

***** 03-SEP-88

A PROGRAM IN THE Q'GAS SYSTEM TO CALCULATE UNIVARIATE STATISTICS AND DISPLAY HISTOGRAMS

Version 5.0.3 March 1986

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***** 03-SEP-88

A PROGRAM IN THE Q'GAS SYSTEM TO CALCULATE CORRELATION COEFFICIENTS AND DISPLAY X-Y PLOTS

Version 5.0.3 March 1986

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DATA TITLE: SBS2 GRID - 1988 LITHO SAMPLES

THE FOLLOWING VARIABLES ARE IN THE DATA SET:

AL203 BA CAD FE203 K20 NSD MNO2 MA20 P205 SI02 SR TI02 ZR S TOT
SR TI02 ZR S TOT LINE DEP RTYPE ALT1 ALT2
ALT3 ALT4 MNI1 MNI2 MNI3 MNI4 A6 AS BI CU
PB SB ZN AU

SBS2 GRID - 1988 LITHO SAMPLES

SBS 2 QGAS DATA 824278

CORRELATION MATRIX: (99.0 INDICATES COEFFICIENT COULD NOT BE CALCULATED)

Table with 17 columns (AL203 to AU) and 17 rows showing correlation coefficients between variables.

SBS2 GRID - 1988 LITHO SAMPLES

CORRELATION MATRIX: (99.0 INDICATES COEFFICIENT COULD NOT BE CALCULATED)

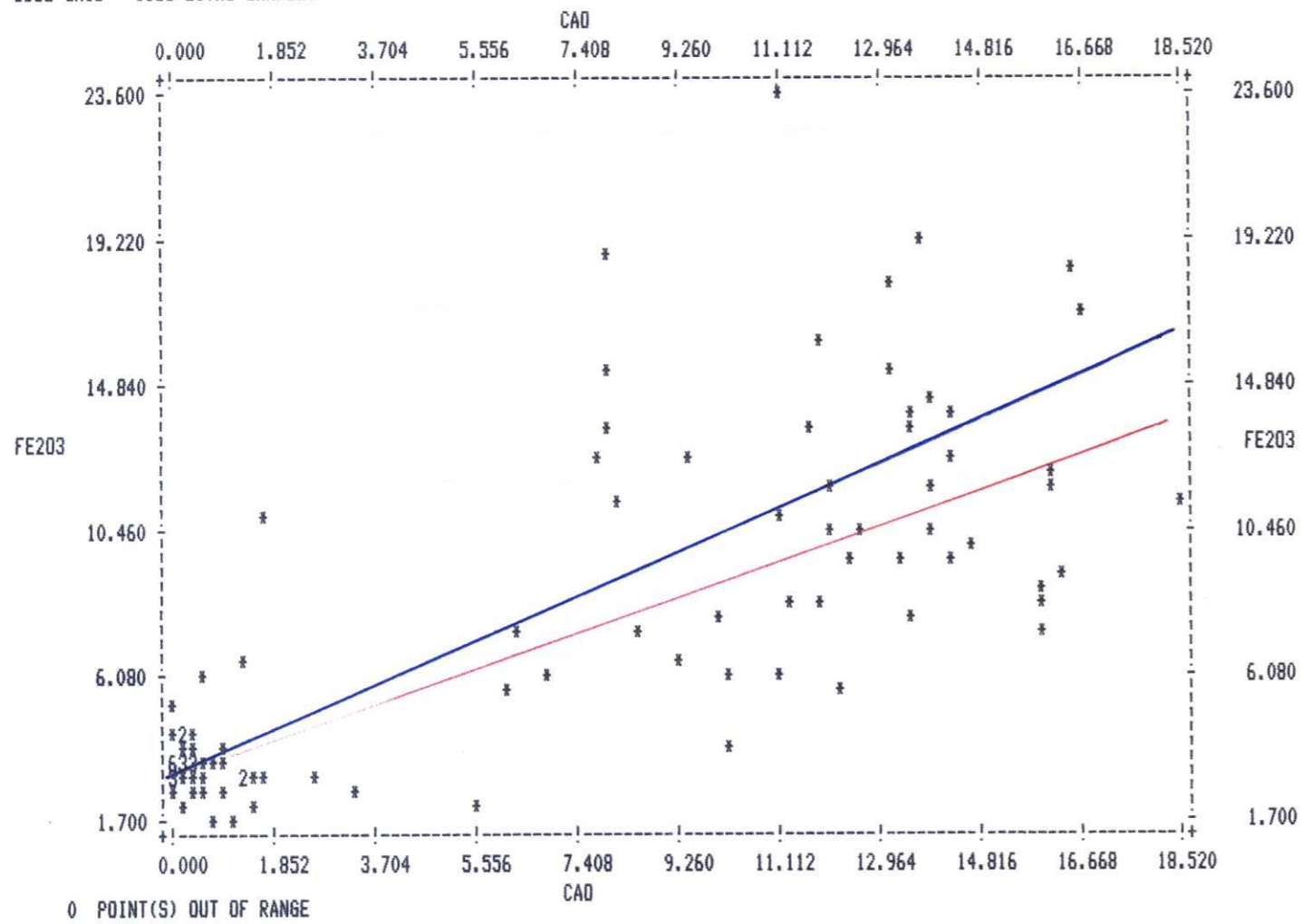
Table with 17 columns (LINE to AU) and 17 rows showing correlation coefficients between variables.

SBS2 GRID - 1988 LITHO SAMPLES

CORRELATION MATRIX: (99.0 INDICATES COEFFICIENT COULD NOT BE CALCULATED)

Table with 4 columns (PB to AU) and 17 rows showing correlation coefficients between variables.

