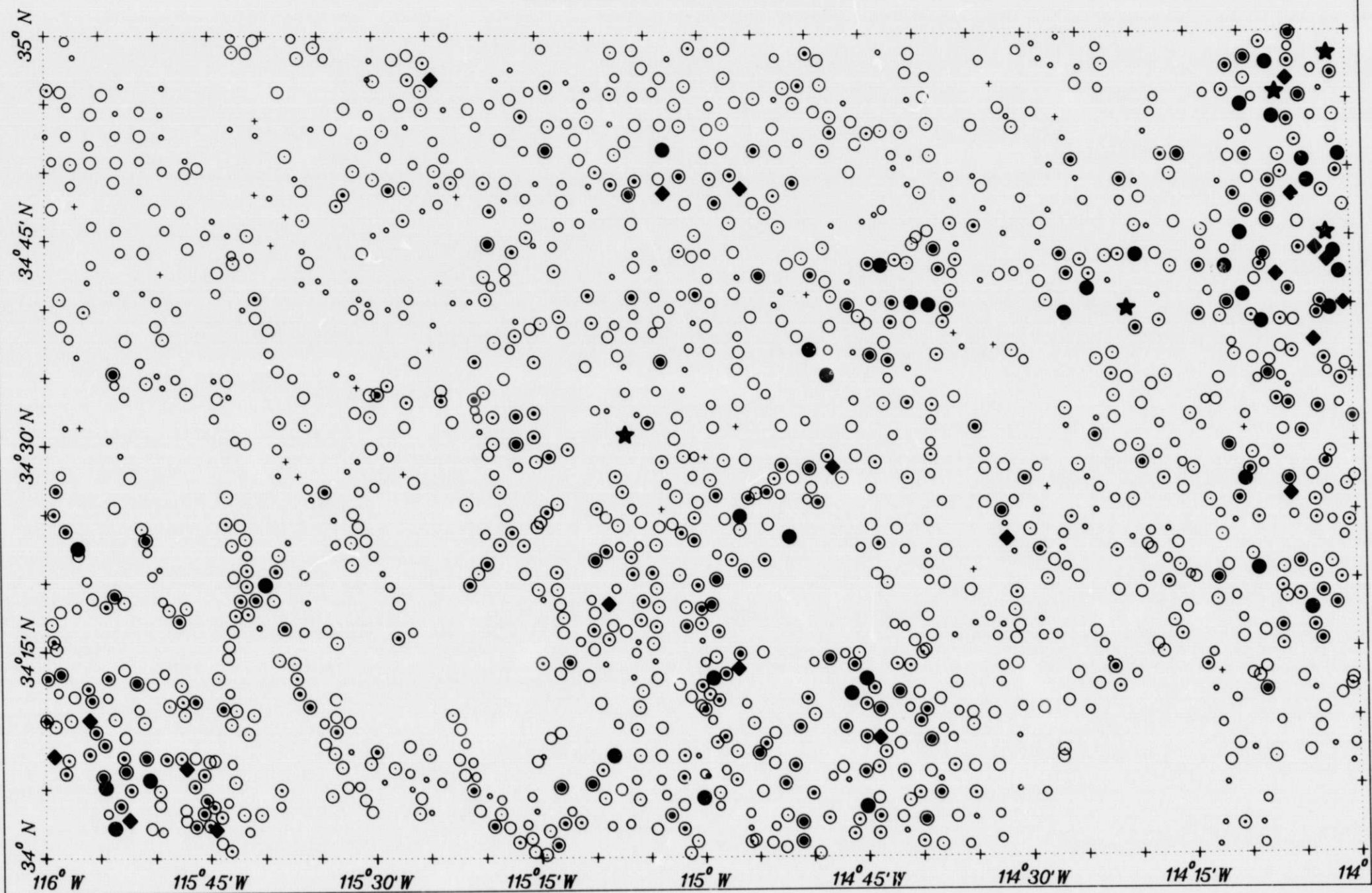




**NEEDLES** *1'x2' Sheet*  
**Lutetium In Sediments**  
**1353 Values Above D.L.**

Lutetium concentration - p.p.m.

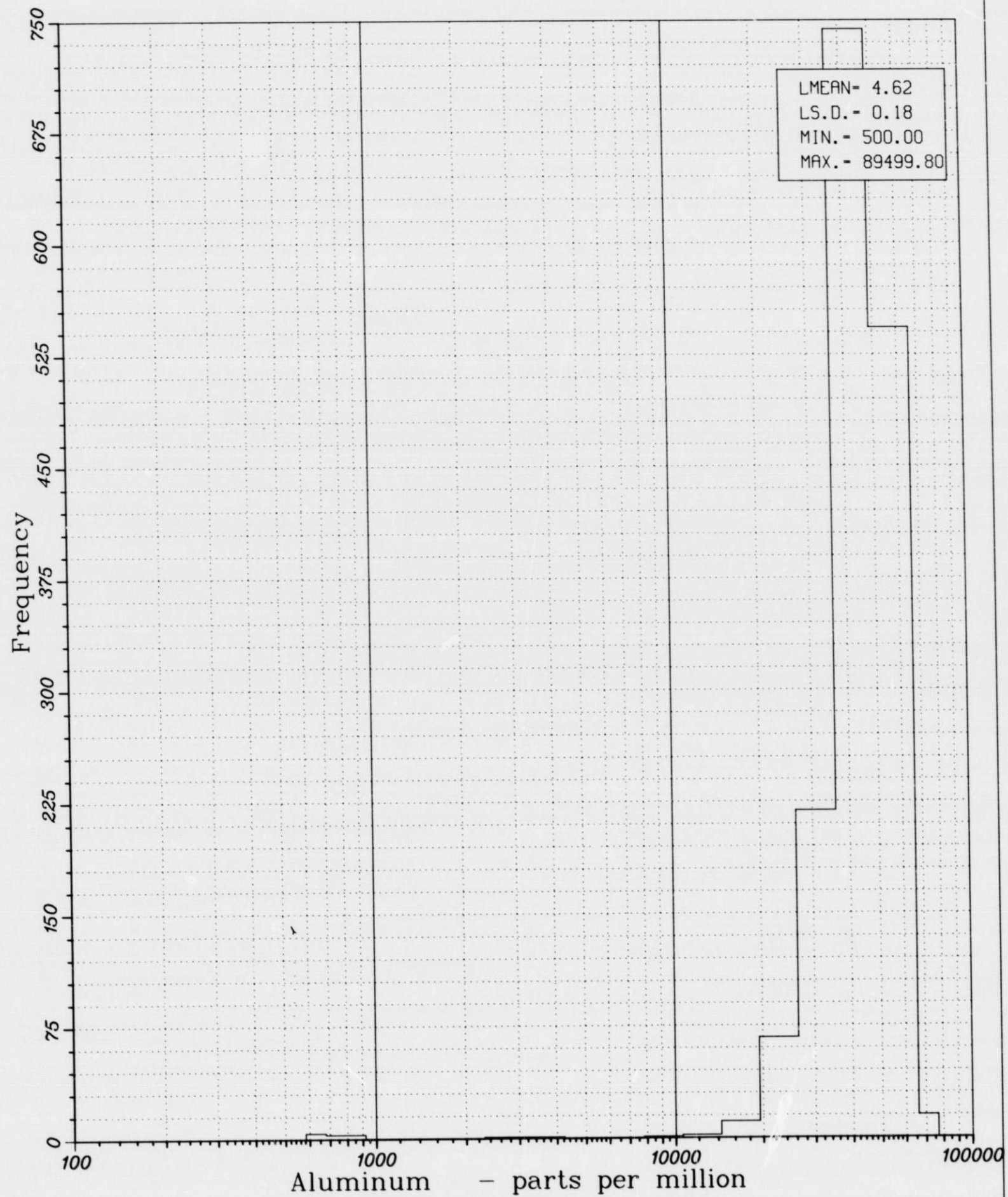
+ < 0.1	◦ 0.2- 0.2	○ 0.3- 0.4	⊙ 0.6- 0.7	● 1.1- 1.4
x 0.1- 0.2	◦ 0.2- 0.3	⊙ 0.4- 0.5	⊙ 0.7- 0.9	◆ 1.4- 2.2
• 0.2- 0.2	○ 0.3- 0.3	⊙ 0.5- 0.6	⊙ 0.9- 1.1	★ > 2.2



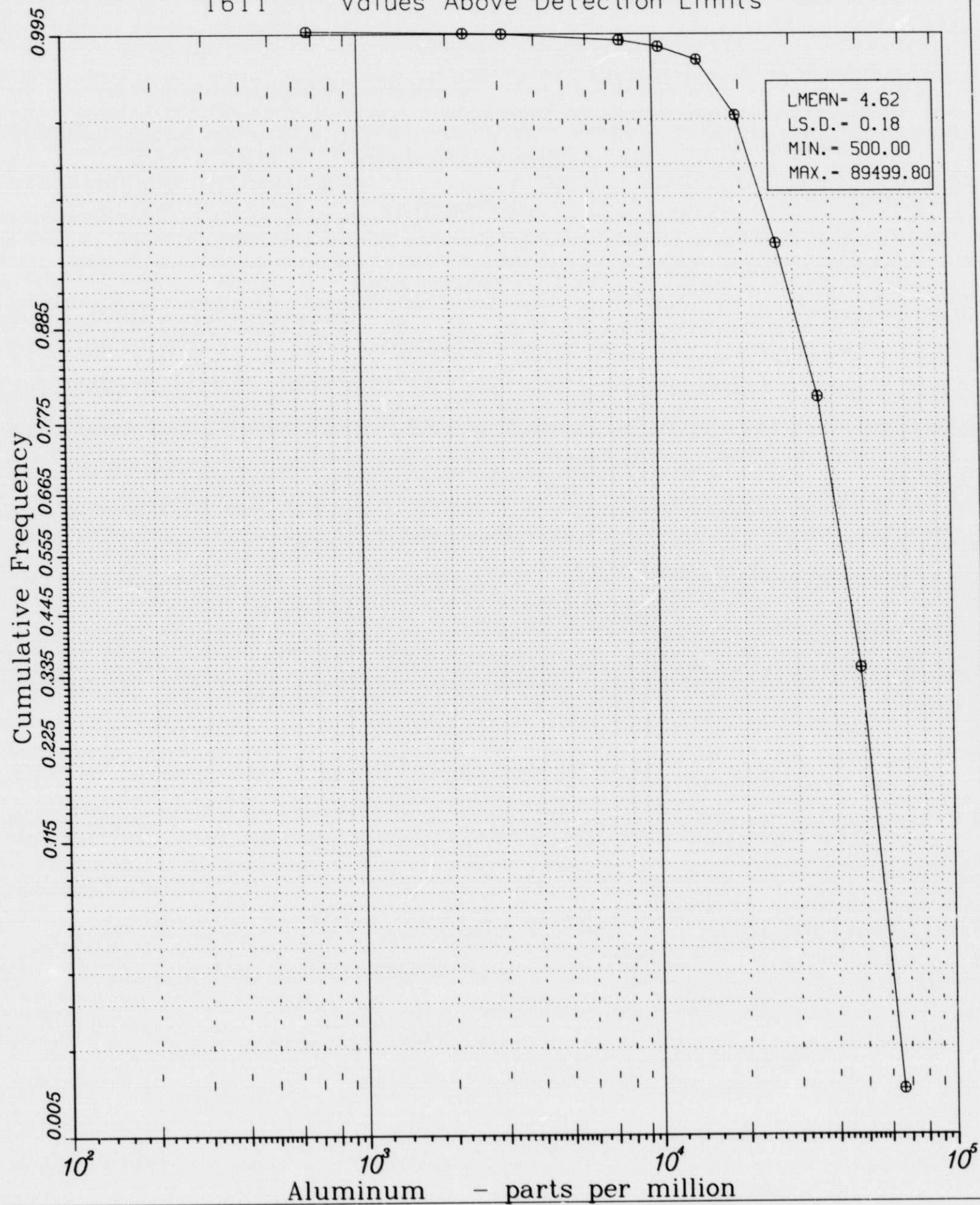
NEEDLES 1x2 Sheet

Log Histogram Aluminum Values Surface Site

1611 Values Above Detection Limits



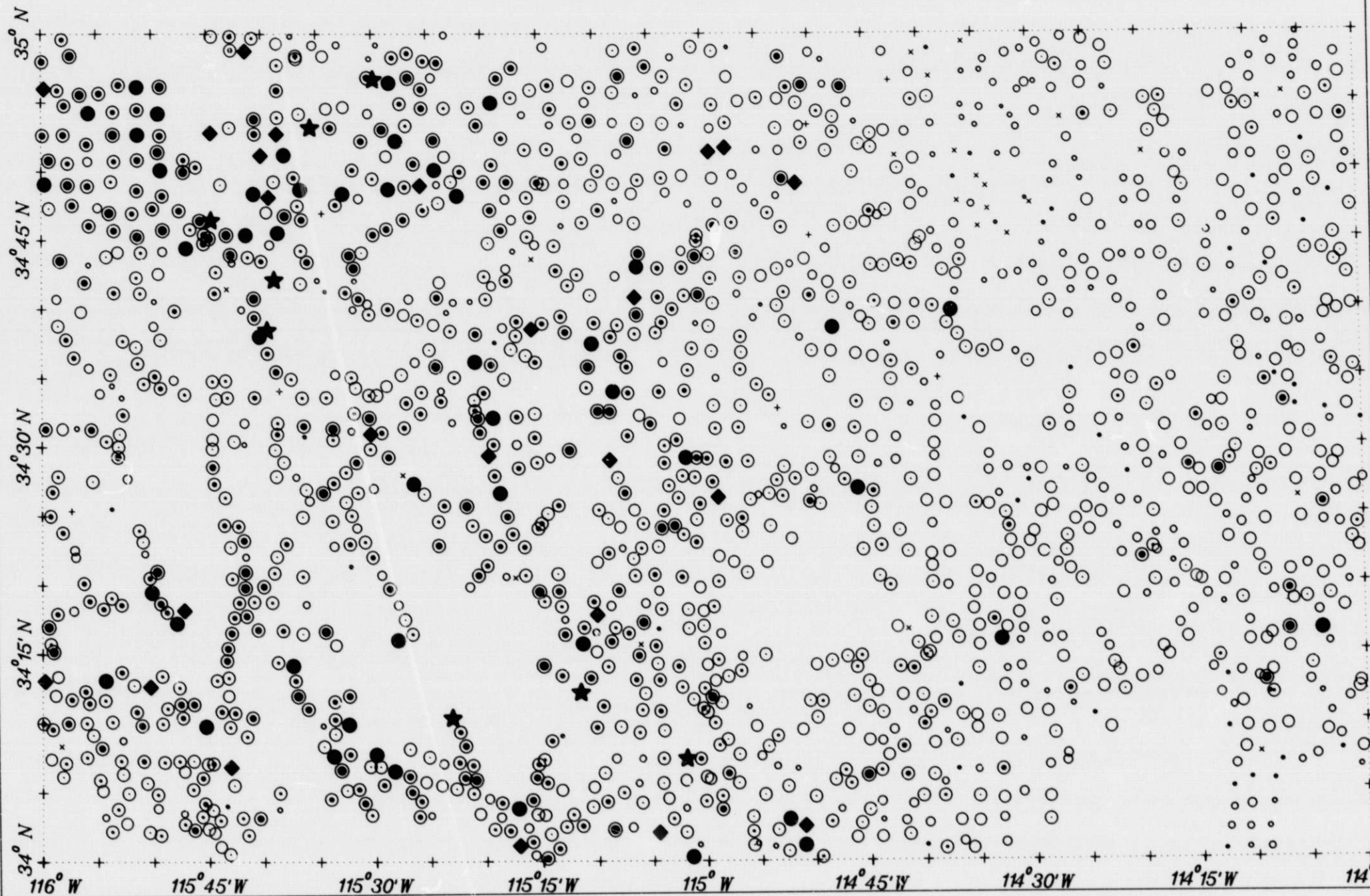
NEEDLES 1x2 Sheet  
Log Cumulative Frequency Plot  
Aluminum Values - Surface Sites  
1611 Values Above Detection Limits



**NEEDLES** *1x2° Sheet*  
**Aluminum In Sediments**  
**1611 Values Above D.L.**

Aluminum concentration - p.p.m.

- |   |                  |   |                  |   |                  |   |                  |   |                  |
|---|------------------|---|------------------|---|------------------|---|------------------|---|------------------|
| + | < 2800.0         | ○ | 25800.0- 29800.0 | ○ | 39100.0- 43100.0 | ⊙ | 50000.0- 52200.0 | ● | 56300.0- 60800.0 |
| x | 2800.0- 20700.0  | ○ | 29800.0- 34100.0 | ○ | 43100.0- 47100.0 | ⊙ | 52200.0- 54000.0 | ◆ | 60800.0- 68000.0 |
| • | 20700.0- 25800.0 | ○ | 34100.0- 39100.0 | ○ | 47100.0- 50000.0 | ⊙ | 54000.0- 56300.0 | ★ | > 68000.0        |

