UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Stream-sediment Geochemical Survey of the Bureau of Land Management's Arkansas Canyon Planning Unit in South-central (Canon City area) Colorado

By

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INTRODUCTION

A mineral assessment study was undertaken by Barringer Resources, Inc., Golden, Colorado, on behalf of the Bureau of Land Management covering the Arkansas Canyon Planning Unit in south-central Colorado near Canon City. A total of 700 stream-sediment samples were collected (Plate I) and subsequently analyzed by Barringer Resources.

Sample Collection

Stream-sediment samples were collected on major and minor streams within the survey area at an approximate sample density of 2 samples per square mile. Samples were collected from part of the active stream, an area of about 5 square meters, during September and October, 1980, by two field crews of geologists trained in geochemical sampling techniques. The samples were sieved at the sampling site to -30 mesh, placed in wet-strength paper bags and later air dried.

Geochemical Analyses

The geochemical analyses were performed in the Barringer Resources, Inc., Wheatridge, Colorado, and Toronto, Ontario, analytical facilities. Initial sample preparation included sieving the -30 mesh field samples to -80 mesh and weighing a .25-gram subsample for each analyses technique.

Multielement analysis for specific elements: (Al, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, P, Pb, Sr, Ti, V, Zn, and Th) were done by radio-frequency induction-coupled-plasma emission (ICP). This method entails sample digestion with three acids (5 ml HNO_3 + 3 ml $HClO_4$ + 3 ml HF) heated on a hot plate for 2 hours. The sample is then taken to dryness and brought up to

20 ml volumetrically with 0.58 N HCl. This solution is aspirated into the argon plasma stream and analyzed by emission spectrometry. The data is directly entered into a computer where matrix correction and quality control checks are made.

Analyses of silver and molybdenum were done using a hot $HClO_4$ - HNO_3 digestion, which is then allowed to settle before analysis by atomic-adsorption spectroscopy using background corrections.

Uranium was analyzed fluorimetrically after digestion. A 1 N HNO_3 digestion was used for these samples. This was taken to dryness, then brought up to 10 ml volume with HNO_3, mixed, and centrifuged. A 7.5 ml saturated $Al(NO)_3$ solution plus 3 ml ethyl acetate were then added and the mixture shaken for 2 minutes. A 0.5 ml aliquot of the ethyl acetate layer was then placed into 3 g of flux on a platinum dish, and fused at 650°C for 25 minutes. These were then cooled and placed in a dessicator before reading values against standards.

In the tables following are the analytical results from this survey. Results for Al_2O_3, CaO, Fe_2O_3, MgO, TiO_2, MnO, Na_2O, K_2O, P_2O_5, and SIO_2 are given in percent while all other results shown are in ppm. Included with these results can be found standard statistics for each element. Statistics have been calculated for both raw data and for Log (10) transformed data. Location coordinates are given in reference to the mercator coordinate system.

Stream-Sediment Analytical Results

Tables 1 and 2

TABLE 1
STREAM SEDIMENT ANALYTICAL RESULTS

Sample Number	Mercator Coordinates Easting	Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
1	469407	4241056	12.76	5.89	18.36	3.96	1.74	.26	2.46	1.92	.60	.81	825.60
2	469015	4241096	14.15	4.80	13.28	3.36	1.25	.22	1.90	2.59	.42	.77	1073.00
3	468953	4240970	14.28	6.45	13.43	2.90	1.03	.17	2.17	2.47	.45	.60	1014.00
4	469335	4240403	13.53	4.25	16.85	3.14	1.71	.19	2.68	2.41	.23	1.83	1188.00
5	468943	4239632	13.91	5.20	15.09	4.64	1.79	.22	2.86	2.31	.34	3.13	1667.00
6	468643	4238898	10.90	5.56	27.54	3.09	4.39	.32	2.34	1.80	.87	1.32	1125.00
7	468104	4238876	14.57	5.87	12.11	3.60	1.60	.19	3.46	2.34	.70	1.88	1401.00
8	468174	4238964	13.54	4.55	13.20	3.54	1.71	.20	2.63	2.18	.68	1.12	1113.00
9	468901	4238643	13.04	5.11	13.66	3.74	1.48	.20	3.03	2.18	.47	1.12	1365.00
10	468987	4238155	14.60	7.37	11.59	5.81	1.25	.19	3.38	1.91	.56	1.15	964.00
11	468863	4237880	13.43	4.58	17.73	3.14	1.66	.20	2.99	2.28	.48	1.71	1244.00
12	469055	4237583	14.78	6.02	12.30	4.77	1.61	.20	3.36	2.25	.40	1.56	1262.00
13	469598	4237504	13.43	8.15	15.02	6.87	1.82	.25	3.00	1.61	.57	1.06	795.60
14	468869	4237502	13.56	5.04	17.22	3.51	1.71	.22	2.94	2.32	.62	1.56	1535.00
15	468303	4237376	14.68	3.97	11.80	3.23	1.34	.22	3.38	2.72	.25	2.39	1745.00
16	466695	4232747	14.50	5.00	11.15	3.88	1.24	.18	2.82	2.41	.31	2.52	1412.00
17	467095	4232783	14.24	4.44	11.29	4.03	1.17	.20	2.65	2.40	.37	2.00	1272.00
18	467243	4232807	14.46	5.34	12.77	5.20	1.51	.20	2.42	2.37	.45	.87	963.50
19	467751	4232852	11.47	5.80	14.52	12.48	1.32	.20	2.14	1.52	.43	2.02	1103.00
20	467807	4232639	14.89	4.81	8.92	3.78	1.05	.14	3.13	2.49	.19	2.42	1499.00
21	468001	4232314	10.08	6.96	21.61	10.51	1.98	.25	1.70	1.11	.89	.36	466.90
22	468279	4232172	14.39	4.36	9.48	3.78	1.18	.16	2.82	2.55	.30	2.14	1419.00
23	468855	4232645	14.18	6.85	12.95	4.75	1.52	.21	2.70	2.02	.39	1.75	1107.00
24	469751	4232786	12.95	7.44	17.99	4.35	2.18	.25	2.62	1.49	.82	1.75	965.40
25	469656	4233344	12.10	5.81	18.89	5.42	1.99	.24	2.41	1.75	.40	1.26	880.40
26	469920	4234020	11.91	6.37	17.72	6.29	2.27	.28	2.19	1.58	.42	.99	746.90
27	469940	4234172	14.16	6.09	10.99	5.65	1.19	.19	3.09	1.97	.30	1.78	1170.00
28	469330	4233904	14.49	6.82	7.61	5.95	.73	.15	3.31	1.97	.18	1.20	899.20
29	469229	4234012	14.99	3.12	11.28	2.06	1.69	.25	4.77	3.52	.56	1.58	1440.00
30	470291	4234536	12.96	6.86	11.11	9.14	.94	.21	2.61	1.61	.33	1.14	800.50
31	470556	4234372	14.99	6.85	11.08	5.85	1.18	.20	3.12	1.98	.36	3.10	1600.00
32	470930	4234326	11.07	5.20	25.06	4.98	2.79	.29	2.13	1.64	.35	1.03	745.30
33	471151	4233620	13.99	3.87	8.92	3.30	1.14	.16	2.45	2.74	.21	1.62	1207.00
34	471023	4233647	13.73	5.84	12.61	3.87	1.53	.20	2.88	2.31	.36	1.59	1139.00
35	470657	4233212	14.03	3.67	13.94	2.24	1.75	.18	2.88	2.70	.20	1.23	1142.00
36	471288	4232668	14.15	3.73	9.53	3.52	.96	.15	2.62	2.85	.19	1.55	1195.00
37	466687	4233340	13.57	4.54	13.86	5.30	1.24	.27	2.69	2.26	.32	1.95	1265.00
38	467143	4233626	13.56	4.34	12.20	3.41	1.48	.22	3.00	2.36	.27	1.58	1193.00

TABLE 1 CONTINUED

Sample Number	Mercator Coordinates Easting	Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
39	467117	4234004	14.31	4.59	8.73	2.97	1.03	.14	3.37	2.51	.29	1.38	1173.00
40	467471	4234334	14.55	3.44	10.30	2.28	1.26	.29	4.36	3.11	.35	1.71	1305.00
41	467151	4234906	12.79	3.55	13.00	2.59	1.61	.31	4.09	2.46	.26	1.20	816.20
42	467212	4235012	14.68	1.68	7.57	.99	.70	.22	4.95	3.37	.10	1.51	877.40
43	468383	4234087	13.33	4.03	13.93	2.64	2.23	.35	3.31	2.81	.55	1.86	1372.00
44	468221	4234120	12.03	4.47	19.88	3.86	1.99	.24	2.49	2.13	.30	.61	820.90
45	468242	4234469	14.04	4.66	8.27	3.68	.92	.18	3.03	2.72	.25	.89	1037.00
46	468104	4234584	13.53	3.23	15.40	1.10	1.07	.46	4.12	3.37	.17	.69	705.20
47	468568	4234790	13.10	3.84	14.63	1.54	1.64	.42	4.12	3.28	.32	.86	957.40
48	467791	4235508	13.33	4.17	11.84	2.09	2.13	.31	3.98	2.63	.53	.83	809.00
49	467791	4235644	12.78	6.53	13.00	3.51	2.20	.32	3.76	1.83	1.07	.65	725.30
50	468799	4235340	12.36	3.74	13.55	2.01	2.13	.36	3.72	2.64	.43	1.34	956.80
51	469326	4235400	10.89	4.75	24.05	3.45	2.37	.30	2.55	1.94	.35	.41	904.80
52	469415	4235432	13.13	4.00	13.73	3.28	1.39	.20	2.59	2.36	.32	1.67	1194.00
53	469391	4235692	14.03	5.80	10.21	5.47	1.12	.20	3.22	2.20	.32	1.52	1177.00
54	469040	4236309	13.67	2.21	9.33	1.57	.88	.30	4.59	2.92	.19	1.33	881.50
55	469047	4236548	13.94	4.42	9.42	3.07	1.14	.16	3.12	2.53	.31	1.24	1100.00
56	469063	4237100	14.64	5.32	8.33	3.30	.94	.15	3.62	2.41	.32	1.71	1365.00
57	465951	4232992	12.56	6.24	14.04	5.77	1.08	.21	2.42	1.93	.29	3.34	1679.00
58	471439	4238489	10.59	5.69	27.91	3.83	2.87	.20	1.90	1.42	.35	.85	650.70
59	471526	4238596	13.91	5.36	9.63	3.50	1.09	.15	3.18	2.22	.40	.72	1000.00
60	470495	4238340	13.42	4.70	17.62	3.14	1.88	.24	3.33	2.05	.56	.94	917.70
61	470583	4238284	14.92	6.83	9.27	4.02	.89	.16	3.69	2.17	.38	1.54	1238.00
62	469759	4238192	15.51	5.02	8.51	3.50	.94	.16	4.07	2.28	.29	1.54	1161.00
63	469868	4238104	13.56	5.48	9.38	3.50	1.03	.16	3.10	2.14	.34	.55	889.70
64	469488	4237028	14.34	5.93	12.42	3.98	1.31	.20	3.71	2.30	.37	3.04	1721.00
65	469727	4236812	14.22	7.37	9.29	3.72	.90	.18	3.71	2.17	.28	1.18	1169.00
66	470015	4236658	13.67	6.69	12.31	5.55	1.31	.21	3.29	2.18	.51	2.04	1353.00
67	470227	4236600	12.72	5.30	14.82	3.50	1.71	.22	2.92	2.11	.29	.65	931.60
68	470631	4236274	13.18	4.78	13.37	3.03	1.55	.20	3.24	2.20	.24	.56	922.10
69	470831	4236348	11.69	4.80	17.02	3.25	2.01	.23	2.76	1.89	.29	1.25	1123.00
70	471071	4236792	13.41	4.87	10.96	2.83	1.34	.19	3.55	2.04	.24	1.01	951.00
71	471666	4250336	10.71	5.47	21.56	2.91	3.26	.23	2.16	1.80	.98	.86	861.40
72	471351	4250238	9.40	3.12	2.47	1.30	.35	.05	.94	2.21	.08	.97	738.50
73	471119	4249973	12.79	3.09	12.73	2.00	1.13	.16	2.47	2.56	.48	.55	633.90
74	471320	4249684	13.02	2.16	8.92	1.74	1.01	.12	2.29	2.35	.21	.86	561.50
75	471640	4249159	11.20	1.72	17.42	1.20	1.69	.12	1.99	1.87	.16	1.17	420.70
76	471773	4249220	10.69	3.84	19.48	1.96	3.30	.17	1.29	2.05	.55	.87	1063.00
77	470939	4249568	14.07	3.98	7.05	3.05	1.05	.11	2.47	2.30	.41	.90	593.00
78	470638	4249068	13.41	4.49	8.16	3.53	1.00	.15	2.67	2.16	.35	.59	793.30
79	470255	4248958	13.00	3.22	8.24	2.95	.99	.14	2.66	2.28	.26	1.04	657.50

TABLE 1 CONTINUED

Sample Number	Mercator Coordinates Easting	Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
80	469936	4248326	15.18	2.54	9.27	2.85	1.05	.15	2.42	2.71	.23	2.23	582.30
81	469258	4247396	12.73	3.40	10.69	2.12	1.54	.17	2.70	2.60	.30	1.01	592.80
82	468979	4247431	13.74	3.31	8.97	2.35	1.27	.16	2.98	2.85	.34	.38	688.30
83	468503	4247592	13.14	4.90	11.13	3.28	1.48	.19	2.78	2.04	.26	.42	559.60
84	468901	4248052	14.02	3.11	8.93	3.08	1.02	.14	2.55	2.56	.29	.70	624.40
85	468589	4247856	13.62	5.65	12.17	3.65	1.71	.21	2.27	1.93	.27	.77	536.10
86	469199	4246998	13.78	4.14	13.14	2.70	1.43	.19	2.59	2.94	.59	.85	725.40
87	470199	4241635	14.74	2.98	16.00	3.63	1.26	.21	2.47	2.87	.33	2.20	845.90
88	470039	4241978	15.07	4.12	8.87	4.19	1.18	.16	3.32	3.11	.45	3.02	1022.00
89	470687	4243388	14.03	4.87	9.54	4.25	1.05	.15	2.61	2.61	.36	3.05	765.40
90	468950	4246732	14.71	3.22	9.89	2.63	1.29	.17	2.67	2.83	.26	1.04	840.40
91	468719	4246340	14.31	3.66	9.46	2.59	1.12	.16	2.66	2.55	.26	1.08	721.30
92	468422	4245504	6.31	5.17	53.93	3.01	9.67	.46	.85	.85	.52	.23	289.50
93	468839	4245896	12.46	7.35	17.55	3.22	2.16	.19	3.04	2.05	.41	.27	662.20
94	469002	4245960	14.90	3.63	10.21	2.57	1.30	.19	2.87	2.79	.38	.41	757.40
95	470959	4243501	14.35	4.32	8.93	2.48	1.09	.13	2.87	3.12	.27	.53	866.00
96	470519	4244137	13.27	2.54	22.79	1.76	1.96	.15	2.15	2.73	.41	.39	748.50
97	470287	4244544	12.26	6.51	22.71	3.43	3.01	.26	2.48	1.99	1.22	1.38	686.80
98	469597	4244739	15.02	5.15	9.76	3.76	1.14	.17	3.45	2.71	.40	1.89	744.40
99	469535	4244295	14.99	4.46	9.16	3.43	1.17	.15	3.10	2.91	.31	2.40	754.50
100	469799	4244833	13.95	5.13	13.14	3.96	1.66	.24	2.49	2.54	.51	1.44	628.10
101	470961	4240576	13.47	4.28	9.67	3.17	1.44	.15	2.26	2.95	.52	.75	721.60
102	471191	4240145	13.93	3.08	9.99	1.08	1.03	.28	3.35	2.91	.28	.41	598.50
103	471431	4240168	8.52	4.36	43.28	2.67	8.17	.29	1.38	1.33	.94	.27	387.90
104	471971	4239840	14.34	5.75	8.03	3.04	1.14	.14	3.23	2.54	.61	.27	638.60
105	471975	4239494	14.36	3.96	7.41	2.83	.91	.14	3.07	2.55	.22	.79	767.50
106	472791	4239188	12.86	5.12	16.55	3.01	1.89	.16	2.84	2.18	.34	.13	588.50
107	469813	4239487	13.39	4.02	11.73	2.89	1.48	.18	2.48	2.45	.27	.34	721.70
108	470415	4239336	12.37	4.35	12.37	3.10	1.52	.20	2.28	2.31	.38	.16	579.50
109	470375	4239116	13.56	4.35	11.75	3.40	1.11	.18	3.21	2.23	.28	3.29	552.80
110	471023	4238986	12.88	4.24	13.78	2.99	1.33	.21	2.84	2.14	.27	.22	533.90
111	471774	4238696	13.12	5.37	12.10	3.48	1.32	.17	3.39	2.10	.47	3.70	841.60
112	466560	4237236	13.48	3.25	8.96	2.35	1.27	.19	3.62	2.83	.35	1.85	678.40
113	466535	4237751	12.45	6.51	19.58	3.40	2.82	.25	2.99	1.93	.99	1.43	616.20
114	466719	4236272	12.25	4.58	10.42	3.18	1.21	.22	3.66	2.24	.48	.74	503.30
115	467414	4235964	13.14	1.35	5.74	.74	.52	.16	4.26	2.99	.09	1.26	419.10
116	466879	4235560	12.15	4.22	10.60	5.45	.69	.28	4.17	2.21	.15	5.75	304.10
117	466847	4234940	11.38	5.40	11.70	4.19	.99	.21	2.68	1.19	.22	.25	427.90
118	466589	4234672	11.95	4.08	17.36	3.56	1.29	.24	2.56	2.33	.21	1.85	691.20
119	466127	4234532	12.51	4.90	14.04	3.64	1.58	.22	2.75	2.28	.47	2.06	570.70
120	466173	4235115	12.54	5.89	14.53	3.37	1.61	.21	2.34	1.99	.94	1.82	591.60

TABLE 1 CONTINUED

Sample Number	Mercator Coordinates Easting	Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
121	466023	4236498	13.13	3.30	11.02	1.85	1.66	.25	3.58	3.00	.32	1.23	648.20
122	465524	4235798	13.90	2.67	6.67	2.04	.81	.14	3.59	3.25	.24	1.55	745.30
123	465329	4234987	13.38	3.30	7.12	2.57	.92	.15	2.99	2.83	.24	2.38	733.60
124	465000	4234100	10.16	3.45	31.14	2.92	2.17	.28	2.09	1.76	.27	2.07	431.20
125	465310	4234016	12.59	6.47	13.84	5.45	1.59	.23	2.70	1.85	.62	1.50	501.50
126	465830	4233982	13.02	3.31	6.43	2.95	.81	.14	2.98	2.76	.16	2.10	678.30
127	464439	4233895	14.09	3.26	8.39	2.94	1.07	.17	2.86	3.29	.40	2.20	953.40
128	464989	4233302	12.19	5.23	17.85	3.58	2.07	.30	3.02	2.14	.69	.60	600.70
129	463894	4234628	12.38	3.10	16.76	2.33	1.24	.18	2.38	2.58	.23	.69	677.80
130	463847	4234920	14.17	4.23	8.39	2.88	.84	.17	3.35	2.69	.38	.47	721.60
131	463439	4235138	13.24	3.39	9.63	2.06	1.03	.13	3.06	2.81	.26	1.09	742.10
132	461878	4235743	12.79	6.12	10.31	3.46	1.32	.18	3.15	2.30	.45	1.93	584.70
133	461782	4235623	12.33	6.06	11.57	3.17	1.33	.17	2.91	2.33	.48	1.86	638.70
134	464383	4236774	12.67	4.45	13.37	3.19	1.11	.19	2.75	2.35	.38	1.33	602.40
135	464519	4236774	7.97	3.29	45.07	2.27	2.05	.23	1.58	1.44	.47	.68	372.00
136	464922	4236968	12.27	4.21	15.66	2.75	1.73	.20	2.89	2.41	.42	2.84	650.80
137	464992	4237056	11.65	4.93	19.33	3.12	2.29	.25	2.48	2.05	.70	.52	573.40
138	465479	4237508	13.52	5.46	13.28	3.07	1.95	.20	3.14	2.41	.72	1.70	719.40
139	464976	4242788	14.36	3.76	12.53	1.37	1.63	.15	3.78	2.56	.44	1.64	928.60
140	464963	4242680	14.09	4.77	5.59	1.69	.81	.10	3.14	2.85	.23	1.58	827.10
141	466103	4242696	12.65	7.56	14.08	4.62	1.64	.23	2.66	2.06	.84	1.10	541.10
142	466322	4242068	11.97	5.72	20.28	3.61	1.94	.24	2.86	1.91	.28	1.56	751.20
143	466088	4242135	12.37	5.75	18.22	3.54	2.14	.24	2.77	2.11	.52	1.79	547.30
144	465871	4242256	10.11	6.34	28.61	3.88	3.12	.29	1.91	1.74	.83	.66	498.30
145	466924	4243106	11.07	6.45	25.24	5.87	2.93	.24	1.99	1.69	1.10	1.68	596.80
146	466695	4243176	9.05	6.60	30.21	4.19	2.23	.26	1.62	1.39	.89	.64	472.40
147	466391	4243109	13.50	6.40	11.64	4.10	1.36	.20	3.03	2.28	.59	2.11	675.30
148	466127	4243244	12.07	7.34	14.14	3.17	1.52	.25	3.08	2.29	1.00	1.68	763.90
149	465839	4243700	13.66	4.69	9.99	2.73	1.16	.21	3.44	2.37	.32	1.58	657.40
150	465351	4244098	13.13	4.59	7.85	2.78	1.04	.15	2.73	2.64	.28	2.03	657.00
151	465343	4243856	12.64	3.17	20.58	1.45	3.17	.25	2.93	2.03	.36	3.31	598.00
152	464375	4243996	11.51	6.31	8.63	3.77	1.08	.15	2.19	1.53	.30	.94	401.50
153	463223	4243762	8.89	8.62	32.15	4.01	6.66	.26	1.10	.76	1.77	1.14	272.10
154	463487	4244236	14.24	8.34	7.32	4.25	.94	.12	2.86	1.57	.71	2.99	498.00
155	467576	4241796	13.06	4.59	10.24	4.20	1.00	.20	2.34	2.25	.25	.53	539.70
156	467494	4241879	13.52	5.99	9.84	4.15	1.01	.18	3.15	2.08	.21	1.63	521.90
157	467899	4242834	11.83	5.53	12.29	5.46	1.20	.19	2.50	2.04	.46	3.22	585.20
158	468493	4242501	13.78	4.96	9.87	3.98	1.15	.17	3.36	2.48	.46	3.91	712.50
159	468375	4242438	13.46	5.14	9.84	3.96	1.07	.20	3.00	2.29	.21	3.10	544.40
160	468916	4242224	11.73	5.67	11.35	6.86	1.12	.23	2.33	1.91	.42	2.23	449.20
161	469277	4242116	12.46	6.27	11.96	6.18	1.34	.21	2.67	2.03	.47	2.96	517.70

TABLE 1 CONTINUED

Sample Number	Mercator Coordinates Easting	Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
162	469359	4242255	12.42	5.25	12.96	4.82	1.44	.20	2.60	2.38	.50	3.47	740.70
163	469829	4242212	12.28	4.23	10.51	5.14	1.40	.16	2.17	2.71	.78	2.68	823.90
164	469931	4242244	13.40	5.05	10.50	4.07	1.38	.19	2.74	2.67	.85	1.48	787.70
165	468399	4241144	13.06	4.73	13.75	3.53	1.83	.21	2.63	2.48	.62	5.32	602.80
166	468095	4241340	13.05	5.62	10.76	5.18	1.17	.18	2.24	2.33	.29	2.39	621.90
167	467791	4240958	11.74	4.63	22.72	3.34	2.10	.25	2.07	2.01	.66	.21	617.60
168	467727	4241052	12.95	5.72	15.20	4.02	1.54	.21	2.63	2.19	.60	1.46	571.70
169	467559	4241536	13.82	5.51	10.60	3.86	1.12	.20	3.07	2.34	.28	.90	733.60
170	466855	4241716	13.28	5.14	10.96	3.85	1.20	.18	2.59	2.31	.23	.95	611.70
171	462575	4244603	13.96	9.21	11.05	7.56	1.72	.14	1.76	1.03	.24	2.82	323.00
172	462175	4244764	15.35	8.03	7.81	4.01	1.15	.11	1.88	1.51	.15	2.06	388.40
173	461727	4244982	10.57	8.69	11.59	10.62	1.41	.15	1.50	1.06	.13	2.03	312.00
174	461470	4245028	9.98	8.63	9.37	10.55	1.16	.14	1.64	1.43	.15	1.09	402.10
175	462750	4237450	13.32	4.79	10.24	2.95	1.03	.16	3.06	2.46	.33	.80	599.80
176	462978	4237455	10.71	3.59	22.26	2.18	2.43	.20	1.99	2.28	.38	.84	595.50
177	463587	4237502	13.15	3.35	10.98	2.45	1.32	.17	2.65	2.72	.33	1.79	708.50
178	463898	4237568	12.30	5.11	18.31	2.93	2.24	.24	2.74	2.26	.82	.61	717.90
179	464197	4237580	12.03	4.54	16.09	2.93	1.80	.19	2.71	2.35	.59	4.27	609.50
180	464508	4237724	12.73	5.57	12.81	3.14	1.74	.19	3.01	2.25	.75	.37	639.20
181	464695	4237996	10.28	5.51	25.21	3.06	3.61	.31	2.12	1.76	.79	.07	473.70
182	464631	4238130	9.21	5.23	33.14	3.73	4.66	.37	1.88	1.43	.60	.17	426.10
183	463813	4238147	10.70	7.89	19.36	5.85	2.02	.26	2.11	1.77	1.01	.50	503.00
184	463651	4238592	12.58	5.49	14.33	3.48	1.96	.20	2.92	2.32	.61	1.15	615.80
185	462815	4239116	14.12	4.19	7.75	2.89	1.02	.14	3.24	2.82	.40	1.53	795.60
186	466173	4239356	13.14	3.93	12.96	3.20	1.91	.24	2.43	2.62	.42	1.24	664.10
187	467007	4238813	13.80	4.05	11.67	2.91	1.61	.22	3.14	2.60	.28	1.01	687.50
188	467119	4238860	13.08	4.85	15.58	3.78	2.11	.27	2.58	2.33	.27	.61	603.30
189	467695	4240336	13.43	3.35	14.22	2.95	1.38	.19	2.17	2.60	.38	.85	684.40
190	466951	4240151	15.17	5.05	9.10	2.92	.96	.17	3.58	2.23	.20	1.10	1843.00
191	466759	4240736	11.78	4.76	24.15	3.49	1.73	.26	2.27	1.98	.67	.95	556.70
192	465831	4241020	12.64	4.91	14.78	3.31	1.36	.18	2.59	2.37	.38	1.27	555.70
193	465095	4240708	12.43	4.01	15.58	2.96	1.31	.17	2.41	2.52	.29	1.09	626.20
194	465567	4240208	13.82	3.67	9.88	2.69	1.43	.14	2.76	2.91	.38	1.41	759.00
195	463305	4245364	13.61	3.13	9.00	3.00	1.26	.15	2.47	2.71	.38	1.67	662.30
196	462862	4245635	12.64	8.30	17.13	6.91	2.36	.23	2.02	1.00	.30	1.49	314.40
197	462946	4245780	13.36	4.29	12.67	3.97	1.77	.21	2.57	1.96	.27	1.82	566.30
198	463823	4246219	12.61	4.18	9.56	3.26	1.40	.17	2.34	2.26	.23	1.11	522.80
199	463995	4246212	11.97	5.88	10.54	3.17	1.20	.18	1.93	2.04	.24	.91	463.60
200	464431	4245968	13.05	5.51	7.68	3.04	.94	.15	2.62	2.18	.18	1.75	491.80
201	464664	4245821	9.33	5.79	32.15	2.88	2.32	.36	1.42	1.29	.25	.35	281.80
202	464950	4245952	13.11	4.75	9.17	3.44	1.20	.20	2.54	2.17	.21	1.56	522.90