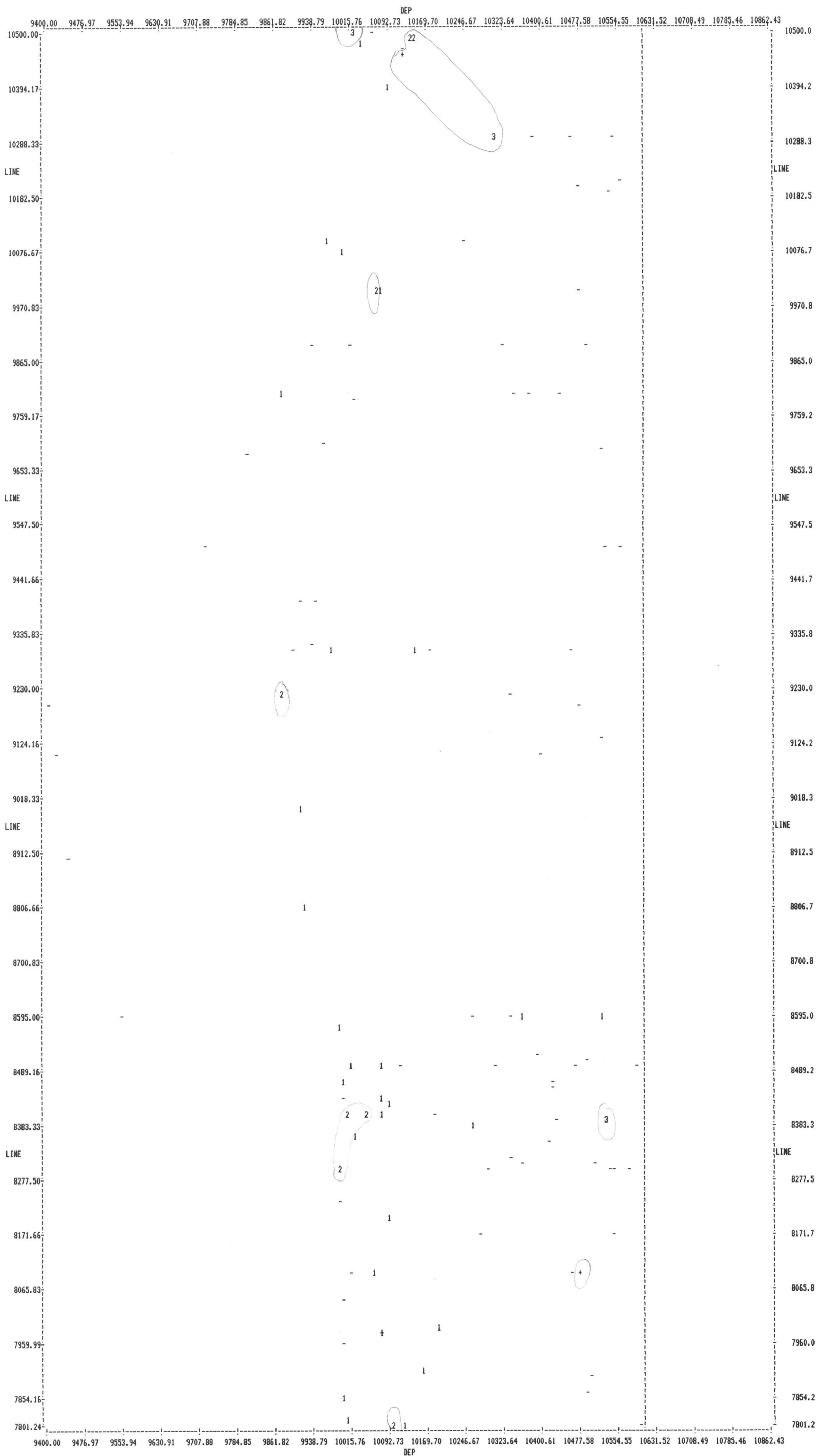
SBS2 GRID - 1988 LITHO SAMPLES



STATISTICS FOR VARIABLES:	CAD	FE203
NUMBER OF OBSERVATIONS:	96	96
MINIMUM:	0.00	1.70
MAXIMUM:	18.52	23.60
MEAN:	6.58	7.49
STANDARD ERROR OF MEAN:	0.63	0.51
STANDARD DEVIATION:	6.21	5.01
COEFFICIENT OF VARIATION:	94.39	66.83
SKEWNESS:	0.25	0.91
KURTOSIS:	-1.60	-0.01
CORRELATION COEFFICIENT:	0.7641	

SBS2 GRID - 1988 LITHO SAMPLES

SYMBOL MAP FOR:		BI	
STRIP	1 OF 1	05-SEP-88	
LOWER BOUND	UPPER BOUND	SYMBOL	FREQUENCY
BELOW	10.000	-	71
10.000	15.000	1	30
15.000	20.000	2	8
20.000	30.000	3	3
ABOVE	30.000	+	2
VALUES THAT FALL ON A CLASS BOUND ARE ASSIGNED TO THE LOWER CLASS			
PLOT ERROR FOR EACH PLOT CHARACTER :			
WIDTH = 0.061 INCHES		OR 7.70 COORDINATE UNITS	
HEIGHT = 0.083 INCHES		OR 10.58 COORDINATE UNITS	
SCALE:			
1: 5000. IF COORDINATE UNITS ARE METERS			
1: 1524. IF COORDINATE UNITS ARE FEET			