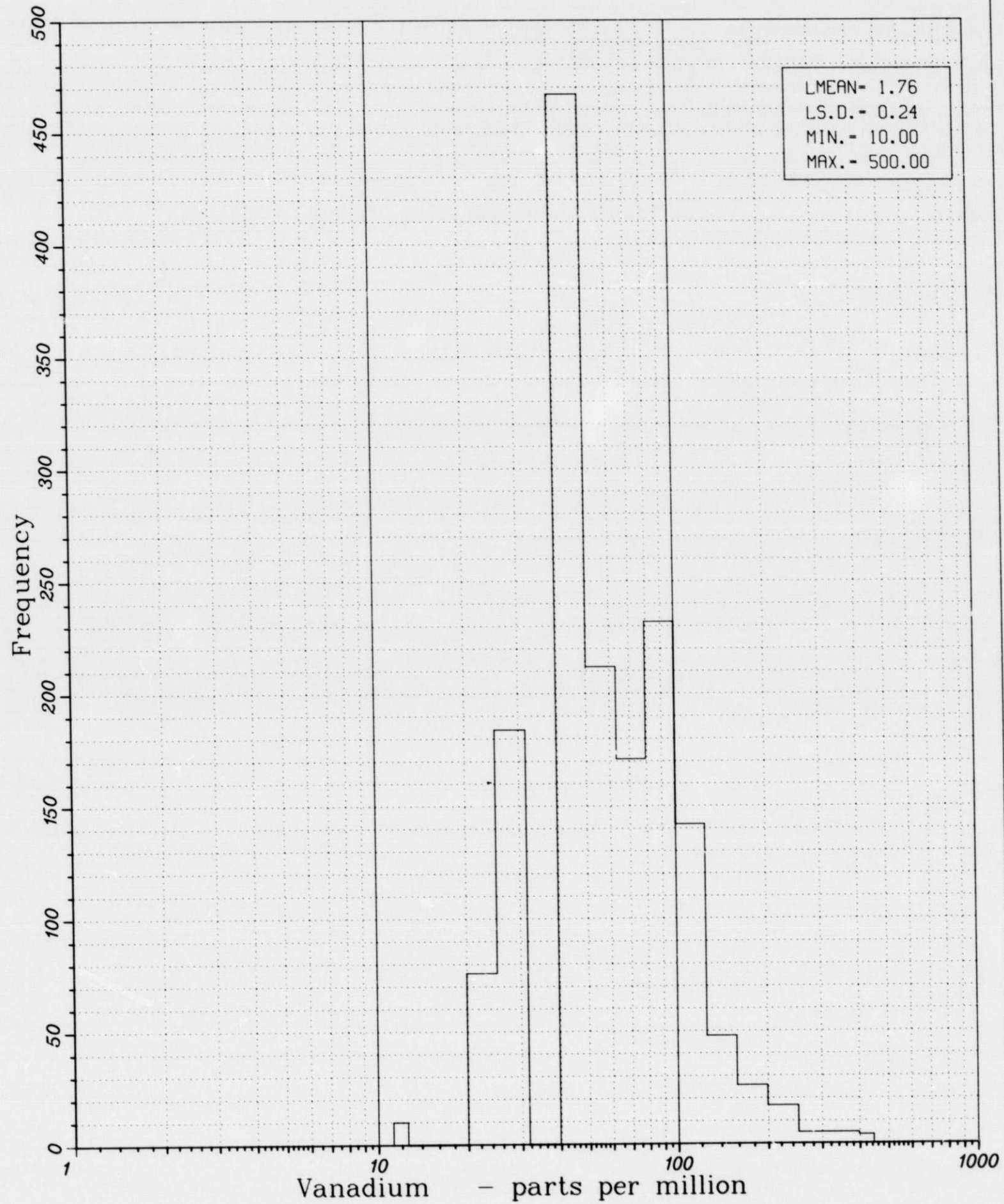


NEEDLES

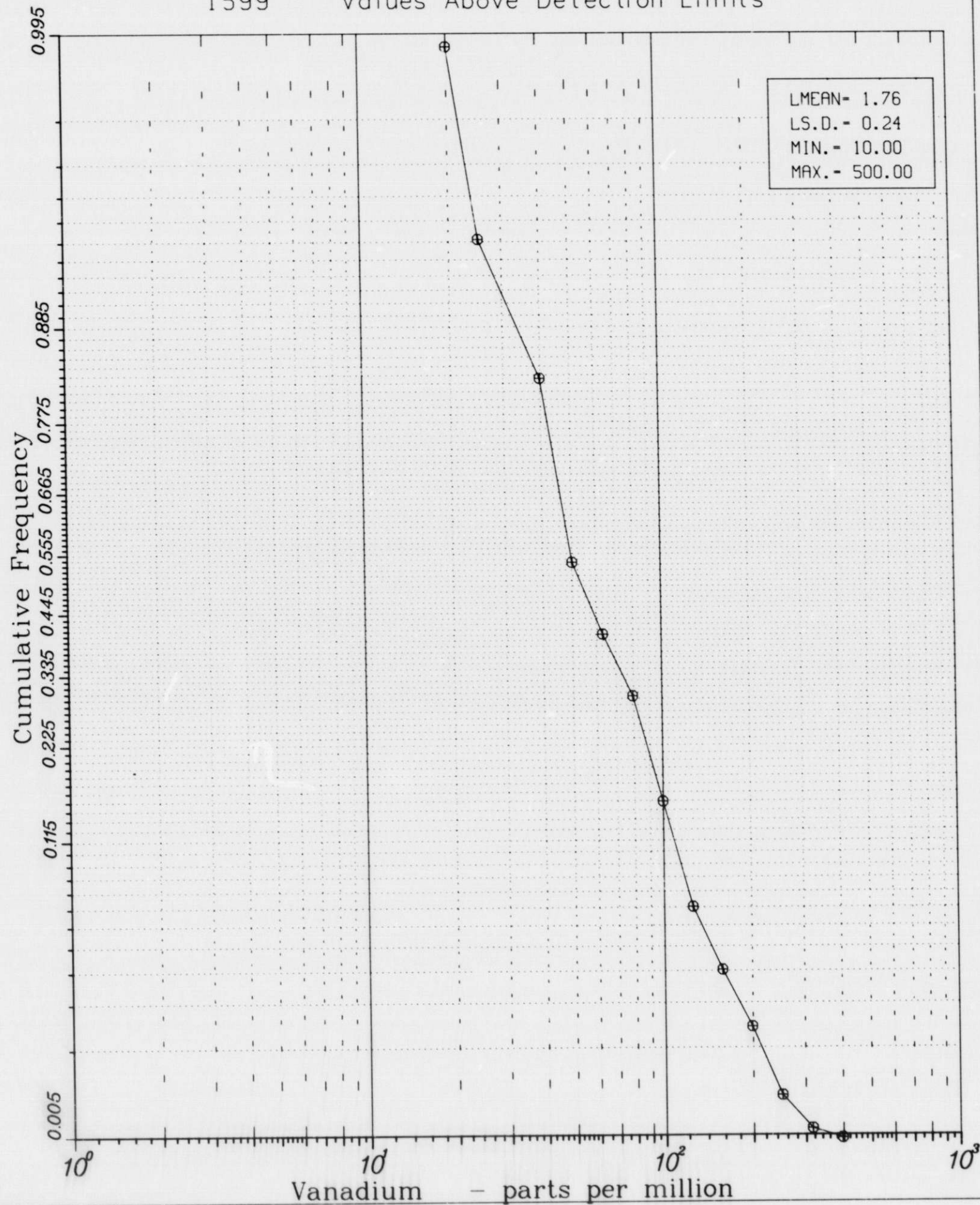
1'x2' Sheet

Log Histogram Vanadium Values Surface Site

1599 Values Above Detection Limits

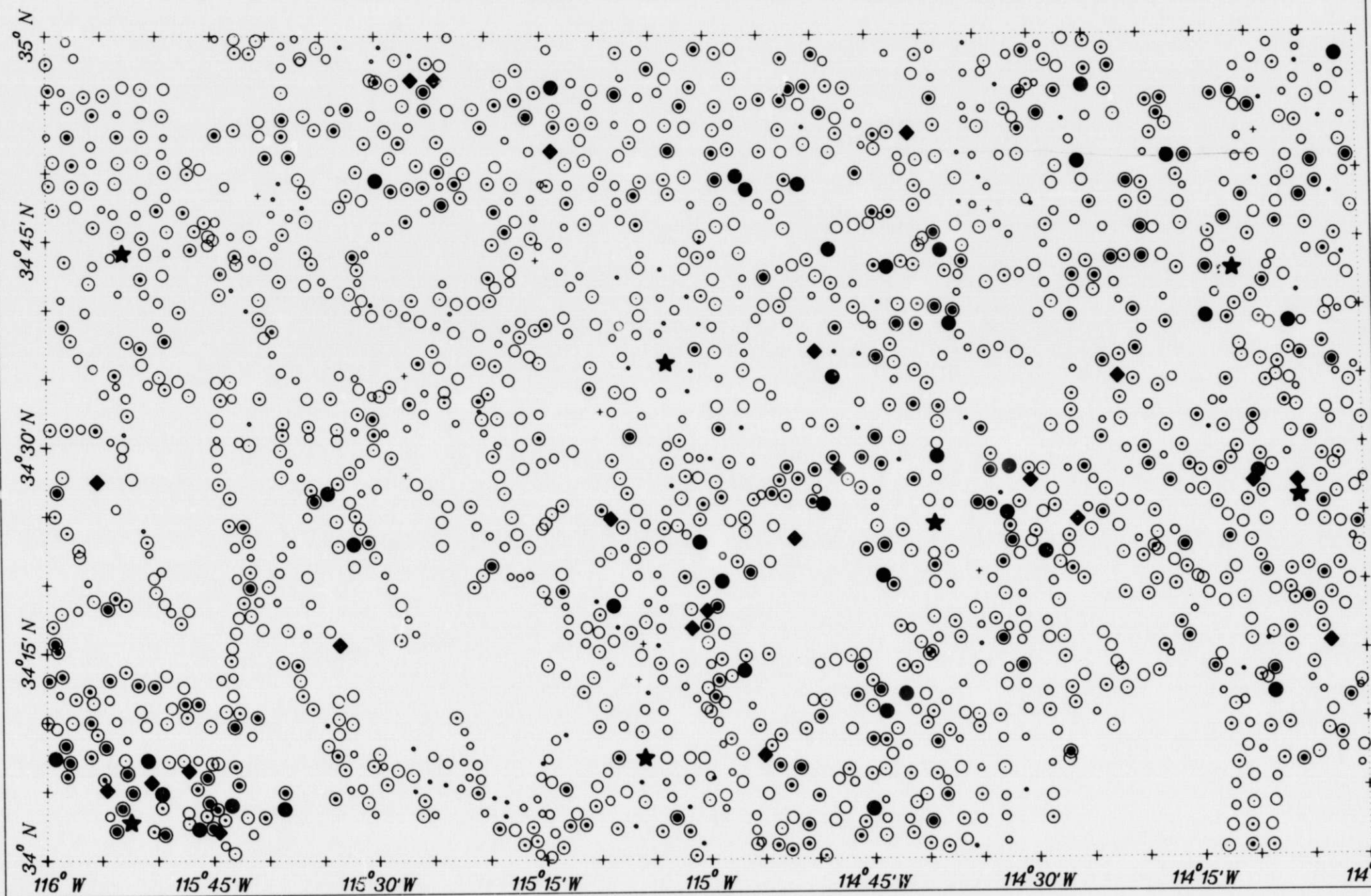


NEEDLES 1'x2' Sheet  
Log Cumulative Frequency Plot  
Vanadium Values - Surface Sites  
1599 Values Above Detection Limits



*NEEDLES* 1x2' Sheet  
 Vanadium In Sediments  
 1599 Values Above D.L.

Vanadium concentration - p.p.m.				
+ < 10.0	○ 20.0- 30.0	○ 40.0- 50.0	⊙ 80.0- 90.0	● 140.0- 190.0
x 10.0- 20.0	○ 30.0- 30.0	○ 50.0- 60.0	⊙ 90.0- 110.0	◆ 190.0- 320.0
• 20.0- 20.0	○ 30.0- 40.0	⊙ 60.0- 80.0	⊙ 110.0- 140.0	★ > 320.0

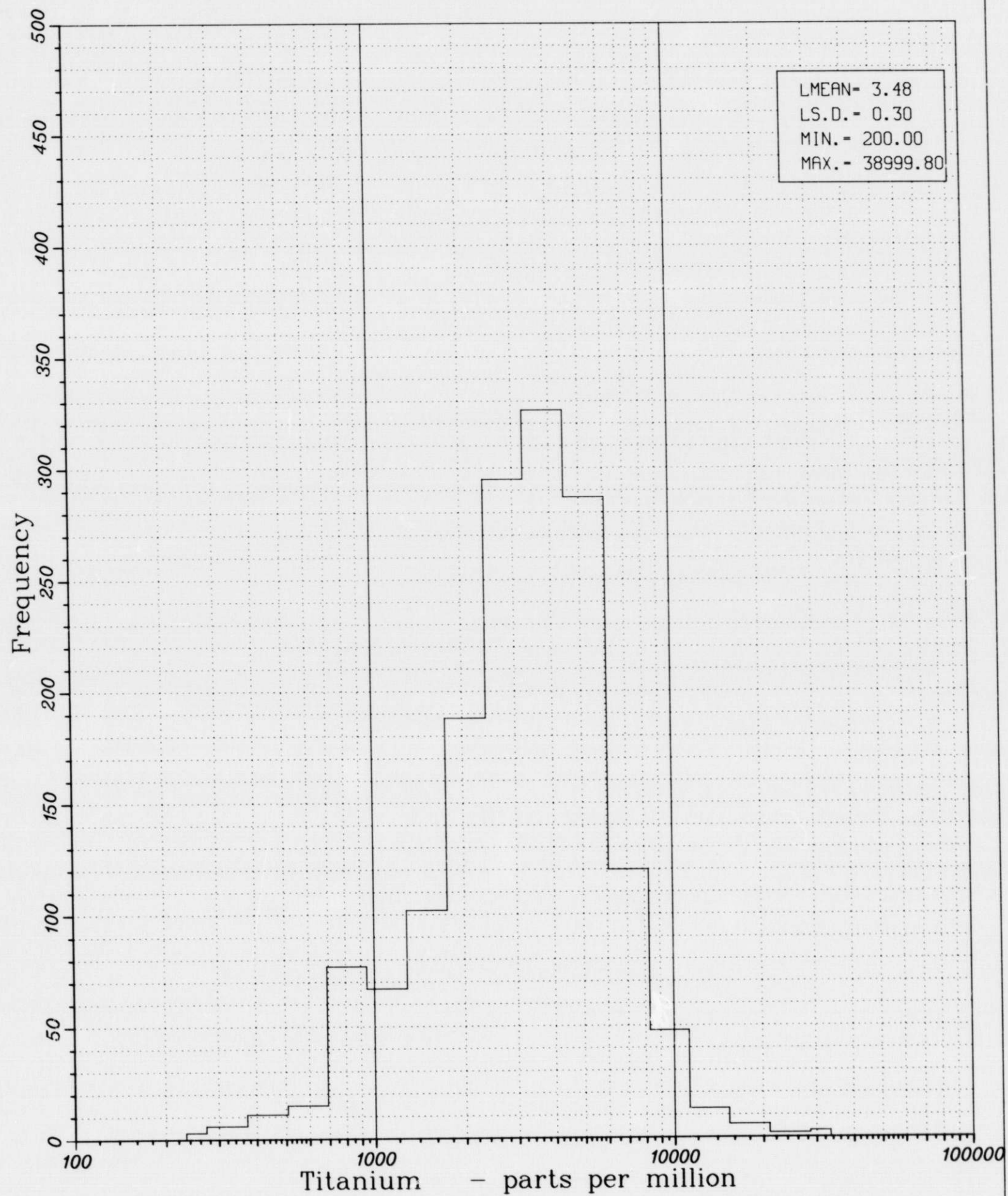


NEEDLES

1°x2° Sheet

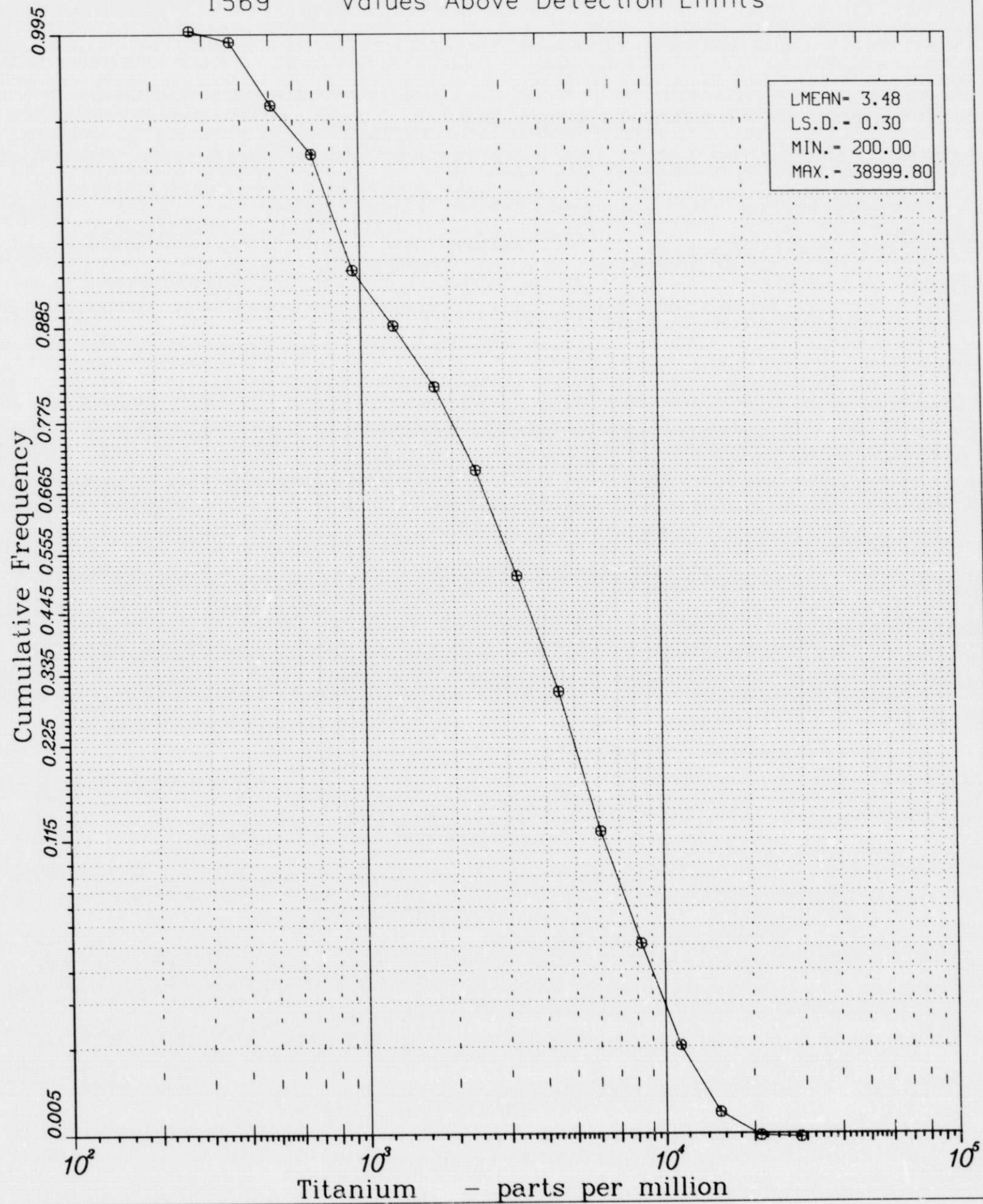
Log Histogram Titanium Values Surface Site

1569 Values Above Detection Limits

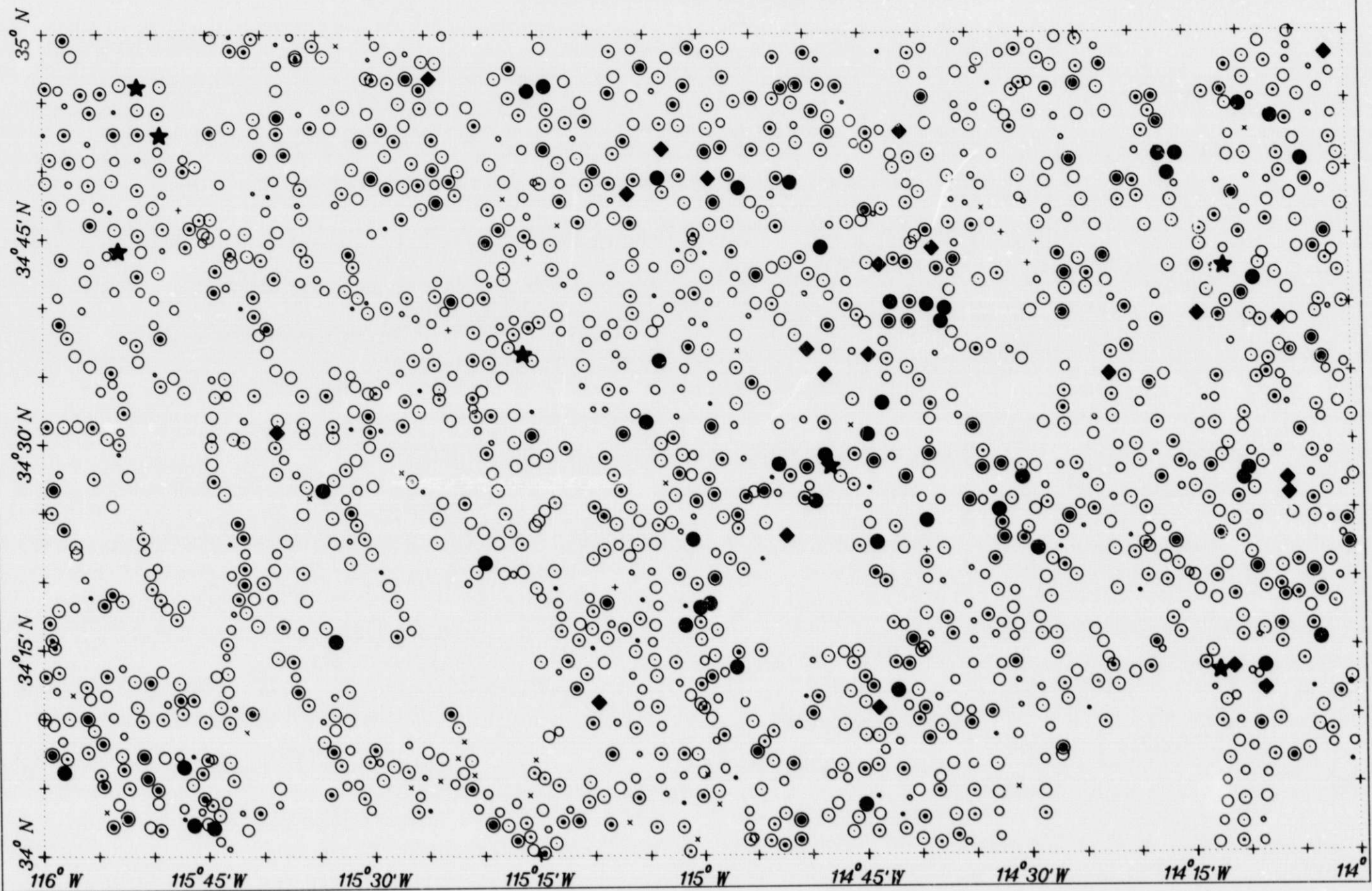
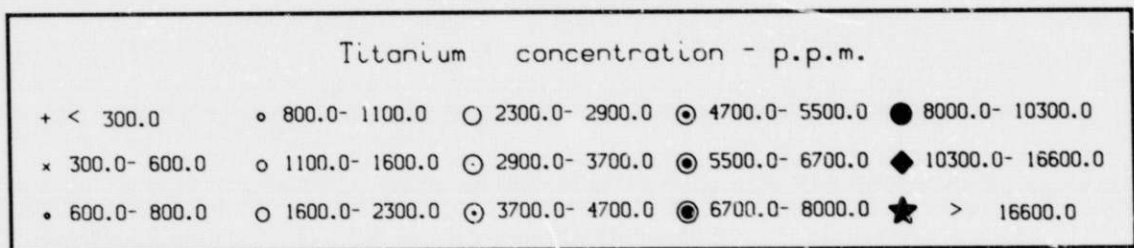




NEEDLES 1'x2' Sheet  
Log Cumulative Frequency Plot  
Titanium Values - Surface Sites  
1569 Values Above Detection Limits



*NEEDLES* *1x2° Sheet*  
**Titanium In Sediments**  
 1569 Values Above D.L.