TABLE 1 CONTINUED

Sample Number	Mercator Easting	Coordinates Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
203	465635	4245859	13.05	3.71	9.14	3.33	1.30	.18	2.01	2.37	.32	1.13	554.50
204	466502	4245668	12.67	4.67	8.87	3.24	1.14	.17	2.19	2.46	.23	1.35	557.80
205	466872	4244876	12.42	7.86	9.02	3.06	1.35	.15	2.71	2.31	.38	.28	683.00
206	466981	4245211	12.71	5.92	10.14	3.41	1.31	.20	2.61	2.06	.24	.60	479.10
207	467310	4245004	12.43	4.30	11.13	3.11	1.45	.20	2.65	2.38	.36	.77	615.80
208	466335	4245176	8.76	15.90	6.29	2.87	.78	.17	1.49	1.48	.21	.37	465.80
209	465996	4244792	10.23	5.52	29.21	3.66	4.20	.31	1.89	1.37	.51	.33	461.20
210	464657	4244591	11.80	8.03	10.64	3.49	1.49	.18	2.12	2.00	.23	.90	448.80
211	464487	4244826	13.00	4.94	11.66	3.32	1.71	.20	2.55	2.03	.25	.64	478.00
212	464315	4244624	12.93	5.96	11.91	3.44	1.54	.22	2.65	1.85	.22	.63	413.90
213	462861	4243314	14.17	5.42	8.14	3.80	1.60	.17	2.93	2.74	.57	.97	1087.00
214	463314	4242720	13.29	3.97	19.36	2.02	2.64	.23	2.52	2.14	.46	.55	816.70
215	461095	4245524	10.64	7.26	19.45	11.08	2.34	.20	1.64	.86	.20	2.48	328.40
216	459471	4246276	13.47	3.88	10.05	2.08	1.50	.16	2.95	2.81	.44	.52	854.40
217	459570	4246498	13.10	4.22	10.67	1.88	2.07	.20	3.17	3.17	1.04	5.89	2720.00
218	460295	4246760	15.12	6.25	8.03	3.26	1.35	.13	2.58	2.14	.37	3.19	1653.00
219	460543	4247158	12.86	7.88	9.50	6.15	1.47	.15	2.52	1.64	.50	5.66	2352.00
220	459111	4247300	13.56	4.89	10.69	2.31	2.04	.17	3.62	2.66	.94	5.88	2714.00
221	460015	4248344	11.74	5.90	18.79	3.43	2.67	.23	2.70	1.97	.67	2.44	1327.00
222	460471	4248591	13.44	4.06	6.34	2.49	.80	.12	2.69	2.02	.20	2.18	1267.00
223	459535	4249688	11.98	7.40	10.08	7.92	.80	.19	2.13	1.53	.15	2.80	1272.00
224	459711	4249768	12.85	4.54	7.02	2.68	.74	.14	2.91	2.15	.14	1.93	1196.00
225	459563	4249465	12.11	5.19	14.88	3.49	1.51	.17	2.95	2.11	.17	1.93	1151.00
226	462079	4251580	13.88	2.77	7.36	2.43	1.14	.12	2.78	2.48	.21	2.65	1575.00
227	462951	4250916	11.49	3.53	21.98	2.83	4.11	.31	1.88	1.84	.26	1.13	793.90
228	462931	4250724	12.73	2.39	11.94	2.40	1.69	.19	1.72	2.38	.17	2.65	1420.00
229	462854	4250632	11.32	3.42	12.21	2.06	1.51	.18	2.07	1.90	.19	1.43	909.20
230	462383	4250240	12.19	3.70	10.49	2.36	1.34	.16	2.39	2.22	.19	2.08	1213.00
231	462533	4249980	12.82	2.40	6.46	1.74	.81	.12	2.03	2.31	.13	1.75	1089.00
232	462399	4249840	12.83	3.75	6.28	2.24	.83	.13	2.59	1.99	.15	1.71	1061.00
233	464159	4251448	13.00	4.00	8.65	2.78	1.15	.17	2.55	2.16	.24	2.36	1236.00
234	464274	4251540	12.99	3.36	12.16	3.14	1.83	.20	2.73	2.01	.24	1.69	1110.00
235	463877	4251944	13.46	2.64	6.01	2.47	.87	.12	2.84	2.49	.19	2.35	1410.00
236	466887	4246638	14.11	5.29	11.06	3.60	1.64	.17	2.66	1.81	.20	3.04	1470.00
237	466335	4247301	13.33	3.63	7.03	2.70	.98	.13	2.43	2.47	.21	2.80	1473.00
238	466258	4247244	13.33	3.60	8.34	2.95	1.10	.20	2.40	2.55	.22	5.08	2283.00
239	466551	4246602	13.68	2.97	7.14	3.07	.95	.13	2.55	2.64	.18	2.57	1462.00
240	461743	4248140	12.93	5.78	15.78	3.30	2.27	.25	2.77	1.76	.58	2.53	1449.00
241	461647	4248020	13.64	2.72	5.32	1.80	.83	.11	2.56	2.85	.18	2.29	1400.00
242	461519	4248176	13.90	4.03	6.53	2.62	.93	.13	2.58	2.70	.18	2.93	1523.00
243	462703	4248204	13.58	4.30	10.85	3.14	1.77	.19	2.73	2.16	.23	2.35	1320.00

TABLE 1 CONTINUED

Sample Number	Mercator Coordinates Easting	Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
244	463023	4248068	13.09	4.02	11.56	2.94	1.36	.20	2.28	2.21	.20	2.54	1343.00
245	463063	4248119	13.49	2.80	10.39	2.52	1.30	.16	2.44	2.50	.21	2.56	1422.00
246	461671	4246680	12.89	9.02	8.34	6.83	1.14	.13	2.17	1.53	.29	4.59	1905.00
247	461631	4246758	11.03	11.65	8.32	8.10	1.21	.14	2.32	1.27	1.12	5.35	2039.00
248	461519	4246816	10.24	10.11	12.80	7.75	1.97	.17	1.70	1.11	.38	2.12	988.50
249	462902	4239440	13.33	5.54	9.21	4.01	1.21	.16	2.81	2.28	.58	2.75	1511.00
250	463471	4240248	8.73	3.98	38.14	2.78	3.67	.29	1.71	1.60	.66	1.66	1022.00
251	463655	4240488	12.84	4.54	11.03	3.69	1.24	.16	2.61	2.44	.35	2.89	1537.00
252	465174	4239836	10.31	3.78	28.11	2.66	3.92	.35	2.26	2.01	.51	3.85	1777.00
253	465211	4239680	12.85	3.81	12.16	2.96	1.81	.20	2.57	2.49	.46	2.36	1421.00
254	464983	4239656	11.68	4.70	18.66	3.29	2.54	.23	2.64	2.23	.75	2.64	1582.00
255	463583	4241348	12.09	5.69	15.33	5.06	1.72	.22	2.39	2.02	.52	2.54	1480.00
256	464591	4242055	13.48	5.97	8.90	5.05	1.00	.17	3.00	2.24	.33	2.81	1464.00
257	465383	4258789	10.57	3.94	27.98	1.73	2.60	.20	1.56	2.09	.55	2.34	1248.00
258	464840	4258184	12.60	2.28	24.38	1.95	2.19	.16	1.69	1.85	.21	3.04	1361.00
259	465055	4258076	14.45	2.75	10.25	2.77	1.17	.14	2.04	2.29	.24	4.38	1846.00
260	465359	4258060	13.00	7.16	8.47	2.78	1.01	.14	2.15	2.55	.20	2.37	1259.00
261	464610	4256962	13.79	3.77	11.00	2.46	1.42	.19	2.62	2.28	.32	2.36	1323.00
262	464670	4256283	12.16	5.51	14.43	3.29	2.60	.28	2.70	1.95	.22	3.18	1398.00
263	464423	4256088	13.54	4.47	10.82	3.27	1.60	.22	2.80	2.14	.22	2.25	1248.00
264	464479	4256005	12.86	6.70	13.36	3.46	2.10	.27	2.92	1.57	.24	1.66	839.70
265	464126	4255424	14.59	5.23	10.13	3.42	1.25	.18	3.18	2.27	.25	2.88	1374.00
266	464727	4255192	11.82	6.64	9.30	2.73	1.26	.27	2.45	1.95	.36	1.79	1021.00
267	464879	4256220	11.16	5.80	19.31	3.07	3.51	.44	2.15	1.81	.28	2.38	1135.00
268	464961	4256262	13.09	3.56	9.47	2.45	1.07	.24	2.56	2.29	.18	2.43	1248.00
269	465791	4257020	4.23	1.00	4.92	2.39	.22	.09	.05	.94	.15	.37	223.10
270	466120	4258012	9.94	5.30	9.31	1.91	1.25	.14	1.64	2.39	.30	1.04	1661.00
271	466207	4257979	4.47	1.00	1.89	.48	.36	.03	.58	1.13	.10	.46	515.10
272	461375	4252244	15.80	2.25	5.95	2.28	.69	.13	2.34	2.64	.17	2.08	1290.00
273	461604	4252503	13.93	2.32	7.22	2.48	.99	.15	2.83	2.76	.19	2.00	1325.00
274	461632	4252966	13.68	3.57	12.58	2.70	1.86	.19	3.37	2.03	.34	2.11	1345.00
275	461996	4253452	13.72	3.37	7.24	2.47	.96	.12	3.32	2.41	.25	2.59	1583.00
276	461103	4253524	14.35	3.47	5.73	2.32	.69	.11	3.59	2.29	.15	1.31	1096.00
277	461015	4253819	13.70	3.33	7.29	2.89	1.09	.14	3.29	2.44	.26	3.45	1720.00
278	460671	4253916	13.05	4.26	9.13	2.60	1.63	.19	2.86	2.35	.27	2.10	1252.00
279	460469	4253668	13.15	2.85	5.25	2.00	.71	.11	3.11	2.38	.18	1.59	1126.00
280	460215	4253924	13.23	2.42	7.02	2.01	1.10	.14	2.79	2.70	.19	2.16	1380.00
281	460079	4253615	13.26	2.37	7.11	1.97	.95	.13	2.84	2.73	.17	2.04	1355.00
282	460199	4251972	14.04	2.35	5.57	2.09	.66	.12	2.44	2.67	.14	2.13	1284.00
283	460255	4251788	13.76	2.14	5.45	1.79	.77	.13	2.55	3.09	.15	2.21	1512.00
284	460799	4251732	14.08	3.07	8.87	2.20	1.07	.17	3.16	1.81	.22	2.43	1458.00

TABLE 1 CONTINUED

Sample Number	Mercator Coordinates Easting	Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
285	461343	4251672	11.85	3.94	17.91	2.23	1.74	.26	3.07	2.02	.22	2.35	1268.00
286	461668	4251520	12.64	4.87	18.42	2.90	2.27	.25	3.15	1.71	.23	2.37	1228.00
287	457199	4254520	12.64	7.01	6.83	2.22	.82	.13	2.77	2.48	.17	2.74	1514.00
288	457032	4254559	12.07	2.27	7.37	2.07	1.41	.14	2.13	2.69	.20	1.91	1303.00
289	457055	4254128	12.49	1.94	6.09	1.77	.76	.11	2.47	3.11	.16	1.80	1283.00
290	456687	4253716	12.68	2.13	5.51	2.17	.65	.12	2.15	2.53	.09	1.51	1195.00
291	456463	4252965	13.01	2.19	5.30	2.03	.74	.10	2.25	3.16	.16	1.84	1406.00
292	456751	4252164	12.73	2.44	6.20	2.28	.89	.13	2.39	3.33	.12	1.82	1360.00
293	457180	4251762	13.30	4.49	7.45	2.35	.92	.15	3.39	2.30	.19	2.13	1293.00
294	456970	4251630	12.36	3.47	8.39	2.24	.92	.16	2.34	2.56	.21	2.31	1405.00
295	457359	4251203	12.76	3.91	9.30	2.20	.98	.14	1.92	2.56	.19	2.44	1444.00
296	457564	4251316	13.33	3.76	8.96	2.50	1.12	.15	2.72	2.67	.24	2.27	1401.00
297	456847	4252772	13.09	1.90	6.39	1.80	.98	.11	2.23	3.16	.15	1.88	1330.00
298	456007	4253188	12.68	2.68	6.27	2.07	.79	.14	2.34	3.16	.09	1.94	1293.00
299	458305	4254060	13.35	2.71	7.02	2.11	.82	.13	2.76	2.80	.14	2.07	1303.00
300	458197	4254024	12.86	2.99	7.16	1.98	.98	.14	2.43	2.76	.21	2.20	1343.00
301	469455	4244989	14.00	3.32	11.59	2.89	1.46	.19	2.27	2.67	.36	1.54	1109.00
302	470654	4245495	13.66	5.42	12.38	3.73	1.61	.25	2.43	2.24	.63	2.19	1265.00
303	470703	4245419	14.90	3.99	8.11	2.99	1.02	.16	2.73	2.61	.40	2.74	1473.00
304	469331	4244848	12.14	7.37	14.10	6.09	1.74	.23	2.35	2.15	1.01	3.31	1700.00
305	469323	4245560	14.35	3.84	9.71	2.88	1.19	.17	2.53	2.76	.46	1.96	1266.00
306	469860	4246318	14.96	3.39	8.11	3.15	1.09	.17	2.76	2.86	.39	2.62	1560.00
307	469967	4246483	14.42	4.49	11.07	2.77	1.42	.20	2.23	2.77	.50	2.00	1235.00
308	468343	4245388	13.75	6.65	11.50	4.90	1.33	.21	2.11	1.91	.25	2.16	1171.00
309	468135	4245592	11.74	11.51	7.02	3.86	.80	.14	2.24	2.06	.19	3.18	1513.00
310	467837	4245384	11.76	5.86	19.15	3.99	2.83	.23	2.26	1.93	.35	2.33	1207.00
311	471351	4242447	15.42	2.24	7.25	1.81	1.05	.15	2.91	3.45	.35	2.80	1853.00
312	471277	4242447	14.08	4.31	12.60	2.95	1.72	.18	3.02	3.13	.49	2.24	1721.00
313	471151	4242911	14.53	2.10	6.84	1.86	1.03	.16	2.86	3.50	.32	2.82	1824.00
314	470935	4242872	14.90	4.48	9.14	3.51	1.10	.15	2.93	3.17	.30	2.74	1636.00
315	470333	4240594	14.51	5.25	10.72	4.08	1.21	.19	3.36	2.35	.34	2.97	1757.00
316	470518	4251325	10.28	14.08	6.76	2.18	.85	.13	2.05	1.63	.21	.94	742.30
317	470407	4250564	9.51	8.33	3.58	1.32	.55	.05	.78	1.90	.17	.45	677.40
318	470471	4250450	12.54	11.57	3.82	1.75	.50	.05	.97	2.11	.16	2.71	1255.00
319	469422	4250552	9.50	6.34	3.15	1.21	.48	.04	.80	1.92	.12	1.09	812.80
320	468840	4250758	13.08	1.87	4.45	1.78	.54	.08	3.20	2.04	.09	2.78	1297.00
321	468391	4251248	12.05	3.39	12.87	2.08	1.10	.25	2.87	2.23	.29	2.24	1196.00
322	467839	4251627	6.58	2.01	3.06	1.04	.49	.06	1.02	1.37	.11	.88	810.90
323	467351	4251856	14.00	2.81	6.26	2.38	.77	.14	2.72	2.68	.18	3.20	1657.00
324	467471	4251743	13.56	2.58	12.26	2.36	1.28	.20	2.32	2.85	.17	2.82	1475.00
325	467915	4250940	13.87	4.87	9.38	3.16	1.27	.16	2.80	2.37	.25	3.30	1575.00

TABLE 1 CONTINUED

Sample Number	Mercator Coordinates Easting	Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
326	468119	4250826	12.05	2.97	13.25	2.58	1.46	.25	2.96	2.37	.26	2.33	1234.00
327	467895	4250231	12.41	6.94	15.63	4.39	2.59	.26	2.39	1.86	.32	3.20	1515.00
328	467657	4249243	13.49	4.67	10.32	3.22	1.20	.22	2.49	2.16	.32	2.55	1353.00
329	467664	4249360	13.67	4.34	11.22	3.18	1.31	.20	2.33	2.38	.32	2.82	1527.00
330	467868	4249524	12.41	5.48	12.27	3.44	2.12	.19	2.17	2.10	.28	2.41	1363.00
331	468440	4249631	13.76	4.16	8.29	4.00	1.16	.16	3.02	1.96	.22	2.74	1541.00
332	468509	4249548	11.07	2.72	3.75	2.08	.47	.09	3.74	1.74	.10	2.27	1124.00
333	468470	4249408	13.07	3.07	12.88	3.27	1.41	.25	2.53	2.27	.32	2.61	1527.00
334	468375	4249219	13.54	3.82	9.27	3.02	1.41	.14	2.90	2.76	.56	1.97	1371.00
335	469237	4251403	10.56	8.01	7.29	2.39	.96	.13	2.08	1.93	.22	2.32	1257.00
336	466587	4253700	12.14	3.38	17.71	2.78	2.07	.26	2.33	2.09	.28	2.43	1330.00
337	467126	4252688	10.88	3.40	10.62	2.96	1.53	.18	2.00	1.71	.24	1.89	1128.00
338	466974	4251664	12.92	2.85	8.43	1.74	.88	.11	2.49	2.74	.52	2.03	1465.00
339	466625	4251647	13.35	2.30	6.98	1.63	.91	.12	2.66	2.90	.30	2.41	1497.00
340	466359	4251032	10.41	.83	29.22	1.33	2.62	.31	1.14	1.71	.16	1.87	920.80
341	466259	4250860	12.96	3.64	13.41	2.12	1.43	.18	2.63	2.54	.68	2.81	1605.00
342	466215	4250114	13.13	2.33	13.67	2.14	1.41	.14	2.03	2.65	.26	3.06	1631.00
343	465791	4249330	12.32	1.10	17.98	1.81	1.70	.15	1.42	2.36	.14	2.42	1284.00
344	465375	4248880	12.68	2.50	9.00	2.20	1.03	.15	2.10	2.54	.16	1.90	1231.00
346	464607	4248595	10.85	1.88	16.79	1.80	1.65	.16	1.90	2.04	.18	1.67	1026.00
347	472295	4250446	13.85	2.98	7.46	2.49	.98	.15	2.62	2.86	.19	2.04	1373.00
348	472988	4250575	10.47	3.12	5.14	1.65	.87	.08	1.20	2.86	.24	1.58	1623.00
349	465883	4250598	12.69	2.03	17.65	2.01	2.05	.29	1.80	2.30	.20	1.41	921.20
350	465650	4250834	9.74	3.45	28.42	2.37	5.53	.34	1.39	1.70	.66	1.73	939.30
351	465135	4250520	11.26	2.26	24.02	2.05	2.53	.24	1.68	2.08	.20	2.11	1163.00
352	465118	4249975	14.26	1.40	16.25	2.17	1.80	.19	1.59	2.37	.15	2.66	1365.00
353	464831	4249919	14.52	2.02	5.71	2.70	.73	.14	1.99	2.74	.10	2.56	1416.00
354	464743	4249501	13.06	2.54	8.84	2.00	1.06	.15	2.39	2.53	.22	1.99	1265.00
355	464167	4249333	11.15	2.05	14.83	1.88	1.74	.19	1.86	2.00	.20	1.05	823.90
356	463543	4249036	10.46	2.71	21.35	1.71	2.39	.19	1.86	1.96	.24	.65	718.50
357	463627	4248867	12.21	2.73	6.87	1.48	1.04	.13	2.66	2.53	.11	1.40	1089.00
358	464631	4252489	13.75	2.80	7.31	2.53	1.07	.13	2.72	2.81	.24	2.49	1569.00
359	464954	4253216	12.61	3.50	16.05	3.11	2.78	.32	2.23	1.92	.29	1.60	998.80
360	465086	4253102	14.00	2.07	6.88	2.75	.92	.11	3.03	2.62	.15	4.30	2094.00
361	465703	4253580	13.36	2.61	9.22	2.77	1.28	.17	2.11	2.68	.26	2.33	1398.00
362	466588	4253872	13.08	3.23	10.73	2.67	1.26	.24	2.81	2.80	.28	2.20	1351.00
363	467015	4254524	7.19	29.13	2.70	.93	.31	.05	1.28	1.84	.13	.86	743.90
364	468279	4255544	10.08	9.23	3.44	1.23	.47	.06	1.54	2.18	.16	1.34	1039.00
365	469119	4256002	10.24	5.51	3.23	1.35	.45	.08	1.71	2.33	.13	1.06	1080.00
366	469830	4256196	12.31	4.82	10.60	2.91	1.64	.18	2.27	2.34	.26	1.52	1064.00
367	469582	4255008	6.91	1.61	2.97	.76	.42	.05	.53	1.17	.07	.56	2493.00

TABLE 1 CONTINUED

Sample Number	Mercator Easting	Coordinates Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
368	470703	4252967	10.04	2.71	5.09	1.00	.67	.09	1.97	2.32	.19	1.26	1147.00
369	471278	4252272	7.74	5.73	15.13	1.19	1.54	.16	.43	1.42	.15	.37	1920.00
370	465181	4259396	11.60	4.44	17.46	1.87	1.30	.15	1.71	2.52	.34	.99	988.00
371	464623	4259396	13.20	3.85	19.02	2.23	2.22	.21	1.86	2.78	.73	1.82	1372.00
372	463644	4259012	13.54	3.98	11.73	2.21	1.89	.17	2.22	2.88	.61	2.10	1468.00
373	462582	4258527	13.51	4.17	11.56	3.24	1.30	.14	2.09	2.30	.35	1.56	1232.00
374	460727	4257454	12.38	4.56	22.06	3.53	2.44	.21	1.79	2.03	.53	1.97	1159.00
375	460192	4256620	12.97	6.05	10.96	3.58	1.21	.22	2.51	2.11	.23	2.22	1187.00
376	460055	4256557	13.95	4.88	9.39	2.67	1.26	.15	2.90	2.27	.55	1.35	1033.00
377	458671	4256420	11.69	3.19	15.58	1.84	1.37	.15	2.68	2.13	.35	.45	487.70
378	457665	4256191	14.38	3.57	7.61	2.26	.93	.13	2.88	2.85	.21	2.15	1410.00
379	456805	4255720	12.59	4.58	7.55	2.36	.87	.14	2.59	2.88	.18	1.22	1055.00
380	465895	4256004	13.41	5.03	8.87	3.57	1.31	.16	2.73	2.72	.32	2.71	1602.00
381	465783	4255348	11.24	3.41	7.09	1.67	.73	.16	.94	1.56	.10	1.17	740.00
382	465791	4255208	12.26	5.66	13.55	3.22	2.90	.26	2.59	1.90	.32	1.63	962.10
383	462198	4256931	12.23	3.05	19.26	6.44	1.56	.17	1.93	1.98	.18	2.53	1336.00
384	463399	4257132	14.92	4.12	5.30	1.53	.71	.10	2.65	2.60	.16	1.64	1318.00
385	463383	4256780	15.08	3.49	6.53	2.20	.76	.12	2.71	2.74	.15	1.82	1331.00
386	463711	4256212	12.34	6.53	18.11	5.26	3.49	.43	2.35	1.45	.29	1.57	823.10
387	463431	4256228	14.41	5.78	12.86	3.91	1.27	.25	2.96	2.27	.19	2.90	1432.00
388	463335	4256100	14.28	3.86	7.73	2.44	1.06	.14	2.78	2.62	.16	1.35	1064.00
389	463271	4255288	11.47	8.43	11.49	10.70	.86	.20	1.55	1.38	.23	4.42	1757.00
390	463055	4255060	13.44	2.83	7.85	1.79	1.04	.23	2.66	2.56	.16	1.34	1035.00
391	462565	4254665	14.50	4.73	11.32	3.31	1.15	.25	3.04	2.45	.24	2.14	1217.00
392	462470	4254779	10.70	4.45	38.13	2.00	5.23	1.98	.95	.79	.48	.52	353.40
393	464628	4253852	12.91	5.74	13.34	3.16	2.21	.45	2.60	2.01	.50	1.06	785.10
394	464056	4253708	12.71	5.21	15.73	3.37	2.15	.32	2.34	2.26	.51	1.44	941.50
395	463904	4253704	11.60	7.29	19.65	4.07	3.46	.55	1.85	1.33	.29	1.41	697.00
396	463624	4253536	13.63	5.10	11.06	3.16	1.56	.24	3.00	2.32	.34	2.17	1299.00
397	462669	4252958	14.37	2.34	6.27	2.17	.95	.11	2.95	2.92	.16	1.99	1415.00
398	462758	4253103	13.53	2.70	8.17	2.56	1.28	.15	2.67	2.56	.25	1.64	1222.00
399	451679	4246432	13.07	4.72	6.53	2.12	1.80	.11	2.89	2.82	.65	2.26	1729.00
400	451955	4246463	13.03	4.95	8.06	2.58	2.06	.12	2.98	2.85	.77	2.40	2219.00
401	452333	4247064	13.25	5.17	8.67	3.05	1.92	.13	2.90	3.01	.79	2.59	2150.00
402	452079	4247344	13.07	5.43	9.19	2.93	1.45	.17	2.96	2.13	.49	2.12	1383.00
403	452695	4247956	10.17	4.46	30.01	2.68	2.19	.18	1.97	1.95	.52	1.61	1185.00
404	452559	4248223	12.11	3.81	13.00	2.33	1.65	.19	2.48	1.80	.25	1.99	1219.00
405	453127	4249352	12.99	3.34	7.50	1.97	1.09	.12	2.84	2.57	.25	1.84	1280.00
406	453023	4249666	10.94	4.45	19.31	2.33	2.25	.27	1.97	1.88	.30	1.92	1086.00
407	453231	4250172	11.93	3.51	8.48	2.51	.98	.16	2.40	2.03	.18	1.92	1153.00
408	452998	4251244	12.37	3.00	5.89	1.86	.82	.13	2.35	2.64	.17	2.01	1419.00