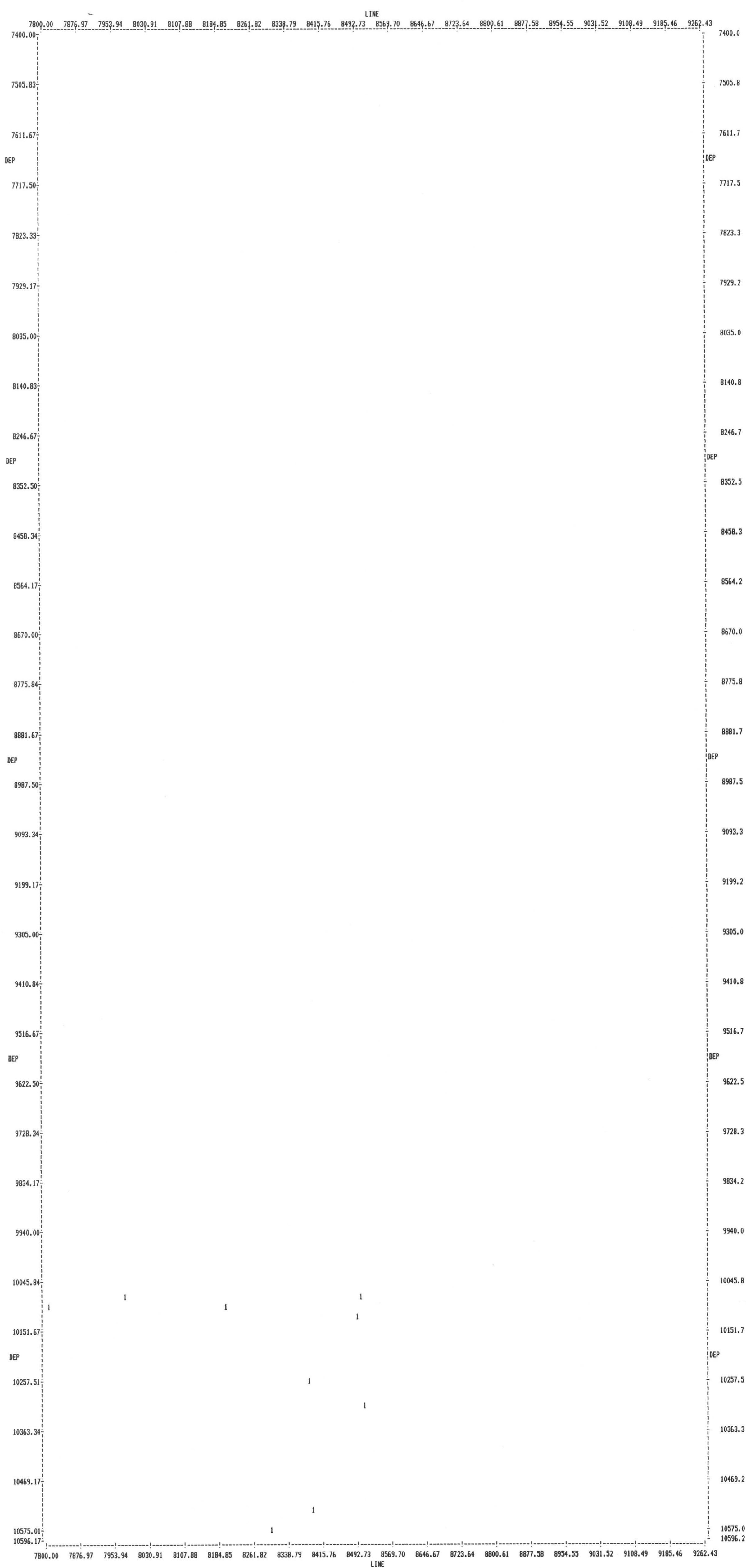


3 SAMPLES FALL AT OCCUPIED LOCATIONS ON THE PLOT.
 THE SAMPLES THAT COULD NOT BE PLOTTED BECAUSE OF COINCIDENT LOCATIONS ARE LISTED BELOW

DEP	LINE	SYMBOL	DEP	LINE	SYMBOL	DEP	LINE	SYMBOL	DEP	LINE	SYMBOL
10115.	8495.	-	10095.	8200.	1	10080.	7980.	-	0.	0.	0.

SBS2 GRID - 1988 LITHO SAMPLES

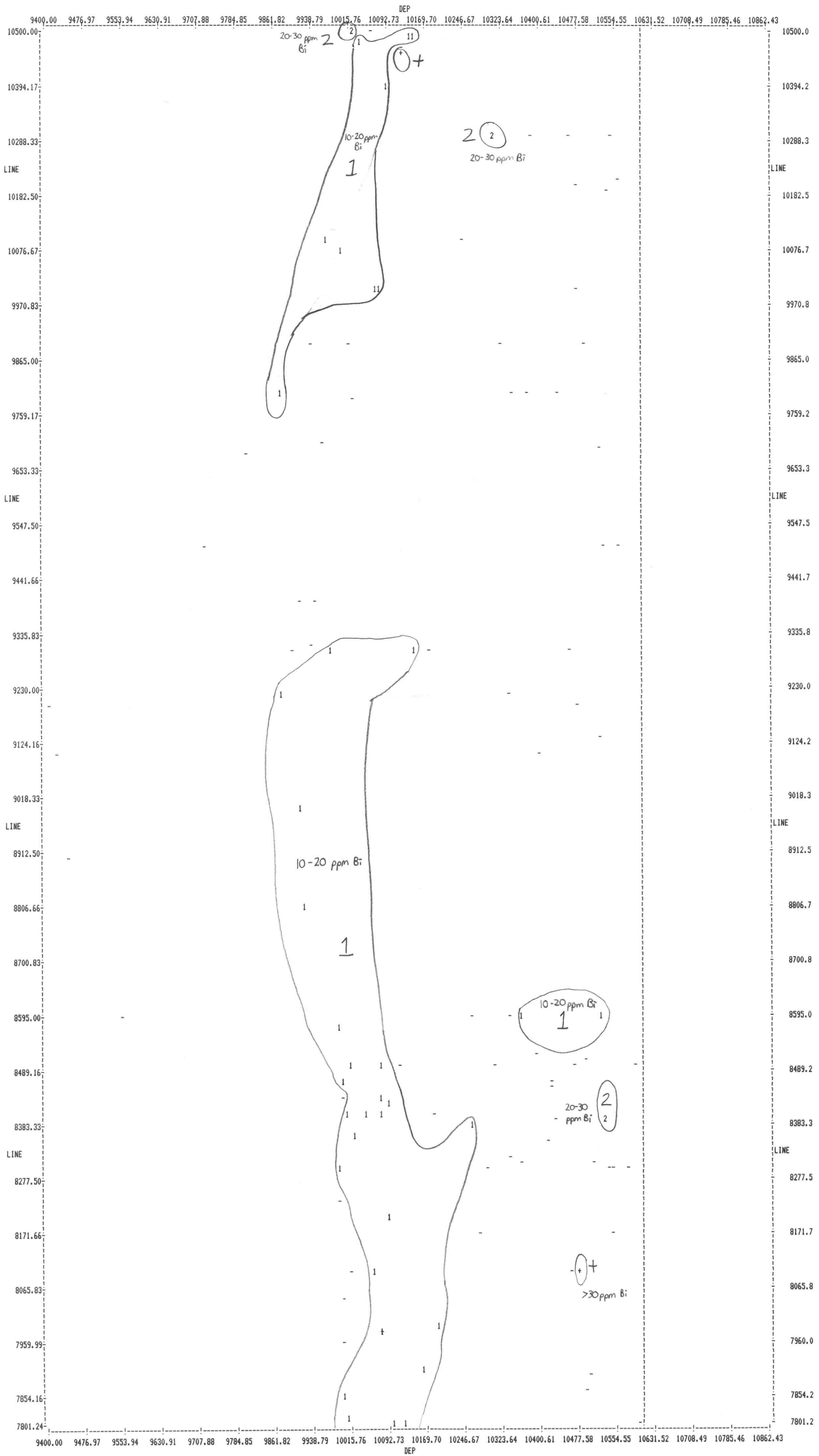
SYMBOL MAP FOR:		RTYPE	
STRIP	1	DF	2
		05-SEP-88	
LOWER BOUND	UPPER BOUND	SYMBOL	FREQUENCY
BELOW	0.000	-	0
0.000	2.900	1	13
ABOVE	2.900	+	0
VALUES THAT FALL ON A CLASS BOUND ARE ASSIGNED TO THE LOWER CLASS			
PLOT ERROR FOR EACH PLOT CHARACTER :			
WIDTH	= 0.061 INCHES	OR	7.70 COORDINATE UNITS
HEIGHT	= 0.083 INCHES	OR	10.58 COORDINATE UNITS
SCALE:	1: 5000. IF COORDINATE UNITS ARE METERS		
	1: 1524. IF COORDINATE UNITS ARE FEET		