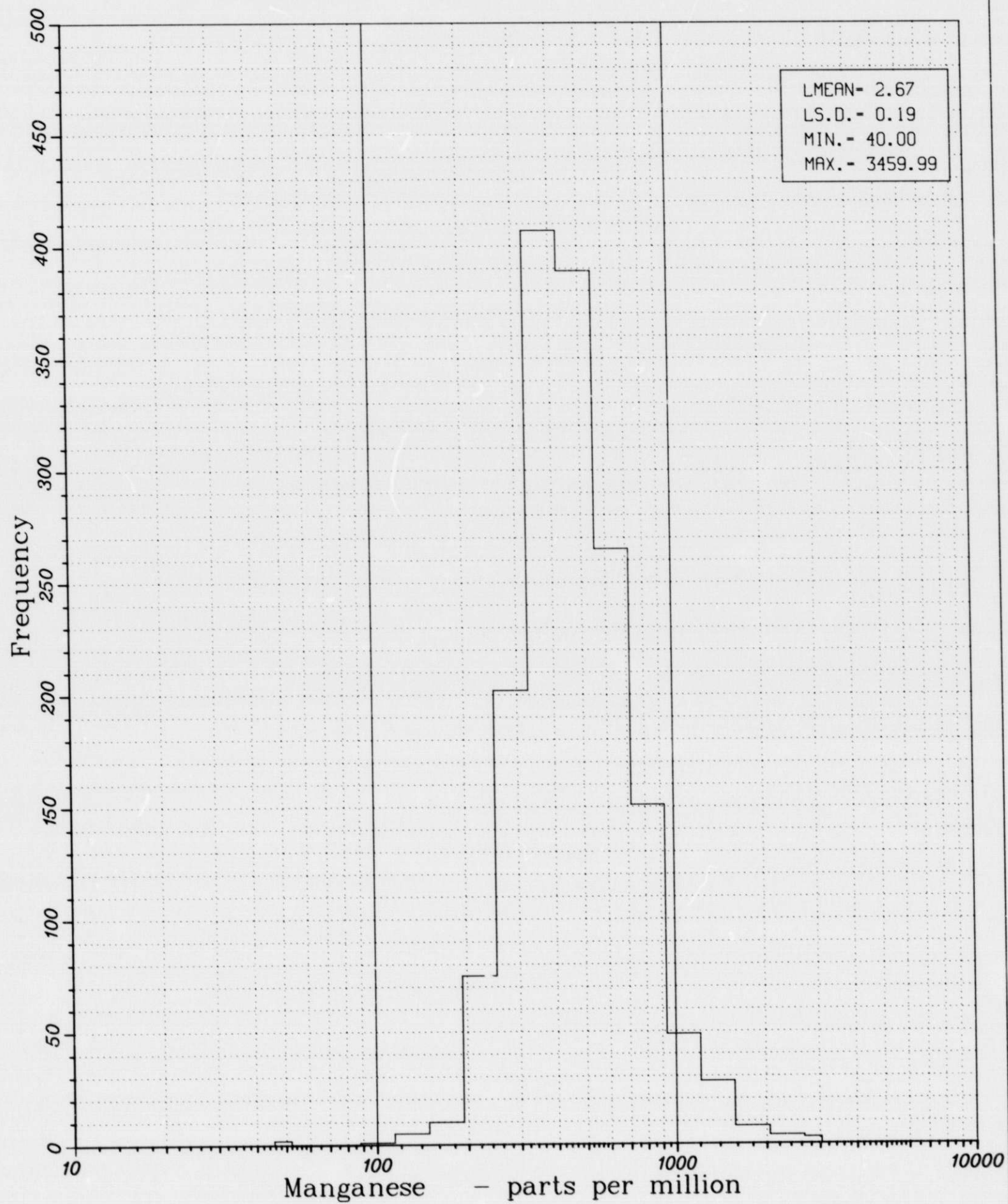


NEEDLES

1x2 Sheet

Log Histogram Manganese Values Surface Site

1599 Values Above Detection Limits

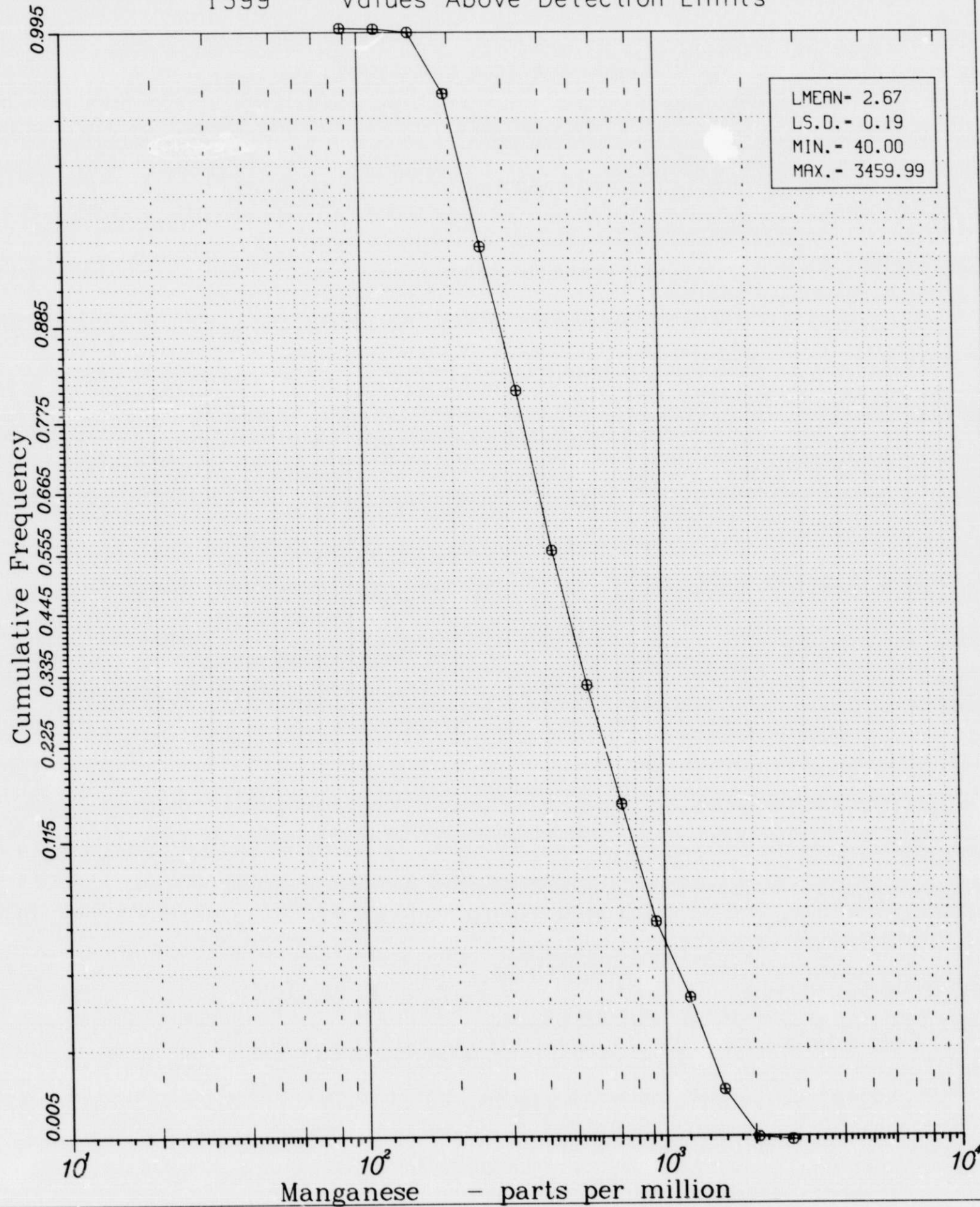


NEEDLES 1'x2' Sheet

Log Cumulative Frequency Plot

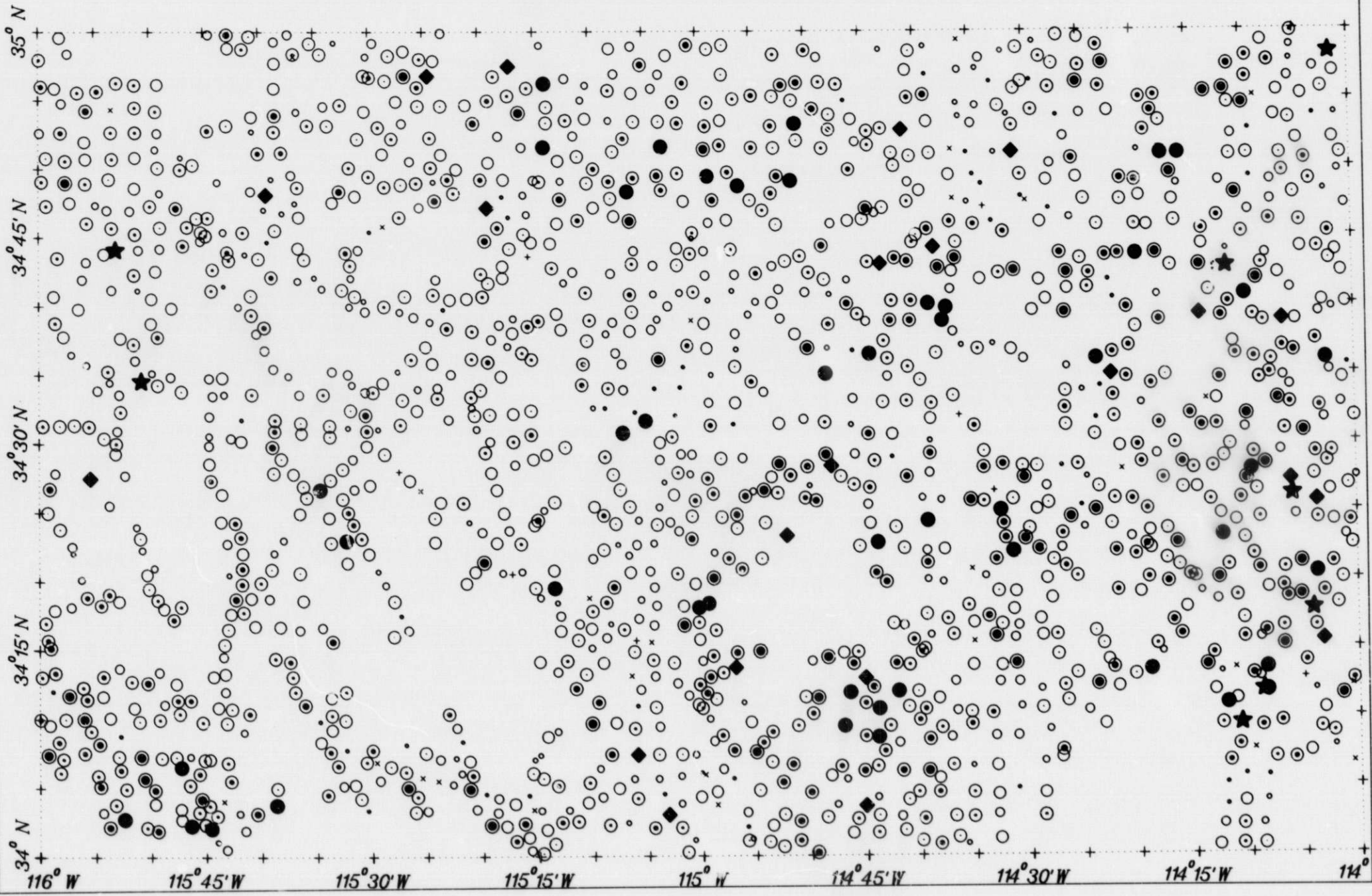
Manganese Values - Surface Sites

1599 Values Above Detection Limits



**NEEDLES**      *1'x2' Sheet*  
**Manganese**    **In Sediments**  
**1599**        **Values Above D.L.**

Manganese concentration - p.p.m.				
+ < 140.0	• 250.0- 280.0	○ 360.0- 420.0	⊙ 580.0- 700.0	● 970.0- 1300.0
× 140.0- 210.0	○ 280.0- 310.0	⊙ 420.0- 490.0	⊙ 700.0- 830.0	◆ 1300.0- 1990.0
• 210.0- 250.0	○ 310.0- 360.0	⊙ 490.0- 580.0	⊙ 830.0- 970.0	★ > 1990.0