TABLE 1 CONTINUED

Sample Number	Mercator Coordinates Easting	Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
409	453151	4251816	13.27	5.28	9.80	3.01	.82	.23	2.54	2.13	.13	2.22	1275.00
410	452767	4252002	13.51	5.45	9.85	2.73	1.18	.19	3.12	2.06	.21	2.40	1299.00
411	453439	4252852	12.11	2.62	6.70	2.01	.73	.12	2.46	3.27	.12	1.77	1318.00
412	453535	4253272	12.44	2.27	5.69	2.21	.70	.11	1.97	3.12	.15	1.65	1278.00
413	453271	4253540	13.26	2.89	5.56	1.69	.68	.10	2.50	3.00	.18	2.16	1412.00
414	453408	4253908	12.35	4.40	7.09	3.39	.66	.13	2.48	2.94	.14	2.19	1489.00
415	449367	4251096	12.98	2.71	7.86	.98	.76	.10	3.73	3.14	.20	1.40	1018.00
416	449636	4251196	12.73	3.73	8.88	1.85	.98	.15	3.16	2.74	.22	1.77	1138.00
417	451199	4252716	13.75	4.69	7.29	2.72	.73	.15	3.25	2.62	.11	2.08	1321.00
418	451670	4252979	13.49	4.72	10.03	2.50	1.13	.19	3.04	2.28	.18	1.34	997.20
419	453266	4254668	13.13	4.84	10.53	2.54	1.63	.15	3.02	2.21	.47	2.08	1675.00
420	454488	4255264	13.08	1.95	5.47	1.82	.66	.12	2.10	3.52	.13	1.88	1391.00
421	455971	4256188	13.04	2.01	9.45	1.52	.95	.11	2.57	3.01	.20	1.95	1371.00
422	449143	4249884	13.40	3.23	4.85	1.51	.78	.09	3.61	2.98	.24	1.82	1425.00
423	449486	4248387	12.71	4.74	11.28	2.61	1.20	.17	2.64	2.26	.19	.86	791.80
424	449127	4248028	13.48	2.42	8.35	1.77	.97	.15	2.44	2.87	.23	2.17	1361.00
425	449111	4247451	14.12	4.95	5.51	1.55	.67	.10	4.18	2.09	.19	2.18	1187.00
426	449023	4246900	13.20	7.11	13.15	3.43	2.00	.22	2.86	1.87	.22	5.01	2108.00
427	449999	4244978	14.42	5.43	8.95	2.65	1.56	.16	3.57	2.66	.42	2.16	2348.00
428	448711	4245516	13.49	3.92	9.31	2.23	1.34	.14	3.44	2.59	.36	1.85	1429.00
429	448188	4244399	13.53	2.94	7.92	1.70	1.04	.14	3.73	2.74	.32	1.38	1018.00
430	451447	4242978	14.26	2.99	5.37	1.65	.86	.11	3.46	2.60	.24	1.60	1247.00
431	452439	4243356	11.84	4.32	16.55	2.80	1.90	.23	2.57	2.37	.29	2.38	1407.00
432	452990	4243451	13.44	3.26	6.05	1.94	.82	.11	2.70	2.83	.20	1.55	1277.00
433	454391	4244140	10.66	6.20	19.58	3.63	2.77	.17	1.82	1.96	1.05	.82	938.80
434	455006	4244356	7.05	5.37	47.59	1.97	3.22	.20	1.18	1.37	.91	.62	672.60
435	455610	4245750	13.13	4.66	9.77	2.70	1.48	.13	2.66	2.83	.65	1.59	1398.00
436	454003	4246380	13.62	6.29	7.27	3.13	2.31	.12	2.92	2.89	1.03	1.76	1996.00
437	453979	4246654	12.58	5.74	13.00	3.31	2.47	.14	2.41	2.75	1.12	1.88	1916.00
438	453573	4246504	12.16	6.52	11.38	3.43	1.90	.13	2.20	2.66	.77	2.29	2031.00
439	449612	4243900	12.44	5.84	8.27	2.00	.91	.13	4.40	1.63	.20	1.87	960.70
440	450143	4247451	12.51	3.41	10.12	2.00	1.25	.16	2.70	2.30	.21	1.49	1013.00
441	450532	4249263	12.86	3.72	7.58	2.60	.87	.15	2.31	2.39	.14	1.37	949.60
442	450469	4250449	11.89	5.09	9.50	2.56	1.37	.19	2.45	2.13	.25	.99	781.10
443	450993	4252068	12.64	5.70	8.45	3.56	.85	.18	2.78	1.84	.19	1.59	961.60
444	451997	4252495	12.73	4.27	10.54	2.51	1.07	.19	2.62	2.17	.17	1.46	1046.00
445	444231	4254603	12.44	5.13	10.64	2.72	1.11	.25	2.71	1.95	.19	2.07	1123.00
446	444111	4255276	12.96	3.78	10.20	2.20	1.15	.21	2.90	2.75	.22	1.99	1160.00
447	444270	4255427	13.26	1.97	8.48	1.27	.96	.15	3.36	2.91	.31	2.09	1215.00
448	442956	4255172	12.98	4.16	9.13	2.27	1.17	.20	2.98	2.40	.23	1.37	957.30
449	442931	4255344	12.95	3.61	9.63	1.80	1.34	.21	3.03	2.82	.29	.96	592.00
450	443987	4255860	13.18	2.14	8.41	1.26	.95	.16	3.29	2.85	.27	1.83	1135.00

TABLE 1 CONTINUED

Sample Number	Mercator Easting	Coordinates Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
451	443871	4256012	12.17	2.33	11.62	1.45	1.27	.15	2.52	3.02	.35	1.43	1075.00
452	443743	4256445	13.08	2.90	9.41	1.46	1.29	.17	3.03	2.74	.43	1.64	1132.00
453	443671	4256676	13.63	2.48	10.92	1.63	1.22	.21	3.06	2.86	.30	1.91	1201.00
454	443310	4257063	13.61	3.79	7.20	2.59	.95	.13	2.93	2.50	.20	2.72	1514.00
455	442853	4257148	12.35	4.65	12.96	2.40	1.55	.23	2.89	2.29	.65	1.92	1213.00
456	442423	4258356	13.47	3.83	10.73	1.75	2.03	.27	3.82	2.46	.27	1.78	1023.00
457	442525	4258404	13.39	4.81	9.38	2.82	1.25	.21	3.47	2.16	.29	2.12	1135.00
458	444399	4253504	12.84	2.11	7.81	1.35	.93	.18	2.75	3.18	.21	1.53	577.90
459	444273	4252795	13.60	2.98	9.04	1.66	1.11	.20	3.11	3.09	.28	1.65	1165.00
460	443815	4252240	12.70	3.30	9.20	1.27	1.20	.20	3.23	2.76	.36	1.56	1103.00
461	443916	4252334	13.10	3.16	9.91	1.89	1.14	.16	2.64	2.82	.22	1.33	1082.00
462	444438	4251588	13.72	3.04	9.37	2.59	1.32	.20	2.66	3.02	.35	1.67	1232.00
463	444109	4250817	13.00	3.01	10.06	1.55	1.35	.23	3.01	2.88	.27	2.21	1363.00
464	444271	4250651	13.41	3.22	8.09	2.40	1.22	.18	3.13	2.96	.31	3.44	1834.00
465	444023	4250488	13.49	3.54	8.56	1.93	1.06	.20	3.49	2.82	.19	2.80	1488.00
466	443902	4250076	13.34	3.21	9.05	1.27	1.29	.22	3.49	2.92	.22	1.72	1085.00
467	443619	4249392	11.24	3.77	17.96	1.77	2.20	.35	2.39	2.28	.30	1.31	877.80
468	442487	4249740	12.91	3.30	9.67	1.63	1.34	.20	2.82	2.77	.33	2.01	1333.00
469	442375	4249676	12.82	3.05	8.53	1.48	1.12	.18	2.55	2.70	.28	1.46	1088.00
470	442518	4248864	13.48	2.34	8.58	1.55	1.02	.16	2.93	3.09	.28	2.07	1347.00
471	441807	4248268	13.65	2.58	8.19	1.45	1.01	.18	3.40	2.88	.30	2.63	1528.00
472	441359	4247827	13.92	2.14	5.26	1.05	.56	.09	4.03	3.00	.15	2.32	1638.00
473	441235	4247466	12.97	2.55	11.25	1.45	1.00	.17	3.65	2.65	.24	2.24	1353.00
474	440455	4247407	13.59	2.11	5.20	1.18	.60	.10	3.68	2.88	.15	2.36	1605.00
475	445863	4254447	14.21	2.31	8.37	1.33	.91	.17	3.49	3.58	.22	2.15	1508.00
476	445903	4255056	14.48	1.98	7.99	1.13	.82	.13	4.12	3.32	.21	2.51	1437.00
477	446071	4254300	13.57	3.94	11.53	2.43	1.48	.19	3.50	2.69	.30	2.00	1148.00
478	445956	4253128	14.43	2.93	7.65	1.67	.90	.15	3.55	3.55	.24	2.45	1492.00
479	446231	4252828	14.43	3.18	7.42	1.61	.88	.18	2.87	2.71	.21	.93	947.10
480	446215	4252356	13.91	2.71	8.14	2.19	.99	.17	2.81	3.52	.28	2.19	1427.00
481	446423	4252020	14.12	2.66	8.33	1.91	1.10	.16	3.03	3.55	.29	2.25	1419.00
482	447271	4250416	12.38	4.35	9.11	2.11	1.10	.15	2.85	2.58	.27	1.97	1232.00
483	447159	4250323	13.90	3.24	5.69	1.66	.80	.12	3.77	2.47	.22	2.06	1272.00
484	445815	4249352	13.49	2.58	6.47	1.82	.79	.14	2.97	3.10	.21	2.15	1367.00
485	445367	4249211	12.94	2.48	10.53	1.70	1.01	.12	2.97	2.88	.22	1.83	1295.00
486	449670	4258934	13.17	3.32	10.17	2.08	1.15	.15	2.28	2.48	.13	1.11	668.40
487	449484	4258684	13.71	3.09	5.67	1.62	.95	.11	3.10	2.82	.22	.95	683.20
488	449439	4258340	14.54	3.98	5.37	2.00	.73	.10	2.80	2.45	.14	1.93	637.70
489	449095	4257788	14.05	4.55	5.34	1.90	.67	.13	2.04	2.55	.18	2.24	622.50
490	448926	4257556	14.02	3.65	6.09	2.24	.77	.13	2.97	2.51	.14	1.40	597.80
491	448479	4255973	13.58	1.43	11.28	1.84	1.07	.17	2.08	2.65	.13	1.64	428.60
492	447893	4255666	14.39	5.45	8.07	3.24	.89	.15	2.94	2.19	.10	2.23	501.70

TABLE 1 CONTINUED

Sample Number	Mercator Coordinates Easting	Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
493	447606	4254316	12.52	3.88	14.80	2.70	1.21	.17	3.27	2.01	.18	1.01	488.00
494	447800	4253802	14.01	3.37	7.20	2.34	.84	.14	3.46	2.56	.18	1.09	642.10
495	446175	4256983	13.84	4.07	6.47	2.31	.75	.15	3.19	2.35	.10	1.20	606.80
496	444728	4259812	13.64	2.63	4.83	1.64	.66	.15	2.99	2.42	.16	1.25	698.80
497	444391	4260068	13.84	3.70	4.58	2.72	.54	.14	2.59	1.61	.25	2.25	516.20
498	446191	4258606	13.24	4.21	7.89	2.41	1.16	.18	2.96	2.23	.18	1.15	545.50
499	446295	4258836	13.45	3.11	4.42	1.80	.55	.09	3.19	2.40	.13	.87	595.40
500	446965	4256331	13.87	5.82	9.41	5.99	1.02	.21	2.30	1.87	.11	2.67	484.00
501	456670	4255303	12.38	2.70	6.50	2.56	.82	.13	1.78	3.26	.12	1.84	687.90
502	458679	4251155	12.62	3.52	13.49	2.58	1.30	.18	2.62	2.24	.20	1.04	554.60
503	457471	4247103	11.62	5.11	21.32	2.47	3.13	.20	2.53	2.25	.95	.66	749.80
504	457255	4247548	11.48	5.17	18.02	2.78	2.32	.19	2.43	2.34	.66	1.12	1037.00
505	456621	4248281	12.46	4.55	9.53	2.73	1.61	.17	2.62	2.45	.29	1.57	1148.00
506	458047	4250131	12.46	4.14	10.17	2.75	1.40	.18	2.46	2.22	.21	1.34	998.20
507	457445	4250287	12.36	4.54	8.14	2.49	1.18	.26	2.41	2.32	.22	1.48	1110.00
508	456903	4250880	11.85	3.87	15.66	2.21	1.44	.16	1.88	2.22	.15	1.06	891.70
509	456135	4251126	13.05	4.97	8.27	2.60	1.17	.19	2.57	2.50	.21	2.10	1352.00
510	455006	4247606	11.47	5.90	16.42	2.32	1.96	.13	2.16	2.45	.75	1.54	1342.00
511	454941	4246184	10.86	4.60	20.79	2.45	2.28	.16	1.89	2.22	.64	.74	794.60
512	454807	4246032	11.42	9.53	11.76	3.41	2.39	.14	2.17	2.16	.84	1.38	956.10
513	459671	4252310	14.02	2.23	6.85	2.15	.89	.12	2.17	2.65	.16	2.36	1385.00
514	459165	4252611	11.96	3.43	10.41	2.43	1.50	.18	2.16	2.25	.20	2.23	1257.00
515	459204	4252756	14.25	1.81	9.87	2.02	1.10	.17	2.02	2.16	.15	2.23	1171.00
516	459120	4253448	13.38	2.72	7.86	2.03	.87	.11	2.02	2.04	.22	1.71	1000.00
517	459223	4254279	13.50	2.50	5.65	2.06	.76	.12	3.09	2.16	.18	1.86	1161.00
518	459543	4254759	13.43	3.51	9.06	2.75	1.62	.19	1.93	2.50	.79	2.40	1223.00
519	459511	4255196	13.50	2.36	4.68	2.22	.62	.10	2.83	2.49	.13	1.86	1118.00
520	459751	4255576	14.09	2.53	7.78	2.60	1.05	.14	2.29	2.55	.17	2.34	1291.00
521	460204	4255516	13.82	2.54	5.13	1.81	.68	.10	3.90	1.97	.18	1.14	460.20
522	460703	4255494	13.77	3.05	5.91	2.17	.84	.12	3.61	2.16	.20	1.51	992.60
523	460759	4255532	13.98	3.61	6.44	2.45	.84	.14	3.58	2.13	.23	1.50	996.80
524	440590	4249817	14.11	2.93	9.27	1.95	1.07	.19	3.43	2.99	.29	1.81	1226.00
525	440911	4249752	13.67	3.21	8.86	2.35	1.03	.17	2.94	2.87	.18	2.07	1163.00
526	441712	4250836	13.03	4.57	12.66	2.04	1.94	.27	2.80	2.43	.40	1.60	1075.00
527	441541	4251955	12.79	5.83	12.13	2.78	2.07	.20	2.83	2.14	.64	1.77	1141.00
528	441039	4251603	12.67	3.75	10.99	2.29	1.26	.18	2.97	2.38	.24	1.42	1057.00
529	440407	4250947	13.59	2.75	9.89	2.22	1.14	.19	2.75	2.58	.26	2.40	1423.00
530	440533	4250984	13.18	4.61	13.81	1.78	2.30	.34	2.95	2.47	.41	1.10	689.60
531	442446	4251607	13.20	3.55	11.36	1.58	1.53	.24	2.89	2.65	.29	1.34	1009.00
532	442407	4253064	13.13	4.03	9.97	1.70	1.40	.21	3.09	2.61	.33	1.45	1017.00
533	442695	4253340	14.05	3.85	10.17	1.67	1.23	.22	3.35	2.97	.28	1.28	995.40
534	442183	4253290	13.47	4.20	11.16	2.45	1.36	.22	3.03	2.60	.23	1.40	1019.00

TABLE 1 CONTINUED

Sample Number	Mercator Easting	Coordinates Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
535	441711	4252848	14.46	4.46	7.33	2.57	1.25	.14	3.78	2.51	.37	1.70	1104.00
536	441173	4252972	15.45	1.85	4.16	.56	.43	.09	4.97	2.93	.08	1.92	909.40
537	441143	4253118	14.55	2.85	6.58	1.81	.80	.12	3.86	2.76	.18	1.84	1127.00
538	441182	4253448	14.48	2.31	6.67	1.29	.73	.12	3.88	2.92	.13	1.76	1066.00
539	440142	4253504	12.88	2.10	7.50	2.07	.77	.14	2.36	2.44	.17	1.81	576.30
540	440727	4253806	14.51	1.66	5.24	1.14	.51	.12	3.86	2.89	.12	1.39	986.40
541	440557	4253844	14.46	2.02	7.54	1.36	.64	.10	4.29	2.62	.16	1.55	949.90
542	441063	4254831	14.58	1.84	4.78	.97	.50	.09	4.50	2.81	.10	1.12	835.50
543	440735	4255008	14.14	2.26	7.43	1.16	.79	.15	4.27	2.61	.11	1.33	840.80
544	439973	4254932	14.77	2.43	5.10	.96	.69	.08	5.44	2.50	.22	1.24	724.30
545	439917	4255040	13.65	2.39	6.97	1.95	.79	.14	3.13	2.66	.19	1.32	1062.00
546	439813	4256767	14.15	3.09	7.42	2.10	.89	.14	3.68	2.55	.19	1.25	978.20
548	442293	4255794	13.91	3.03	8.05	2.30	.83	.16	3.68	2.58	.14	3.54	1696.00
549	441920	4255911	13.86	3.64	8.47	2.55	1.17	.18	3.29	2.55	.21	3.28	1712.00
550	441598	4256236	12.61	5.20	14.66	3.27	1.87	.28	2.73	2.09	.20	.98	783.80
551	441367	4255952	14.39	2.14	7.27	1.27	.82	.11	3.62	2.85	.16	1.94	1251.00
552	441268	4256149	13.96	3.83	9.51	2.59	1.28	.18	3.69	2.58	.26	2.04	1261.00
553	441767	4257860	14.52	3.77	8.99	2.37	1.14	.16	3.64	2.62	.19	1.90	1173.00
554	441359	4257830	12.46	4.75	15.06	2.75	2.10	.24	2.86	2.11	.38	1.29	999.40
555	441351	4257700	13.58	4.89	9.65	2.90	1.64	.21	3.13	2.37	.35	1.14	991.10
556	441335	4258276	14.32	3.97	9.34	3.70	1.12	.19	3.32	2.40	.20	1.32	1095.00
557	441039	4258212	13.22	5.90	10.38	3.51	1.35	.23	3.10	1.99	.25	1.27	912.20
558	440838	4258512	14.55	4.21	8.58	2.74	1.37	.17	3.11	2.61	.30	1.48	1180.00
559	440767	4258797	14.50	3.33	6.86	1.94	1.26	.13	3.61	2.80	.26	1.91	1208.00
560	441023	4259646	15.27	2.12	6.09	.87	.69	.09	4.45	3.04	.12	2.10	1203.00
561	441591	4259516	14.84	2.21	5.58	1.21	.78	.10	3.75	3.11	.13	2.34	1419.00
562	440324	4259524	13.14	4.16	8.77	3.02	1.44	.18	3.05	2.40	.32	2.20	1307.00
563	440526	4260321	14.43	4.26	8.37	3.47	1.01	.17	3.19	2.42	.17	2.40	1369.00
564	440407	4261603	13.97	3.85	8.52	2.62	.98	.16	3.00	2.23	.12	2.11	1253.00
565	440540	4261647	14.01	5.02	8.76	3.20	1.00	.20	3.18	2.08	.12	2.07	1188.00
566	439415	4259870	13.52	4.89	11.50	4.23	1.19	.19	3.10	2.12	.14	2.42	1301.00
567	439191	4260076	14.64	2.75	8.83	2.48	1.03	.15	3.21	3.20	.19	1.94	1242.00
568	439183	4261028	14.68	1.60	9.04	2.61	1.01	.14	1.56	2.82	.12	2.04	1145.00
569	439158	4261484	13.56	1.01	7.01	2.00	.91	.11	2.70	2.66	.11	2.19	1241.00
570	438863	4258356	12.25	3.02	11.67	2.36	1.20	.14	2.36	2.81	.19	.92	825.10
571	438711	4258060	11.11	3.31	5.10	2.61	.75	.13	1.00	2.14	.16	1.99	1142.00
572	438887	4256592	14.11	1.84	8.12	1.77	1.19	.10	1.57	2.67	.14	2.20	1187.00
573	438911	4255436	14.33	2.49	5.57	1.87	.81	.07	1.89	3.09	.14	2.65	1447.00
574	438959	4254876	14.45	1.51	10.00	1.36	1.32	.05	2.01	3.13	.18	2.41	1439.00
575	439302	4253668	14.28	3.33	8.30	2.56	1.21	.17	2.91	3.18	.19	2.07	1298.00
576	438946	4260932	12.74	2.56	7.72	1.75	1.00	.12	2.00	2.41	.15	1.78	1217.00
577	438855	4260032	14.20	.83	13.35	1.46	1.43	.10	.60	1.98	.03	1.89	1031.00

TABLE 1 CONTINUED

Sample Number	Mercator Easting	Coordinates Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
578	440646	4259740	12.40	5.15	14.26	3.09	2.27	.24	2.78	2.13	.34	.95	791.10
579	440955	4260463	14.10	3.09	7.70	2.23	1.00	.14	3.13	2.52	.19	1.62	1198.00
580	438575	4259444	15.31	1.09	5.03	1.50	.76	.06	.56	3.44	.07	2.45	1160.00
581	436632	4260299	13.59	3.23	9.90	1.86	1.42	.22	2.94	3.02	.23	1.94	1240.00
582	436439	4260306	13.70	3.81	10.60	1.77	1.91	.28	3.06	2.80	.29	1.84	1109.00
583	436375	4259970	12.57	2.95	17.36	1.51	1.93	.25	2.64	2.54	.21	1.24	937.50
584	437331	4255196	12.86	4.17	11.89	1.95	1.95	.25	2.64	2.53	.22	1.28	930.40
585	435247	4258283	13.98	2.86	6.88	1.72	1.13	.18	2.81	2.78	.27	1.53	1203.00
586	435207	4258116	13.72	3.00	8.20	1.92	1.07	.20	2.39	2.64	.24	1.08	1028.00
587	435103	4256151	13.64	5.58	11.75	3.40	1.44	.21	3.14	2.09	.14	.58	650.90
588	435571	4254835	13.78	4.13	8.99	2.17	1.55	.20	3.10	2.65	.25	.98	912.50
589	436319	4253840	10.88	2.11	6.07	1.06	.99	.14	2.39	2.55	.17	1.23	949.50
590	437526	4253868	11.79	4.94	13.94	2.05	2.05	.23	2.65	2.49	.29	.83	751.60
591	438316	4253219	9.98	3.17	4.31	2.19	.59	.12	1.46	2.37	.13	.67	786.00
592	437204	4252001	13.40	3.06	10.11	1.73	1.56	.19	2.74	3.09	.38	1.17	964.30
593	439351	4252635	11.45	5.59	4.87	1.91	.56	.11	1.85	2.73	.20	.70	839.30
594	439335	4251752	12.41	4.43	9.11	2.44	1.07	.16	2.79	2.81	.20	1.09	944.50
595	439711	4249104	13.31	2.45	7.44	2.45	.79	.13	3.07	2.72	.14	1.58	644.60
596	439535	4246427	13.47	2.68	4.85	1.81	.57	.11	3.50	2.54	.14	4.53	711.80
597	439840	4245981	13.29	4.96	9.78	3.95	.98	.18	2.39	1.94	.16	1.33	465.00
598	439798	4245264	13.33	4.21	9.27	3.29	1.08	.15	2.41	2.08	.23	.83	521.60
599	439831	4244532	9.56	3.17	26.05	2.14	1.48	.19	1.90	1.74	.30	.17	556.90
600	440344	4244276	13.09	2.77	8.37	2.57	.94	.16	2.52	2.47	.22	.89	611.10
601	440415	4243736	10.31	5.01	18.53	3.33	1.41	.19	2.01	1.83	.22	.65	520.30
602	440351	4242938	14.18	2.27	4.52	1.15	.55	.11	3.56	3.18	.14	1.58	631.20
603	441095	4242140	13.58	3.67	5.68	2.87	.79	.15	3.41	2.45	.21	.91	705.70
604	442555	4242665	12.44	6.81	6.37	2.79	.77	.13	2.94	2.20	.20	1.15	581.90
605	442863	4243220	13.37	4.88	9.52	4.20	1.00	.23	2.82	1.75	.23	.60	430.10
606	443111	4243060	13.75	3.08	6.47	2.39	.79	.13	2.67	2.59	.18	.89	717.00
607	443665	4243572	12.58	3.42	12.03	2.55	.81	.14	2.40	2.24	.17	.59	592.50
608	443696	4244460	12.68	4.49	8.98	3.55	.96	.18	2.28	2.11	.21	.77	525.60
609	441658	4243368	12.28	5.32	9.52	6.87	.99	.17	2.43	2.05	.24	1.36	498.10
610	441852	4243957	12.73	3.13	10.14	2.43	1.06	.13	2.70	2.41	.27	.92	627.80
611	441711	4244876	14.18	2.91	5.52	2.01	.68	.12	3.25	2.56	.15	.97	652.30
612	441375	4245240	11.30	3.85	24.36	2.90	1.54	.35	2.12	1.69	.32	.51	389.60
613	441884	4246083	11.88	4.08	16.29	2.84	1.36	.17	2.15	2.00	.33	1.11	479.90
614	442423	4244352	13.08	4.20	7.79	3.17	.84	.15	2.77	1.98	.17	.88	506.50
615	442647	4245298	13.12	3.91	11.24	2.99	.99	.19	2.58	2.28	.23	.89	570.40
616	443167	4245688	13.12	3.69	7.36	2.75	1.08	.15	2.65	2.34	.24	.48	611.70
617	443320	4246309	13.20	4.27	8.12	3.25	.99	.15	2.74	2.06	.24	.57	491.90
618	443774	4245848	8.07	14.46	14.59	2.27	.82	.16	1.77	1.53	.15	.39	465.40
619	444007	4246704	13.48	3.19	5.28	2.15	.72	.10	2.55	2.55	.18	1.61	659.20