1 SAMPLES FALL AT OCCUPIED LOCATIONS ON THE PLOT.
THE SAMPLES THAT COULD NOT BE PLOTTED BECAUSE OF COINCIDENT LOCATIONS ARE LISTED BELOW

LINE	DEP	SYMBOL	LINE	DEP	SYMBOL	LINE	DEP	SYMBOL	LINE	DEP	SYMBOL
8200.	10095.	1	0.	0.	0.	0.	0.	0.	0.	0.	0.

Basalts (mapped as 2.0).



3 SAMPLES FALL AT OCCUPIED LOCATIONS ON THE PLOT.
 THE SAMPLES THAT COULD NOT BE PLOTTED BECAUSE OF COINCIDENT LOCATIONS ARE LISTED BELOW

DEP	LINE	SYMBOL	DEP	LINE	SYMBOL	DEP	LINE	SYMBOL	DEP	LINE	SYMBOL
10115.	8495.	-	10095.	8200.	1	10080.	7980.	-	0.	0.	0.

SBS2 GRID - 1988 FIELD DATA + TR

SYMBOL MAP FOR: BI			
STRIP	1	OF	1
03-SEP-88			
LOWER BOUND	UPPER BOUND	SYMBOL	FREQUENCY
BELOW	10.000	-	71
10.000	20.000	1	38
20.000	30.000	2	3
ABOVE	30.000	+	2