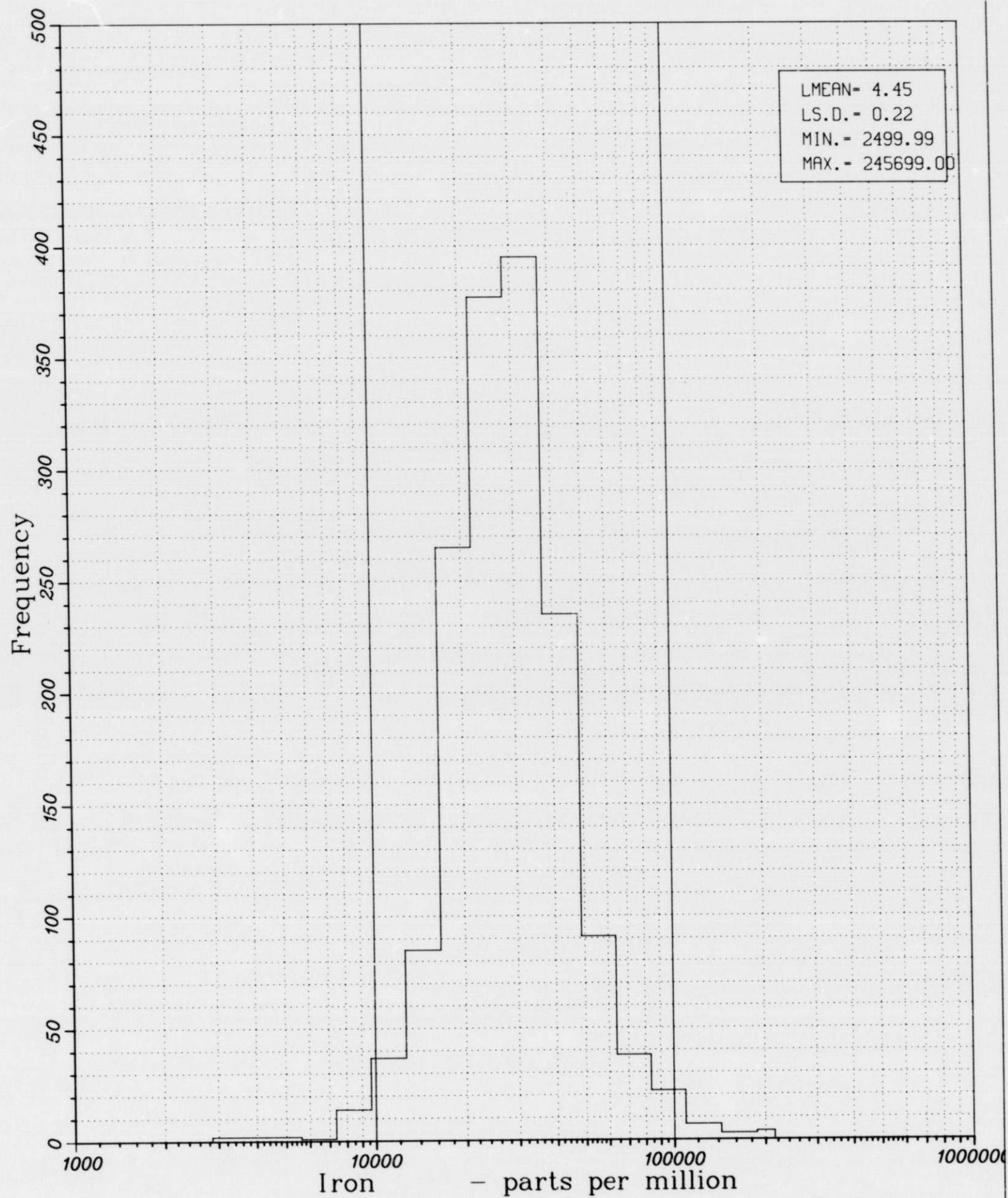


NEEDLES

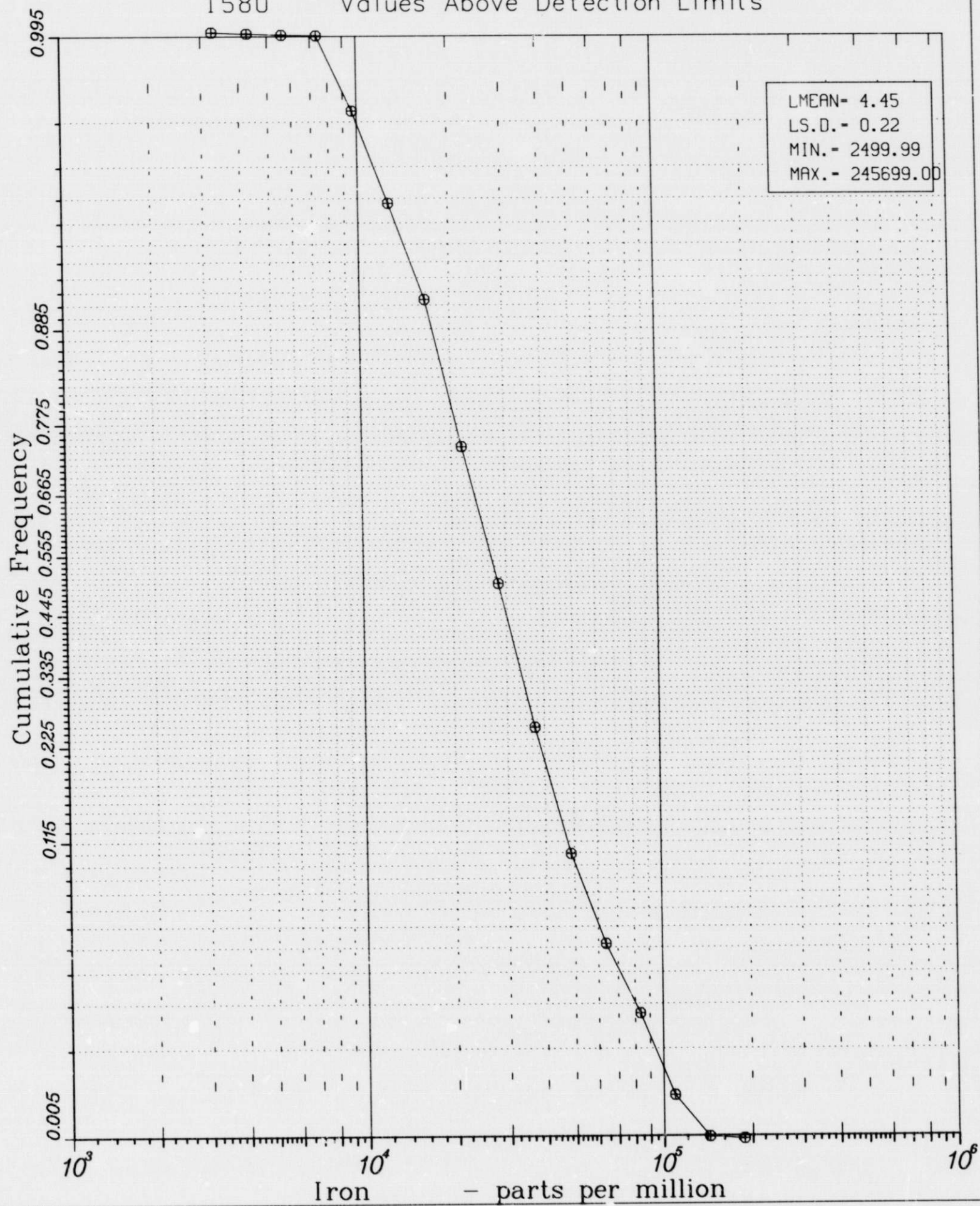
1'x2' Sheet

Log Histogram · Iron Values Surface Site

1580 Values Above Detection Limits



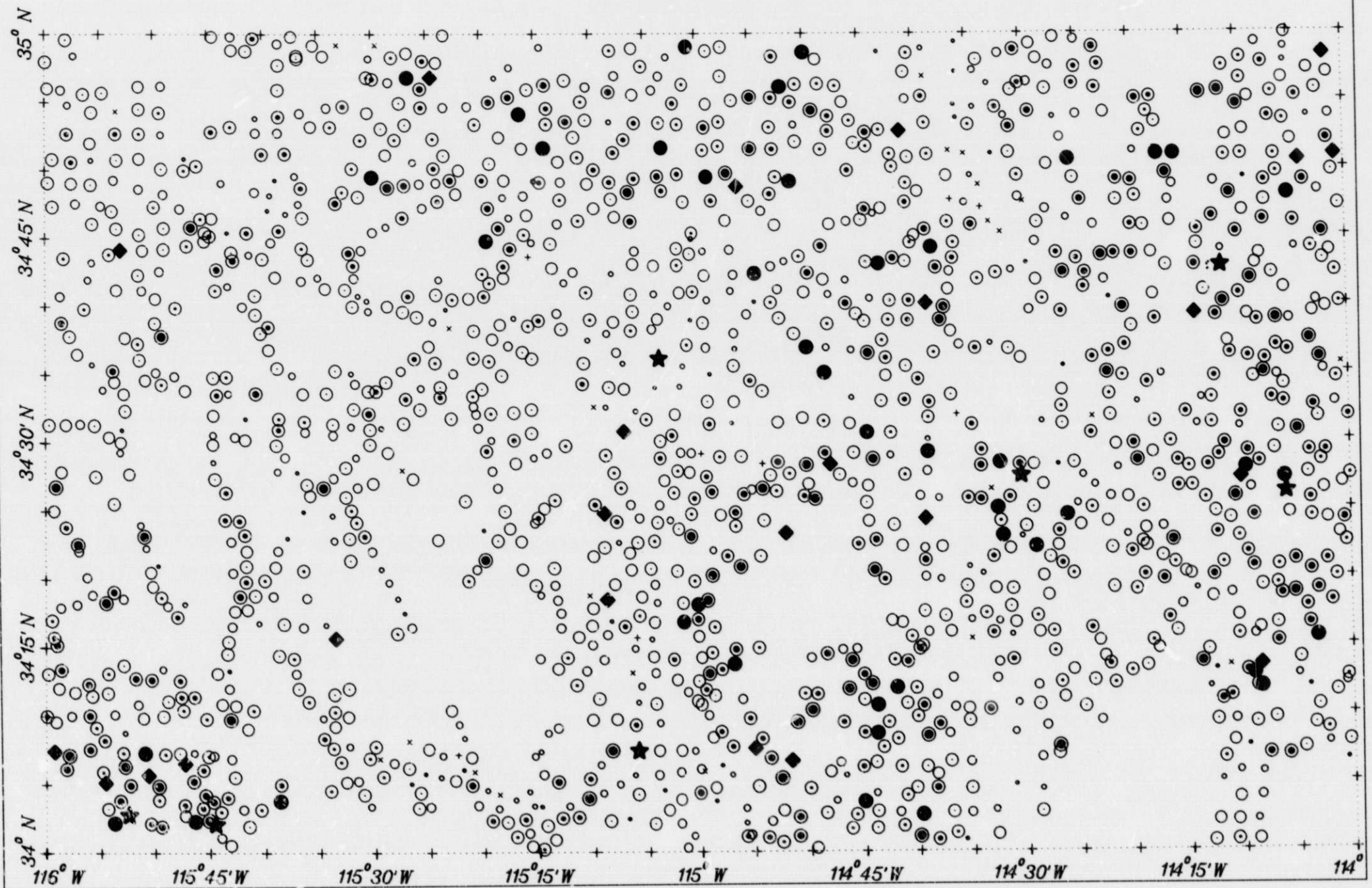
NEEDLES 1'x2' Sheet  
Log Cumulative Frequency Plot  
Iron Values - Surface Sites  
1580 Values Above Detection Limits



*NEEDLES* *1x2° Sheet*  
**Iron** **In Sediments**  
**1580** **Values Above D.L.**

Iron concentration - p.p.m.

- |   |                  |   |                  |   |                  |   |                  |   |                   |
|---|------------------|---|------------------|---|------------------|---|------------------|---|-------------------|
| + | < 7500.0         | ○ | 13800.0- 16500.0 | ○ | 22300.0- 26000.0 | ⊙ | 35800.0- 42700.0 | ● | 62000.0- 85800.0  |
| x | 7500.0- 10900.0  | ○ | 16500.0- 18700.0 | ○ | 26000.0- 31000.0 | ⊙ | 42700.0- 51700.0 | ◆ | 85800.0- 131700.0 |
| • | 10900.0- 13800.0 | ○ | 18700.0- 22300.0 | ○ | 31000.0- 35800.0 | ⊙ | 51700.0- 62000.0 | ★ | > 131700.0        |

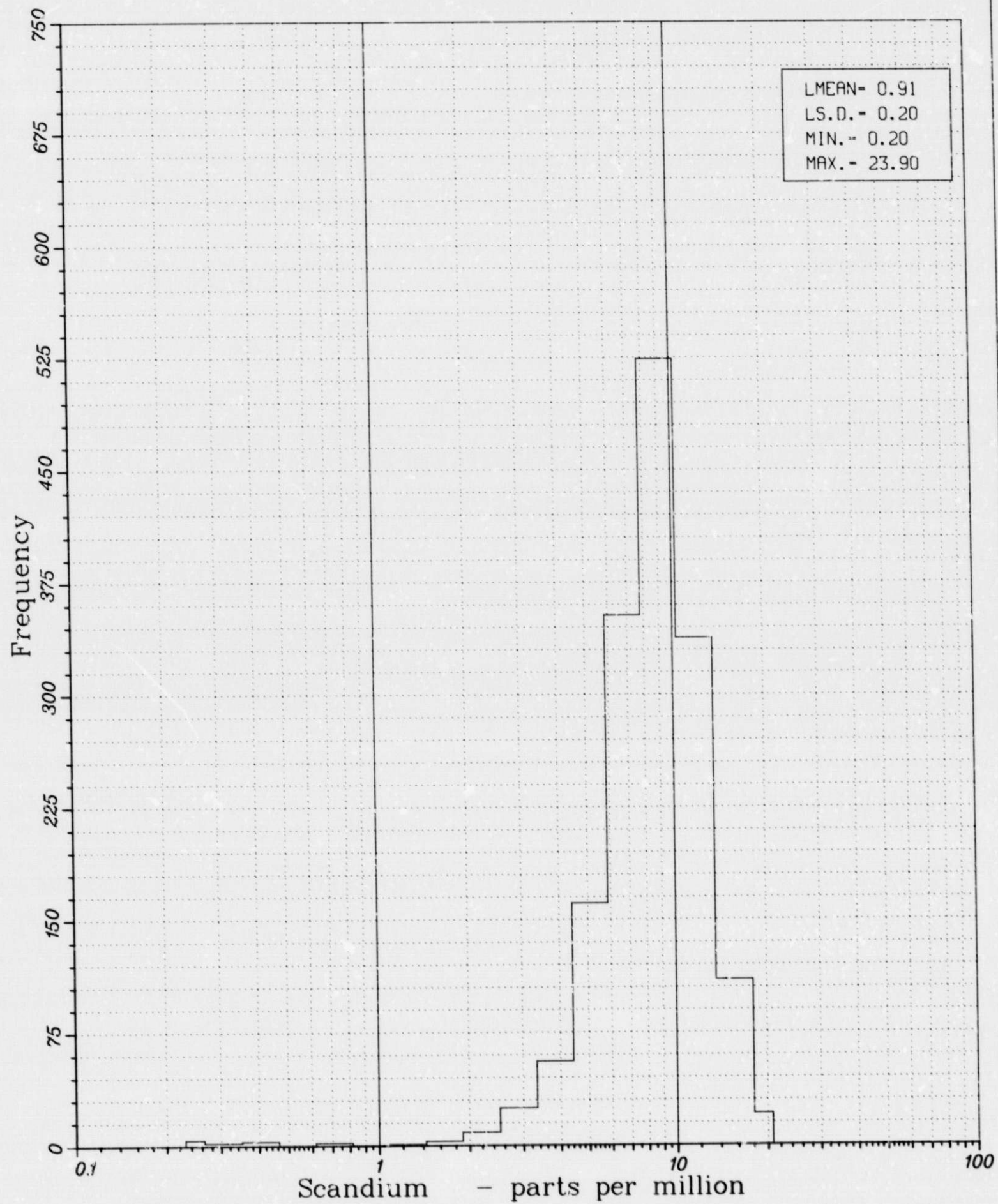




NEEDLES 1'x2' Sheet

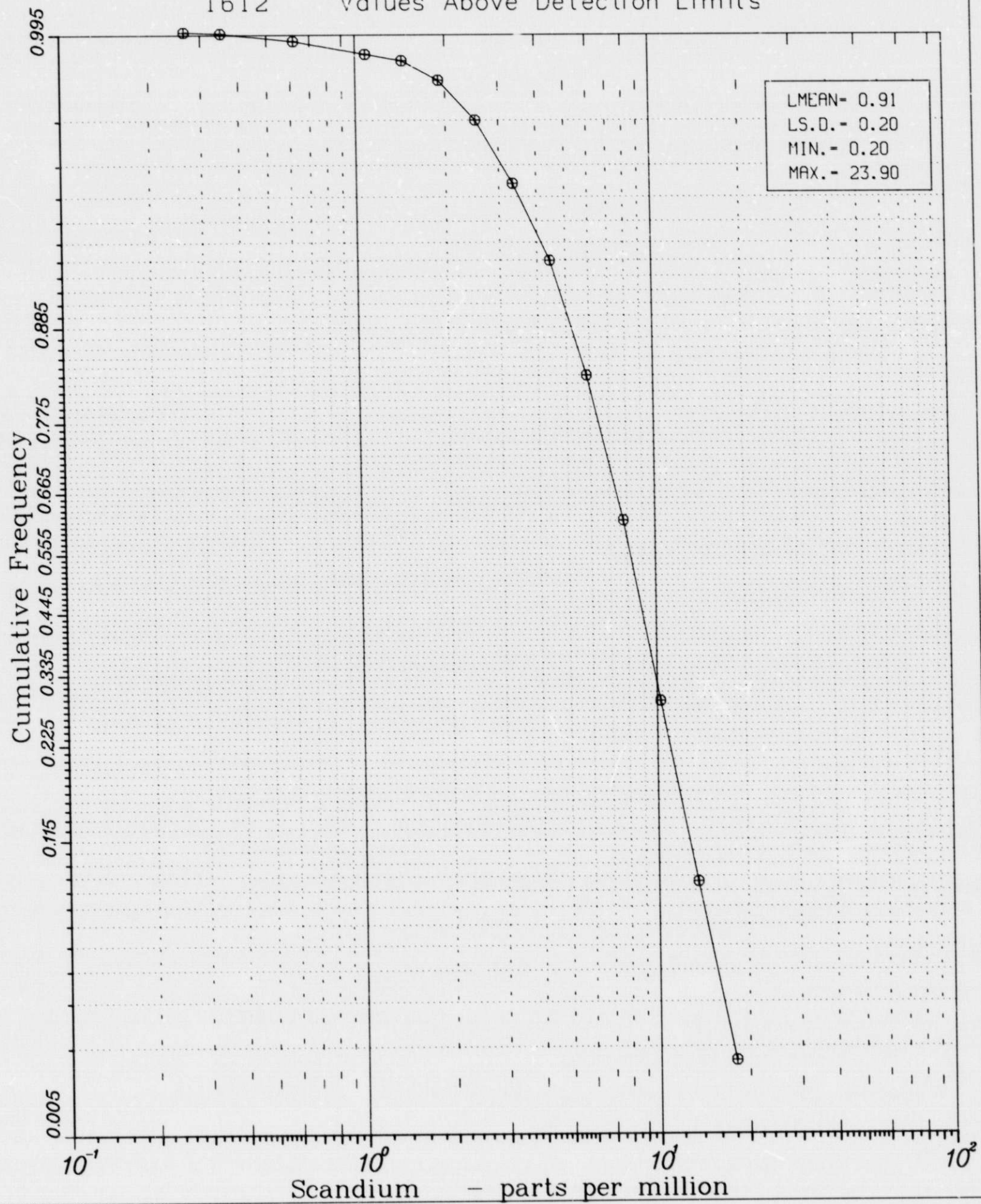
Log Histogram Scandium Values Surface Site

1612 Values Above Detection Limits



NEEDLES 1'x2' Sheet  
Log Cumulative Frequency Plot  
Scandium Values - Surface Sites

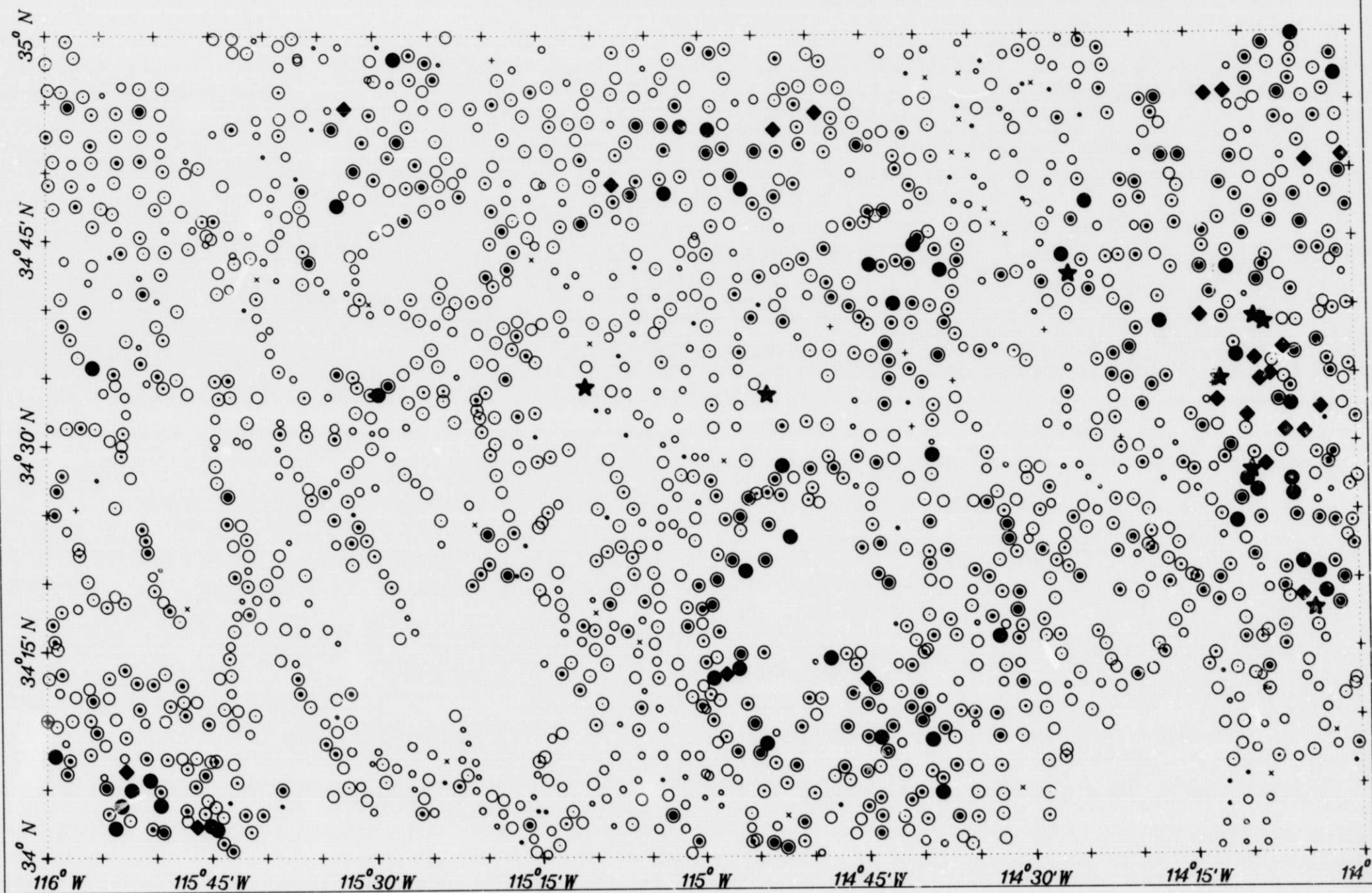
1612 Values Above Detection Limits



**NEEDLES**      *1'x2' Sheet*  
**Scandium**      **In Sediments**  
**1612**      **Values Above D.L.**

Scandium concentration - p.p.m.

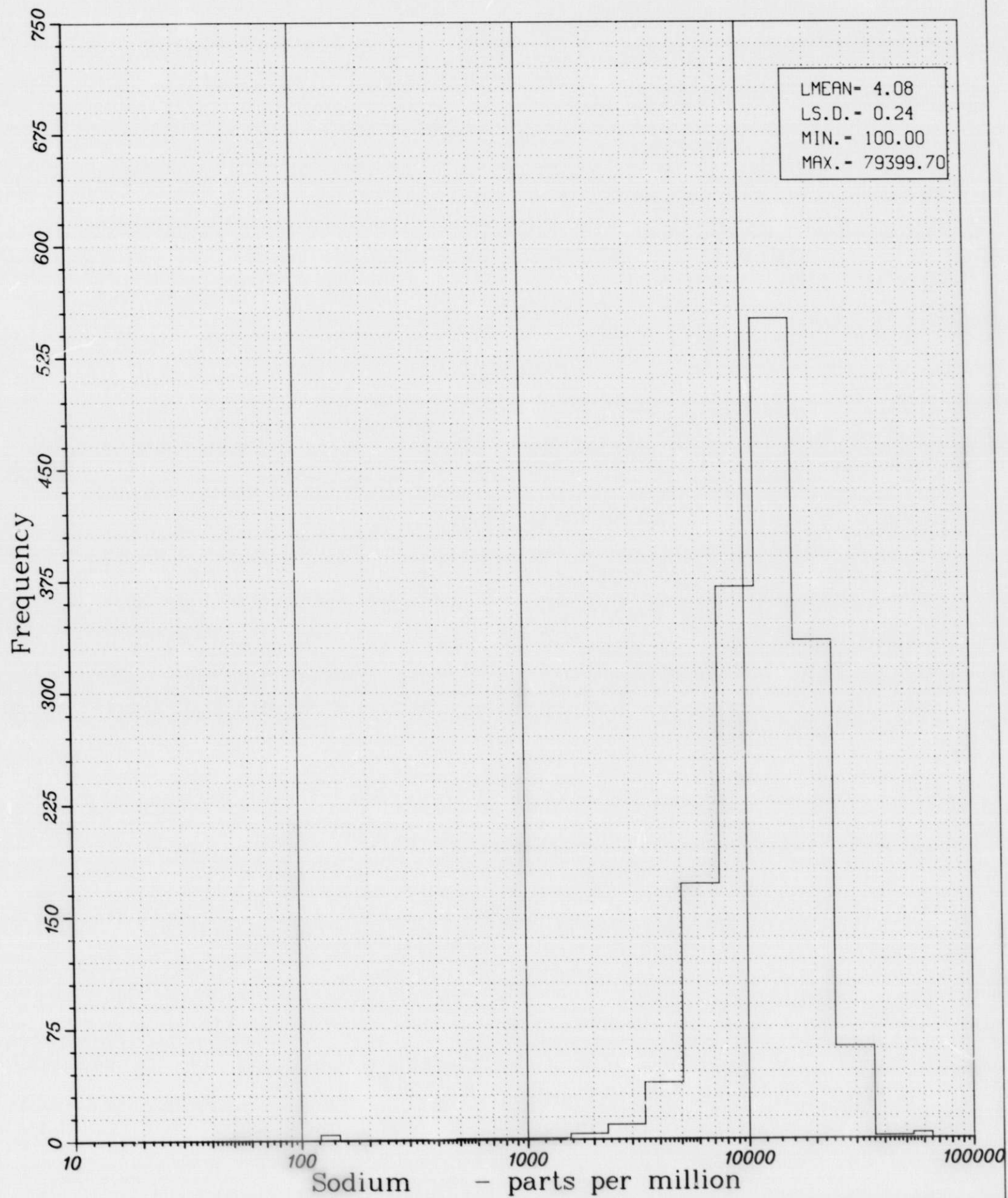
+ < 0.4	o 4.1- 4.9	○ 7.0- 8.0	⊙ 10.3- 11.9	● 14.9- 17.0
x 0.4- 2.9	o 4.9- 5.8	○ 8.0- 9.1	⊙ 11.9- 13.4	◆ 17.0- 20.1
• 2.9- 4.1	o 5.8- 7.0	⊙ 9.1- 10.3	⊙ 13.4- 14.9	★ > 20.1