TABLE 1 CONTINUED

Sample Number	Mercator Easting	Coordinates Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
620	444391	4247807	12.72	3.45	6.20	2.22	.82	.11	2.56	2.33	.20	.72	593.60
621	443641	4249028	12.65	2.86	8.75	2.48	.98	.16	2.91	2.20	.26	1.73	536.10
622	441567	4247488	12.55	4.58	8.31	2.59	.90	.17	2.81	2.05	.20	1.01	514.10
623	440957	4247028	13.35	3.94	8.75	3.64	1.00	.18	2.76	2.37	.23	1.44	627.70
624	443860	4247568	12.92	2.57	7.27	2.05	.92	.11	2.65	2.46	.26	.78	649.50
625	445511	4247331	12.35	3.57	7.18	2.01	.78	.11	2.56	2.42	.19	.93	589.40
626	445679	4247641	11.30	3.94	17.52	2.93	1.10	.19	2.05	1.82	.23	.34	468.90
627	447071	4248134	12.26	2.44	7.63	1.51	.74	.14	2.28	2.66	.17	.65	580.90
628	447236	4248469	12.19	3.11	9.27	2.02	.79	.13	2.14	2.53	.22	.95	603.20
629	447634	4249330	11.80	3.57	12.45	2.29	.97	.13	2.36	2.21	.20	.45	540.80
630	448504	4249356	12.15	2.80	10.92	2.59	.82	.16	2.32	2.37	.19	.84	524.80
632	446894	4247532	12.10	3.12	6.76	1.67	.76	.10	2.32	2.48	.19	.71	667.40
633	447326	4247624	12.05	2.49	6.04	1.25	.80	.11	2.35	2.90	.23	.82	645.10
634	448790	4249424	12.23	2.83	5.69	1.64	.70	.10	2.30	2.73	.18	.75	668.70
635	448856	4249767	11.63	4.19	7.77	3.57	.73	.13	2.00	2.22	.20	1.02	502.70
636	448703	4248688	12.10	2.60	5.96	1.91	.76	.13	1.68	2.67	.24	.92	599.50
637	445775	4245120	11.80	2.61	12.64	1.57	.67	.11	2.29	2.89	.17	1.06	602.00
638	445653	4244950	13.03	3.23	5.03	1.92	.68	.11	2.48	3.16	.16	1.16	697.10
639	445479	4245275	12.72	2.79	6.18	1.84	.71	.11	2.87	2.76	.21	.99	615.00
640	444647	4245360	12.29	4.43	7.29	3.16	.92	.15	2.74	2.29	.16	.57	463.90
641	444332	4245751	12.77	4.08	9.80	3.54	.87	.19	2.58	2.67	.22	1.30	525.10
642	444303	4244323	12.63	3.17	5.17	2.39	.67	.13	2.89	2.52	.15	.77	586.20
643	444587	4243833	12.35	2.60	7.81	2.65	.83	.14	2.33	2.70	.19	.97	644.50
644	444839	4243932	12.90	2.70	5.97	2.59	.81	.15	1.71	2.82	.16	1.07	717.20
645	444907	4243252	11.97	5.57	4.08	1.91	.49	.12	2.72	2.80	.14	.46	687.80
646	445119	4243271	13.10	3.23	6.08	2.02	.70	.11	2.67	3.39	.17	.36	643.30
647	445543	4243776	13.01	3.76	5.56	1.93	.69	.10	2.64	2.17	.19	.27	643.50
648	447575	4244951	13.21	2.38	5.26	1.64	.70	.09	2.69	3.13	.24	.59	639.40
649	447508	4244152	13.14	2.76	5.40	1.97	.69	.10	2.37	3.25	.20	.54	688.20
650	448071	4245516	13.33	1.76	6.10	1.35	.64	.09	2.64	3.89	.26	.50	655.60
651	447087	4256282	12.60	4.19	9.04	2.93	1.14	.14	2.20	2.40	.13	.28	512.00
652	447956	4253282	12.71	2.62	6.06	2.50	.62	.11	2.64	3.07	.15	.38	643.30
653	447887	4251638	12.86	3.08	7.16	2.72	.75	.12	2.84	2.96	.13	.40	684.70
655	449199	4252494	13.98	5.29	9.32	3.43	.90	.16	2.66	2.55	.16	.59	534.30
656	452614	4255291	13.67	2.01	4.95	1.32	.61	.10	2.52	3.19	.15	.74	634.00
657	452175	4255903	13.81	2.23	4.96	1.93	.59	.13	2.57	2.99	.11	.47	501.70
658	452151	4256460	15.42	3.97	7.08	2.00	.86	.13	2.65	2.69	.20	.68	577.90
659	451407	4256692	12.23	2.11	5.08	1.35	.53	.11	2.36	2.54	.08	.45	503.60
660	451287	4256251	13.00	2.46	6.21	1.78	.56	.12	2.79	2.57	.13	.54	520.80
661	450775	4256438	14.43	3.23	5.96	1.82	.71	.14	3.36	2.63	.19	.45	553.90
662	449855	4257243	13.91	2.64	10.21	1.97	.92	.19	2.95	2.48	.19	3.77	445.40
663	449948	4257340	14.18	3.16	6.22	1.66	.75	.11	3.04	3.04	.15	.30	569.40

TABLE 1 CONTINUED

Sample Number	Mercator Coordinates Easting	Northing	Al_2O_3	CaO	Fe_2O_3	MgO	TiO_2	MnO	Na_2O	K_2O	P_2O_5	SiO_2	Ba
664	452079	4257492	13.62	3.38	8.93	2.15	1.27	.15	1.93	2.93	.22	.96	752.20
665	451247	4259388	14.29	3.09	11.23	2.22	1.30	.14	1.77	2.64	.22	.48	775.70
666	451231	4260036	14.56	1.91	5.56	1.67	.72	.07	1.90	3.29	.13	.90	704.80
667	451322	4260071	12.25	3.24	7.23	1.54	1.35	.13	2.09	3.11	.18	.43	864.50
668	451776	4258388	13.80	2.91	4.75	1.26	.75	.09	2.32	3.44	.14	.63	812.90
669	452207	4258828	14.73	2.31	5.08	1.50	.67	.09	2.25	3.37	.13	.69	686.40
670	452223	4260180	14.99	4.79	9.26	2.95	1.31	.14	2.64	3.15	.34	.48	989.40
671	451957	4260012	13.70	3.48	7.73	1.61	1.13	.12	2.30	3.28	.18	.34	851.80
672	452743	4258914	13.16	2.60	7.81	1.55	1.16	.13	2.19	2.89	.19	.39	835.20
673	452839	4258876	14.06	4.59	8.54	2.50	1.14	.17	2.03	3.11	.30	.40	897.20
674	452982	4258430	13.75	3.54	10.52	2.48	1.40	.23	2.12	2.71	.27	.75	643.20
675	453064	4258328	15.47	3.98	8.00	2.49	.91	.15	2.32	2.33	.10	1.32	500.00
676	445901	4250324	13.06	2.37	7.24	1.76	.93	.12	2.87	3.43	.26	.57	644.20
677	445687	4250756	14.11	2.54	7.28	2.00	1.01	.14	3.14	3.87	.34	.73	628.50
678	446294	4251159	14.68	3.07	8.96	2.10	.90	.15	3.48	3.75	.31	.58	622.60
679	447175	4251731	15.07	2.00	6.04	1.53	.69	.12	3.64	4.27	.19	.80	630.00
680	447877	4251632	13.60	2.40	5.82	2.31	.69	.12	2.61	3.63	.14	.59	732.00
681	448324	4246800	13.35	3.74	7.87	2.23	.78	.13	2.14	3.38	.22	.42	626.70
682	448156	4246426	14.25	3.21	5.76	2.61	.72	.11	2.79	3.59	.20	.65	627.40
683	448831	4246251	12.25	5.96	12.58	3.66	1.55	.19	2.71	2.03	.18	.65	373.60
684	448056	4243372	13.45	3.47	5.93	1.95	.77	.10	3.27	3.03	.19	.33	731.90
685	447494	4242876	13.05	4.43	9.56	2.75	1.10	.16	2.97	2.70	.30	.36	624.30
686	437719	4256903	12.02	3.80	6.01	2.37	1.05	.14	2.47	2.84	.19	.41	551.90
687	438903	4257245	15.06	1.21	5.47	1.74	.53	.12	3.12	4.31	.17	.93	645.00
688	439119	4255067	14.87	1.40	5.93	1.21	.67	.10	3.23	4.32	.12	.89	595.40
689	453447	4244928	10.85	5.80	23.56	2.56	3.62	.21	1.96	2.35	.81	.18	687.10
690	453591	4245892	12.73	6.06	11.75	3.16	2.84	.13	2.46	2.84	.88	.48	1003.00
691	452855	4257727	12.91	2.53	4.96	1.40	.67	.10	2.11	4.35	.09	.64	737.10
692	452926	4257668	12.39	1.88	4.46	1.01	.57	.11	2.28	3.00	.06	.32	629.90
693	453055	4256756	12.26	3.58	6.26	3.04	.58	.13	1.15	2.90	.10	.53	657.40
694	453284	4255852	12.19	1.70	3.71	1.22	.58	.08	2.27	3.81	.06	.41	693.00
695	453407	4255216	12.26	2.27	6.33	2.95	.69	.12	1.46	3.25	.10	.38	724.00
696	452744	4254692	13.96	3.34	6.98	1.93	.79	.17	3.16	2.52	.17	.63	475.20
697	453023	4254952	13.50	3.22	6.40	1.50	.93	.13	3.29	3.31	.18	.39	616.70
698	448431	4252796	13.79	5.33	9.43	3.77	.97	.17	3.05	2.18	.18	.97	469.50
699	448172	4253344	13.37	4.50	10.40	3.81	1.18	.18	3.02	2.27	.16	.49	458.50
700	447934	4253808	14.38	4.77	9.05	3.99	.92	.16	3.37	2.20	.13	.44	450.30
701	447767	4254200	14.06	4.16	8.09	3.32	.97	.15	3.08	2.59	.18	1.27	529.00
702	450023	4253199	13.92	5.66	7.80	2.51	.91	.14	2.40	2.64	.19	1.23	517.50
703	449935	4253364	14.18	5.08	9.72	3.37	1.23	.19	3.18	2.20	.15	.82	417.10
704	450047	4253388	14.06	4.17	8.61	3.70	.98	.19	2.21	2.38	.18	1.07	405.90
705	450856	4253163	7.99	2.75	8.77	1.90	.99	.16	1.64	1.16	.05	1.34	270.60

TABLE 2
STREAM SEDIMENT ANALYTICAL RESULTS

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
1	2.45	24.5	205.2	47.4	31.1	77.7	15	249.3	47.7	275.6	150.7	166.8	.4	5.	.5
2	2.84	7.6	147.1	29.5	55.4	55.7	30	241.6	80.7	167.8	150.8	145.4	.6	5.	1.0
3	2.93	11.4	121.7	42.4	33.9	61.6	30	340.7	50.4	170.9	134.8	124.8	.4	4.	.6
4	2.50	13.7	126.7	27.5	29.1	49.1	20	270.3	29.9	250.0	128.4	157.6	.4	5.	.4
5	2.67	14.5	324.3	31.8	44.2	82.0	15	266.3	30.0	206.2	141.1	135.7	.6	5.	.5
6	2.73	< 7.0	126.7	48.0	26.4	55.1	5	241.6	40.8	391.8	164.9	447.1	.4	6.	.7
7	2.90	15.8	103.4	46.9	37.5	46.7	15	327.4	29.4	172.1	123.2	140.5	.4	5.	.6
8	2.32	15.3	170.2	40.5	36.9	72.4	15	286.2	38.8	188.2	128.9	122.6	.4	5.	.4
9	2.42	22.7	158.3	36.3	34.4	63.6	15	274.0	31.1	195.3	127.7	151.9	.4	4.	.2
10	2.40	16.0	192.6	43.2	33.1	71.1	5	305.6	17.7	188.2	120.2	91.9	.8	3.	.6
11	2.88	9.6	128.3	33.1	42.0	53.5	15	260.8	28.6	264.7	134.7	120.2	.6	4.	.5
12	3.07	19.5	163.2	40.4	41.0	62.8	10	330.2	21.0	193.5	140.3	113.7	.6	4.	.6
13	3.03	14.5	189.4	49.6	22.7	61.1	< 5	219.5	25.0	230.3	149.2	87.6	.6	3.	.6
14	3.64	9.8	176.7	42.4	57.8	62.5	15	289.9	31.1	309.5	129.4	253.4	.6	5.	.7
15	4.04	< 7.0	150.7	34.7	75.4	70.8	5	302.7	29.1	193.6	123.1	89.2	.6	5.	< .2
16	2.20	8.6	144.6	31.1	44.8	72.2	20	309.0	20.0	188.1	114.8	128.6	.6	4.	.3
17	2.37	27.5	211.5	44.0	54.2	84.0	20	256.8	30.8	173.5	121.0	115.6	.4	3.	.5
18	2.08	7.9	235.9	48.9	75.5	108.7	15	280.4	34.0	237.0	132.7	129.2	.6	3.	.4
19	1.60	< 7.0	1226.0	68.6	50.8	436.8	5	259.7	18.2	229.2	117.6	117.7	.4	4.	.5
20	1.92	< 7.0	141.3	30.0	35.0	77.8	10	368.2	15.6	154.0	92.6	99.4	.4	5.	.4
21	1.42	7.5	899.4	81.8	50.3	215.8	< 5	211.6	23.2	394.9	148.6	145.9	.6	5.	1.1
22	2.13	< 7.0	167.7	40.0	54.7	79.8	15	301.3	18.5	164.3	112.9	93.2	.4	4.	.9
23	1.87	< 7.0	157.9	44.0	67.2	78.1	10	273.4	13.3	247.1	127.5	95.3	.6	4.	.4
24	2.26	< 7.0	114.2	62.8	65.8	57.4	5	259.8	17.2	372.4	133.9	180.9	.4	5.	1.4
25	2.27	7.1	265.6	52.9	49.7	127.5	5	241.0	17.9	381.8	132.4	197.4	.4	4.	.6
26	2.77	< 7.0	230.4	53.8	47.8	88.5	5	227.8	25.5	351.5	135.8	156.5	.6	5.	.9
27	2.16	< 7.0	252.8	31.2	30.9	101.5	10	329.0	14.9	189.2	105.1	131.1	.4	4.	.6
28	2.24	< 7.0	263.0	29.1	31.2	99.6	15	352.1	15.2	124.4	84.0	88.6	.6	5.	.7
29	5.94	< 7.0	27.6	24.7	23.5	24.1	5	353.0	99.0	83.8	124.8	1034.0	.4	13.	.8
30	1.85	< 7.0	495.1	46.3	35.1	164.8	5	304.8	15.1	181.2	101.2	88.4	.4	4.	.5
31	2.41	10.5	270.4	40.8	59.0	99.5	15	388.7	16.9	191.0	111.2	103.6	.6	4.	.7
32	2.28	< 7.0	367.2	56.3	25.3	83.8	5	225.0	36.7	475.1	159.9	166.2	.6	4.	.4
33	2.02	< 7.0	157.3	27.0	39.3	61.6	20	308.1	20.8	146.8	113.5	108.8	.4	3.	.5
34	2.75	9.8	130.5	38.4	31.7	48.6	10	294.1	18.8	218.5	127.3	134.1	.6	5.	.7
35	1.99	< 7.0	122.9	28.5	20.8	32.0	10	351.1	20.0	252.4	104.0	121.9	.6	4.	.5
36	1.96	< 7.0	193.4	25.2	27.4	67.5	10	319.2	20.0	151.5	113.3	86.1	.4	4.	.3
37	2.20	< 7.0	239.1	40.2	46.5	89.8	15	240.2	19.0	212.5	139.8	119.6	.4	4.	.7
38	2.57	< 7.0	148.0	34.1	39.4	60.5	20	245.2	15.7	172.8	141.2	182.5	.6	4.	.7
39	2.04	< 7.0	113.7	24.9	19.8	46.2	20	376.8	17.4	142.5	101.3	89.4	.6	4.	.5
40	6.28	< 7.0	53.9	23.3	17.7	33.5	10	228.6	56.6	104.1	135.3	354.2	.4	12.	1.8
41	8.19	< 7.0	131.5	28.4	22.8	49.2	10	193.1	129.6	141.6	182.6	3005.0	.6	6.	1.4

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
42	9.98	< 7.0	28.0	15.8	15.5	14.0	25	149.7	114.2	62.8	159.2	1410.0	.4	4.	1.6
43	5.21	< 7.0	69.1	29.7	28.1	38.1	20	256.3	63.2	144.4	174.4	597.9	.6	6.	1.7
44	3.08	< 7.0	296.6	53.5	33.9	88.8	10	248.9	42.9	353.6	146.5	254.2	.6	5.	.3
45	3.06	< 7.0	179.1	29.0	48.9	80.4	20	326.1	33.7	108.2	123.6	144.0	.4	4.	< .2
46	7.20	< 7.0	4.4	24.7	16.0	13.8	30	147.3	107.6	45.3	254.2	296.2	.4	6.	2.6
47	5.97	< 7.0	.8	26.3	16.9	13.9	< 5	168.1	83.4	51.4	186.3	518.6	.6	14.	3.2
48	6.91	< 7.0	34.0	22.8	20.1	27.2	20	237.9	80.5	114.4	170.6	1400.0	.6	6.	1.0
49	5.87	< 7.0	86.8	14.0	26.3	48.3	15	317.2	73.6	186.8	141.5	725.0	.6	6.	.7
50	7.63	< 7.0	35.7	9.2	27.4	30.2	15	186.8	121.4	125.2	199.8	1724.0	.6	7.	1.4
51	4.07	< 7.0	211.0	43.5	29.2	66.5	10	204.2	63.6	360.9	195.1	677.6	.6	6.	.3
52	3.22	< 7.0	199.9	38.4	49.2	61.5	15	268.5	27.9	215.8	155.7	152.3	.6	6.	.2
53	3.06	< 7.0	155.7	39.3	59.3	72.8	10	303.3	16.1	147.5	137.0	82.9	.6	5.	1.4
54	9.02	< 7.0	38.1	16.3	26.7	25.6	25	148.2	92.5	61.5	255.1	427.0	.6	6.	4.0
55	2.60	< 7.0	100.9	31.0	30.1	55.6	5	306.5	19.0	153.2	106.9	108.6	.6	4.	.6
56	2.48	< 7.0	100.7	36.9	42.9	45.5	10	330.7	18.1	126.3	115.3	92.6	.6	5.	.5
57	2.21	< 7.0	296.8	50.1	94.3	105.1	10	238.7	18.1	221.7	125.9	153.3	.6	5.	.4
58	2.52	10.1	218.3	70.2	57.3	68.7	5	204.9	26.1	774.1	150.5	103.6	.6	6.	.8
59	2.28	7.3	147.8	30.3	30.6	54.7	15	336.4	27.4	159.1	106.6	84.5	.4	5.	1.1
60	2.60	10.9	126.3	43.0	31.7	48.6	5	275.9	28.9	249.4	152.3	150.2	.6	6.	.3
61	2.44	< 7.0	148.5	30.8	29.3	52.5	15	356.2	15.7	154.7	99.7	73.6	.4	5.	.2
62	2.73	9.6	143.6	27.1	31.5	52.5	15	298.6	16.5	126.2	106.2	101.6	.4	4.	.4
63	2.23	< 7.0	133.9	40.5	36.5	52.5	15	319.0	18.0	151.5	106.8	84.7	.6	4.	.4
64	2.51	< 7.0	156.7	40.4	41.5	61.2	15	319.2	17.5	203.1	129.1	121.4	.6	3.	.4
65	2.13	< 7.0	119.0	28.1	40.3	48.7	10	357.7	16.1	144.9	116.1	99.8	.6	3.	.6
66	2.49	< 7.0	173.5	41.2	48.1	68.4	5	323.4	17.6	199.1	146.8	101.6	.6	3.	.6
67	2.18	< 7.0	140.4	41.2	41.1	55.8	10	261.7	19.0	234.3	148.7	158.2	.6	4.	.8
68	2.26	< 7.0	133.1	38.3	29.7	44.8	5	285.7	21.4	222.4	126.7	164.2	.6	4.	.4
69	2.33	11.1	173.8	49.3	36.5	54.9	20	234.2	38.2	282.3	147.6	175.9	.6	5.	.5
70	2.49	< 7.0	87.5	33.1	24.5	36.4	10	273.0	20.4	164.8	121.9	135.9	.6	3.	.6
71	2.34	9.1	82.8	54.1	34.0	48.0	10	251.2	37.5	380.0	204.0	203.2	.6	5.	1.2
72	1.63	< 7.0	20.6	13.4	12.1	13.3	20	247.0	12.0	40.0	67.3	92.4	.2	3.	1.0
73	2.18	< 7.0	78.7	29.8	35.7	33.0	40	231.7	39.9	139.4	184.1	178.7	.6	4.	.7
74	2.03	< 7.0	83.0	27.8	18.4	30.8	35	160.6	30.6	110.6	162.5	139.5	.4	3.	.7
75	2.16	< 7.0	131.2	40.3	22.1	36.4	55	135.2	41.3	186.2	186.3	134.3	.4	3.	.8
76	1.97	10.1	101.9	52.7	20.9	45.5	20	182.2	53.2	256.3	158.6	181.6	.6	4.	1.0
77	2.74	15.5	80.3	30.3	39.0	43.7	20	283.8	39.1	93.9	140.1	180.5	.6	4.	1.5
78	1.82	16.7	160.6	39.4	39.0	81.1	65	300.3	40.4	113.0	185.2	157.6	.6	4.	1.0
79	1.71	16.7	127.0	39.8	35.9	55.6	60	247.8	58.5	116.2	197.0	211.0	.6	5.	1.2
80	2.73	14.4	114.3	27.8	53.5	49.0	45	169.2	32.1	118.9	240.1	147.6	.6	5.	1.3
81	2.26	< 7.0	77.8	40.9	19.7	49.6	25	200.0	66.7	130.8	126.8	150.5	.4	5.	1.0
82	2.17	< 7.0	105.4	8.2	28.3	54.9	30	244.7	23.5	109.3	154.0	190.0	.4	5.	.7
83	2.05	9.1	103.2	23.7	26.8	43.8	20	243.0	70.9	172.0	132.2	189.4	.4	5.	.7

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
84	2.10	< 7.0	93.7	13.6	59.9	43.5	105	223.2	40.4	133.9	276.6	152.0	.6	5.	.8
85	1.95	< 7.0	101.9	25.5	35.8	51.2	40	205.9	20.2	220.4	189.3	122.2	.6	4.	.5
86	3.29	< 7.0	83.9	29.0	32.2	42.2	20	228.7	42.5	197.6	131.8	216.5	.4	5.	.8
87	2.31	< 7.0	272.5	24.2	37.4	76.6	25	277.8	35.2	221.9	143.4	142.6	.6	4.	.4
88	2.28	< 7.0	132.4	13.9	61.5	73.1	35	354.0	20.6	134.5	175.7	113.1	.6	5.	.6
89	2.04	< 7.0	144.8	10.6	61.9	71.1	30	295.4	17.9	142.5	144.8	127.1	.6	5.	.7
90	2.03	< 7.0	59.2	8.2	35.1	36.6	35	275.6	23.6	152.4	172.2	126.1	.6	5.	.5
91	2.60	< 7.0	100.5	14.0	43.7	61.1	25	281.1	10.7	131.2	178.7	135.0	.6	6.	.4
92	2.43	< 7.0	130.3	83.4	3.4	75.4	< 5	172.3	32.7	776.1	246.3	375.6	.6	6.	.7
93	2.31	8.3	117.6	15.1	12.7	47.0	5	433.6	18.5	265.9	119.9	115.7	.6	5.	.5
94	2.94	< 7.0	72.6	13.6	28.5	38.6	25	270.3	26.3	144.3	143.6	128.5	.4	4.	.5
95	2.29	< 7.0	83.1	11.2	40.5	38.6	20	308.9	23.6	123.4	145.3	163.7	.4	5.	1.0
96	2.95	< 7.0	126.8	22.8	12.9	47.4	15	200.4	113.9	238.8	111.9	274.7	.4	4.	.9
97	2.37	< 7.0	97.1	39.5	44.6	75.6	15	238.6	47.4	286.4	166.5	173.3	.4	6.	1.0
98	2.15	11.6	134.9	11.5	43.9	54.9	25	298.7	11.3	151.1	144.2	142.5	.4	4.	.4
99	2.09	11.8	119.0	11.9	57.2	53.6	30	275.2	12.0	137.6	157.6	164.3	.4	5.	.8
100	2.35	< 7.0	148.8	40.2	75.7	77.2	20	273.0	18.0	204.5	175.5	138.1	.4	5.	.7
101	2.18	< 7.0	141.1	38.6	37.6	64.2	20	330.9	26.7	155.5	132.1	124.0	.4	5.	.9
102	1.61	< 7.0	19.9	25.9	15.2	20.3	20	187.0	19.9	61.7	167.7	148.7	.4	5.	.5
103	2.85	< 7.0	274.9	88.7	28.7	86.6	20	190.7	88.3	647.7	167.0	445.6	.4	5.	.8
104	2.23	9.0	121.4	30.3	19.9	52.0	15	375.8	27.2	132.5	95.4	133.2	.2	4.	.7
105	2.17	< 7.0	70.4	31.3	44.1	46.4	20	317.3	20.3	103.1	116.3	89.5	.4	4.	.4
106	2.18	11.2	111.3	40.8	23.5	52.0	5	360.2	26.8	263.7	114.9	198.5	.4	4.	.6
107	1.91	< 7.0	92.2	28.9	38.2	44.2	20	257.0	26.0	171.7	152.6	171.2	.6	5.	.4
108	2.19	7.0	128.4	44.2	36.9	51.9	25	276.1	28.5	177.4	160.8	141.5	.4	5.	.6
109	2.06	< 7.0	130.0	28.8	39.2	56.7	25	249.8	29.5	187.8	133.8	139.3	.2	5.	.5
110	2.06	12.3	101.2	40.0	100.6	44.1	35	288.1	28.6	228.3	138.1	139.6	.2	4.	.3
111	2.18	7.2	123.5	30.1	25.2	52.0	10	350.4	17.9	217.6	115.5	103.4	.2	4.	.8
112	3.49	< 7.0	88.0	26.0	34.0	46.4	30	282.5	40.2	118.3	123.5	324.3	.2	10.	.7
113	2.22	< 7.0	46.1	53.5	37.9	45.6	5	298.9	27.3	271.7	149.9	154.0	.2	5.	.6
114	5.18	< 7.0	94.5	24.3	20.0	42.8	15	277.3	39.9	137.8	144.1	226.0	<.2	5.	.7
115	6.11	< 7.0	13.4	13.0	17.3	13.8	25	173.1	78.9	55.1	139.1	758.5	.2	6.	.8
116	9.43	13.6	251.4	38.9	28.3	94.7	25	148.3	66.3	134.6	230.5	824.4	<.2	4.	.7
117	4.11	< 7.0	172.0	40.3	40.0	62.8	20	256.8	51.7	205.1	137.7	315.4	.6	4.	.5
118	3.91	< 7.0	234.3	30.8	37.1	63.4	25	233.9	28.2	297.7	133.7	169.7	.2	4.	.4
119	2.19	< 7.0	177.1	28.7	40.4	64.5	20	276.3	49.7	251.6	116.5	187.0	.2	5.	.5
120	1.72	< 7.0	67.5	22.0	52.6	42.5	30	290.4	16.5	233.8	145.3	65.4	<.2	5.	.6
121	5.66	< 7.0	73.5	14.8	22.3	23.1	15	303.7	62.6	130.2	127.9	1560.0	<.2	8.	.7
122	3.97	< 7.0	67.6	3.7	31.5	30.2	30	320.4	22.0	95.6	92.8	162.3	<.2	8.	.4
123	2.60	< 7.0	105.3	< 2.5	33.7	40.9	30	318.2	18.3	112.7	83.7	185.0	<.2	5.	.9
124	2.00	< 7.0	296.6	45.5	25.9	55.5	15	223.1	51.0	612.0	144.5	523.5	<.2	4.	.4