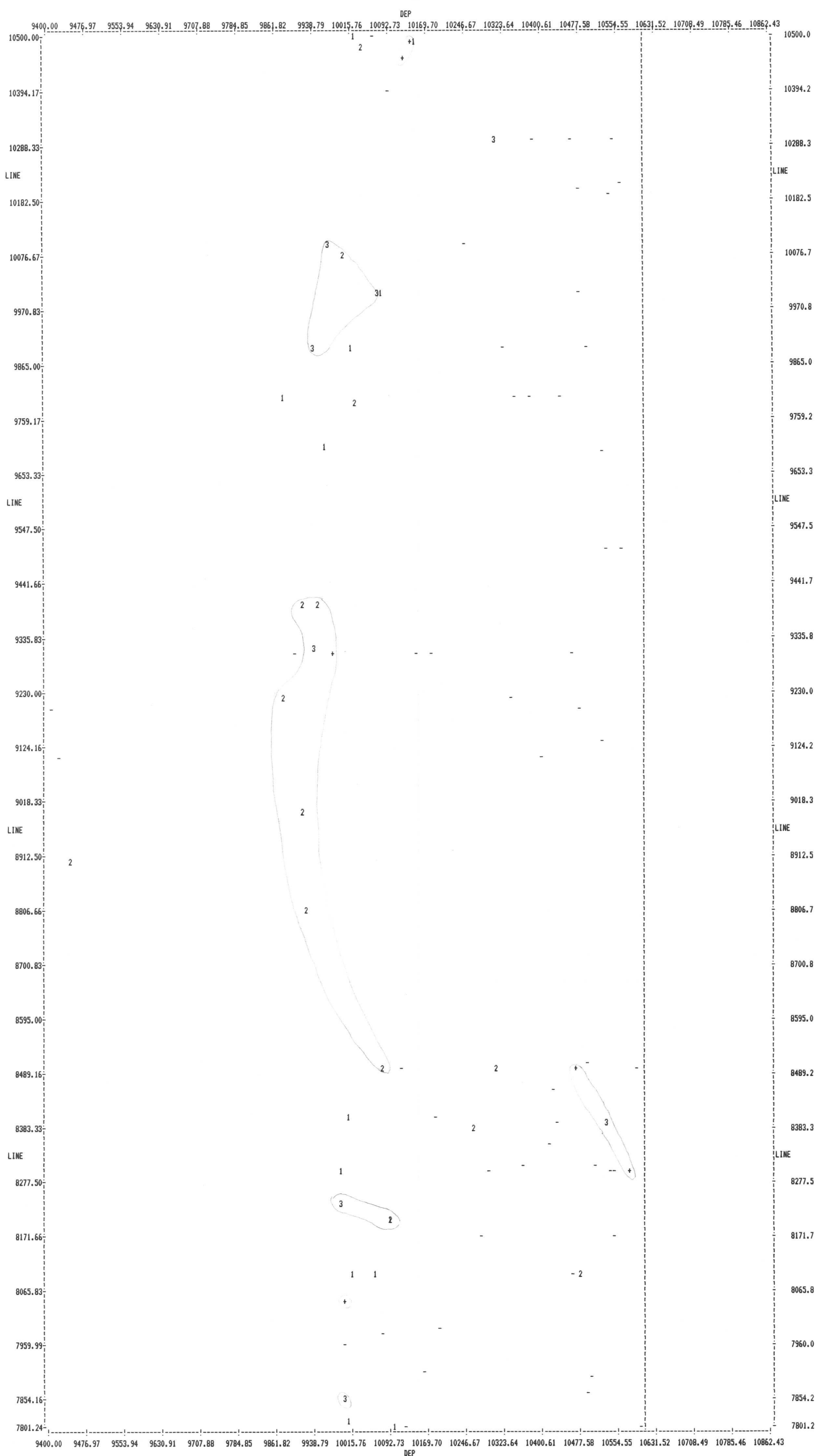
VALUES THAT FALL ON A CLASS BOUND ARE ASSIGNED TO THE LOWER CLASS

PLOT ERROR FOR EACH PLOT CHARACTER :
 WIDTH = 0.061 INCHES OR 7.70 COORDINATE UNITS
 HEIGHT = 0.083 INCHES OR 10.58 COORDINATE UNITS

SCALE:
 1: 5000. IF COORDINATE UNITS ARE METERS
 1: 1524. IF COORDINATE UNITS ARE FEET

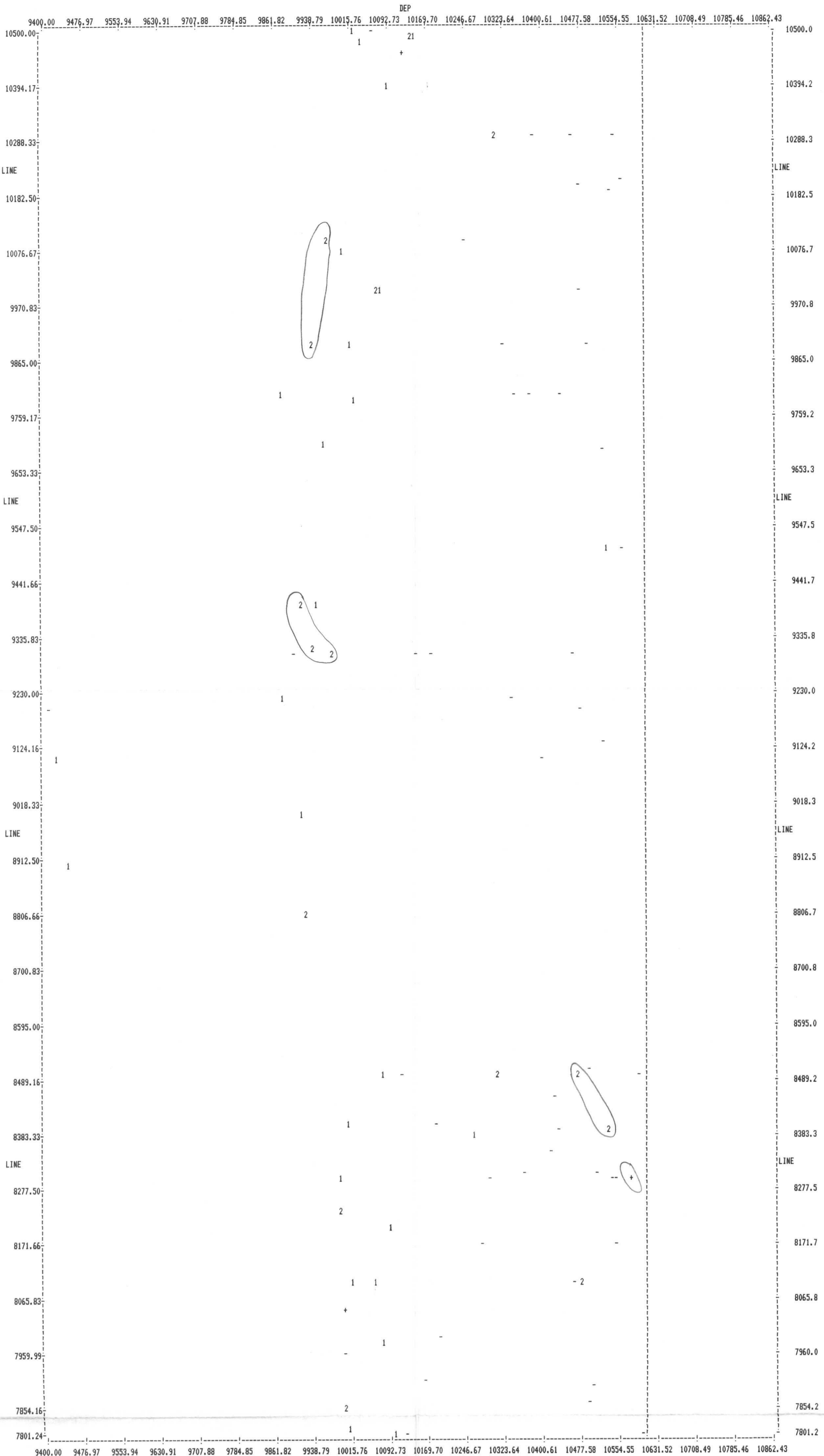
SBS2 GRID - 1988 LITHO SAMPLES

SYMBOL MAP FOR:		FE203	
STRIP	1	OF	1
			04-SEP-88
LOWER BOUND	UPPER BOUND	SYMBOL	FREQUENCY
BELOW	7.000	-	51
7.000	10.000	1	13
10.000	13.000	2	14
13.000	16.000	3	8
ABOVE	16.000	+	6
VALUES THAT FALL ON A CLASS BOUND ARE ASSIGNED TO THE LOWER CLASS			
PLOT ERROR FOR EACH PLOT CHARACTER :			
WIDTH = 0.061 INCHES		OR 7.70 COORDINATE UNITS	
HEIGHT = 0.083 INCHES		OR 10.58 COORDINATE UNITS	
SCALE:			
1:		5000. IF COORDINATE UNITS ARE METERS	
1:		1524. IF COORDINATE UNITS ARE FEET	