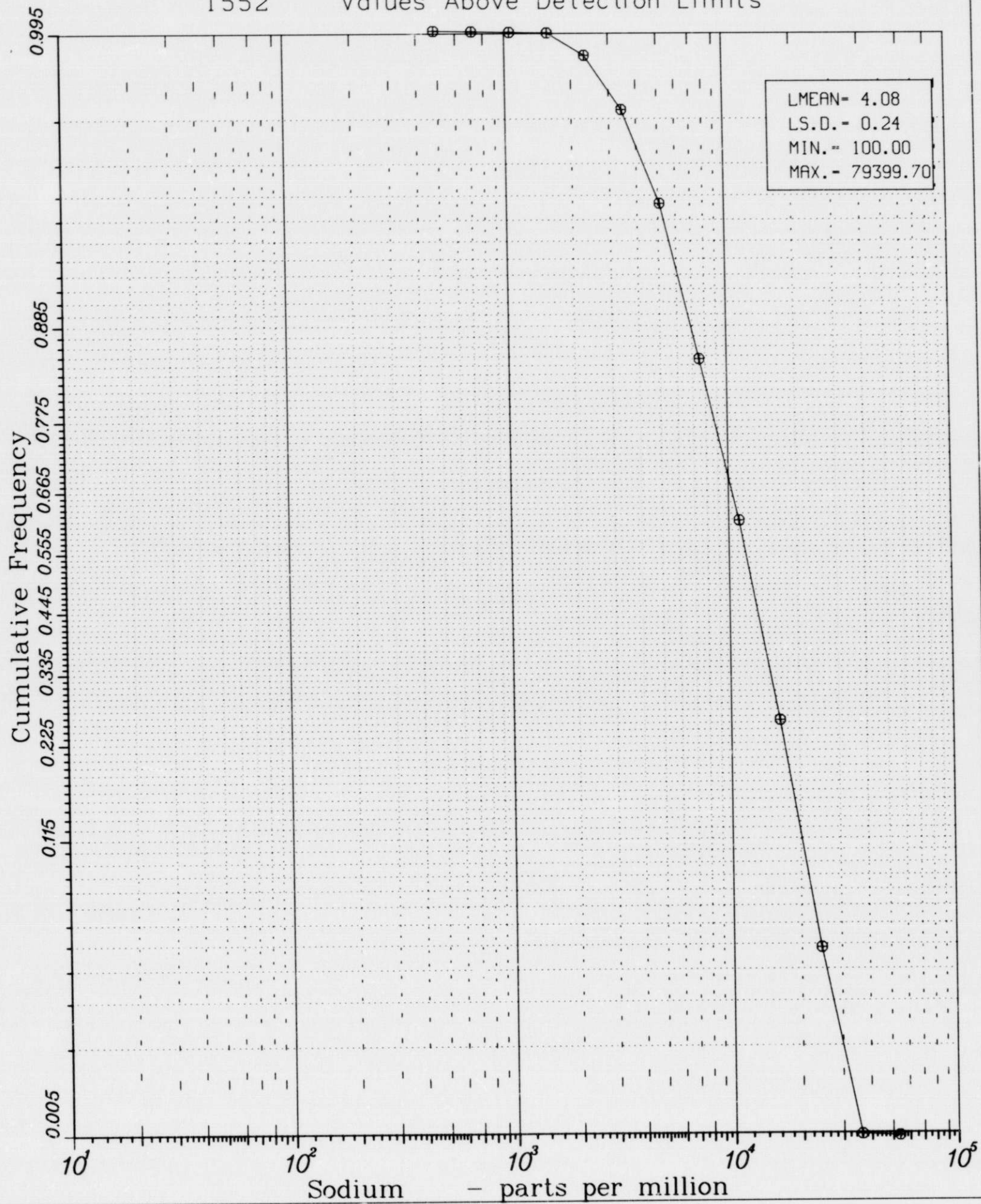
NEEDLES 1'x2' Sheet

Log Histogram Sodium Values Surface Site

1552 Values Above Detection Limits



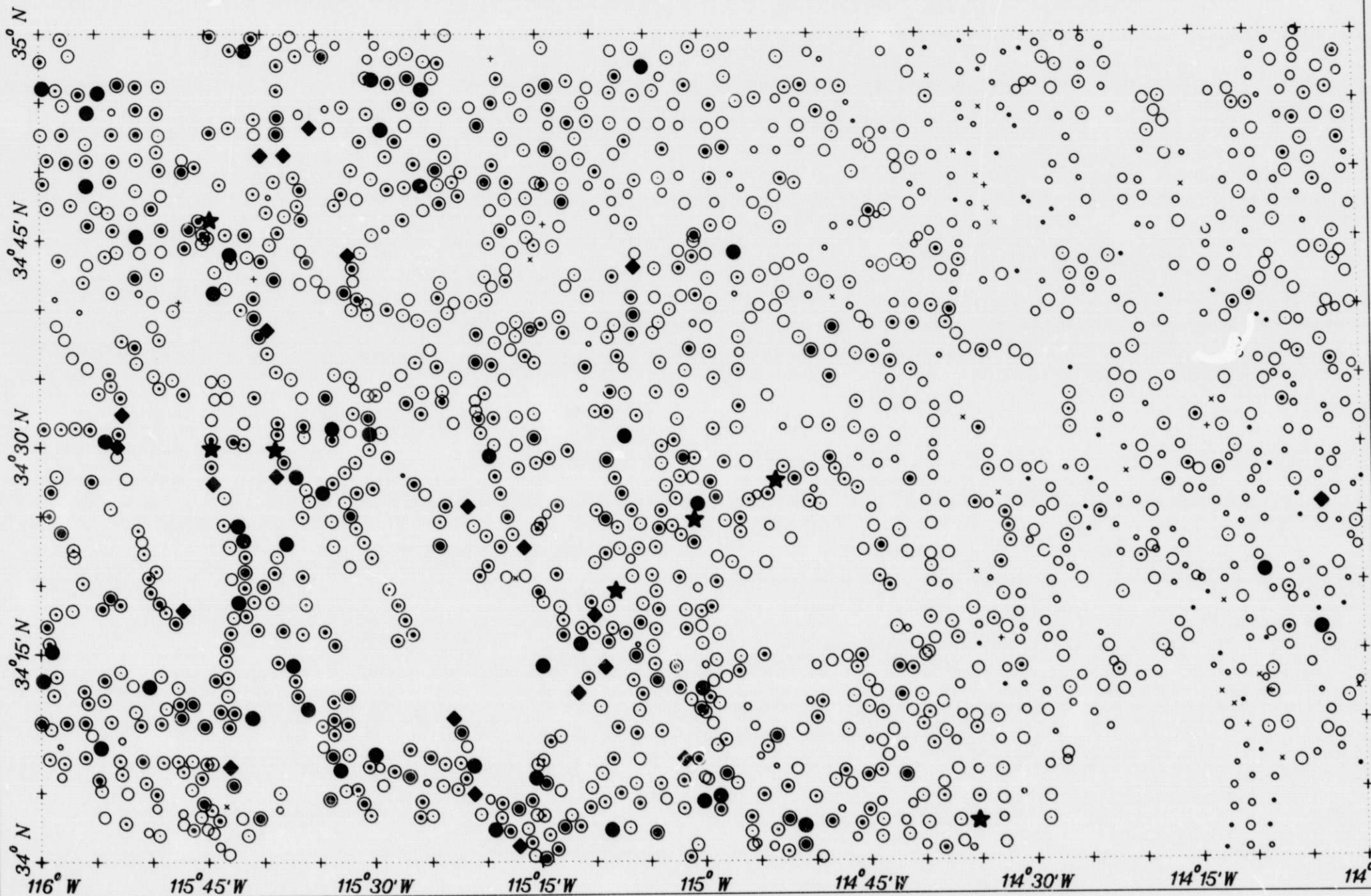
NEEDLES 1x2 Sheet  
Log Cumulative Frequency Plot  
Sodium Values - Surface Sites  
1552 Values Above Detection Limits



*NEEDLES* *1'x2' Sheet*  
 Sodium In Sediments  
 1552 Values Above D.L.

Sodium concentration - p.p.m.

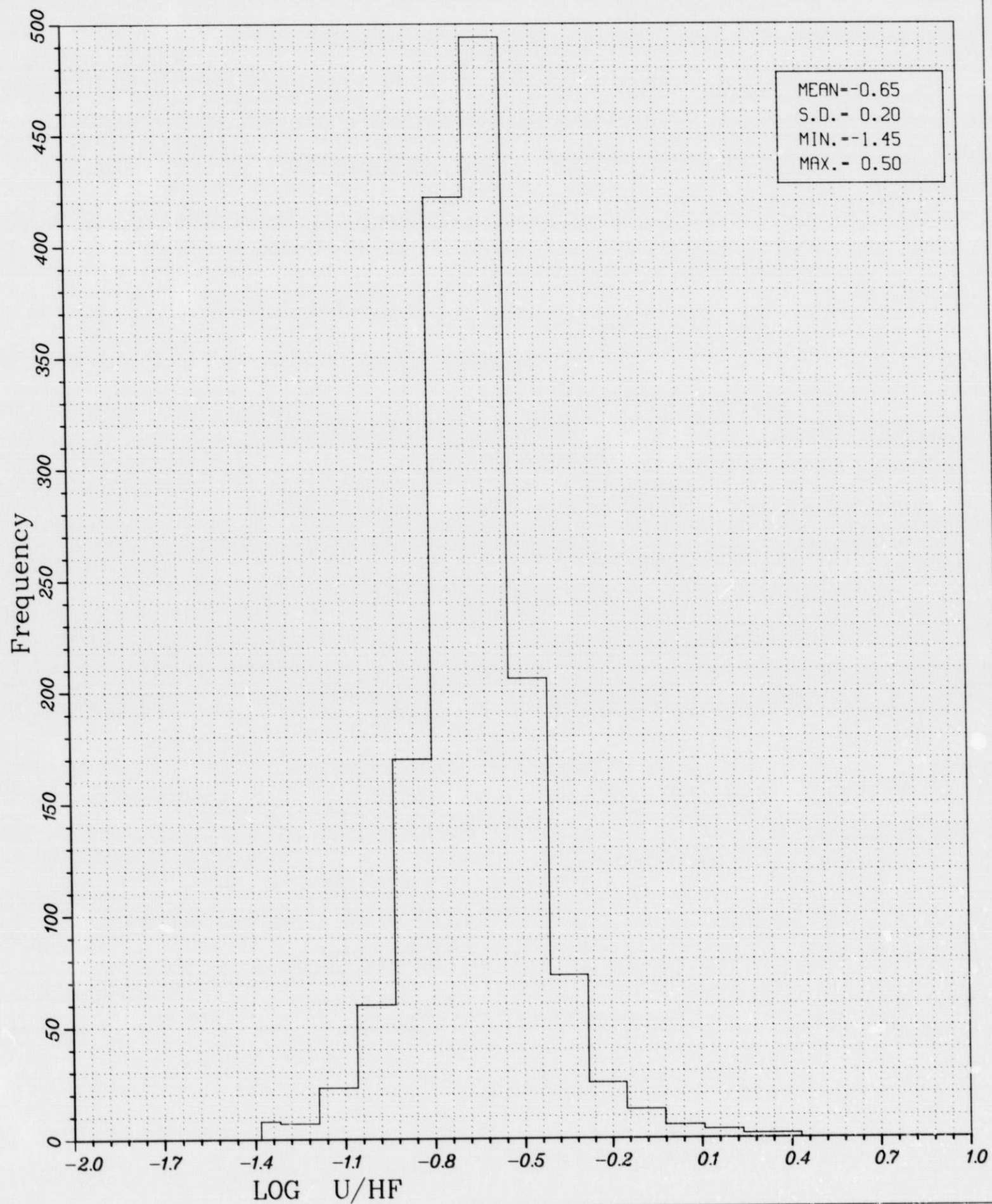
- |   |                |   |                |   |                  |   |                  |   |                  |
|---|----------------|---|----------------|---|------------------|---|------------------|---|------------------|
| + | < 1800.0       | ○ | 5400.0- 6300.0 | ○ | 9500.0- 11600.0  | ⊙ | 16000.0- 19100.0 | ● | 23900.0- 27000.0 |
| x | 1800.0- 4100.0 | ○ | 6300.0- 7800.0 | ○ | 11600.0- 13400.0 | ⊙ | 19100.0- 21500.0 | ◆ | 27000.0- 32900.0 |
| • | 4100.0- 5400.0 | ○ | 7800.0- 9500.0 | ⊙ | 13400.0- 16000.0 | ⊙ | 21500.0- 23900.0 | ★ | > 32900.0        |



NEEDLES 1'x2' Sheet

Histogram LOG U/HF Values - Surface Sites

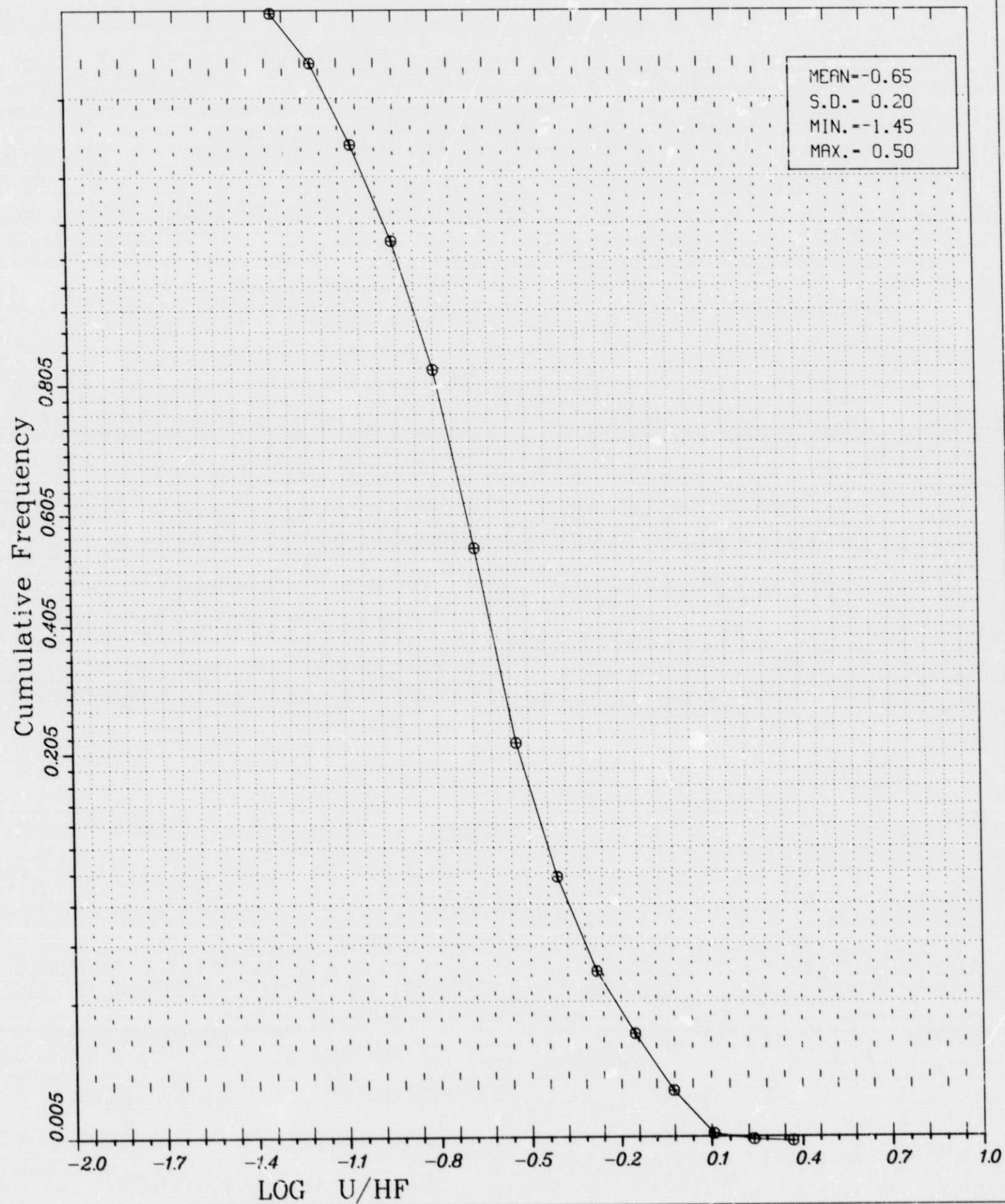
1515 Values Above Detection Limits



NEEDLES 1'x2' Sheet

Cumulative Frequency Plot

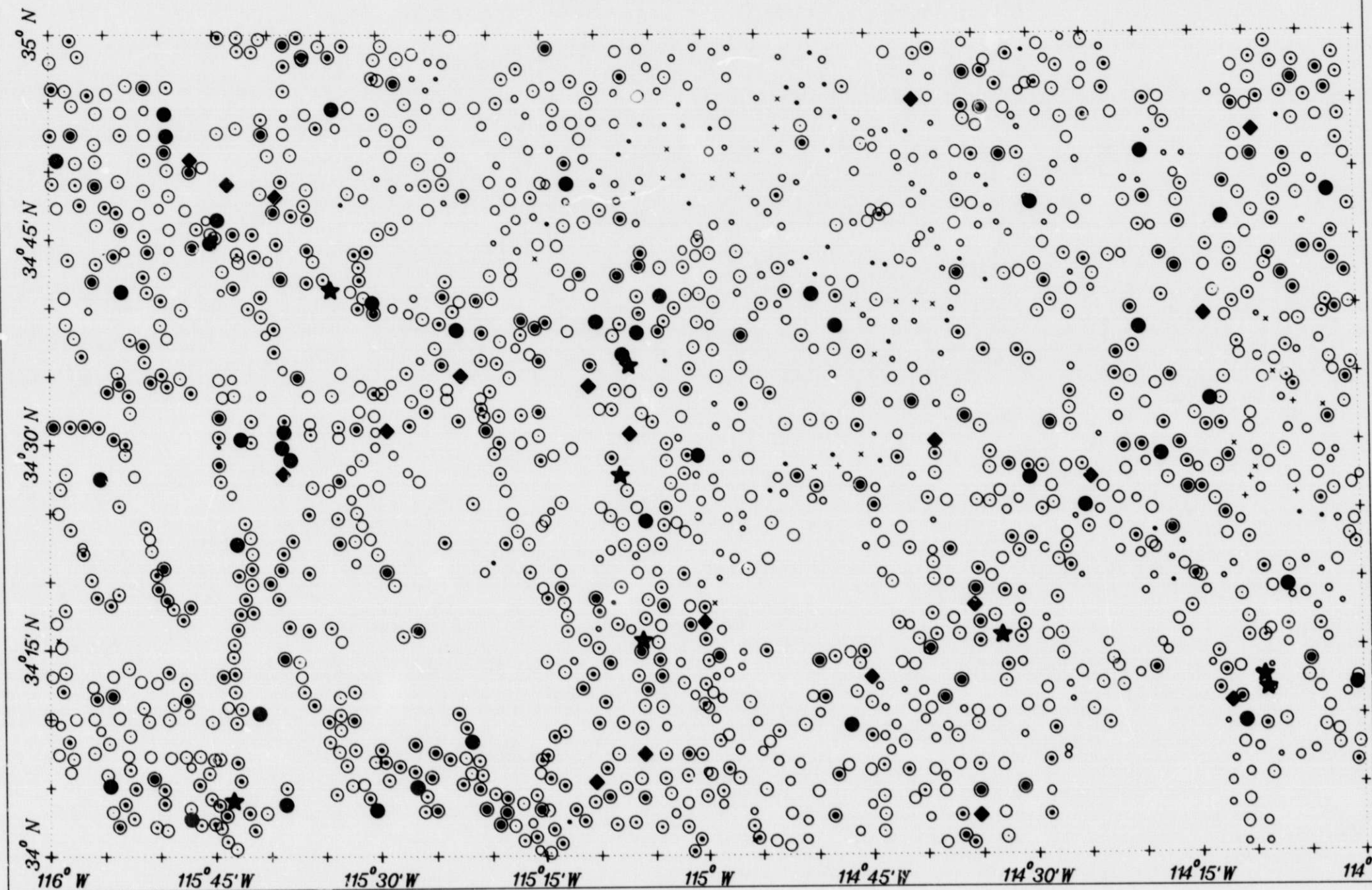
LOG U/HF Values - Surface Sites  
1515 Values Above Detection Limits