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
125	1.99	< 7.0	158.5	23.4	44.5	66.5	10	310.5	22.1	237.4	114.7	100.0	<.2	4.	.4
126	2.01	< 7.0	166.6	6.8	23.4	76.7	15	313.8	17.6	95.7	81.8	101.7	<.2	5.	.9
127	2.44	< 7.0	98.3	3.7	46.8	45.5	25	335.6	21.4	124.5	109.6	117.9	.4	4.	.2
128	2.64	< 7.0	165.1	29.3	35.2	58.9	10	365.7	65.3	326.1	129.7	206.3	.2	8.	.3
129	1.72	< 7.0	212.1	20.4	25.4	49.7	10	309.5	22.3	285.0	96.8	134.2	.2	5.	.3
130	2.20	< 7.0	148.4	17.5	27.3	54.2	15	366.2	17.4	133.1	81.0	108.2	.2	4.	.4
131	2.01	< 7.0	113.6	20.1	20.3	39.8	15	347.1	33.6	169.2	71.7	148.0	.2	4.	.4
132	2.16	< 7.0	112.9	31.1	30.0	55.6	10	402.1	16.3	168.0	97.6	100.4	<.2	5.	.5
133	2.05	< 7.0	114.4	29.5	26.0	55.6	10	402.6	18.7	194.7	88.8	111.0	<.2	6.	.4
134	1.75	< 7.0	178.7	30.8	34.6	55.9	15	295.8	27.1	230.5	97.0	110.9	.2	5.	.3
135	1.62	< 7.0	225.6	48.3	24.3	63.4	< 5	178.2	59.6	661.7	130.8	164.1	.2	4.	.3
136	2.42	< 7.0	103.7	40.2	31.4	41.5	10	303.2	28.2	258.8	112.2	433.3	.2	5.	< .2
137	2.13	< 7.0	107.7	44.4	37.1	51.7	10	261.5	37.4	286.1	134.3	188.7	.2	5.	.5
138	2.14	< 7.0	66.3	41.9	31.9	40.1	5	321.8	25.4	195.6	102.7	117.1	<.2	4.	< .2
139	2.16	< 7.0	67.5	12.3	26.3	33.2	20	502.1	20.5	213.1	82.6	122.7	<.2	6.	< .2
140	1.83	< 7.0	42.1	13.4	19.9	28.1	20	406.5	24.5	100.6	63.4	92.8	.2	4.	< .2
141	2.49	< 7.0	104.7	59.0	41.2	65.7	10	407.9	24.9	243.0	142.7	96.8	<.2	5.	.7
142	2.47	< 7.0	139.1	55.7	31.5	68.3	15	254.1	29.2	346.4	141.0	133.1	.4	6.	.5
143	2.95	< 7.0	149.3	54.6	33.5	61.8	15	282.1	29.2	320.0	134.0	168.0	<.2	5.	.5
144	2.39	< 7.0	174.4	76.2	42.1	71.4	10	307.4	20.2	490.1	160.4	239.5	<.2	5.	.4
145	2.22	< 7.0	277.5	98.2	57.0	137.7	15	342.6	38.7	460.9	192.9	179.8	.2	4.	1.4
146	2.23	< 7.0	278.0	90.1	46.1	87.8	10	214.8	37.4	473.7	133.8	175.4	.2	4.	1.0
147	2.57	< 7.0	124.1	32.4	46.7	70.4	20	369.4	18.4	195.6	135.4	92.1	<.2	4.	1.1
148	3.42	< 7.0	92.5	47.4	57.4	68.7	15	384.2	18.3	217.6	151.2	109.0	<.2	5.	.7
149	2.73	< 7.0	70.0	21.1	38.5	41.5	15	269.4	10.9	160.9	158.4	102.7	<.2	5.	.7
150	1.90	< 7.0	77.2	15.5	40.3	39.3	30	303.7	11.9	124.8	141.5	112.3	<.2	4.	1.4
151	2.39	< 7.0	64.5	30.1	31.9	33.0	15	325.9	48.2	361.3	134.0	179.1	<.2	6.	1.4
152	1.31	< 7.0	85.0	20.6	38.9	47.8	5	295.7	9.4	160.6	88.7	68.1	<.2	3.	.3
153	1.37	< 7.0	7.7	100.6	49.2	43.6	< 5	456.0	17.0	723.1	171.3	83.2	<.2	5.	.7
154	1.27	7.1	76.0	29.2	63.8	55.3	10	536.9	18.8	138.0	73.5	69.4	<.2	4.	.8
155	1.90	< 7.0	218.4	34.2	56.2	85.4	25	199.9	23.2	172.2	156.2	152.2	<.2	4.	.6
156	2.25	< 7.0	188.3	35.1	35.4	82.3	10	247.5	21.0	173.0	120.3	105.0	<.2	4.	1.5
157	2.14	< 7.0	374.9	35.0	42.5	121.9	15	281.1	30.4	218.7	136.5	145.4	<.2	4.	.9
158	2.38	< 7.0	150.2	29.2	47.2	67.9	15	296.5	22.0	166.2	119.3	103.1	<.2	5.	.7
159	1.89	< 7.0	134.2	34.2	40.4	67.8	15	238.9	22.7	175.9	137.5	139.7	<.2	4.	.7
160	1.75	< 7.0	469.6	35.7	37.2	132.1	25	243.5	26.6	191.2	168.0	100.2	<.2	5.	1.2
161	1.97	< 7.0	267.0	47.1	47.8	103.0	10	295.8	20.7	209.1	139.1	139.6	.2	5.	.7
162	2.23	< 7.0	192.1	29.3	47.4	73.7	20	279.9	22.6	247.0	147.6	182.3	.2	5.	1.1
163	1.91	7.0	166.9	35.6	72.8	75.2	30	267.3	30.8	174.0	180.0	106.1	.2	4.	.9
164	2.38	13.4	160.5	32.2	51.8	69.1	30	317.1	25.5	151.9	173.2	142.5	.2	4.	.8
165	2.19	20.0	169.1	35.7	35.0	61.0	25	244.5	22.1	213.8	168.9	192.5	.2	5.	1.0

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
166	2.25	< 7.0	257.6	34.0	55.3	92.8	25	249.2	33.0	172.3	147.6	140.0	.2	5.	.4
167	2.46	9.8	216.5	46.3	32.3	56.0	10	256.2	42.0	369.8	140.5	222.2	.2	5.	1.3
168	2.22	11.4	172.0	45.2	39.4	63.1	15	269.6	30.2	235.7	146.4	218.3	.2	4.	1.0
169	2.57	< 7.0	179.1	31.0	39.6	74.8	10	254.0	25.0	165.8	139.1	123.3	.2	5.	.7
170	2.22	< 7.0	159.2	31.0	44.3	69.1	10	226.0	22.7	186.7	138.3	105.6	.2	4.	1.4
171	1.08	8.5	219.0	49.7	132.1	119.3	20	476.5	12.5	224.0	85.7	79.2	<.2	4.	.4
172	1.13	< 7.0	139.9	34.1	101.6	80.4	25	440.3	17.0	167.0	89.0	65.1	.2	4.	.4
173	1.09	< 7.0	264.8	62.7	64.0	189.7	10	343.7	12.8	234.7	94.9	81.8	.2	4.	1.1
174	1.19	< 7.0	316.1	60.3	44.8	197.3	10	287.0	16.4	178.4	77.8	79.3	.4	4.	.4
175	2.26	< 7.0	79.7	27.2	23.6	32.5	10	317.0	29.6	173.1	92.2	126.8	<.2	4.	1.5
176	2.04	< 7.0	68.2	45.3	27.6	38.9	15	241.9	29.9	304.1	136.5	239.7	<.2	4.	.5
177	2.14	< 7.0	71.3	15.1	28.9	31.9	15	271.6	17.1	171.3	106.2	127.9	<.2	4.	.3
178	2.64	< 7.0	86.6	47.3	34.7	43.5	15	266.4	30.9	267.0	137.4	163.7	<.2	6.	.2
179	2.33	< 7.0	116.8	30.1	35.6	44.7	15	275.7	44.6	236.0	116.0	468.4	.2	5.	.3
180	2.27	< 7.0	89.3	34.0	23.0	39.0	10	300.0	23.6	189.1	116.5	148.9	<.2	3.	< .2
181	2.17	< 7.0	89.1	63.3	25.1	43.5	5	212.7	35.7	366.3	146.5	271.0	<.2	7.	.4
182	2.12	< 7.0	202.8	76.3	27.6	64.3	< 5	203.8	33.2	433.4	172.5	344.1	<.2	6.	< .2
183	2.29	< 7.0	163.7	59.2	31.4	64.4	5	244.8	27.4	279.6	154.1	178.6	<.2	5.	.3
184	2.27	< 7.0	106.5	37.5	28.8	46.0	15	290.2	29.8	208.1	135.9	180.4	.2	4.	.3
185	2.13	< 7.0	84.5	11.5	34.4	39.0	15	335.4	18.9	112.7	106.3	98.0	<.2	4.	.7
186	2.11	< 7.0	116.9	31.4	33.7	47.7	5	259.0	28.6	169.3	158.9	209.9	<.2	5.	.4
187	1.79	< 7.0	86.8	20.1	29.9	43.7	15	273.6	21.5	136.4	146.2	185.7	<.2	4.	.5
188	2.07	< 7.0	163.8	31.3	38.5	63.3	20	227.3	24.2	197.8	150.1	222.4	<.2	5.	< .2
189	1.83	< 7.0	154.3	19.4	34.0	53.8	20	251.9	30.1	195.2	134.8	148.9	<.2	3.	< .2
190	1.90	< 7.0	98.9	13.0	25.1	55.2	10	403.8	12.8	126.3	97.7	59.8	<.2	9.	< .2
191	2.12	< 7.0	167.4	47.8	31.7	54.2	20	250.8	90.5	332.1	136.9	321.4	<.2	4.	.5
192	2.08	< 7.0	130.0	30.8	34.9	53.2	20	279.0	50.4	210.8	134.8	148.9	<.2	4.	.3
193	1.99	< 7.0	173.1	31.1	33.4	57.7	15	249.1	37.3	244.8	116.9	207.8	<.2	4.	.5
194	1.79	< 7.0	74.1	29.9	27.1	35.3	20	350.2	22.9	165.4	98.2	118.5	<.2	4.	< .2
195	1.48	< 7.0	63.1	34.0	29.5	35.1	45	245.4	40.0	124.0	146.9	198.8	.2	4.	.6
196	1.19	< 7.0	169.2	70.0	68.8	76.1	20	360.4	33.1	338.9	134.4	78.4	.2	5.	.3
197	1.64	< 7.0	90.8	37.4	56.1	47.2	25	246.5	33.5	190.8	175.3	134.9	.2	5.	< .2
198	1.65	< 7.0	93.0	28.2	23.8	39.0	30	216.4	27.6	137.1	139.1	137.5	.2	4.	.4
199	1.81	< 7.0	121.6	16.4	34.0	43.0	20	262.1	37.3	157.2	132.1	139.2	.2	5.	.9
200	2.26	< 7.0	77.3	14.4	36.3	30.5	25	238.5	19.4	106.7	137.4	142.2	.2	4.	.3
201	1.78	< 7.0	210.3	57.7	24.3	53.6	15	182.9	123.2	391.7	152.2	157.9	.2	7.	.5
202	2.14	< 7.0	91.6	17.9	35.6	33.5	30	220.6	19.2	149.0	168.6	170.3	.2	4.	.5
203	1.77	< 7.0	56.5	29.9	381.5	29.9	40	177.7	22.8	105.0	494.9	143.7	.4	5.	.3
204	1.80	< 7.0	94.0	11.9	164.5	41.9	45	241.5	21.9	138.0	230.6	134.5	.4	4.	.7
205	1.99	< 7.0	96.8	20.8	29.1	42.1	15	411.8	24.9	146.1	98.7	122.0	.2	4.	.4
206	1.83	< 7.0	97.1	34.8	48.9	41.2	20	254.8	20.6	165.9	148.6	138.2	.2	6.	1.3
207	2.15	< 7.0	117.6	32.6	41.2	54.5	25	239.2	20.5	179.9	170.5	144.0	.4	5.	.9

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
208	1.49	< 7.0	69.2	16.7	40.2	29.2	30	514.4	18.3	104.4	160.7	90.7	.2	5.	.8
209	2.32	< 7.0	210.6	65.9	21.1	70.5	15	230.3	65.8	501.5	181.3	227.5	.2	6.	.5
210	1.81	< 7.0	97.8	23.2	38.6	40.2	30	319.1	32.6	193.8	173.3	128.4	<.2	6.	1.1
211	1.99	< 7.0	95.1	23.1	26.6	43.4	30	229.9	39.4	193.1	158.8	203.0	<.2	5.	< .2
212	2.06	< 7.0	86.6	37.5	26.7	40.1	25	224.4	64.6	206.1	159.8	142.4	<.2	5.	.5
213	1.75	< 7.0	94.8	22.0	28.5	56.3	20	482.7	22.5	128.3	106.5	122.4	<.2	5.	.3
214	2.25	< 7.0	118.5	39.6	26.4	38.6	15	375.1	35.4	375.1	173.6	150.2	<.2	10.	.3
215	1.43	< 7.0	417.2	75.7	43.9	183.0	5	367.0	12.9	384.8	144.1	82.4	<.2	4.	< .2
216	2.28	< 7.0	44.4	18.6	17.2	23.8	15	368.8	22.1	176.0	126.4	125.9	<.2	5.	.3
217	2.91	< 7.0	26.2	29.2	15.5	22.0	25	330.2	38.8	138.7	125.4	212.7	<.2	5.	.6
218	1.94	< 7.0	71.7	38.0	53.4	53.4	15	524.6	22.4	158.6	84.8	101.1	<.2	5.	.7
219	2.17	< 7.0	138.3	42.2	94.2	91.7	15	390.3	18.3	207.6	114.8	111.6	<.2	5.	< .2
220	3.14	< 7.0	42.2	35.5	17.6	30.6	15	472.6	31.8	180.6	122.9	143.8	<.2	5.	< .2
221	3.16	< 7.0	44.2	49.1	25.5	40.8	15	293.1	30.7	358.6	179.4	147.7	<.2	7.	.5
222	2.22	< 7.0	62.1	28.7	29.2	29.4	25	301.9	15.6	106.0	96.7	105.8	<.2	4.	.6
223	1.68	< 7.0	199.1	49.8	20.3	73.2	5	224.1	19.6	189.3	105.2	93.5	<.2	4.	.7
224	2.86	< 7.0	72.6	27.9	21.4	31.5	15	249.4	27.3	111.2	96.7	162.0	<.2	5.	.4
225	2.64	< 7.0	68.3	37.1	14.4	44.3	5	266.9	24.2	282.9	115.7	98.9	<.2	4.	< .2
226	2.09	< 7.0	40.5	21.2	48.7	28.8	30	238.5	30.6	117.5	128.4	127.0	<.2	4.	.2
227	2.44	< 7.0	71.5	53.8	37.1	38.4	25	188.0	28.8	432.9	216.4	148.6	<.2	5.	.2
228	2.59	< 7.0	65.9	28.8	43.3	33.3	55	193.6	35.8	201.3	224.5	173.9	.2	5.	< .2
229	2.55	< 7.0	71.0	35.2	18.1	31.8	20	234.4	45.3	175.8	144.2	163.6	<.2	7.	1.0
230	2.80	< 7.0	77.8	29.7	20.8	32.1	30	260.0	39.4	154.1	137.9	158.1	<.2	5.	< .2
231	2.63	< 7.0	54.8	23.4	16.5	25.7	30	235.3	39.9	98.1	117.0	128.6	<.2	0.	6.0
232	2.53	< 7.0	56.2	22.6	16.3	25.7	20	259.6	24.9	104.0	96.0	151.4	<.2	3.	< .2
233	2.46	< 7.0	67.6	25.0	49.4	28.8	20	253.5	29.4	136.1	132.5	148.1	<.2	5.	< .2
234	1.94	< 7.0	91.3	41.6	27.0	46.6	25	234.2	59.1	202.7	156.5	142.4	<.2	5.	1.1
235	1.89	< 7.0	51.9	22.5	28.6	29.7	40	216.1	30.8	91.6	130.0	135.5	<.2	5.	.4
236	2.08	< 7.0	99.5	49.7	38.0	52.8	30	237.6	23.3	215.8	145.7	141.7	<.2	4.	< .2
237	2.19	< 7.0	57.4	25.4	27.2	28.5	40	213.3	29.8	92.4	138.1	138.2	.2	4.	.7
238	2.49	< 7.0	73.7	29.6	51.4	33.2	45	191.9	39.4	108.9	193.6	169.1	<.2	5.	< .2
239	1.96	< 7.0	54.4	28.1	31.0	32.7	35	241.3	30.4	98.0	135.7	128.6	<.2	5.	.3
240	2.79	18.4	29.8	55.0	39.7	38.1	35	298.5	29.1	228.7	206.1	118.6	<.2	6.	.2
241	2.29	< 7.0	41.7	26.8	21.5	21.8	45	304.5	30.7	88.5	115.4	111.0	<.2	5.	< .2
242	2.45	< 7.0	72.3	26.8	25.0	33.3	45	290.5	28.6	101.7	156.7	125.5	<.2	5.	.2
243	2.42	< 7.0	77.9	40.6	25.2	38.2	30	315.4	30.6	191.4	157.7	137.2	<.2	4.	.3
244	2.45	< 7.0	82.3	34.5	40.3	35.4	25	246.8	42.3	164.5	143.4	158.3	<.2	5.	.4
245	2.75	< 7.0	104.1	37.7	26.3	40.0	30	249.3	49.3	157.1	145.8	170.0	<.2	5.	.9
246	1.94	< 7.0	184.2	49.6	654.8	117.3	15	380.1	23.8	172.1	233.0	109.7	.2	5.	.2
247	2.15	< 7.0	261.2	52.4	80.1	132.8	15	381.2	23.7	202.1	86.6	120.3	.2	5.	< .2
248	1.90	< 7.0	322.6	64.8	90.8	135.8	10	328.4	31.6	322.2	114.6	124.4	<.2	5.	< .2
249	2.52	< 7.0	104.5	43.3	35.6	56.2	15	327.5	29.5	155.5	122.8	108.9	<.2	5.	.6

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
250	2.31	< 7.0	103.4	67.8	31.7	57.9	20	224.0	38.9	516.7	183.4	236.9	<.2	6.	< .2
251	2.53	< 7.0	134.6	43.4	38.2	59.5	20	285.0	35.4	175.4	118.6	203.2	<.2	5.	.4
252	2.48	< 7.0	94.1	64.9	22.9	49.0	10	259.5	34.2	321.3	190.3	566.4	<.2	8.	< .2
253	2.40	< 7.0	59.2	41.7	27.5	37.8	30	311.9	34.4	169.1	153.7	188.2	<.2	4.	.3
254	2.60	< 7.0	62.6	54.8	26.2	49.1	20	404.1	36.7	234.4	162.9	235.4	<.2	5.	.5
255	2.54	< 7.0	202.5	55.7	39.4	75.8	15	278.5	32.5	267.0	152.1	151.8	<.2	6.	.5
256	2.58	< 7.0	141.2	41.8	37.6	65.9	15	339.3	26.7	145.3	134.6	89.9	<.2	4.	.7
257	2.28	< 7.0	118.7	50.2	28.0	39.6	25	172.1	55.3	362.7	126.9	575.6	<.2	4.	.7
258	2.63	< 7.0	214.2	47.6	21.6	53.1	25	172.5	40.0	285.7	138.0	158.0	<.2	4.	.7
259	2.84	< 7.0	112.5	43.5	23.6	50.4	40	163.9	35.5	138.3	149.5	132.5	<.2	4.	.6
260	2.23	< 7.0	51.4	40.6	34.0	33.6	25	201.9	29.7	129.7	144.2	133.0	<.2	5.	.9
261	2.58	< 7.0	64.3	33.4	26.4	31.5	35	244.8	31.2	157.1	159.0	160.0	.2	5.	.6
262	2.63	< 7.0	55.0	50.2	31.2	32.0	20	170.7	27.7	258.9	188.2	185.5	.2	5.	< .2
263	2.29	< 7.0	111.1	49.2	33.4	55.4	35	257.6	22.3	189.0	157.6	132.3	<.2	4.	1.3
264	2.59	< 7.0	82.0	44.3	23.6	35.1	15	246.8	28.2	219.8	134.7	125.6	<.2	5.	.9
265	2.18	< 7.0	76.0	40.6	47.7	29.1	15	351.1	16.0	168.5	133.7	122.1	<.2	5.	1.0
266	2.41	< 7.0	44.9	43.3	36.9	25.6	50	243.4	23.5	145.9	220.5	151.9	<.2	5.	1.6
267	2.48	< 7.0	84.0	51.0	47.9	36.8	20	188.0	28.8	255.0	165.9	146.4	<.2	5.	1.2
268	2.10	< 7.0	67.8	30.2	23.6	28.4	25	205.9	24.8	135.8	121.6	111.9	<.2	5.	.3
269	.85	< 7.0	57.4	23.1	23.6	39.7	10	34.5	26.0	50.0	91.1	15.3	<.2	4.	.4
270	1.38	< 7.0	48.7	31.0	21.9	27.3	10	237.9	27.4	115.9	88.2	130.1	<.2	3.	.9
271	.66	< 7.0	10.3	15.3	7.8	7.9	5	83.0	15.6	27.8	23.9	45.5	<.2	4.	.6
272	2.36	< 7.0	74.2	29.4	25.6	44.2	30	191.6	40.0	91.7	119.5	115.2	<.2	4.	.6
273	1.90	7.5	54.1	29.9	24.5	28.0	45	179.5	74.6	107.2	173.8	218.7	<.2	5.	1.5
274	2.03	< 7.0	49.1	45.5	19.0	35.0	25	200.3	50.0	193.4	177.8	185.4	<.2	6.	.8
275	2.38	< 7.0	70.4	31.7	24.1	35.0	15	208.6	24.6	115.3	95.6	205.4	<.2	3.	.5
276	1.82	< 7.0	51.5	24.3	13.7	28.2	15	281.6	21.5	91.4	81.1	103.5	<.2	3.	.4
277	2.18	7.6	90.9	31.0	20.2	40.3	30	201.1	51.8	102.3	124.0	256.2	<.2	4.	.6
278	1.89	< 7.0	81.4	40.4	30.3	43.4	30	212.9	119.5	129.4	117.0	193.7	<.2	6.	1.6
279	1.75	< 7.0	44.0	30.9	14.1	24.8	15	253.4	28.1	84.9	82.7	112.6	<.2	4.	.5
280	1.91	< 7.0	61.6	34.6	22.9	29.8	20	242.0	46.6	107.5	98.7	159.3	<.2	4.	1.1
281	1.91	< 7.0	81.7	31.9	22.8	31.1	30	230.4	53.4	105.1	106.4	159.8	<.2	5.	1.0
282	2.09	< 7.0	57.2	30.1	16.2	31.1	20	194.1	24.9	83.6	94.3	111.0	<.2	5.	.9
283	2.12	< 7.0	42.2	24.5	38.9	23.5	30	271.3	25.0	79.7	107.6	125.8	<.2	4.	1.8
284	2.49	< 7.0	65.4	30.9	46.5	27.7	35	242.8	24.8	130.5	142.9	149.4	<.2	4.	.8
285	2.67	< 7.0	113.3	48.5	22.9	32.8	10	246.0	38.9	286.0	114.8	163.8	<.2	4.	1.1
286	2.95	< 7.0	127.9	49.9	31.0	43.0	10	251.6	25.2	325.9	158.3	158.8	<.2	4.	1.5
287	2.39	< 7.0	53.8	32.7	28.8	45.5	20	293.0	32.3	103.3	125.7	141.3	<.2	3.	3.2
288	2.37	< 7.0	43.1	31.2	22.2	24.6	40	139.5	40.0	78.8	197.2	193.9	<.2	4.	.8
289	2.51	< 7.0	40.6	28.5	24.0	23.8	45	175.4	30.5	68.4	185.7	222.5	<.2	5.	.6
290	2.66	< 7.0	26.7	23.0	26.1	18.0	35	104.3	30.3	61.6	163.4	191.7	<.2	4.	.7
291	2.63	< 7.0	40.9	23.5	29.1	23.3	35	201.2	28.1	73.9	141.0	152.8	<.2	3.	.2