1 SAMPLES FALL AT OCCUPIED LOCATIONS ON THE PLOT.
 THE SAMPLES THAT COULD NOT BE PLOTTED BECAUSE OF COINCIDENT LOCATIONS ARE LISTED BELOW

DEP	LINE	SYMBOL	DEP	LINE	SYMBOL	DEP	LINE	SYMBOL	DEP	LINE	SYMBOL
10095.	8200.	2	0.	0.		0.	0.		0.	0.	



1 SAMPLES FALL AT OCCUPIED LOCATIONS ON THE PLOT.
 THE SAMPLES THAT COULD NOT BE PLOTTED BECAUSE OF COINCIDENT LOCATIONS ARE LISTED BELOW

DEP	LINE	SYMBOL	DEP	LINE	SYMBOL	DEP	LINE	SYMBOL	DEP	LINE	SYMBOL
10095.	8200.	1	0.	0.		0.	0.		0.	0.	

WE WILL NOW MAKE ANOTHER PASS THROUGH THE DATA.

THE SAME TRANSFORMATIONS AND SELECTIONS AS LAST RUN WILL BE USED IN THIS RUN.

THE MAP WILL BE 1 STRIP(S) WIDE AND 21.3 INCHES LONG.
 EASTING AXIS IS ACROSS THE PRINT OUT, NORTHING UP THE PAGE.
 MAXIMUM PLOTTING ERROR IS 6.54 COORDINATE UNITS.

• SBS2 GRID - 1988 LITHO SAMPLES

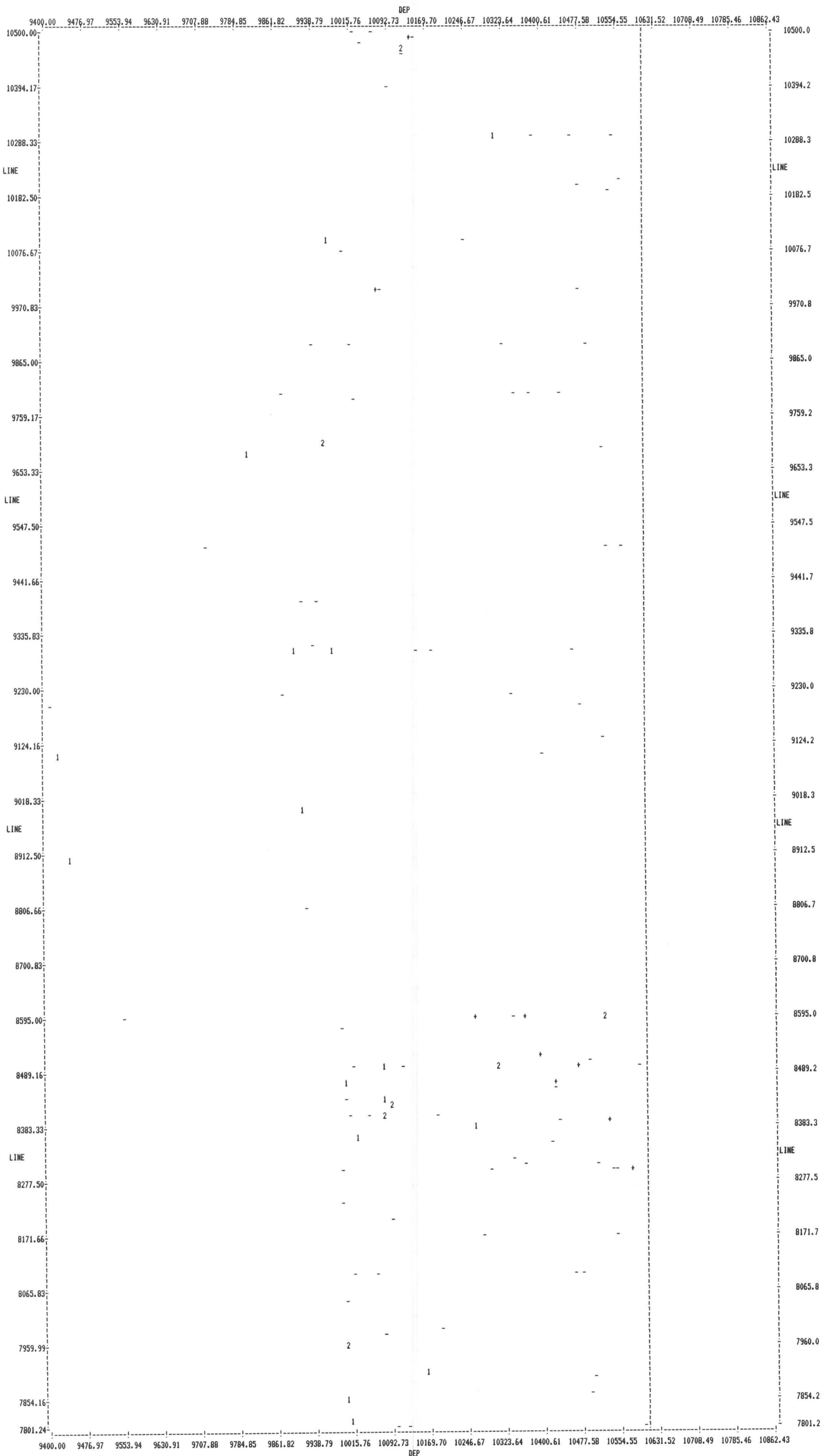
SYMBOL MAP FOR: FE203			
STRIP 1 OF 1		04-SEP-88	
LOWER BOUND	UPPER BOUND	SYMBOL	FREQUENCY
BELOW	6.000	-	47
6.000	12.000	1	27
12.000	18.000	2	15
ABOVE	18.000	+	3