**NEEDLES** *1x2° Sheet*  
**LOG U/HF** In Sediments  
**1515** Values Above D.L.

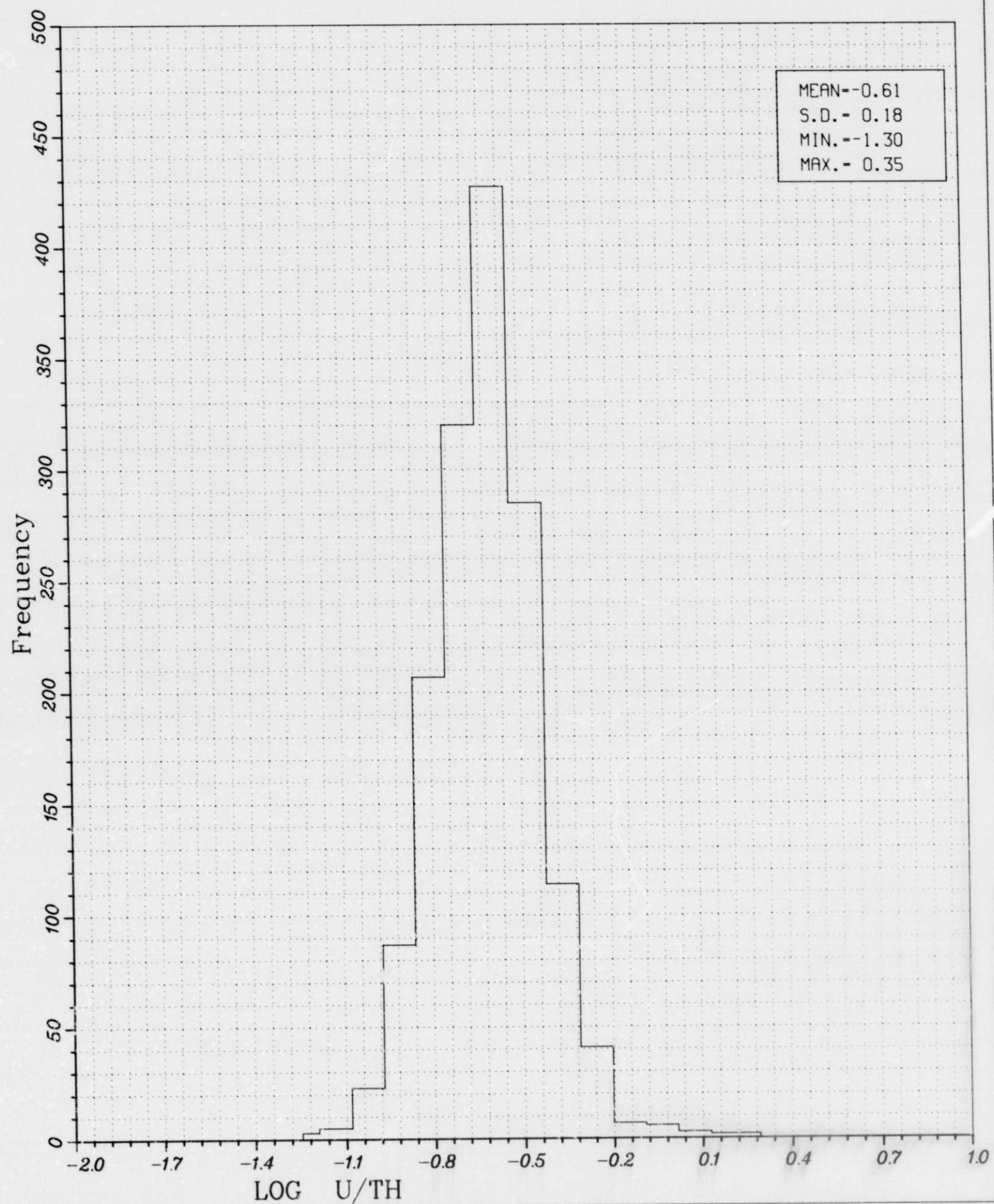
LOG U/HF				
+ < -1.32	○ -0.97--0.88	○ -0.74--0.68	⊙ -0.57--0.50	● -0.34--0.17
x -1.32--1.09	○ -0.88--0.81	○ -0.68--0.62	⊙ -0.50--0.42	◆ -0.17- 0.10
• -1.09--0.97	○ -0.81--0.74	○ -0.62--0.57	⊙ -0.42--0.34	★ > 0.10



NEEDLES 1'x2' Sheet

Histogram LOG U/TH Values - Surface Sites

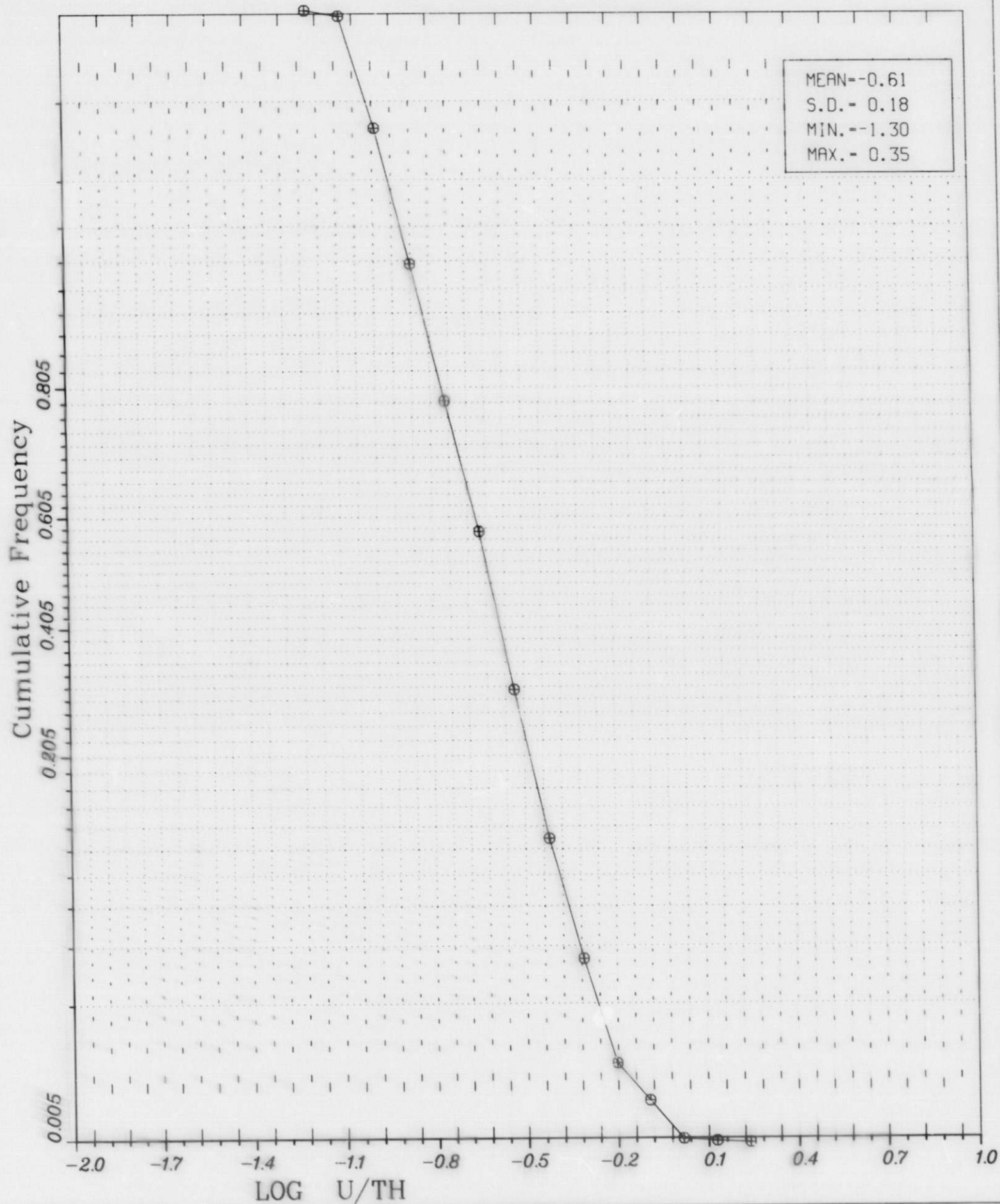
1532 Values Above Detection Limits



NEEDLES 1°x2° Sheet

Cumulative Frequency Plot

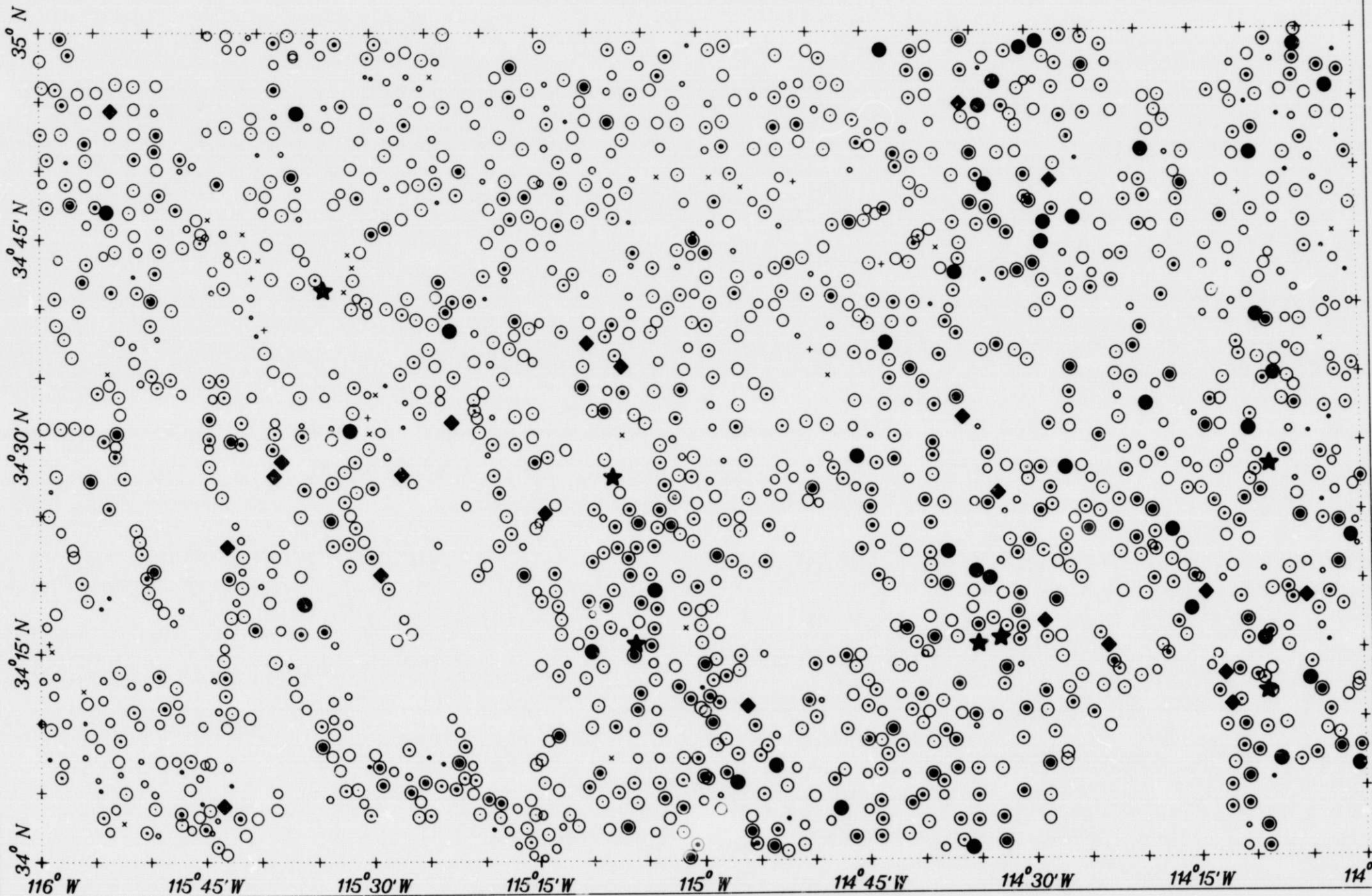
LOG U/TH Values - Surface Sites  
1532 Values Above Detection Limits



*NEEDLES*  
 LOG U/TH  
 1532 Values Above D.L.

*1°x2' Sheet*  
 In Sediments

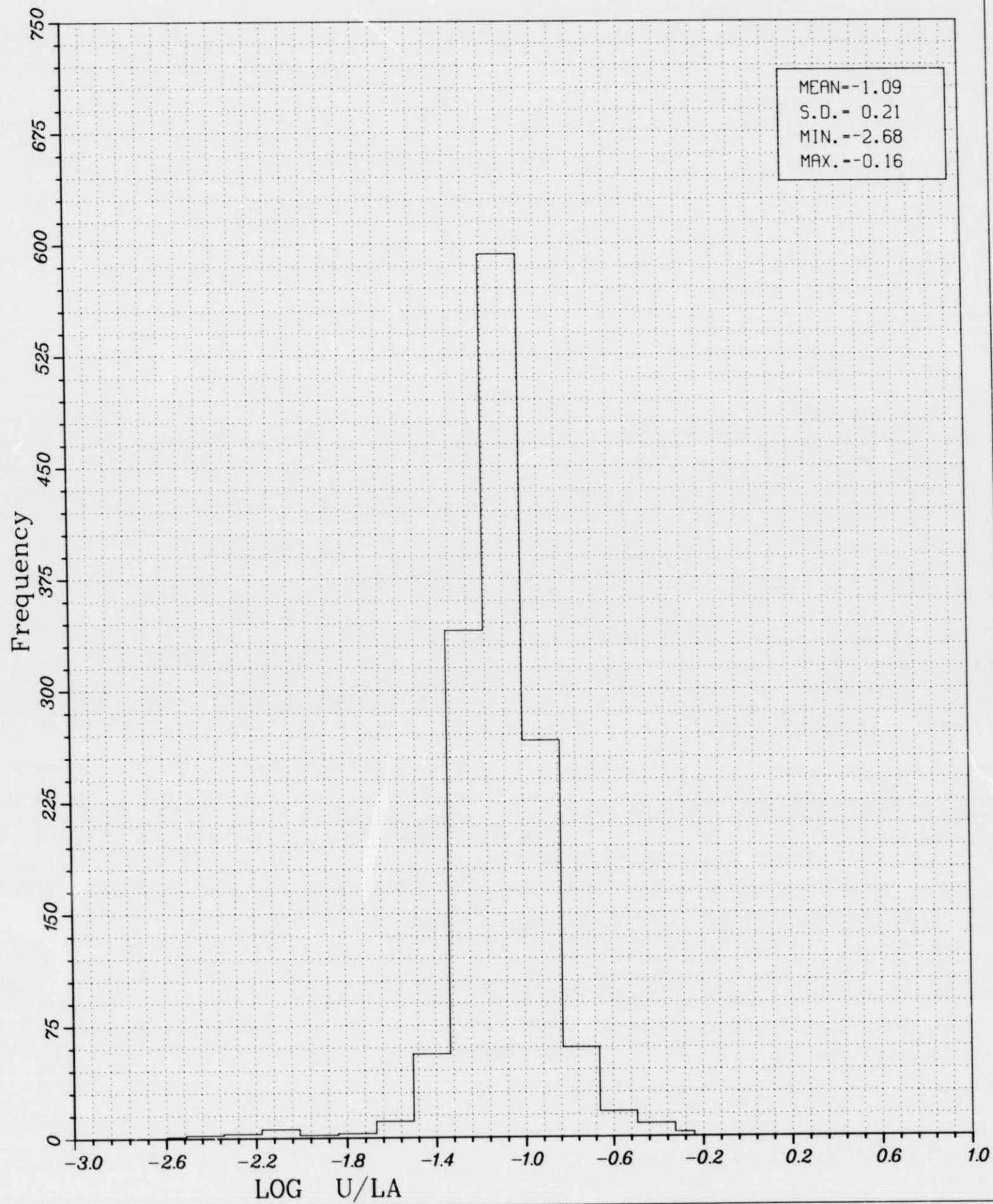
LOG U/TH				
+ < -1.09	○ -0.89--0.85	○ -0.71--0.64	⊙ -0.52--0.46	● -0.33--0.24
x -1.09--0.97	○ -0.85--0.78	○ -0.64--0.57	⊙ -0.46--0.39	◆ -0.24--0.04
• -0.97--0.89	○ -0.78--0.71	○ -0.57--0.52	⊙ -0.39--0.33	★ > -0.04