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
292	2.51	< 7.0	44.0	22.9	31.1	28.5	40	144.8	28.5	80.5	175.9	182.8	<.2	3.	.6
293	2.65	< 7.0	56.0	41.8	24.9	27.2	25	316.3	25.7	117.2	99.3	138.6	<.2	4.	1.0
294	2.36	< 7.0	68.6	34.2	37.5	36.3	25	240.6	37.2	119.7	139.6	154.3	<.2	4.	1.6
295	2.36	< 7.0	59.5	42.6	37.8	38.2	25	235.5	38.4	125.3	126.4	129.7	<.2	4.	3.4
296	2.21	< 7.0	77.6	30.8	30.2	33.5	25	282.9	27.9	143.8	126.1	154.3	<.2	5.	1.5
297	2.38	< 7.0	39.6	21.1	23.1	25.1	55	206.4	43.4	106.2	187.2	192.9	<.2	4.	1.5
298	2.66	< 7.0	24.8	24.6	28.8	16.7	35	104.0	31.3	77.1	158.1	289.3	<.2	3.	2.8
299	2.47	< 7.0	56.0	27.7	25.1	29.8	25	209.9	20.7	101.4	132.8	133.0	<.2	4.	.8
300	2.63	< 7.0	60.0	30.3	36.0	28.8	50	214.7	34.7	102.3	201.4	164.8	<.2	5.	4.8
301	2.71	< 7.0	95.2	37.7	29.8	46.6	20	221.6	33.3	162.7	146.2	137.9	<.2	4.	< .2
302	3.14	< 7.0	61.5	50.4	39.0	50.3	20	222.0	27.1	184.1	169.3	135.2	<.2	4.	.4
303	3.35	< 7.0	69.6	39.1	23.8	41.6	15	231.0	26.2	117.3	116.8	140.5	<.2	4.	.2
304	2.96	< 7.0	232.3	67.3	67.9	118.7	10	419.7	30.1	233.4	170.1	153.9	<.2	6.	1.3
305	2.44	< 7.0	73.0	36.5	31.8	41.6	15	254.3	41.7	142.6	129.0	159.7	<.2	5.	.3
306	3.48	< 7.0	64.3	37.6	33.8	47.9	20	253.1	23.5	114.8	140.3	128.5	<.2	5.	.7
307	2.84	< 7.0	73.1	40.6	34.7	49.4	25	219.1	39.4	161.2	157.5	180.9	<.2	4.	< .2
308	2.42	< 7.0	151.0	47.9	37.4	47.2	20	203.4	116.7	202.7	138.0	122.5	<.2	7.	< .2
309	1.98	< 7.0	95.0	40.1	59.5	88.7	20	421.7	23.8	101.0	147.4	114.9	<.2	4.	1.6
310	2.31	< 7.0	175.3	55.1	24.9	76.4	10	259.7	68.0	326.7	134.5	166.7	<.2	5.	< .2
311	2.70	< 7.0	57.0	24.9	27.0	29.4	40	277.6	55.4	99.4	150.3	182.9	<.2	4.	< .2
312	2.61	< 7.0	122.1	42.3	37.0	65.3	15	366.2	46.8	161.5	139.6	219.5	<.2	4.	.3
313	2.71	< 7.0	51.9	22.2	28.2	32.1	40	270.9	40.9	93.7	160.9	175.3	<.2	4.	1.0
314	2.63	< 7.0	104.4	29.5	44.0	50.4	20	285.9	37.0	129.3	145.0	160.1	<.2	5.	.6
315	2.48	< 7.0	157.7	43.0	36.3	65.9	15	300.6	27.3	162.0	136.2	158.9	<.2	4.	.5
316	1.93	< 7.0	63.3	25.5	16.7	33.6	15	455.9	31.1	132.0	96.7	120.7	<.2	5.	.8
317	1.32	< 7.0	42.3	21.3	14.5	28.6	35	317.0	35.1	82.2	139.2	106.8	<.2	5.	< .2
318	1.97	< 7.0	52.2	23.0	26.0	35.9	40	331.2	32.0	94.7	151.6	109.2	<.2	12.	2.0
319	1.32	< 7.0	33.4	20.7	12.7	18.8	25	258.2	29.7	70.0	103.5	103.7	<.2	5.	.9
320	2.27	< 7.0	34.0	22.2	25.9	17.5	30	144.3	26.8	50.4	108.4	151.0	<.2	5.	.6
321	3.15	< 7.0	71.8	35.9	32.4	25.6	35	182.3	42.0	148.8	149.5	237.9	<.2	4.	.5
322	1.19	< 7.0	25.1	19.4	10.8	19.4	15	171.0	24.2	53.0	49.2	93.3	<.2	4.	.8
323	2.58	< 7.0	71.3	27.9	22.5	37.9	25	229.8	24.1	91.2	100.5	109.6	<.2	4.	.5
324	2.62	< 7.0	102.0	40.9	26.2	46.6	45	162.2	40.4	168.9	165.6	135.2	<.2	4.	1.4
325	2.75	< 7.0	55.2	38.4	31.1	32.1	30	214.4	33.5	156.1	142.3	159.3	<.2	5.	.7
326	2.80	< 7.0	90.3	45.5	37.2	32.0	40	173.8	42.5	164.9	190.2	212.8	<.2	8.	.6
327	2.38	< 7.0	220.0	51.5	32.3	66.4	20	239.4	28.6	281.6	174.1	150.2	<.2	4.	.5
328	2.28	< 7.0	46.7	26.4	29.6	27.9	25	193.8	54.5	136.7	140.7	157.7	<.2	4.	.5
329	2.42	< 7.0	65.1	34.8	37.6	27.9	30	228.4	48.3	172.5	159.1	170.1	<.2	4.	.3
330	2.61	< 7.0	112.0	43.3	35.8	52.4	35	239.8	24.3	234.9	193.3	136.3	<.2	5.	.8
331	1.77	< 7.0	131.6	25.5	28.3	51.4	40	210.1	27.8	128.9	159.3	133.6	<.2	4.	.3
332	1.17	< 7.0	29.2	14.5	21.8	17.7	25	154.9	30.1	43.0	66.3	201.9	<.2	3.	.2

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
333	2.17	< 7.0	83.8	48.2	30.0	43.8	45	209.2	201.1	167.7	152.4	286.5	<.2	4.	.3
334	2.60	< 7.0	76.7	34.2	35.1	68.3	30	277.8	59.7	130.5	173.5	320.8	<.2	4.	.4
335	2.05	< 7.0	63.0	23.0	17.8	29.3	15	274.4	24.9	130.9	99.8	151.9	<.2	7.	.5
336	2.15	< 7.0	91.3	52.6	25.7	37.4	35	220.3	69.9	265.2	200.0	187.1	<.2	5.	.3
337	2.03	< 7.0	77.1	29.8	28.0	36.7	25	200.7	42.1	180.8	154.8	200.4	<.2	5.	.5
338	2.45	< 7.0	49.2	37.8	23.4	25.9	55	377.8	232.4	128.6	151.0	267.0	.4	5.	< .2
339	2.60	< 7.0	44.5	26.3	21.9	25.4	70	282.8	69.8	96.3	220.4	217.6	.2	5.	.2
340	1.89	< 7.0	191.2	52.4	3.8	36.9	30	102.3	134.5	320.2	163.8	145.0	<.2	3.	.5
341	2.60	< 7.0	110.5	50.4	21.3	53.7	45	359.2	175.7	194.7	143.1	257.6	<.2	5.	.4
342	2.48	< 7.0	110.5	39.2	16.2	45.2	45	234.9	73.2	172.4	166.7	192.3	<.2	4.	.3
343	2.29	< 7.0	128.3	44.7	14.4	46.7	35	138.3	71.6	205.5	153.9	118.6	<.2	5.	< .2
344	2.03	< 7.0	78.6	25.2	54.4	39.0	40	253.6	33.1	140.7	152.1	143.9	<.2	5.	< .2
346	2.47	< 7.0	145.6	38.7	15.3	43.0	20	207.0	90.1	218.3	97.3	120.2	<.2	4.	.6
347	2.26	< 7.0	76.9	15.7	36.8	39.7	25	295.1	21.5	120.7	123.6	122.4	<.2	5.	< .2
348	1.54	< 7.0	42.9	10.3	14.2	24.0	35	237.0	15.3	89.0	124.3	171.6	.2	5.	< .2
349	1.85	< 7.0	108.4	28.7	23.7	38.0	30	179.5	50.5	217.9	148.6	120.0	<.2	5.	.4
350	1.85	< 7.0	146.4	52.7	19.4	42.5	20	153.8	74.1	372.9	218.1	169.8	<.2	7.	.5
351	1.96	< 7.0	144.1	43.4	28.0	42.9	30	167.1	77.8	317.8	170.7	169.5	<.2	4.	.5
352	1.98	< 7.0	115.0	26.0	18.9	44.4	30	120.0	46.6	195.7	138.8	132.0	<.2	3.	.4
353	2.61	< 7.0	50.8	17.3	129.2	35.9	40	214.2	14.6	78.7	156.5	131.6	<.2	19.	.7
354	3.09	< 7.0	79.1	11.2	31.5	29.2	30	258.7	25.9	134.1	127.3	129.0	.2	3.	.7
355	2.72	< 7.0	123.6	35.6	19.4	46.5	35	179.7	59.2	230.0	173.4	148.5	<.2	5.	.3
356	2.24	< 7.0	94.5	51.5	19.2	39.6	30	194.4	114.8	393.2	203.9	231.4	<.2	5.	< .2
357	2.67	< 7.0	34.1	19.3	19.0	25.1	30	201.0	20.8	113.7	153.3	209.9	<.2	5.	.6
358	2.21	< 7.0	51.9	23.6	30.2	29.1	60	243.3	29.0	110.2	204.4	137.2	<.2	7.	.7
359	1.89	< 7.0	72.9	56.1	29.7	39.8	30	180.7	98.6	191.7	151.9	470.0	<.2	6.	< .2
360	3.00	< 7.0	40.3	22.6	33.3	23.5	45	161.0	40.5	88.0	165.9	187.0	<.2	6.	.2
361	2.27	< 7.0	43.5	34.7	36.5	25.4	80	184.0	133.8	124.0	294.0	236.9	<.2	6.	.4
362	2.36	< 7.0	78.3	31.7	33.3	35.7	55	183.9	30.0	139.6	230.9	170.7	<.2	5.	.4
363	1.26	< 7.0	30.0	19.8	18.8	31.4	15	799.4	14.0	158.6	111.8	63.0	<.2	12.	3.2
364	1.54	< 7.0	26.3	19.7	15.8	23.4	15	454.4	22.2	97.5	68.5	73.0	<.2	8.	1.5
365	1.54	< 7.0	16.8	17.8	12.5	14.7	20	302.7	25.0	48.8	79.8	110.3	<.2	5.	.9
366	2.07	< 7.0	95.2	44.0	45.1	43.1	25	276.3	34.6	170.7	141.9	157.2	<.2	5.	.6
367	.99	< 7.0	18.3	16.0	8.7	11.0	20	200.3	29.6	49.4	61.3	81.4	<.2	3.	1.4
368	1.81	< 7.0	30.4	22.7	9.1	15.0	20	205.4	29.2	81.6	81.4	119.4	<.2	4.	.3
369	1.54	< 7.0	66.4	42.9	11.1	23.8	20	239.6	87.6	226.8	121.8	141.4	<.2	5.	1.2
370	1.85	< 7.0	70.8	45.5	32.7	33.4	75	210.2	37.3	225.9	152.6	142.3	<.2	6.	.4
371	2.06	< 7.0	53.9	57.3	46.2	62.5	80	179.7	39.3	227.9	224.0	233.7	<.2	8.	.9
372	2.09	< 7.0	59.9	49.2	32.1	38.8	40	223.6	41.5	159.6	160.9	230.6	<.2	5.	1.6
373	1.91	< 7.0	204.6	35.2	31.6	88.9	35	289.5	26.1	162.1	141.9	113.8	<.2	4.	< .2
374	1.84	< 7.0	286.8	57.2	31.6	99.1	25	225.4	38.4	292.7	159.7	182.2	<.2	5.	.4

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
375	1.92	< 7.0	103.4	48.7	41.8	66.6	30	273.9	20.3	168.4	154.3	109.7	<.2	6.	1.1
376	2.32	< 7.0	85.7	32.9	29.2	52.0	40	505.1	33.6	139.9	153.9	136.3	<.2	6.	.5
377	2.20	< 7.0	55.5	37.8	23.9	32.1	145	378.7	53.3	198.9	127.6	125.1	<.2	5.	.8
378	2.61	< 7.0	62.3	32.4	37.4	35.0	30	282.0	26.6	104.3	143.9	139.9	<.2	5.	3.4
379	2.33	< 7.0	46.3	29.2	26.2	27.2	25	248.0	25.7	106.9	127.2	152.2	<.2	5.	3.8
380	2.32	< 7.0	121.7	37.1	38.3	66.4	20	319.9	27.4	137.0	134.6	137.1	.2	5.	.4
381	1.68	< 7.0	49.6	31.1	25.3	34.0	20	140.0	29.8	112.5	123.0	98.2	<.2	5.	.5
382	2.99	< 7.0	47.4	37.9	28.7	33.1	25	178.1	16.8	241.4	195.2	140.0	.2	5.	1.2
383	1.78	< 7.0	794.6	58.1	22.5	239.2	15	238.4	21.8	279.1	133.1	91.1	<.2	5.	.3
384	2.20	< 7.0	37.6	20.5	17.0	24.8	30	278.5	19.4	79.9	120.4	108.2	<.2	4.	< .2
385	2.39	< 7.0	64.2	23.7	25.0	37.6	25	268.1	16.9	98.5	124.9	111.3	<.2	4.	.5
386	1.84	< 7.0	339.7	59.5	27.6	74.3	10	173.6	12.0	324.3	165.0	100.9	<.2	4.	.5
387	2.61	< 7.0	238.9	33.2	18.5	95.6	10	216.1	14.5	193.2	147.9	127.9	<.2	4.	.5
388	2.05	< 7.0	47.6	31.8	32.3	28.8	25	235.4	19.6	121.8	143.1	137.2	<.2	4.	.4
389	2.14	< 7.0	824.1	62.3	54.5	375.4	< 5	191.3	16.6	160.3	111.3	100.1	<.2	5.	.9
390	2.65	< 7.0	37.8	23.0	26.3	20.0	30	183.1	23.4	96.1	194.9	195.1	<.2	5.	< .2
391	2.02	< 7.0	77.5	48.4	36.7	45.4	15	263.8	20.0	158.7	150.3	119.6	<.2	4.	.7
392	1.39	< 7.0	57.0	70.6	15.2	34.9	< 5	107.1	94.4	318.6	118.8	311.7	<.2	5.	.7
393	2.36	< 7.0	63.4	44.9	17.7	36.1	10	240.7	25.5	177.4	149.0	164.7	.2	4.	.5
394	2.39	< 7.0	49.9	47.1	24.4	41.2	20	208.4	26.3	161.4	171.9	193.9	<.2	4.	1.6
395	1.93	< 7.0	92.7	62.5	18.5	45.2	< 5	115.5	19.4	271.1	165.0	144.0	<.2	4.	1.1
396	2.18	< 7.0	85.0	37.9	16.9	43.0	15	341.1	27.2	178.0	124.0	209.1	<.2	4.	< .2
397	2.02	< 7.0	40.0	24.9	22.8	27.2	20	237.4	28.6	93.3	113.1	120.9	<.2	5.	.3
398	2.18	< 7.0	49.0	35.2	27.8	32.4	20	220.1	59.2	112.7	116.2	264.5	<.2	6.	.4
399	2.42	< 7.0	63.9	29.1	21.3	35.6	15	542.2	36.0	129.4	80.8	131.0	<.2	5.	.7
400	2.66	< 7.0	67.9	33.7	26.4	44.2	15	798.1	27.4	143.2	97.3	92.8	<.2	5.	.7
401	2.66	< 7.0	69.7	43.4	30.4	52.0	15	771.7	25.7	153.0	113.2	81.8	<.2	4.	.8
402	2.65	< 7.0	75.5	36.0	26.5	46.5	20	333.9	25.5	111.6	122.6	199.2	<.2	4.	3.0
403	2.48	< 7.0	91.3	60.6	29.0	58.6	15	369.0	78.5	432.7	119.2	163.7	<.2	4.	.7
404	2.33	< 7.0	64.2	44.4	26.2	37.9	25	225.0	109.3	185.4	117.3	429.2	<.2	6.	1.1
405	2.22	< 7.0	42.2	34.3	19.9	29.8	20	323.0	45.7	125.5	88.4	127.5	<.2	3.	.7
406	2.20	< 7.0	93.6	58.2	27.2	40.4	25	257.5	210.5	228.3	130.8	436.3	<.2	3.	.9
407	2.37	< 7.0	64.8	34.2	29.2	33.7	35	184.0	51.6	114.7	138.8	179.0	<.2	3.	.6
408	2.19	< 7.0	40.5	32.6	25.1	24.8	30	249.2	27.2	84.9	123.3	138.4	<.2	3.	1.2
409	2.12	< 7.0	57.6	31.9	23.4	30.5	15	269.1	21.0	134.5	108.7	135.7	<.2	5.	.9
410	2.24	< 7.0	40.0	44.7	34.1	27.7	10	260.4	24.7	160.6	114.7	116.5	<.2	3.	.3
411	2.40	< 7.0	39.6	30.8	21.0	22.5	20	164.3	38.1	90.8	110.3	165.8	<.2	3.	.3
412	2.22	< 7.0	52.3	33.4	28.2	25.3	35	193.9	43.1	82.4	139.4	155.3	<.2	3.	1.5
413	2.65	< 7.0	45.6	23.3	23.6	25.1	30	258.3	30.4	77.5	123.2	145.9	<.2	3.	< .2
414	2.42	< 7.0	143.2	32.3	35.1	56.0	20	275.2	25.8	106.8	99.1	153.7	<.2	4.	2.8
415	3.35	< 7.0	38.3	33.7	13.4	25.3	25	145.0	69.1	84.2	67.4	596.2	<.2	5.	3.0

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
416	3.64	< 7.0	72.5	35.1	20.2	36.3	25	204.3	57.4	114.7	97.6	356.7	<.2	4.	2.6
417	3.23	< 7.0	73.2	32.8	31.6	36.1	20	238.9	19.4	116.8	122.0	150.9	<.2	4.	1.6
418	2.38	< 7.0	59.9	42.8	27.7	35.0	15	238.6	26.1	143.4	108.8	142.4	<.2	5.	.3
419	2.66	< 7.0	69.7	47.9	24.8	41.1	15	484.3	44.1	164.9	100.3	139.9	<.2	5.	.8
420	2.66	< 7.0	30.9	30.1	27.6	20.1	80	138.0	47.1	60.9	271.2	184.2	<.2	5.	1.9
421	2.63	< 7.0	56.1	29.4	25.5	24.6	115	237.5	47.0	140.4	268.7	126.5	<.2	6.	2.6
422	2.18	< 7.0	42.2	28.3	14.9	23.3	15	345.3	30.8	80.9	66.0	138.5	<.2	3.	.3
423	2.54	< 7.0	81.2	44.6	30.6	41.8	25	241.1	70.8	150.3	127.6	248.4	<.2	5.	.9
424	3.58	< 7.0	58.8	31.6	35.3	28.8	50	211.5	66.9	111.8	158.2	256.1	<.2	5.	.8
425	2.66	< 7.0	36.2	29.3	25.8	26.4	25	212.1	65.4	86.7	86.1	297.7	<.2	5.	.7
426	2.65	< 7.0	95.9	60.5	28.4	51.9	20	310.8	41.9	247.0	120.6	233.0	<.2	4.	.9
427	2.64	< 7.0	49.4	46.9	24.3	39.0	5	400.4	36.1	142.4	105.2	219.6	<.2	4.	.3
428	2.70	< 7.0	56.1	43.4	21.4	43.1	10	319.2	45.1	129.5	98.9	275.1	<.2	4.	.4
429	2.87	< 7.0	57.4	30.1	17.0	37.9	20	219.4	57.5	95.5	90.8	471.6	<.2	4.	.7
430	2.58	< 7.0	40.2	28.3	17.8	27.2	15	336.5	30.2	84.6	80.9	168.6	<.2	4.	.9
431	2.42	< 7.0	66.8	63.2	27.5	44.4	15	202.8	46.2	209.0	120.7	430.0	<.2	4.	.4
432	2.07	< 7.0	39.8	16.5	20.1	20.1	15	273.7	17.9	86.4	96.4	134.0	<.2	4.	.6
433	1.93	< 7.0	218.6	52.5	32.3	94.8	20	304.8	39.6	280.8	130.2	170.5	<.2	6.	.2
434	1.77	7.6	131.0	77.7	30.3	60.4	10	222.6	39.7	677.9	200.1	162.2	<.2	5.	.2
435	2.47	< 7.0	95.4	29.6	24.2	47.1	20	389.1	28.9	137.0	132.1	122.8	<.2	4.	.5
436	2.63	< 7.0	59.8	28.6	25.9	46.0	20	872.1	21.7	136.1	115.1	68.0	<.2	4.	1.2
437	2.50	< 7.0	90.6	50.7	35.1	58.0	20	788.5	27.7	210.2	136.2	77.4	<.2	5.	.3
438	2.26	< 7.0	98.5	39.8	41.1	60.8	25	763.2	25.6	188.8	136.6	74.3	<.2	4.	.5
439	2.50	< 7.0	103.3	25.3	12.9	48.8	10	225.7	39.4	106.3	56.0	242.2	<.2	3.	1.3
440	2.49	< 7.0	68.5	28.3	22.8	30.6	20	205.4	77.5	124.8	109.7	491.6	<.2	3.	.9
441	2.50	< 7.0	62.4	27.0	33.7	33.3	35	190.5	38.0	114.4	153.2	233.1	<.2	3.	1.1
442	2.79	10.0	81.9	35.4	20.7	32.8	20	247.4	49.7	149.2	118.0	286.4	<.2	3.	2.8
443	3.04	< 7.0	120.9	36.8	25.3	46.8	15	217.5	18.8	158.6	120.5	130.3	<.2	4.	.8
444	2.25	< 7.0	78.6	39.2	30.4	35.6	20	205.6	30.5	146.3	127.0	140.0	<.2	3.	.5
445	2.75	12.8	41.9	43.4	17.2	20.5	20	148.1	33.1	157.1	207.1	387.9	<.2	3.	.8
446	3.67	< 7.0	36.7	34.3	23.0	19.8	20	148.8	48.8	108.3	188.1	982.1	<.2	4.	1.4
447	5.07	< 7.0	26.8	34.8	15.9	17.6	30	124.6	82.3	54.6	155.1	1263.0	<.2	4.	1.1
448	3.08	< 7.0	38.9	30.3	20.9	20.0	20	165.4	30.0	116.5	154.5	415.7	<.2	3.	.7
449	3.89	8.8	33.6	35.8	17.7	17.5	20	141.2	44.9	79.8	186.8	812.1	<.2	4.	1.1
450	4.59	< 7.0	28.1	29.6	16.9	15.1	25	161.0	89.0	57.2	157.6	1072.0	<.2	4.	1.0
451	3.36	< 7.0	46.8	37.0	30.6	17.6	25	162.7	66.8	97.2	157.9	1963.0	<.2	4.	.6
452	4.59	< 7.0	34.8	30.2	18.0	17.6	30	217.9	77.2	82.0	167.7	1849.0	<.2	4.	1.4
453	5.36	< 7.0	37.1	36.4	17.3	20.5	20	143.2	73.5	71.1	186.3	1692.0	<.2	4.	1.1
454	2.46	< 7.0	47.8	26.7	26.2	26.5	10	266.7	21.4	117.1	122.6	160.4	<.2	3.	.6
455	3.60	< 7.0	37.0	41.2	30.2	18.5	10	191.3	29.5	129.4	158.7	218.2	.2	3.	1.2
456	4.21	< 7.0	22.1	35.7	10.6	12.9	10	164.7	48.7	87.2	130.4	211.9	<.2	4.	.5

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
457	3.03	< 7.0	40.0	37.6	16.3	24.1	10	206.7	23.8	135.6	134.2	151.3	<.2	3.	1.5
458	3.42	< 7.0	29.7	23.9	21.3	20.1	35	141.3	77.3	45.4	192.2	412.5	<.2	5.	1.2
459	3.84	< 7.0	34.8	37.8	20.6	22.4	30	172.7	72.9	71.2	189.5	815.7	<.2	3.	.7
460	4.35	< 7.0	33.9	27.6	19.8	27.6	25	150.0	69.5	62.7	180.5	1242.0	<.2	4.	1.8
461	3.12	< 7.0	36.3	25.5	22.6	19.3	15	155.7	31.4	103.6	122.1	476.1	<.2	3.	.8
462	3.74	< 7.0	50.1	37.0	30.6	32.5	30	157.4	69.8	105.2	226.2	686.5	<.2	4.	1.0
463	4.06	< 7.0	27.2	35.8	23.5	22.4	40	138.4	67.3	70.1	202.3	1557.0	<.2	4.	1.3
464	3.96	< 7.0	35.1	32.8	22.5	26.4	35	154.9	64.8	75.1	188.7	483.7	<.2	3.	.9
465	3.57	< 7.0	40.3	28.3	16.8	15.7	30	145.4	51.7	86.1	172.1	795.7	<.2	4.	3.2
466	4.52	< 7.0	13.3	25.0	18.4	11.7	30	118.9	76.0	55.1	174.0	1300.0	<.2	4.	.9
467	3.61	< 7.0	45.3	49.1	19.2	21.5	35	127.7	102.3	144.3	217.0	4376.0	<.2	5.	3.0
468	3.81	< 7.0	31.5	29.8	22.2	15.7	20	157.4	68.6	78.1	189.6	1241.0	<.2	3.	.5
469	3.43	< 7.0	24.4	26.8	25.8	15.8	35	157.8	79.3	66.7	194.0	747.9	<.2	3.	.4
470	3.74	< 7.0	33.5	27.3	23.0	20.0	25	160.1	89.6	66.5	178.7	596.4	<.2	5.	.6
471	5.06	< 7.0	23.4	32.4	20.5	19.0	35	137.8	91.7	54.9	188.2	916.6	<.2	6.	1.5
472	2.83	< 7.0	30.5	14.2	15.8	14.3	20	191.9	32.5	60.4	123.2	254.9	<.2	6.	.4
473	4.35	< 7.0	36.4	23.5	14.0	21.2	15	141.0	60.7	91.4	146.6	1270.0	<.2	5.	1.2
474	2.81	< 7.0	32.1	17.0	22.6	15.3	25	181.6	32.5	57.9	170.8	232.1	<.2	15.	.4
475	4.83	< 7.0	20.8	24.9	16.9	13.6	30	151.5	99.3	53.3	190.5	793.9	<.2	4.	1.5
476	6.00	< 7.0	19.9	23.4	12.6	10.6	25	120.1	85.3	42.7	158.1	1222.0	<.2	5.	1.6
477	5.25	< 7.0	46.7	32.7	20.6	26.7	15	135.4	94.2	174.6	164.3	1363.0	<.2	4.	2.4
478	5.39	< 7.0	40.0	18.1	12.6	29.1	25	160.8	65.7	70.3	157.3	889.1	<.2	4.	1.4
479	4.83	< 7.0	31.5	23.2	19.0	18.8	35	185.7	81.0	68.7	167.8	600.0	<.2	5.	2.2
480	4.57	< 7.0	47.0	23.3	20.2	31.3	40	180.3	60.4	78.8	187.4	622.5	<.2	5.	1.5
481	4.69	< 7.0	42.7	18.1	21.1	24.2	35	161.6	65.9	76.3	180.2	886.8	<.2	4.	1.7
482	3.00	< 7.0	73.5	23.2	19.0	28.9	25	236.1	82.2	124.5	103.9	239.9	<.2	4.	1.1
483	3.45	< 7.0	24.3	10.7	13.8	13.6	20	272.2	25.0	78.5	102.8	167.6	<.2	3.	.3
484	3.90	< 7.0	51.0	17.6	23.4	27.2	60	221.8	56.7	78.8	166.6	294.5	<.2	5.	1.3
485	3.13	< 7.0	62.7	20.3	16.6	21.3	15	222.5	60.7	147.2	91.6	351.9	<.2	4.	1.2
486	1.91	< 7.0	80.1	26.9	17.7	28.4	15	255.4	20.2	156.1	108.2	119.2	<.2	4.	.5
487	1.99	< 7.0	37.1	22.0	14.8	17.1	10	306.4	27.4	93.8	77.4	128.6	<.2	4.	.9
488	2.89	< 7.0	50.0	8.2	22.0	19.3	20	308.5	15.7	70.5	118.5	130.1	<.2	2.	.3
489	3.24	< 7.0	43.2	20.2	39.0	18.5	10	243.9	19.0	71.2	92.1	149.4	<.2	3.	.5
490	2.42	< 7.0	44.4	21.7	27.8	21.0	25	215.3	16.0	100.3	110.3	117.1	<.2	3.	.7
491	3.02	< 7.0	179.2	27.6	14.3	55.9	40	133.9	54.7	125.6	132.7	127.3	<.2	3.	.4
492	1.92	< 7.0	53.9	27.7	31.3	40.7	30	232.3	18.1	140.0	126.0	129.4	<.2	2.	.9
493	2.74	< 7.0	64.1	37.6	24.6	33.8	10	169.2	39.8	253.4	108.0	388.7	<.2	3.	.8
494	2.43	< 7.0	63.9	22.8	26.1	23.5	25	205.9	20.1	114.5	129.2	160.3	<.2	3.	.8
495	2.73	< 7.0	36.6	23.4	22.6	18.5	5	226.5	12.4	112.9	102.3	149.7	<.2	3.	.4
496	1.70	< 7.0	24.8	8.6	22.2	11.9	10	209.8	20.8	51.2	92.6	130.0	<.2	4.	2.4
497	1.59	< 7.0	32.0	19.2	28.5	14.6	5	224.3	15.9	60.4	92.1	99.8	<.2	3.	1.4