VALUES THAT FALL ON A CLASS BOUND ARE ASSIGNED TO THE LOWER CLASS

PLOT ERROR FOR EACH PLOT CHARACTER :
 WIDTH = 0.061 INCHES OR 7.70 COORDINATE UNITS
 HEIGHT = 0.083 INCHES OR 10.58 COORDINATE UNITS
 SCALE:
 1: 5000. IF COORDINATE UNITS ARE METERS
 1: 1524. IF COORDINATE UNITS ARE FEET

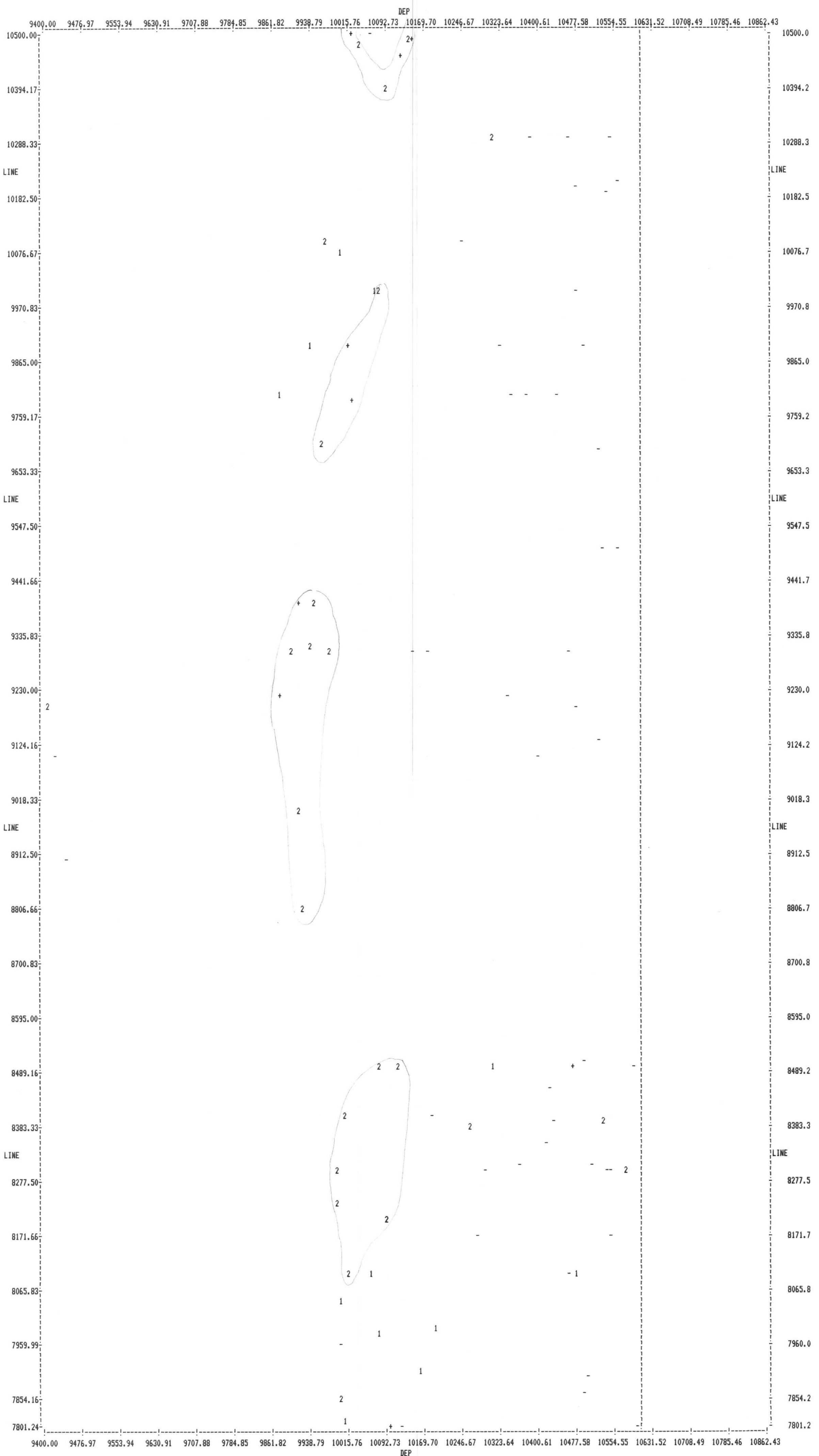
SBS2 GRID - 1988 LITHO SAMPLES

SYMBOL MAP FOR:		CU	
STRIP	1	OF	1
		04-SEP-88	
LOWER BOUND	UPPER BOUND	SYMBOL	FREQUENCY
BELOW	40.000	-	82
40.000	80.000	1	16
80.000	120.000	2	7
ABOVE	120.000	+	9
VALUES THAT FALL ON A CLASS BOUND ARE ASSIGNED TO THE LOWER CLASS			
PLOT ERROR FOR EACH PLOT CHARACTER :			
WIDTH	= 0.061 INCHES	OR	7.70 COORDINATE UNITS
HEIGHT	= 0.083 INCHES	OR	10.58 COORDINATE UNITS
SCALE:			
1:	5000. IF COORDINATE UNITS ARE METERS		
1:	1524. IF COORDINATE UNITS ARE FEET		



3 SAMPLES FALL AT OCCUPIED LOCATIONS ON THE PLOT.
THE SAMPLES THAT COULD NOT BE PLOTTED BECAUSE OF COINCIDENT LOCATIONS ARE LISTED BELOW

DEP	LINE	SYMBOL	DEP	LINE	SYMBOL	DEP	LINE	SYMBOL	DEP	LINE	SYMBOL
10115.	8495.	-	10095.	8200.	-	10080.	7980.	-	0.	0.	0.