NEEDLES 1'x2' Sheet

Histogram LOG U/LA Values - Surface Sites

1372 Values Above Detection Limits

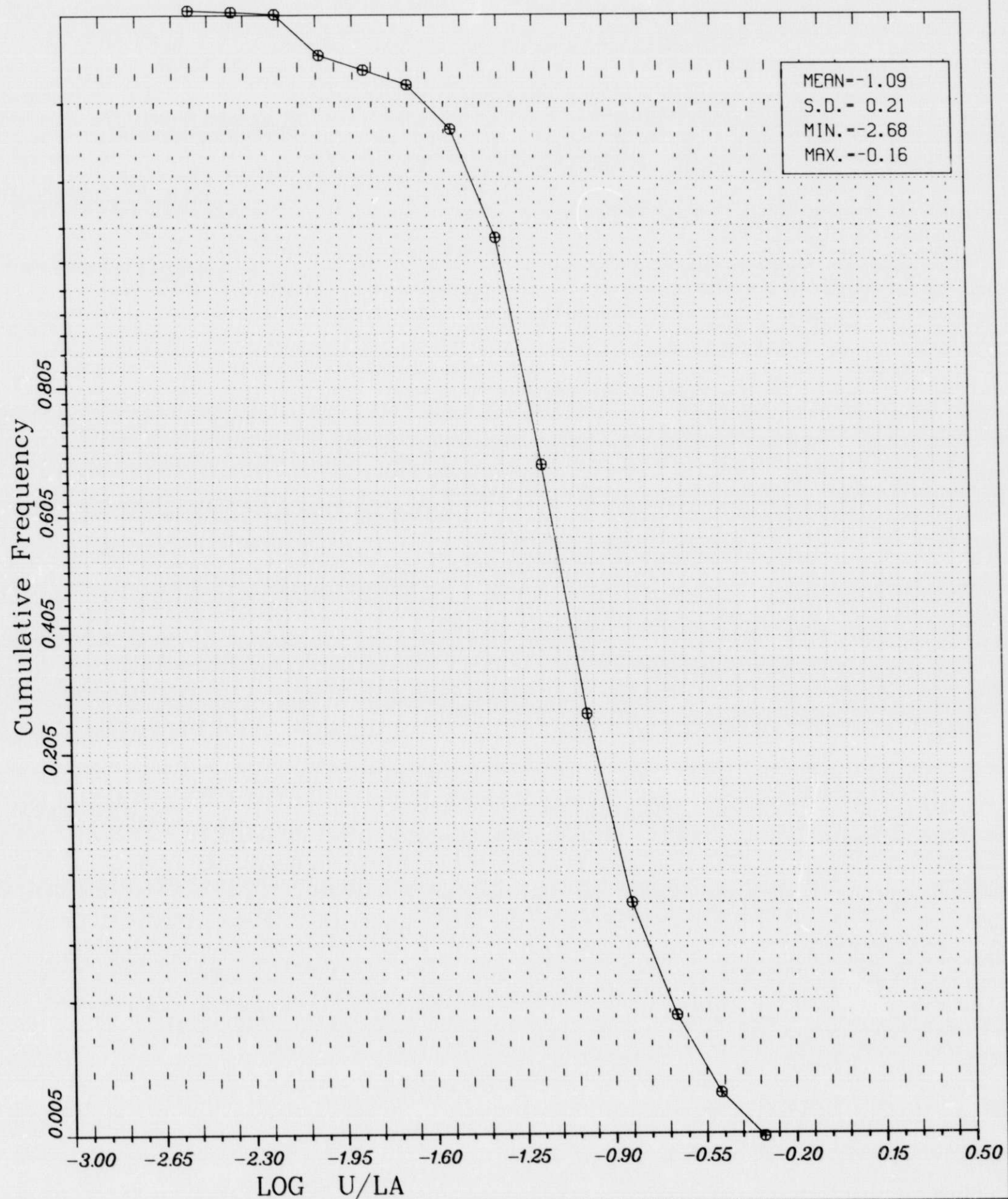


NEEDLES 1'x2' Sheet

Cumulative Frequency Plot

LOG U/LA Values - Surface Sites

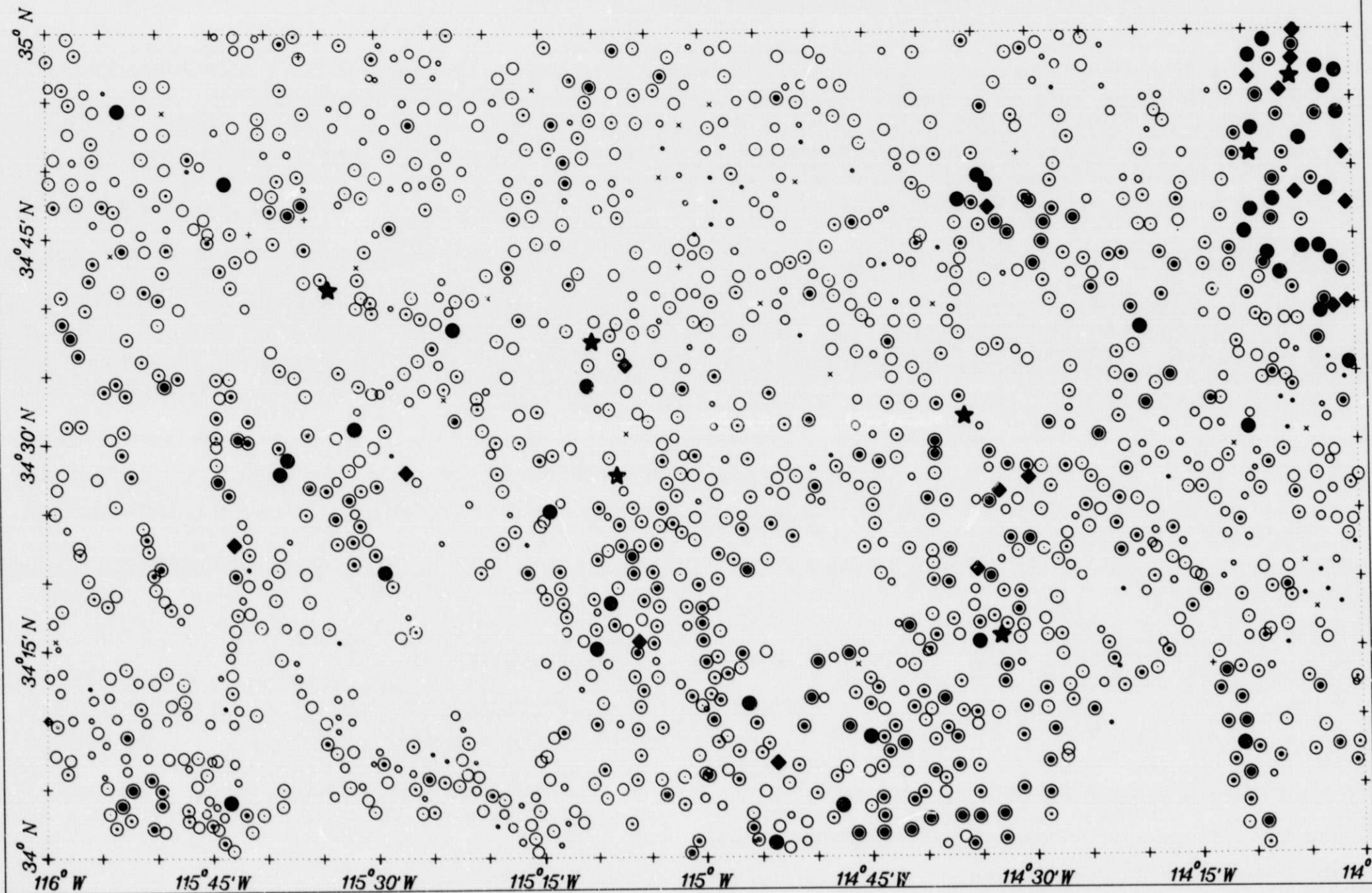
1372 Values Above Detection Limits



**NEEDLES** *1x2° Sheet*  
**LOG U/LA** In Sediments  
**1372** Values Above D.L.

LOG U/LA

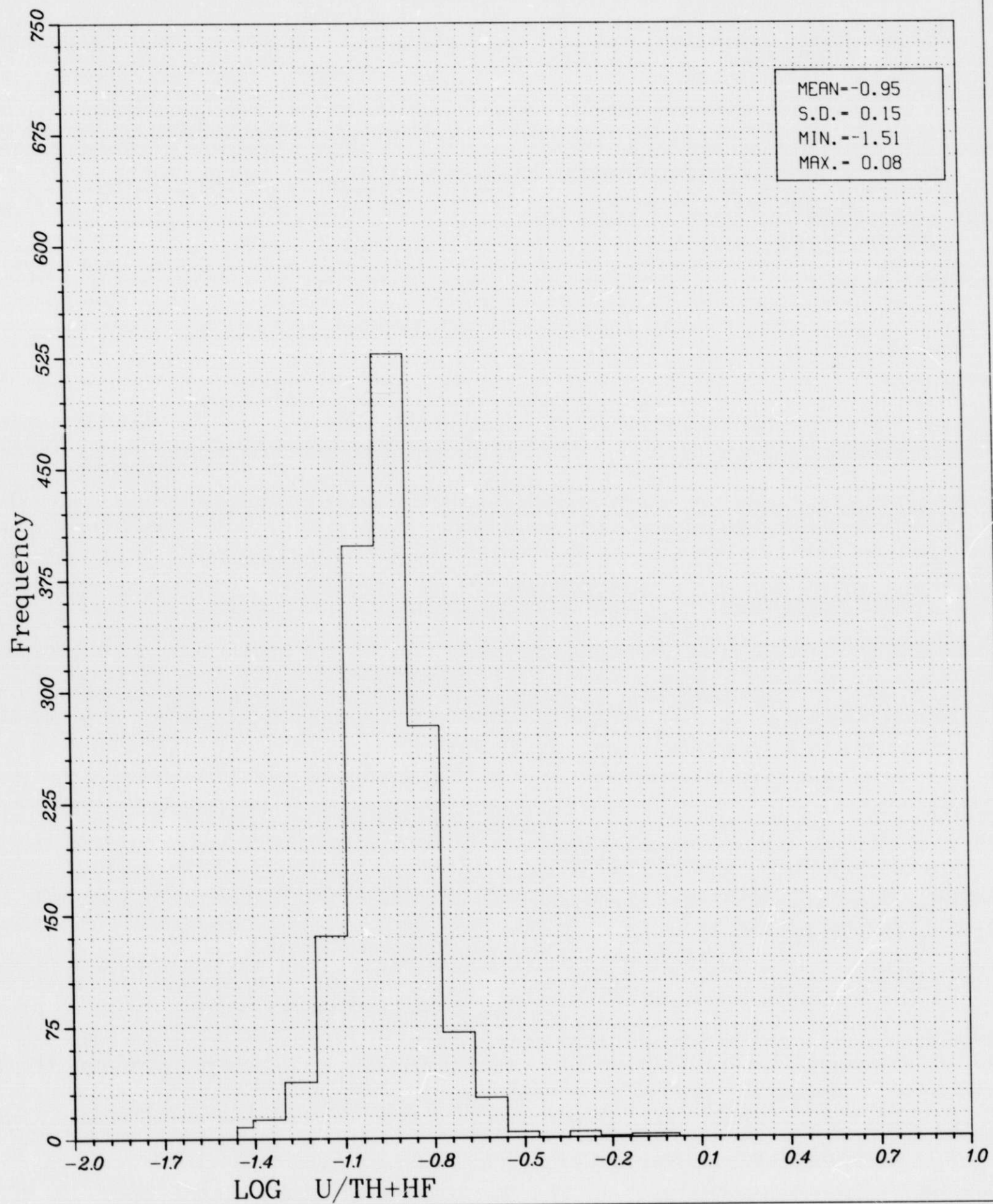
+ < -2.16	○ -1.36--1.30	○ -1.18--1.12	⊙ -1.00--0.93	● -0.79--0.65
x -2.16--1.53	○ -1.30--1.24	○ -1.12--1.06	⊙ -0.93--0.87	◆ -0.65--0.46
• -1.53--1.36	○ -1.24--1.18	○ -1.06--1.00	⊙ -0.87--0.79	★ > -0.46



NEEDLES 1'x2' Sheet

Histogram LOG U/TH+HF Values - Surface Sites

1508 Values Above Detection Limits



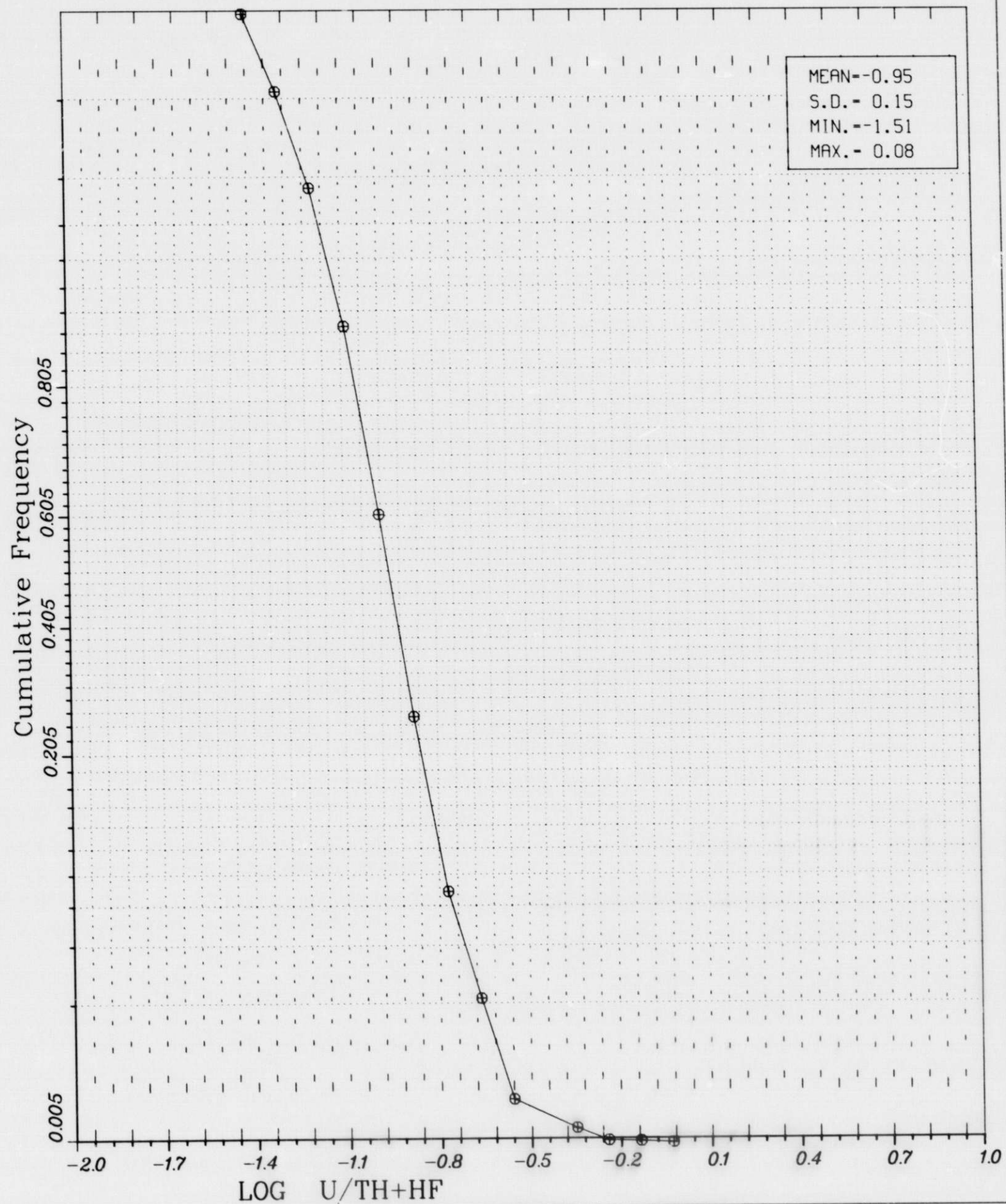


NEEDLES 1'x2' Sheet

Cumulative Frequency Plot

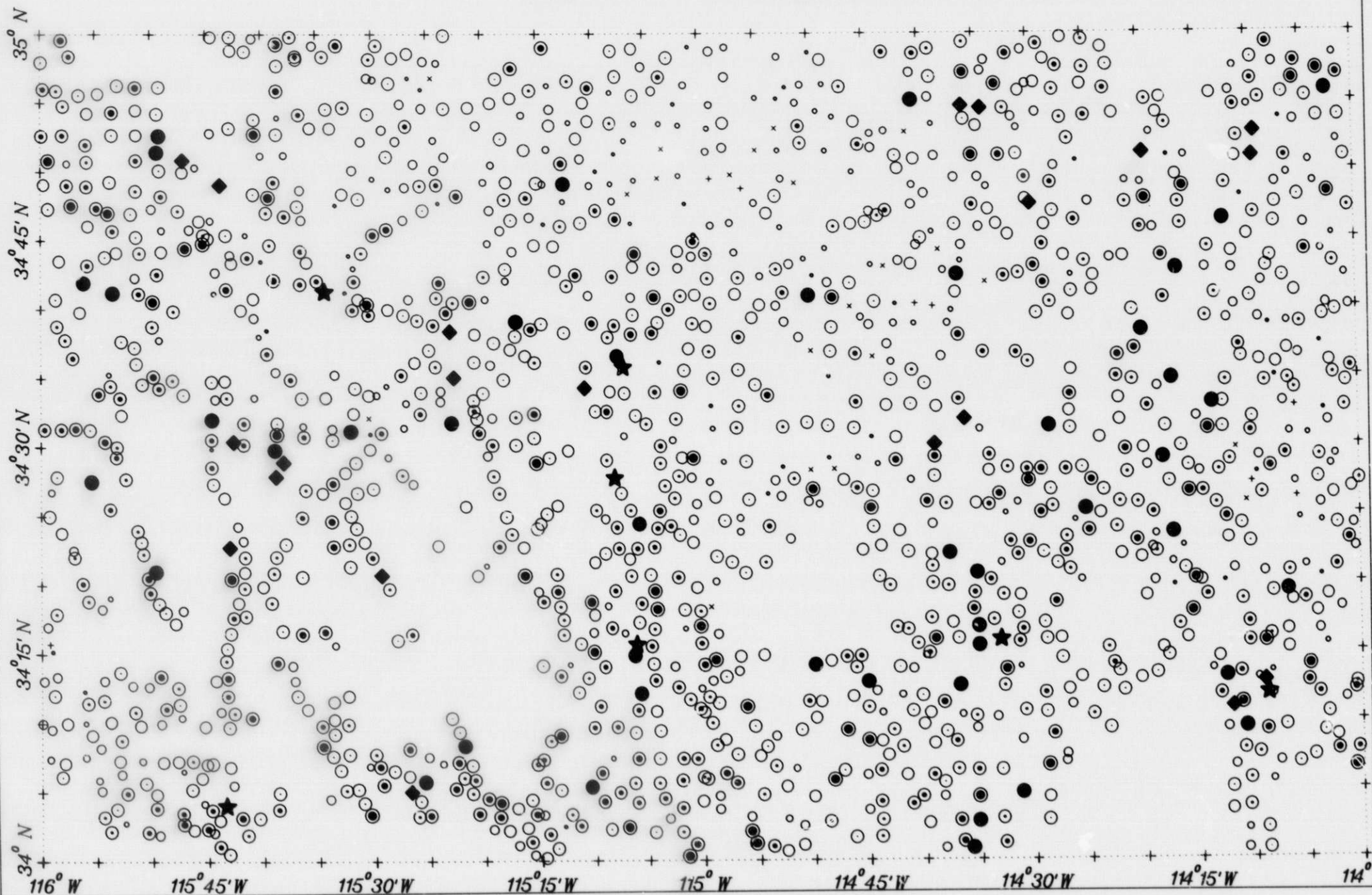
LOG U/TH+HF Values - Surface Sites

1508 Values Above Detection Limits



**NEEDLES** *1°x2° Sheet*  
**LOG U/TH+HF** In Sediments  
**1508** Values Above D.L.

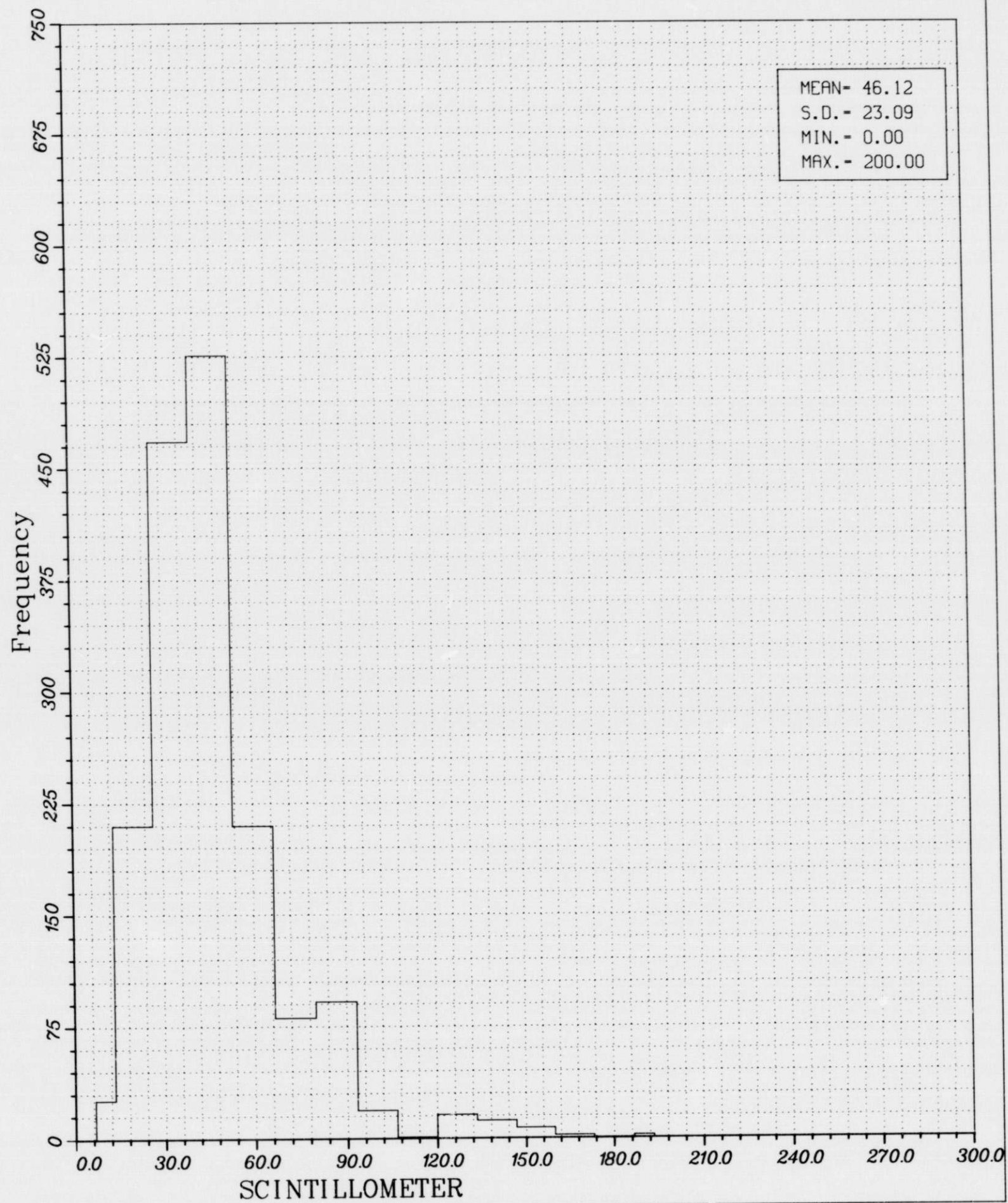
LOG U/TH+HF				
+ < -1.41	○ -1.18--1.12	○ -1.02--0.97	○ -0.88--0.83	● -0.74--0.64
x -1.41--1.26	○ -1.12--1.07	○ -0.97--0.92	○ -0.83--0.79	◆ -0.64--0.33
• -1.26--1.18	○ -1.07--1.02	○ -0.92--0.88	○ -0.79--0.74	★ > -0.33