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
498	2.02	< 7.0	40.3	25.9	20.6	21.3	15	201.6	15.4	130.0	111.0	120.6	<.2	4.	.4
499	2.04	< 7.0	29.5	13.3	14.8	12.6	< 5	215.3	12.7	70.7	78.5	114.2	<.2	4.	.5
500	1.44	< 7.0	169.1	41.5	69.3	82.4	15	206.0	17.7	148.4	171.4	112.1	<.2	5.	1.3
501	2.31	< 7.0	44.2	20.1	30.1	21.7	50	118.5	36.4	88.5	224.2	170.9	<.2	5.	2.6
502	2.43	< 7.0	99.8	33.9	32.1	28.9	5	254.9	23.8	184.2	132.9	155.4	<.2	4.	.9
503	2.32	< 7.0	50.1	45.9	20.6	36.4	< 5	426.6	37.8	363.1	166.1	97.6	<.2	6.	.5
504	2.35	< 7.0	69.8	42.6	25.3	40.9	< 5	326.1	30.0	313.4	156.3	135.0	<.2	5.	.4
505	2.34	< 7.0	45.8	35.8	29.4	32.6	< 5	270.6	22.8	186.3	136.4	117.9	<.2	4.	.2
506	1.97	< 7.0	72.4	28.1	28.6	33.3	15	242.9	35.7	172.4	120.1	132.1	<.2	4.	.9
507	2.00	< 7.0	55.7	29.6	24.0	28.3	10	245.7	30.5	128.9	128.7	116.9	<.2	4.	1.7
508	2.01	< 7.0	97.6	38.5	21.0	36.0	15	206.7	42.2	200.0	118.7	136.5	<.2	5.	.9
509	2.43	< 7.0	62.0	25.2	38.7	38.2	15	278.0	18.5	126.6	127.5	138.2	<.2	4.	.9
510	2.49	< 7.0	53.3	37.3	24.4	36.5	< 5	481.5	25.5	229.1	110.5	109.8	<.2	5.	.9
511	1.87	< 7.0	66.9	41.4	28.5	45.9	10	393.5	24.4	313.1	134.6	85.1	<.2	4.	.4
512	2.36	< 7.0	96.4	34.1	41.0	54.2	10	666.5	30.5	218.4	100.6	76.8	<.2	5.	.5
513	2.22	< 7.0	53.2	23.3	24.3	27.4	25	190.3	29.1	99.0	133.5	110.3	<.2	4.	.8
514	2.44	< 7.0	39.5	27.7	21.4	21.0	15	190.1	41.8	185.2	125.3	125.5	<.2	4.	1.0
515	1.92	< 7.0	97.5	33.1	20.8	36.5	20	122.8	52.7	113.7	119.8	139.9	<.2	3.	.8
516	1.99	< 7.0	76.3	35.5	22.6	29.9	25	191.6	44.9	97.8	118.3	138.1	<.2	4.	2.0
517	2.04	< 7.0	55.2	24.8	33.8	25.9	55	213.2	28.8	75.4	168.4	133.1	<.2	4.	.9
518	2.02	< 7.0	36.3	22.1	67.7	21.8	60	155.4	42.0	86.4	270.3	190.9	<.2	4.	.8
519	2.52	< 7.0	47.1	11.7	25.5	19.6	25	186.2	21.0	64.9	141.3	161.9	<.2	3.	.9
520	2.10	< 7.0	61.5	24.6	49.6	32.6	20	183.6	30.3	115.8	141.7	114.3	<.2	5.	.6
521	2.02	< 7.0	37.8	18.0	24.4	16.9	15	188.3	30.3	61.9	110.9	155.4	<.2	4.	.6
522	1.99	< 7.0	45.3	14.0	21.9	20.8	25	195.1	29.8	84.5	135.5	183.0	<.2	4.	.5
523	2.05	< 7.0	67.5	21.4	32.0	30.1	20	242.4	26.6	96.1	125.4	141.1	<.2	4.	.8
524	4.61	< 7.0	31.1	24.1	30.1	23.1	15	141.7	52.0	77.8	170.6	542.5	<.2	4.	1.0
525	4.56	< 7.0	53.0	28.3	24.1	40.5	15	135.8	70.7	66.9	180.2	347.1	<.2	5.	.9
526	3.84	< 7.0	22.1	31.2	24.0	20.7	10	161.0	45.2	120.7	196.4	1100.0	<.2	5.	1.1
527	2.83	< 7.0	62.4	26.9	30.9	35.9	< 5	208.3	26.1	157.2	135.0	286.4	<.2	5.	.7
528	2.91	< 7.0	47.2	22.4	40.1	25.3	10	138.7	19.5	121.0	113.1	313.2	<.2	3.	.9
529	3.24	< 7.0	29.6	17.8	53.4	19.8	15	145.0	36.0	103.2	154.0	267.4	<.2	4.	1.2
530	4.61	< 7.0	10.3	38.7	24.9	19.1	5	120.3	51.0	84.5	245.1	1208.0	<.2	5.	1.4
531	4.41	< 7.0	19.3	25.9	18.5	15.7	15	146.9	57.3	88.1	190.0	1233.0	<.2	4.	1.0
532	4.48	< 7.0	15.2	12.4	15.5	16.9	20	161.7	43.2	87.1	166.2	862.3	<.2	4.	.9
533	4.47	< 7.0	17.3	14.0	15.6	14.5	10	140.5	42.6	80.6	197.6	843.2	<.2	4.	1.0
534	3.35	< 7.0	22.6	15.1	19.3	19.5	5	159.8	20.8	134.3	159.3	451.4	<.2	3.	.8
535	3.06	< 7.0	62.7	12.1	22.3	31.7	5	277.7	17.2	118.4	101.5	91.8	<.2	3.	.6
536	3.22	< 7.0	8.8	< 2.5	5.8	4.6	< 5	105.7	23.3	38.1	75.1	247.2	<.2	2.	1.5
537	2.92	< 7.0	21.1	8.4	20.1	17.0	5	163.6	23.1	81.9	100.5	146.1	<.2	3.	1.2
538	3.06	< 7.0	19.3	8.4	15.1	11.7	15	151.8	31.3	66.0	115.5	289.8	<.2	3.	.7

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
539	2.41	< 7.0	28.8	8.8	56.1	20.8	20	128.1	23.0	81.4	163.3	118.4	<.2	4.	1.5
540	3.97	9.9	19.3	22.2	20.4	10.5	25	134.1	37.0	48.8	105.3	136.4	<.2	3.	1.7
541	3.54	< 7.0	29.2	17.1	13.2	24.3	20	145.4	26.5	64.7	70.7	171.9	<.2	3.	1.1
542	3.37	< 7.0	12.0	17.9	11.8	10.2	< 5	144.4	27.5	44.7	72.3	191.5	<.2	3.	1.1
543	3.54	< 7.0	12.1	24.1	20.3	10.5	15	130.6	43.1	67.2	104.9	346.9	<.2	5.	1.2
544	3.92	8.9	20.8	19.6	9.6	9.0	15	156.9	26.2	53.8	57.7	146.9	<.2	5.	1.2
545	2.73	< 7.0	30.0	19.6	23.1	15.3	10	194.6	26.1	91.6	101.1	157.8	<.2	4.	.9
546	3.06	< 7.0	33.1	25.7	32.2	18.2	< 5	207.9	18.7	97.2	100.7	117.2	<.2	3.	1.4
548	3.15	< 7.0	20.3	16.9	44.7	16.0	20	135.3	17.9	110.1	101.2	137.2	<.2	4.	1.0
549	3.00	< 7.0	43.3	27.9	25.5	22.1	15	182.0	24.8	123.5	120.0	257.3	<.2	3.	1.2
550	2.45	7.1	41.2	26.2	20.0	28.1	10	157.4	13.0	221.3	149.8	261.1	<.2	6.	1.3
551	2.74	< 7.0	21.0	5.1	16.9	13.1	20	206.2	21.3	84.5	86.7	230.3	<.2	6.	.6
552	3.23	8.0	42.5	18.9	28.5	27.5	15	200.7	15.3	115.5	122.7	234.1	<.2	6.	.8
553	3.82	7.0	33.1	17.8	19.2	20.2	20	184.3	19.6	117.3	132.7	372.6	<.2	4.	1.4
554	2.45	10.6	41.1	26.2	21.8	25.9	10	228.0	13.5	206.9	130.4	178.5	<.2	4.	1.2
555	2.70	< 7.0	38.8	24.5	24.5	23.5	< 5	250.4	18.5	173.5	119.7	171.7	<.2	4.	2.4
556	2.74	13.0	156.4	15.3	30.9	66.3	< 5	194.6	10.2	118.3	152.9	146.6	<.2	4.	.9
557	2.44	12.6	46.1	21.8	18.3	25.9	< 5	241.8	8.2	184.7	131.5	102.1	<.2	5.	1.1
558	4.26	7.2	34.0	13.2	27.4	27.9	20	279.2	13.3	125.1	124.2	105.3	<.2	4.	.9
559	3.27	8.0	28.3	17.7	18.4	18.9	10	235.1	25.5	94.0	97.0	242.6	<.2	3.	1.5
560	5.55	< 7.0	9.2	5.7	6.9	7.4	15	167.9	36.9	60.1	66.6	381.7	<.2	2.	1.8
561	4.18	< 7.0	19.3	11.4	11.2	9.7	15	221.6	26.6	73.7	76.6	250.5	<.2	4.	2.4
562	2.77	10.6	49.6	19.5	22.9	26.5	10	203.6	27.7	138.9	114.8	174.2	<.2	4.	1.0
563	2.23	< 7.0	57.7	23.8	32.1	28.8	20	234.2	16.7	155.2	116.9	114.0	<.2	4.	2.0
564	2.56	8.4	37.1	26.4	22.0	21.4	25	209.4	20.2	137.2	107.0	134.6	<.2	4.	2.6
565	2.48	10.6	46.1	30.6	24.4	26.8	15	217.5	10.4	174.8	94.8	83.5	<.2	4.	.5
566	2.83	9.4	89.2	30.4	39.5	46.9	25	189.2	16.9	190.2	123.8	93.6	<.2	4.	1.3
567	3.28	10.6	36.4	24.9	28.4	21.2	25	159.1	29.1	120.8	96.2	284.1	<.2	4.	1.4
568	3.30	< 7.0	47.4	25.8	12.8	28.3	< 5	71.1	12.0	120.0	84.9	151.2	<.2	4.	.3
569	2.88	< 7.0	25.0	24.2	113.2	15.7	< 5	91.2	12.6	82.9	94.4	128.1	<.2	4.	.7
570	3.32	< 7.0	36.8	26.2	37.3	20.2	15	129.5	22.1	143.0	91.1	235.5	<.2	5.	1.1
571	2.27	< 7.0	40.6	16.1	27.8	19.8	25	109.8	14.9	81.5	64.1	116.2	<.2	4.	.7
572	2.82	< 7.0	43.0	24.2	13.6	24.2	5	104.3	33.3	116.2	66.5	183.0	<.2	4.	< .2
573	2.74	< 7.0	40.5	22.6	23.8	21.8	10	128.6	19.7	81.3	64.0	134.6	<.2	6.	.4
574	2.90	< 7.0	45.5	21.1	16.7	21.7	10	103.2	33.0	142.8	50.6	286.9	<.2	4.	.3
575	3.06	< 7.0	26.5	18.1	23.7	15.2	15	163.9	15.6	107.8	128.9	198.8	<.2	5.	1.0
576	2.25	< 7.0	36.5	14.6	17.2	17.4	5	203.3	17.3	116.2	76.8	168.3	<.2	5.	.4
577	3.64	< 7.0	70.5	26.7	11.7	38.4	5	63.0	12.8	220.4	59.9	170.2	<.2	2.	< .2
578	2.68	14.4	34.5	40.3	17.4	28.1	5	185.0	22.2	210.8	123.7	220.5	<.2	4.	1.4
579	3.15	< 7.0	35.5	17.7	18.8	18.7	5	201.0	16.7	115.0	83.6	209.5	<.2	2.	.2
580	2.05	< 7.0	40.0	3.3	8.9	17.6	10	83.7	12.6	74.9	27.2	113.9	<.2	2.	.2

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
581	3.82	8.8	10.2	12.4	20.9	10.0	10	173.3	17.2	83.7	163.3	335.2	<.2	4.	.8
582	4.35	11.0	5.1	16.7	19.3	10.0	10	154.0	21.9	84.5	172.3	596.9	<.2	3.	.9
583	3.27	< 7.0	9.9	29.5	23.0	16.2	< 5	163.9	22.0	144.1	154.2	502.0	<.2	3.	.8
584	3.89	7.9	37.4	39.9	19.5	18.6	15	155.4	30.8	123.0	165.1	955.0	<.2	7.	1.2
585	2.56	< 7.0	23.2	14.1	30.1	14.3	25	236.1	17.6	83.7	146.7	118.8	<.2	6.	1.1
586	2.44	< 7.0	23.4	19.2	32.6	18.9	20	210.2	19.0	92.4	148.7	100.2	<.2	4.	3.0
587	2.20	< 7.0	80.3	31.1	15.6	40.5	< 5	222.6	15.7	165.4	126.6	221.6	<.2	4.	1.3
588	2.96	9.2	35.3	25.8	25.7	22.1	10	211.3	20.9	101.9	146.3	207.9	<.2	4.	1.3
589	2.52	10.6	14.0	21.6	13.1	11.3	15	169.9	25.3	62.2	100.3	247.2	<.2	4.	.6
590	3.83	19.4	15.6	37.3	14.1	16.5	5	163.9	37.0	127.8	148.2	1066.0	<.2	5.	.7
591	2.00	15.1	31.0	10.5	26.0	12.4	5	156.1	16.7	65.0	83.2	124.1	<.2	4.	.3
592	3.76	8.7	23.2	24.3	21.5	14.4	20	181.1	45.1	87.4	160.9	776.8	<.2	5.	.8
593	2.23	11.1	30.5	10.9	21.4	15.5	15	189.1	20.5	70.7	93.0	91.6	<.2	4.	.3
594	3.37	9.2	17.1	17.4	22.8	15.5	15	138.9	23.8	109.9	120.5	331.2	<.2	4.	.4
595	2.75	9.9	65.8	13.4	17.1	23.5	15	131.1	31.2	74.3	126.2	289.0	<.2	4.	.6
596	3.09	11.1	28.1	10.9	18.8	12.7	10	167.8	22.5	65.1	111.8	174.2	<.2	3.	.3
597	2.20	< 7.0	46.5	27.7	31.7	28.7	15	155.0	14.9	156.9	147.4	138.9	<.2	4.	< .2
598	2.17	< 7.0	96.3	25.6	37.2	45.3	< 5	205.2	14.8	147.9	138.9	149.4	<.2	5.	.7
599	2.73	< 7.0	127.2	36.0	22.5	41.9	5	169.2	62.6	338.4	135.0	943.4	<.2	6.	.6
600	2.57	13.2	54.9	16.6	29.2	23.7	25	215.5	93.8	121.8	141.6	468.2	<.2	3.	2.8
601	2.23	12.5	163.1	28.1	28.9	45.5	10	185.0	22.4	270.1	117.8	251.2	<.2	6.	.6
602	4.68	< 7.0	23.2	3.5	15.8	14.6	25	157.2	40.6	44.4	100.1	257.8	**	5.	1.1
603	2.59	14.4	86.0	10.5	22.4	31.0	10	240.2	15.3	83.9	101.8	93.2	<.2	5.	.3
604	2.18	< 7.0	117.4	17.1	18.8	38.4	< 5	272.1	15.4	99.1	95.2	185.6	<.2	4.	.5
605	2.75	9.0	105.8	25.0	33.6	38.3	5	218.9	12.5	170.5	163.2	140.5	<.2	3.	.4
606	2.23	10.4	54.9	12.7	27.1	23.3	5	256.7	18.2	93.2	105.3	170.2	<.2	3.	.2
607	2.53	9.3	69.3	16.2	24.7	29.6	5	220.1	34.8	164.9	106.5	264.4	<.2	4.	.5
608	2.50	9.2	94.4	19.5	32.3	38.4	25	208.1	20.6	148.0	139.7	186.4	<.2	5.	.4
609	2.18	< 7.0	400.6	38.3	61.2	108.1	10	203.3	20.6	150.3	123.8	210.4	<.2	3.	.2
610	2.20	10.1	74.4	21.7	25.8	28.4	20	223.5	78.9	138.7	106.2	717.1	<.2	4.	1.0
611	2.61	< 7.0	36.8	13.3	30.1	18.8	5	238.9	18.4	77.5	105.5	143.8	<.2	4.	.5
612	2.51	< 7.0	108.4	36.6	35.7	39.4	5	161.6	94.7	321.3	188.9	515.9	<.2	5.	1.3
613	2.21	< 7.0	93.0	26.9	31.6	35.2	10	200.8	37.2	231.1	117.4	575.7	<.2	5.	1.5
614	2.62	8.6	75.7	20.6	19.9	29.3	15	219.4	11.0	130.4	119.4	211.4	<.2	3.	.4
615	2.57	8.2	63.5	28.4	41.0	29.1	25	190.5	85.6	155.1	154.5	301.9	<.2	4.	.7
616	2.78	10.0	65.0	13.8	25.8	28.1	20	218.9	22.2	112.4	126.6	224.6	<.2	4.	.5
617	2.49	< 7.0	95.8	13.8	25.6	33.8	< 5	214.6	20.9	128.2	106.8	173.7	<.2	4.	.5
618	1.82	< 7.0	69.5	17.2	12.4	26.3	< 5	346.4	21.9	195.3	87.8	146.4	<.2	5.	.7
619	2.59	< 7.0	57.7	13.3	27.2	27.9	20	246.9	34.3	83.9	94.7	181.1	<.2	3.	1.0
620	2.50	10.5	65.3	23.3	22.7	29.6	20	244.1	41.7	101.9	96.8	240.3	<.2	4.	.8
621	2.75	< 7.0	25.3	15.1	25.5	18.8	20	144.4	34.5	109.8	175.6	449.8	<.2	5.	.6

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
622	2.63	< 7.0	41.5	28.4	17.5	21.4	15	198.5	25.1	122.0	146.7	208.0	<.2	4.	1.6
623	2.83	< 7.0	67.2	31.8	42.6	47.8	35	161.8	23.4	125.8	201.7	222.0	<.2	4.	.5
624	2.73	< 7.0	38.6	25.6	19.7	36.3	20	205.4	49.5	90.7	105.7	430.1	<.2	4.	.6
625	2.63	< 7.0	60.5	24.6	20.3	29.6	15	212.7	76.2	101.6	90.0	212.9	<.2	4.	1.5
626	2.22	9.3	136.0	40.8	26.7	52.0	5	193.9	72.6	223.9	118.6	337.0	<.2	4.	1.1
627	2.85	< 7.0	38.4	25.6	25.6	19.1	35	174.2	127.4	84.4	109.1	277.4	<.2	4.	1.3
628	3.23	< 7.0	43.7	26.1	33.2	24.7	30	187.3	58.1	111.9	128.2	310.7	<.2	5.	1.1
629	2.27	7.8	64.4	27.8	20.9	31.4	15	252.1	33.9	152.0	94.4	217.1	<.2	5.	.8
630	2.71	< 7.0	118.2	28.5	29.1	39.8	45	176.0	47.7	127.7	132.3	303.7	<.2	5.	1.6
632	2.12	< 7.0	54.2	28.5	20.3	23.7	20	256.0	47.4	94.0	79.2	142.6	<.2	4.	.6
633	2.51	< 7.0	25.3	15.0	18.6	14.2	25	205.4	71.1	86.0	86.0	261.0	<.2	4.	.8
634	2.20	< 7.0	48.0	13.4	19.9	19.7	20	233.4	37.7	84.1	80.2	166.1	<.2	4.	1.0
635	2.01	< 7.0	230.0	24.3	35.6	66.1	30	216.6	24.1	110.6	134.7	157.9	<.2	4.	1.1
636	2.75	10.5	57.1	15.0	35.9	36.3	35	170.8	38.7	81.7	168.4	201.4	<.2	4.	1.6
637	2.75	< 7.0	40.1	20.9	21.3	24.7	25	173.1	87.8	120.0	98.4	319.8	<.2	5.	1.7
638	2.75	< 7.0	48.6	12.7	26.5	26.0	20	223.5	33.5	70.7	108.1	207.3	<.2	3.	1.6
639	2.63	< 7.0	49.3	15.9	20.4	26.3	15	198.7	39.3	89.6	86.4	235.0	<.2	3.	1.4
640	2.89	10.0	145.7	25.2	18.1	49.7	15	227.4	45.3	122.4	97.1	235.8	<.2	4.	1.4
641	2.83	8.9	158.0	27.5	40.5	52.9	25	193.7	44.8	145.5	148.3	375.7	<.2	5.	3.2
642	3.23	< 7.0	57.2	25.5	23.4	26.6	< 5	203.6	23.5	75.4	116.0	201.0	<.2	4.	.6
643	2.71	< 7.0	87.8	22.0	29.5	41.9	15	219.1	30.2	103.3	115.4	244.5	<.2	3.	.7
644	2.76	< 7.0	63.8	18.7	41.8	41.9	20	193.7	38.6	82.9	151.2	183.0	<.2	4.	1.7
645	2.46	< 7.0	44.0	16.2	23.6	23.5	15	264.1	24.2	57.8	85.6	112.3	<.2	4.	1.4
646	2.61	< 7.0	60.7	16.8	21.0	32.0	5	256.0	36.5	93.0	89.2	186.7	<.2	4.	1.7
647	2.75	< 7.0	51.4	14.8	19.9	29.6	10	242.4	42.9	87.9	91.8	171.9	<.2	3.	.6
648	2.66	< 7.0	40.4	13.1	21.3	24.7	20	213.1	47.4	77.3	106.2	461.9	<.2	3.	1.3
649	2.24	< 7.0	50.2	12.2	27.7	32.2	10	227.5	42.4	78.1	112.7	242.7	<.2	4.	1.1
650	2.82	< 7.0	31.5	11.5	30.9	23.3	20	160.4	58.8	66.4	133.9	464.5	<.2	4.	.8
651	1.86	< 7.0	58.0	30.2	31.1	36.7	< 5	203.2	25.5	155.2	110.8	126.1	<.2	5.	.6
652	2.52	< 7.0	90.6	17.8	24.8	33.8	15	134.5	23.3	90.6	113.2	168.1	<.2	4.	.5
653	1.99	< 7.0	54.1	24.7	27.9	33.8	< 5	162.0	19.1	125.3	101.4	143.0	<.2	5.	.2
655	2.03	< 7.0	74.9	27.4	41.1	42.9	15	219.5	16.9	159.3	149.1	124.3	<.2	5.	.4
656	2.24	< 7.0	28.1	14.7	17.6	17.7	25	232.1	28.5	77.5	125.1	127.0	<.2	5.	.8
657	3.19	< 7.0	27.7	13.6	21.5	17.0	20	148.4	27.5	76.2	157.4	147.5	<.2	5.	.9
658	2.59	< 7.0	44.5	14.5	33.4	25.0	15	314.8	18.9	118.3	138.7	104.2	<.2	5.	1.0
659	3.15	< 7.0	27.8	12.8	16.0	14.5	20	150.9	23.8	66.3	120.9	176.5	<.2	4.	1.2
660	2.62	< 7.0	50.5	13.8	14.0	22.2	15	204.7	43.5	91.1	102.7	139.4	<.2	5.	.7
661	3.44	< 7.0	43.2	15.0	16.2	19.4	15	237.1	44.2	107.1	95.9	124.0	<.2	4.	1.0
662	2.90	< 7.0	102.0	26.2	35.2	32.4	20	199.7	67.7	133.9	117.0	159.1	<.2	4.	7.2
663	2.26	< 7.0	32.8	19.1	17.8	21.7	< 5	273.2	27.4	104.8	88.0	121.2	<.2	5.	.5
664	2.22	< 7.0	27.7	31.7	21.2	23.8	< 5	369.8	23.3	163.0	124.7	171.7	<.2	5.	1.0