1 SAMPLES FALL AT OCCUPIED LOCATIONS ON THE PLOT.
 THE SAMPLES THAT COULD NOT BE PLOTTED BECAUSE OF COINCIDENT LOCATIONS ARE LISTED BELOW

DEP	LINE	SYMBOL	DEP	LINE	SYMBOL	DEP	LINE	SYMBOL	DEP	LINE	SYMBOL
10095.	8200.	2	0.	0.		0.	0.		0.	0.	

SBS2 GRID - 1988 LITHO SAMPLES

SYMBOL MAP FOR: CAD			
STRIP 1 OF 1		04-SEP-88	
LOWER BOUND	UPPER BOUND	SYMBOL	FREQUENCY
BELOW	5.000	-	45
5.000	10.000	1	12
10.000	15.000	2	26
ABOVE	15.000	+	9
VALUES THAT FALL ON A CLASS BOUND ARE ASSIGNED TO THE LOWER CLASS			
PLOT ERROR FOR EACH PLOT CHARACTER :			
WIDTH = 0.061 INCHES		OR 7.70 COORDINATE UNITS	
HEIGHT = 0.083 INCHES		OR 10.58 COORDINATE UNITS	
SCALE:			
1: 5000. IF COORDINATE UNITS ARE METERS			
1: 1524. IF COORDINATE UNITS ARE FEET			

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A PROGRAM IN THE Q'GAS SYSTEM TO
PRINT A LISTING OF A DATA SET

Version 5.0.3

March 1986

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DATA TITLE: SBS2 GRID - 1988 LITHO SAMPLES

THE FOLLOWING VARIABLES ARE IN THE DATA SET:

AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	P2O5	SI02
SR	TI02	ZR	S	TOT	LINE	DEP	RTYPE	ALT1	ALT2
ALT3	ALT4	MIN1	MIN2	MIN3	MIN4	AG	AS	BI	CU
PB	SB	ZN	AU						

** THE FOLLOWING SELECTION CRITERIA WILL BE SATISFIED IN THIS RUN. **

SAMPLES WITH
RTYPE BETWEEN 1.900000 AND 2.900000
WILL BE SELECTED.

SAMPLE NO.	RTYPE	LINE	DEP	SI02	TI02	FE2O3	CAO
SBL1035	2.3	8385.	10260.	45.74	0.74	10.43	11.95
SBL1038	2.3	8395.	10530.	42.05	2.6	13.4	13.51
SBL1044	2.1	8505.	10310.	47.42	0.7	12.73	9.4
SBL1045	2.3	8495.	10115.	44.6	0.7	5.62	12.22
SBL1048	2.3	8500.	10080.	44.79	0.88	11.85	13.92
SBL4025	2.1	9500.	10530.	64.99	0.44	6.21	0.61
SBL4026	2.1	9500.	10560.	69.79	0.35	4.53	0.14
SBL4031	2.1	9800.	10350.	70.55	0.31	2.93	0.
SBL4032	2.1	9800.	10380.	70.57	0.28	1.7	1.03
SBL4033	2.1	9800.	10440.	71.04	0.3	3.2	0.34
SBL4034	2.1	9700.	10520.	70.74	0.34	2.96	0.18
SBL4038	2.1	9900.	10323.	70.09	0.3	3.	0.08
SBL4039	2.1	9900.	10490.	70.71	0.3	3.73	0.99
SBL4040	2.1	10000.	10480.	70.5	0.29	3.16	1.21
SBL4050	2.1	10300.	10310.	45.34	1.78	14.07	13.61
SBL4052	2.1	10300.	10465.	70.63	0.24	2.25	1.52
SBL4053	2.1	10300.	10550.	68.18	0.36	3.47	0.01
SBL4055	2.1	10195.	10540.	70.55	0.3	3.31	0.54
SBL4056	2.1	10200.	10475.	71.62	0.3	3.5	0.01
SBL1058	2.3	10485.	10140.	41.91	1.68	18.	13.15
SBL1063	2.1	10485.	10150.	44.68	1.36	8.91	15.94
SBL1065	2.3	10507.	10093.	47.42	1.8	9.59	12.35
SBL1006	2.1	7995.	10195.	67.22	0.51	2.3	5.64
SBL1007	2.3	7980.	10080.	47.93	1.63	6.68	9.19
SBL1015	2.3	8200.	10095.	52.59	0.73	9.77	13.3
SBL1016	2.3	8200.	10095.	46.66	0.75	10.29	12.52
SBL1017	2.1	8175.	10280.	68.37	0.41	3.54	0.12
SBL1020	2.3	8300.	10575.	42.04	0.87	23.6	11.17
SBL1023	2.1	8310.	10365.	71.04	0.31	3.27	0.04
SBL4002	2.3	7796.	10050.	54.45	0.88	6.11	6.78
SBL4003	2.3	7785.	10100.	36.16	0.82	19.24	13.68
SBL4004	2.3	7805.	10100.	46.76	1.07	8.99	16.29
SBL4005	2.3	7805.	10125.	72.54	0.64	2.83	2.57
SBL4009	2.3	9100.	10404.	70.85	0.33	4.12	0.01
SBL4012	2.3	9215.	10340.	70.43	0.31	2.56	0.86
SBL4017	2.3	9300.	10180.	71.51	0.29	2.89	0.01
SBL4018	2.1	9300.	10460.	69.07	0.29	3.14	1.62
SBT1024	2.1	8320.	10340.				
SBL1059	2.3	10450.	10135.				
SBLT062	2.1	10510.	10130.				
SBT1064	2.1	10515.	10125.				
SBT1066	2.3	10520.	10080.				

SBS
STATS.

BLANK SPACES REPRESENT NUMBERS THAT ARE MISSING OR HAVE OTHERWISE BEEN CODED AS "SPECIAL VALUES". ALL Q'GAS PROGRAMS RECOGNIZE THESE VALUES AS MISSING AND TREAT THEM