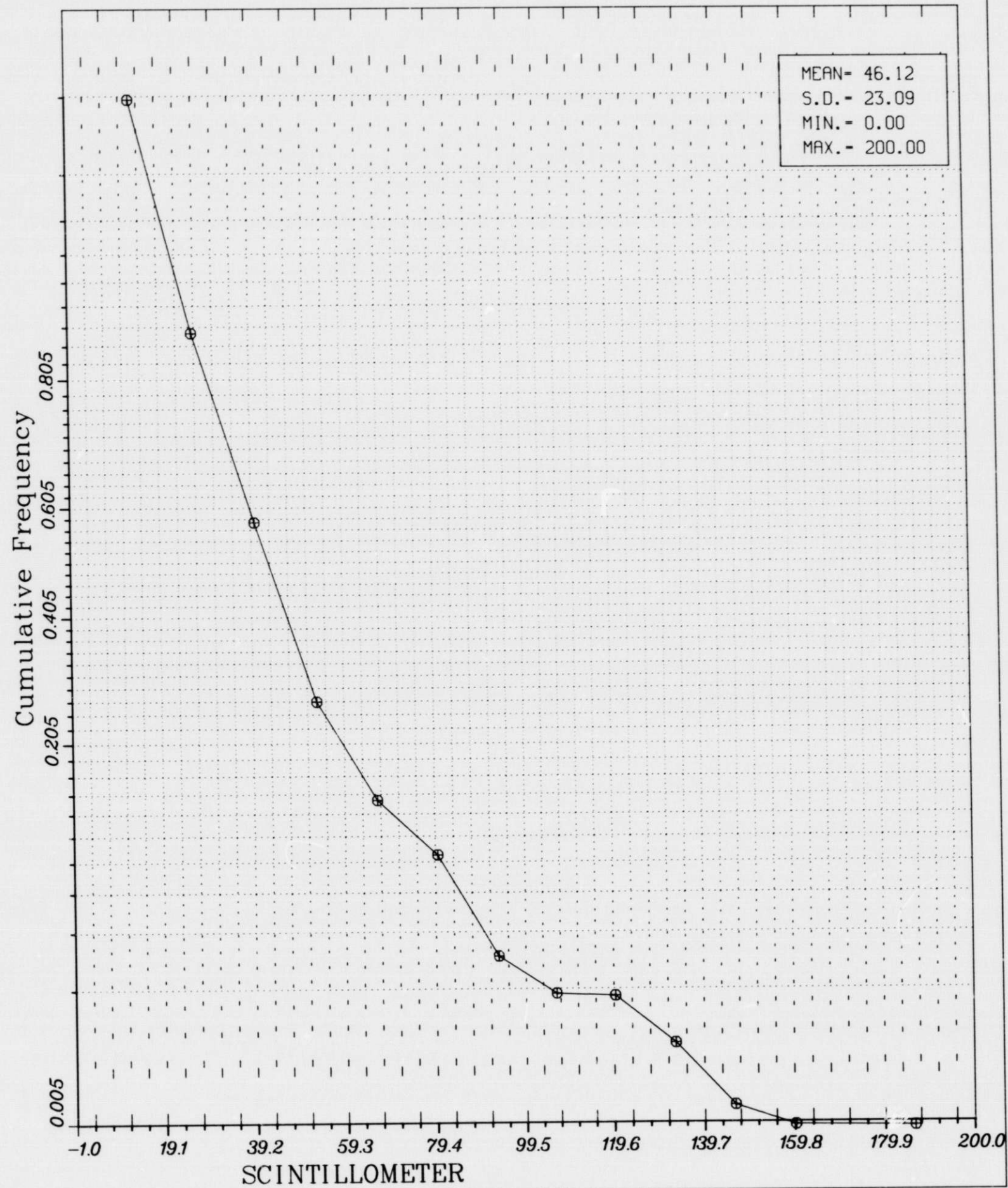
NEEDLES 1'x2' Sheet

Histogram SCINTILLOMETER Values - Surface Sites

1672 Values Above Detection Limits



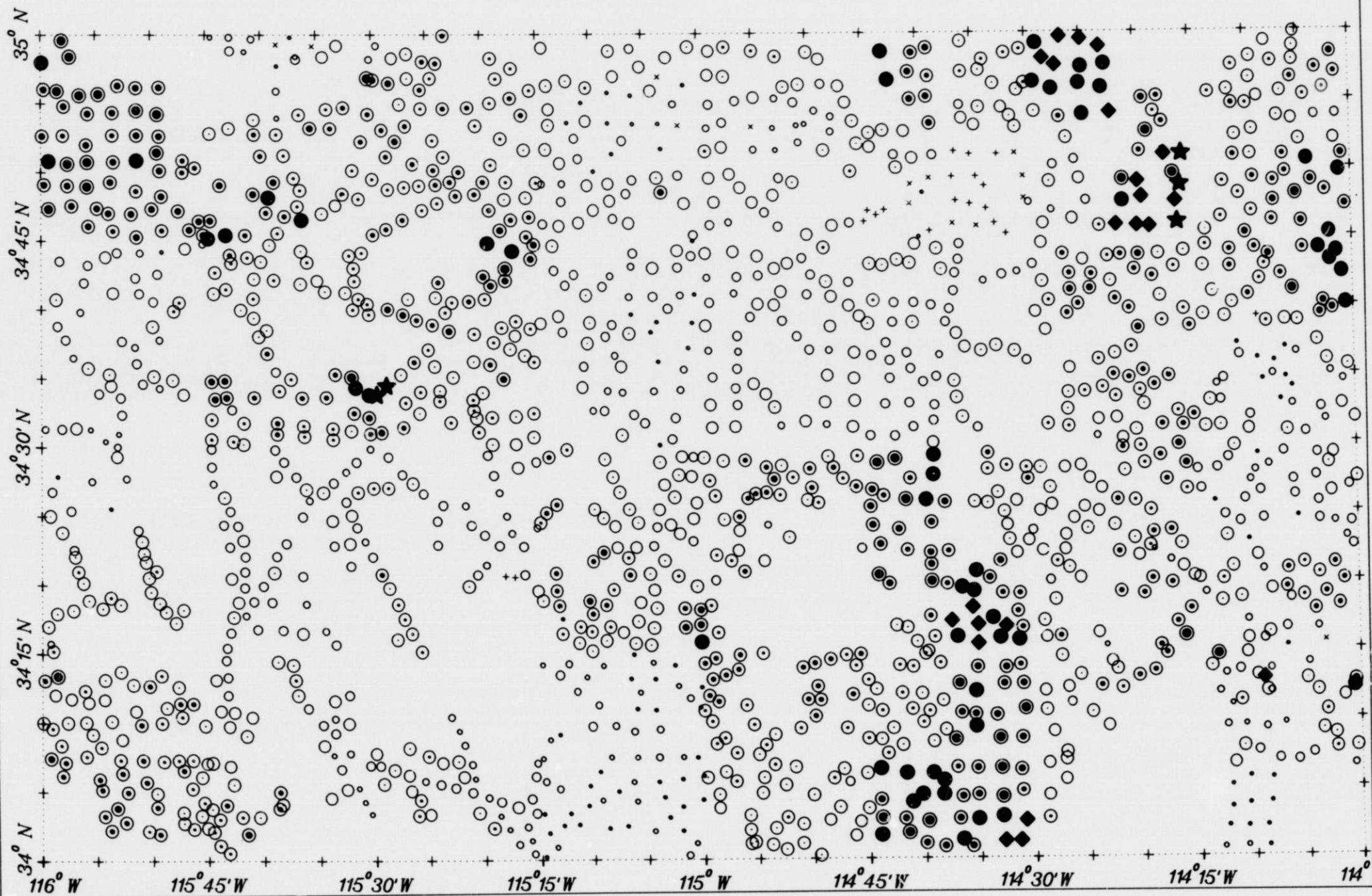
NEEDLES 1'x2' Sheet  
Cumulative Frequency Plot  
SCINTILLOMETER Values - Surface Sites  
1672 Values Above Detection Limits

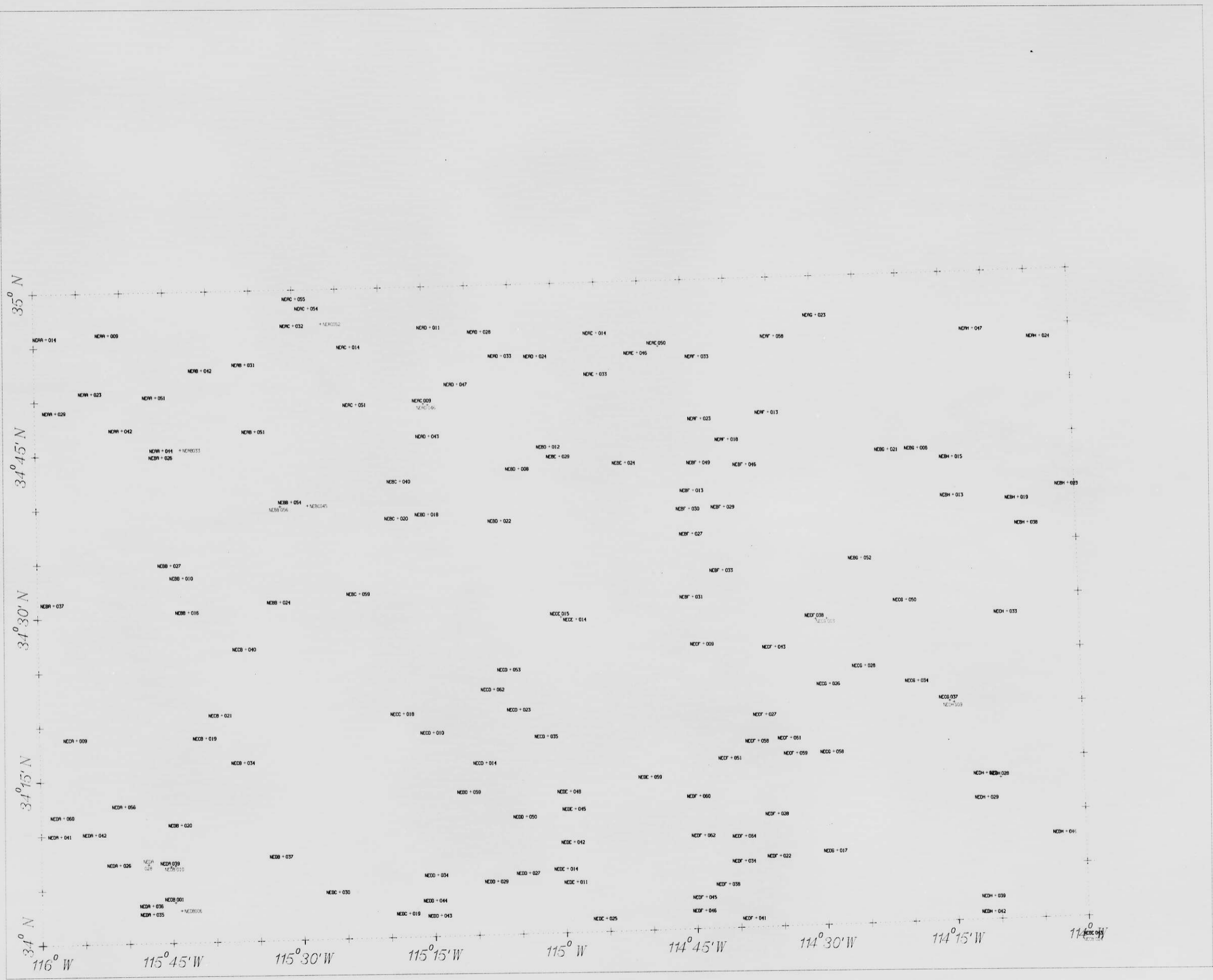


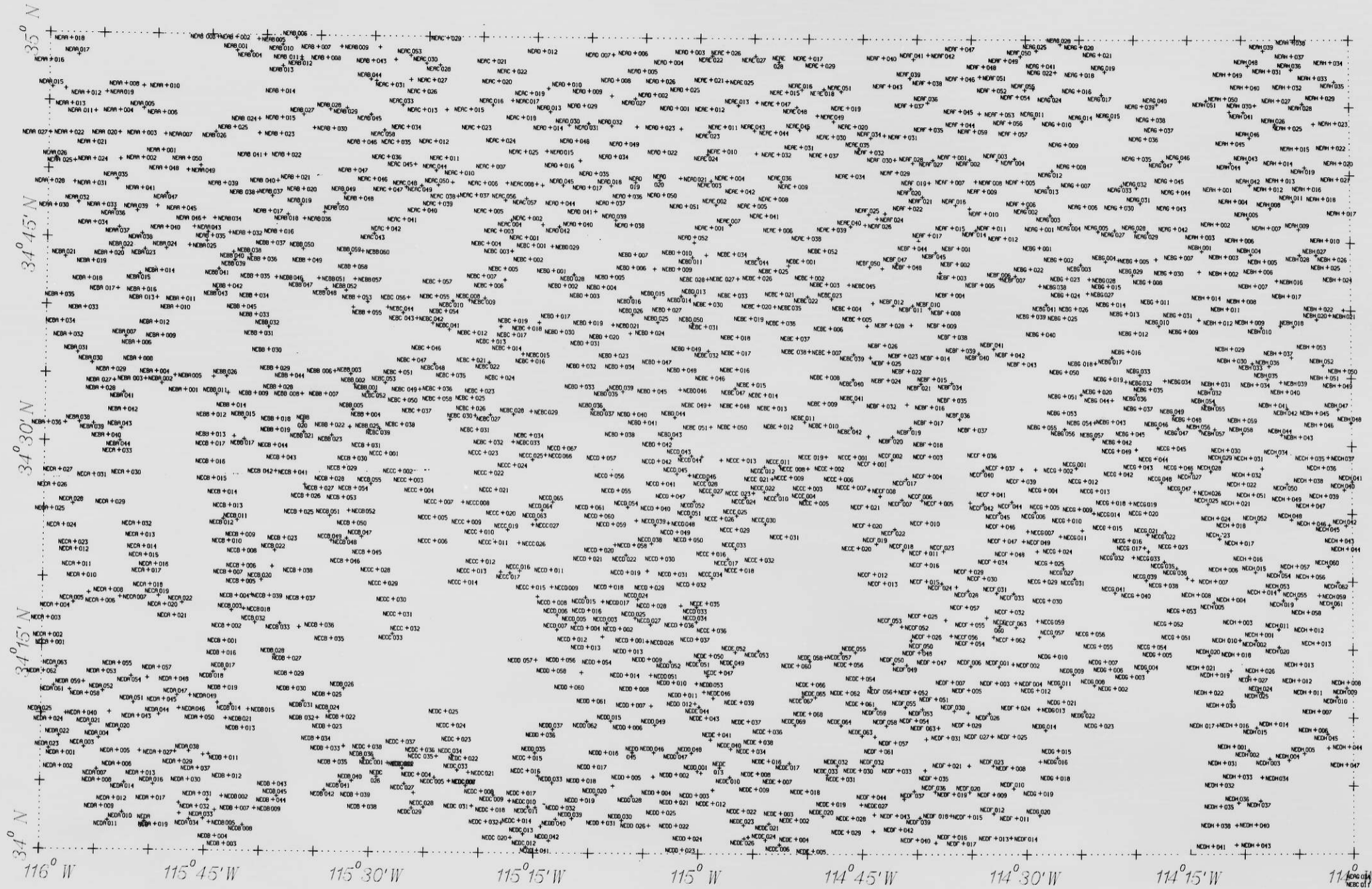
*NEEDLES* 1'x2' Sheet  
 SCINTILLOMETER In Sediments  
 1672 Values Above D.L.

SCINTILLOMETER

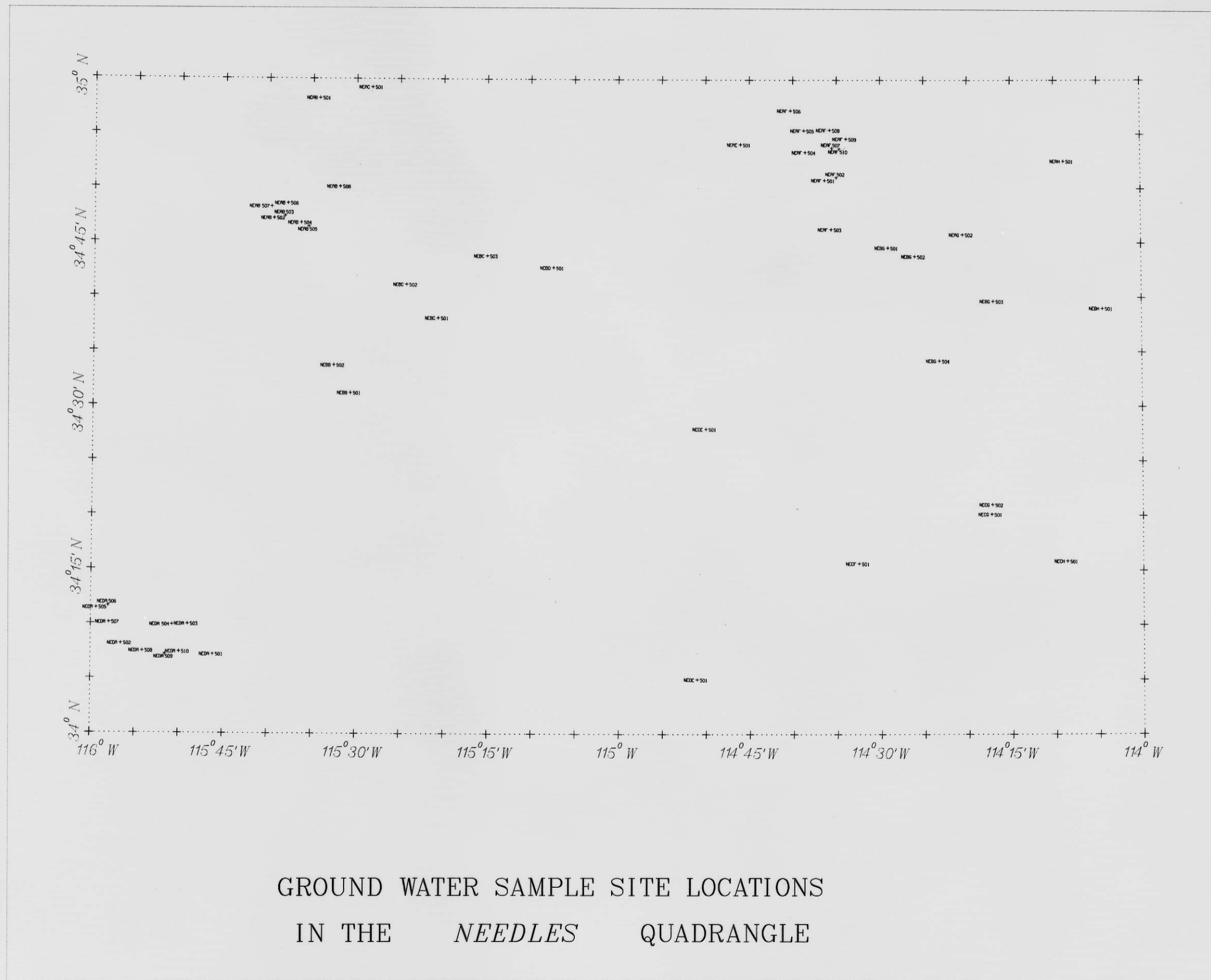
+ < 10.00	• 20.00- 24.00	○ 32.00- 38.00	⊙ 52.00- 65.00	● 85.00- 120.00
× 10.00- 15.00	○ 24.00- 28.00	⊙ 38.00- 45.00	⊙ 65.00- 80.00	◆ 120.00- 150.00
• 15.00- 20.00	○ 28.00- 32.00	⊙ 45.00- 52.00	⊙ 80.00- 85.00	★ > 150.00







SURFACE SAMPLE SITE LOCATIONS  
IN THE NEEDLES QUADRANGLE



GROUND WATER SAMPLE SITE LOCATIONS  
 IN THE *NEEDLES* QUADRANGLE