TABLE 2 CONTINUED

Sample Number	Be	Cd	Cr	Co	Cu	Ni	Pb	Sr	Th	V	Zn	Zr	Ag	Mo	U
665	2.08	< 7.0	44.4	31.3	20.3	25.4	10	396.8	36.6	198.2	134.2	144.0	<.2	5.	1.0
666	2.55	< 7.0	26.8	10.9	21.3	19.6	10	285.6	23.3	92.2	103.8	158.5	<.2	4.	2.6
667	2.02	< 7.0	28.3	24.8	15.7	20.8	5	301.6	23.5	160.1	96.6	315.4	<.2	4.	1.4
668	2.24	< 7.0	22.9	17.1	16.5	17.7	5	306.4	20.0	84.1	84.7	183.8	<.2	4.	2.4
669	2.65	< 7.0	24.0	19.7	19.7	19.4	5	263.3	27.5	81.7	96.1	156.7	<.2	4.	2.4
670	1.70	< 7.0	30.2	29.5	17.9	23.8	< 5	686.7	19.6	196.7	122.3	126.6	<.2	7.	.4
671	2.01	< 7.0	24.8	14.7	13.9	18.0	< 5	432.6	16.3	162.6	107.6	225.5	<.2	4.	.9
672	1.85	< 7.0	35.5	26.1	16.1	25.2	25	409.3	27.9	150.7	134.9	191.5	<.2	4.	.8
673	1.81	< 7.0	19.0	26.9	24.0	20.6	5	521.7	18.1	149.9	116.5	151.2	<.2	4.	.4
674	2.29	< 7.0	24.1	33.8	31.1	24.9	10	338.5	24.6	153.2	146.2	139.0	<.2	4.	.8
675	2.27	< 7.0	45.8	24.8	45.6	29.9	5	328.1	15.7	144.4	96.3	87.2	<.2	4.	2.6
676	3.13	< 7.0	36.6	21.4	17.5	27.5	15	196.5	56.4	87.3	135.9	411.7	<.2	4.	1.4
677	4.31	< 7.0	21.6	23.5	19.2	24.8	20	148.9	72.8	64.2	159.6	617.6	<.2	5.	1.5
678	5.13	< 7.0	52.9	23.1	16.8	32.4	25	152.6	64.3	92.7	184.6	1214.0	<.2	10.	1.7
679	5.41	< 7.0	23.3	21.1	12.6	19.2	25	133.1	52.9	58.7	147.2	536.3	<.2	4.	1.2
680	2.84	< 7.0	45.7	13.0	28.3	27.9	25	163.5	21.2	64.5	148.3	191.7	<.2	4.	.8
681	2.81	< 7.0	62.7	18.3	33.1	37.0	30	221.0	66.1	109.1	132.3	238.5	<.2	4.	2.4
682	2.85	< 7.0	86.5	14.8	28.5	44.9	25	236.0	44.7	87.8	132.2	272.2	<.2	4.	1.2
683	2.09	< 7.0	79.2	38.7	25.4	44.9	< 5	207.2	24.8	254.3	120.9	165.7	<.2	4.	.6
684	2.27	< 7.0	56.2	22.0	16.4	31.9	< 5	271.4	33.5	89.3	83.8	165.9	<.2	4.	.5
685	2.30	< 7.0	78.9	27.0	21.4	37.0	10	296.0	28.6	140.8	112.4	157.9	<.2	4.	.6
686	2.10	< 7.0	27.7	13.0	15.0	16.7	< 5	194.1	23.8	85.9	96.8	184.7	<.2	4.	.4
687	2.87	< 7.0	28.1	12.8	20.2	18.3	20	133.6	27.9	62.8	104.5	175.4	<.2	4.	.4
688	2.84	< 7.0	22.0	13.7	12.9	14.3	5	142.5	50.4	70.7	73.7	280.2	<.2	6.	.3
689	2.21	< 7.0	52.3	52.3	27.1	43.4	< 5	442.2	38.1	269.7	128.2	134.9	<.2	7.	.7
690	2.30	< 7.0	100.4	38.4	31.9	56.0	10	619.3	37.2	196.3	113.3	92.0	<.2	7.	.6
691	2.60	< 7.0	40.2	11.6	23.3	27.0	5	118.0	18.1	79.7	115.0	153.2	<.2	5.	2.4
692	2.60	< 7.0	25.2	14.5	21.0	17.2	10	116.0	19.5	56.1	102.2	155.5	<.2	5.	2.8
693	3.42	< 7.0	33.6	19.5	29.6	25.7	45	122.5	28.0	71.0	198.7	136.3	<.2	5.	.8
694	2.31	< 7.0	22.8	9.7	13.4	14.3	15	108.6	22.8	54.1	92.3	147.3	<.2	5.	1.4
695	2.25	< 7.0	57.0	21.5	28.3	27.5	20	103.5	53.5	83.4	139.7	156.1	<.2	6.	.7
696	2.81	< 7.0	40.1	16.7	23.2	18.3	30	221.0	24.9	106.9	155.1	119.3	<.2	7.	1.0
697	2.27	< 7.0	29.6	12.2	11.3	17.0	< 5	314.1	25.9	102.9	83.3	138.3	<.2	4.	.4
698	1.86	< 7.0	60.4	25.4	36.4	36.6	5	222.7	14.4	183.1	138.7	114.5	<.2	6.	.4
699	2.18	< 7.0	92.7	26.3	44.6	42.8	20	201.7	23.8	205.2	172.9	137.2	<.2	4.	.8
700	2.26	< 7.0	71.3	36.6	34.1	46.0	5	210.1	15.8	172.6	133.8	94.6	<.2	5.	1.4
701	2.26	< 7.0	48.5	35.5	46.3	35.3	20	210.2	19.5	153.5	154.0	129.9	<.2	5.	1.2
702	2.00	< 7.0	30.5	25.5	55.5	23.7	15	238.8	37.6	114.5	135.8	158.1	<.2	4.	.9
703	2.28	< 7.0	49.3	35.1	39.4	37.0	< 5	227.1	22.5	166.7	129.5	109.5	<.2	4.	.9
704	2.02	< 7.0	112.3	35.5	42.6	54.4	30	200.4	19.4	144.7	152.0	88.4	<.2	5.	2.4
705	1.33	< 7.0	110.7	23.5	5.6	30.4	< 5	150.7	32.6	121.0	56.6	88.8	<.2	6.	.7

Standard Statistics

Raw Data

Table 3

BARRINGER RESOURCES INC. STANDARD STATISTICAL PACKAGE 12/JAN/81

BUREAU OF LAND MANAGEMENT
ARKANSAS CANYON PLANNING UNIT
CANON CITY, COLORADO 81212

SAMPLE TYPE= STREAM SEDIMENT PROJECT CODE= YA-553-CTO-100

VARIABLE	MEAN	STD DEV	MIN	MAX	RANGE	NO.SAMPLES WITH RESULTS
AL203	.129E+02	.144E+01	.423E+01	.158E+02	.116E+02	701
CAO	.422E+01	.199E+01	.830E+00	.291E+02	.283E+02	701
FE203	.110E+02	.594E+01	.189E+01	.539E+02	.520E+02	701
MGO	.282E+01	.138E+01	.480E+00	.125E+02	.120E+02	701
TIO2	.135E+01	.803E+00	.220E+00	.967E+01	.945E+01	701
MNO	.178E+00	.923E-01	.300E-01	.198E+01	.195E+01	701
NA20	.266E+01	.670E+00	.500E-01	.544E+01	.539E+01	701
K20	.242E+01	.520E+00	.760E+00	.435E+01	.359E+01	701
P205	.309E+00	.206E+00	.300E-01	.177E+01	.174E+01	701
SIO2	.162E+01	.921E+00	.700E-01	.589E+01	.582E+01	701
BA	.992E+03	.410E+03	.223E+03	.272E+04	.250E+04	701
BE	.262E+01	.986E+00	.660E+00	.998E+01	.932E+01	701
CD	.759E+01	.206E+01	.700E+01	.275E+02	.205E+02	701
CR	.933E+02	.943E+02	.800E+00	.123E+04	.123E+04	701
CO	.313E+02	.145E+02	.250E+01	.101E+03	.981E+02	701
CU	.317E+02	.312E+02	.340E+01	.655E+03	.651E+03	701
NI	.424E+02	.327E+02	.460E+01	.437E+03	.432E+03	701
PB	.204E+02	.140E+02	.500E+01	.145E+03	.140E+03	701
SR	.248E+03	.981E+02	.345E+02	.872E+03	.838E+03	701
TH	.368E+02	.253E+02	.820E+01	.232E+03	.224E+03	701
V	.161E+03	.977E+02	.278E+02	.776E+03	.748E+03	701
ZN	.136E+03	.397E+02	.239E+02	.495E+03	.471E+03	701
ZR	.247E+03	.315E+03	.153E+02	.438E+04	.436E+04	701
AG	.253E+00	.135E+00	.200E+00	.180E+01	.160E+01	701
MO	.456E+01	.144E+01	0.	.190E+02	.190E+02	701
U	.856E+00	.703E+00	.200E+00	.720E+01	.700E+01	701

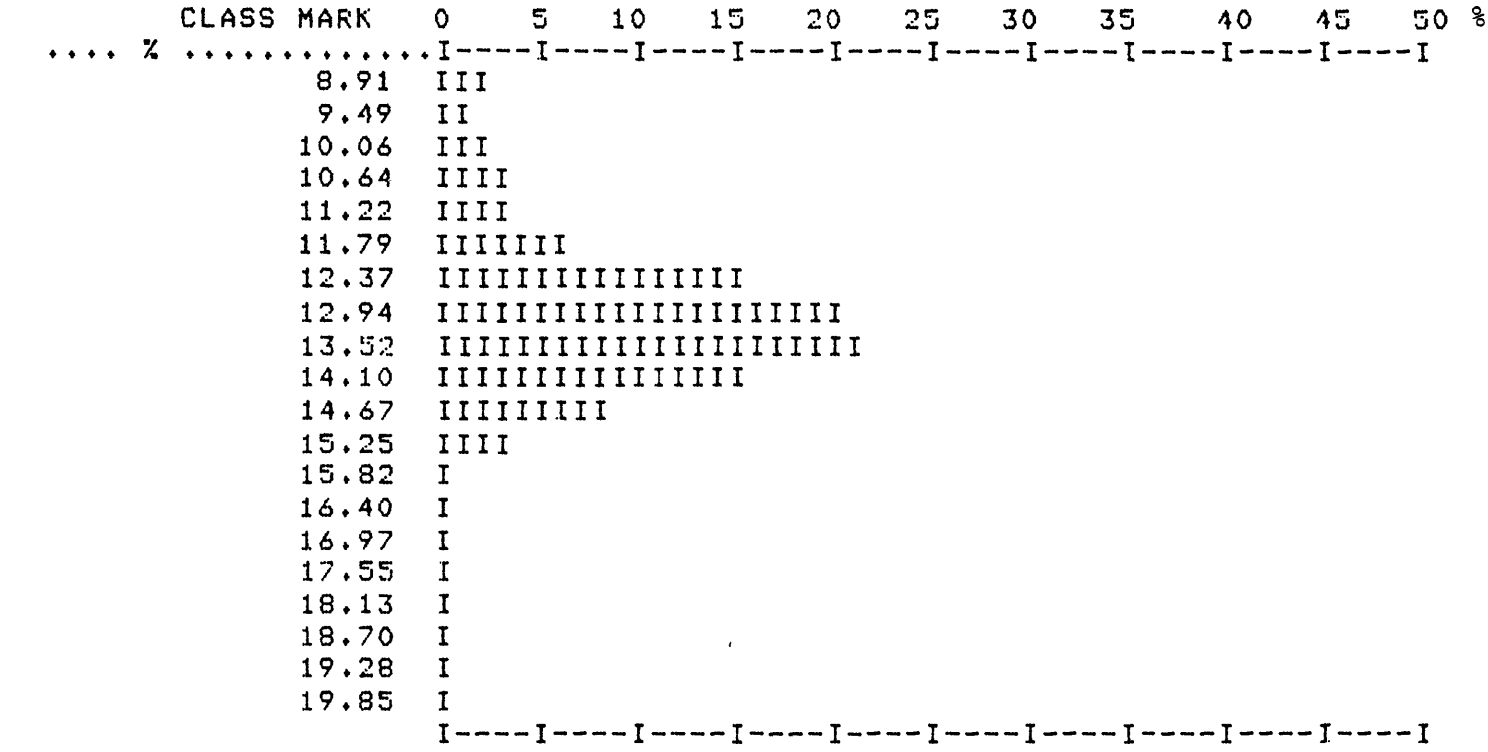
CORRELATION MATRIX
SAMPLE SIZE = 701

	AL2O3	CAO	FE2O3	MGO	TIO2	MNO	NA2O	K2O	P2O5	SIO2	BA	BE	CD	CR	CO	CU	NI	PB	SR
AL2O3	1.000																		
CAO	-.273	1.000																	
FE2O3	-.474	.185	1.000																
MGO	-.071	.513	.247	1.000															
TIO2	-.393	.209	.844	.197	1.000														
MNO	-.168	.143	.573	.183	.574	1.000													
NA2O	.622	-.145	-.300	-.129	-.255	-.051	1.000												
K2O	.562	-.509	-.503	-.509	-.435	-.330	.366	1.000											
P2O5	-.193	.346	.519	.298	.596	.277	-.049	-.233	1.000										
SIO2	.225	.025	-.105	.187	-.052	-.038	.142	-.004	.043	1.000									
BA	.228	-.074	-.170	-.072	-.062	-.115	.131	.195	.055	.643	1.000								
BE	.262	-.250	-.069	-.260	-.059	.120	.533	.396	-.027	.075	.096	1.000							
CD	.054	.070	.044	.119	.020	.040	.058	-.080	.088	-.027	-.050	.024	1.000						
CR	-.184	.299	.365	.786	.206	.161	-.194	-.424	.218	.097	-.085	-.211	.089	1.000					
CO	-.390	.359	.719	.514	.676	.436	-.308	-.577	.516	.121	.071	-.186	.046	.478	1.000				
CU	.046	.214	.027	.357	.021	.013	-.096	-.167	.110	.187	.037	-.140	.021	.190	.158	1.000			
NI	-.151	.395	.317	.857	.217	.143	-.193	-.423	.290	.160	-.028	-.225	.066	.929	.523	.274	1.000		
PB	.087	-.238	-.156	-.197	-.151	-.126	-.101	.204	-.115	.187	.191	.007	-.034	-.140	-.078	.055	-.133	1.000	
SR	.034	.549	.015	.250	.123	-.102	.024	-.108	.455	.047	.158	-.266	-.012	.124	.147	.130	.230	-.121	1.000
TH	-.127	-.232	.215	-.249	.136	.201	.004	.099	.052	-.014	.054	.374	-.058	-.087	.148	-.127	-.130	.279	-.211
V	-.466	.333	.912	.395	.792	.414	-.341	-.593	.524	-.079	-.183	-.234	.043	.443	.742	.098	.409	-.210	.181
ZN	-.037	-.023	.298	.067	.317	.310	-.074	.003	.191	.077	.021	.242	.042	.023	.266	.302	.033	.474	-.204
ZR	-.009	-.172	.071	-.223	.070	.170	.224	.199	.003	-.023	.002	.611	-.022	-.147	-.025	-.115	-.172	.031	-.270
AG	.106	.105	.153	.219	.121	.120	.140	-.073	.136	-.136	-.043	.142	.214	.251	.077	.104	.226	-.041	.068
MO	-.099	.178	.155	-.008	.180	.144	-.003	.006	.161	-.014	.026	.119	-.055	.004	.088	.071	.033	.081	.143
U	.042	-.051	-.169	-.201	-.158	-.029	.090	.209	-.163	-.028	-.044	.256	-.033	-.164	-.133	-.089	-.163	.090	-.139

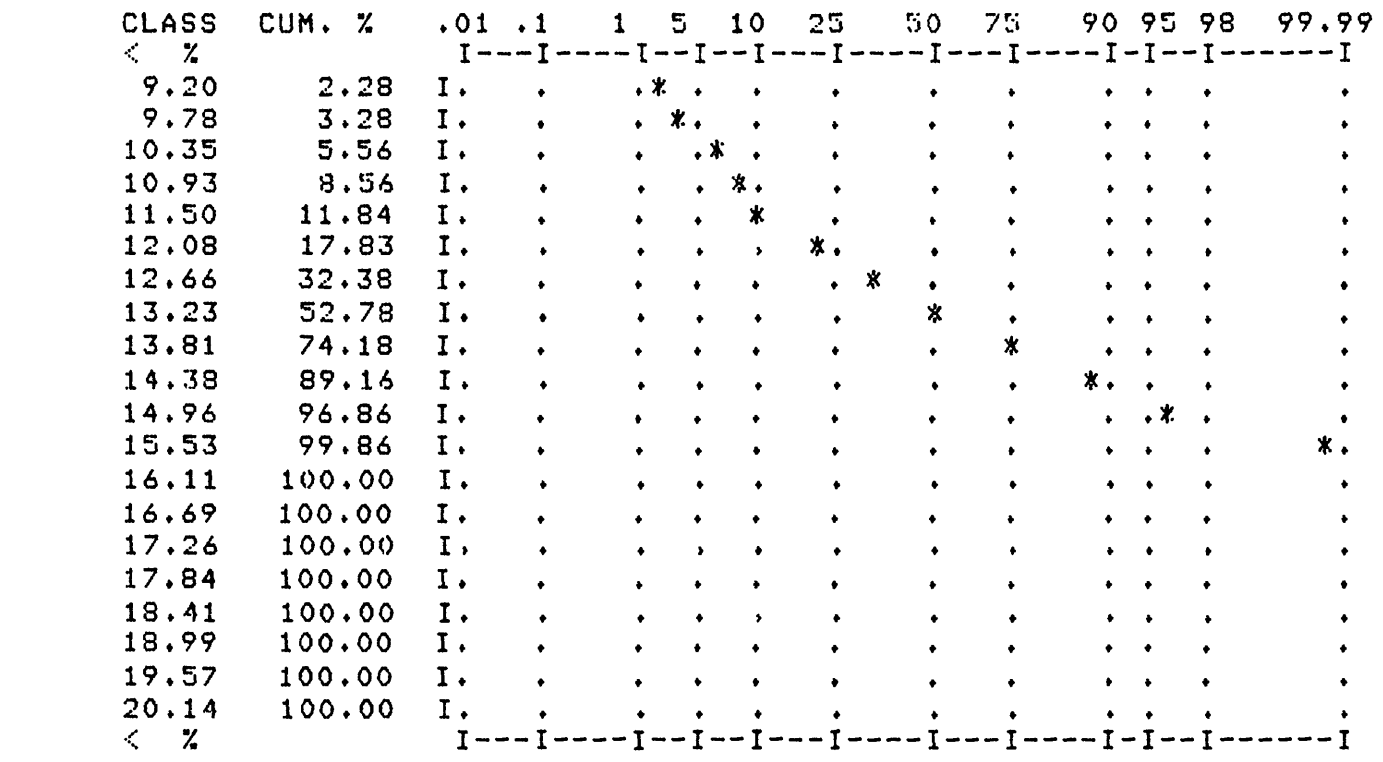
	TH	V	ZN	ZR	AG	MO	U
TH	1.000						
V	.034	1.000					
ZN	.263	.187	1.000				
ZR	.462	-.115	.269	1.000			
AG	-.003	.162	.122	.006	1.000		
MO	.122	.134	.212	.082	.068	1.000	
U	.137	-.220	.069	.196	-.048	.006	1.000

DATA ANALYSIS FOR AL203 SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR AL203

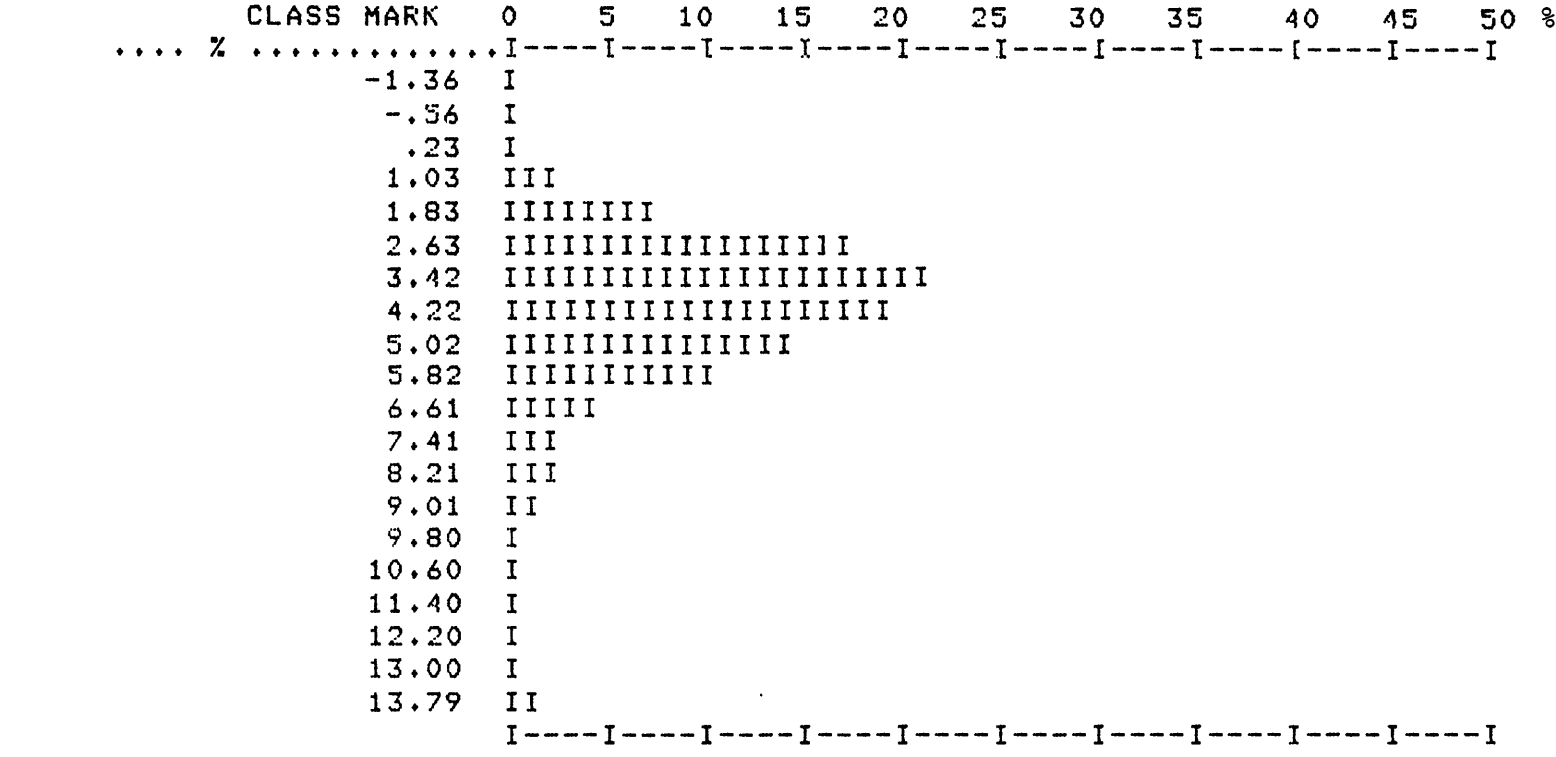


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR AL203

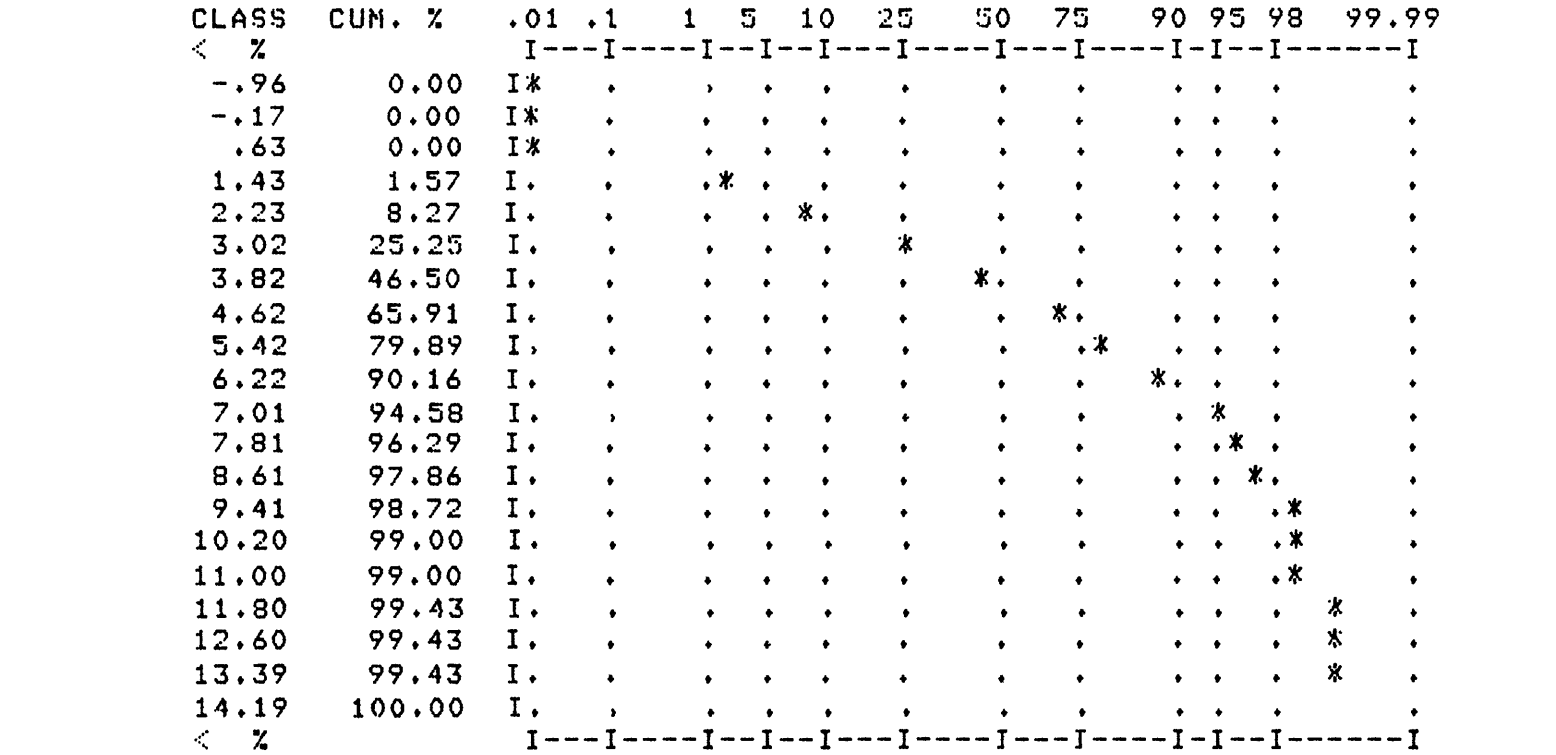


DATA ANALYSIS FOR CAO SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR CAO



PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR CAO



DATA ANALYSIS FOR FE203 SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR FE203

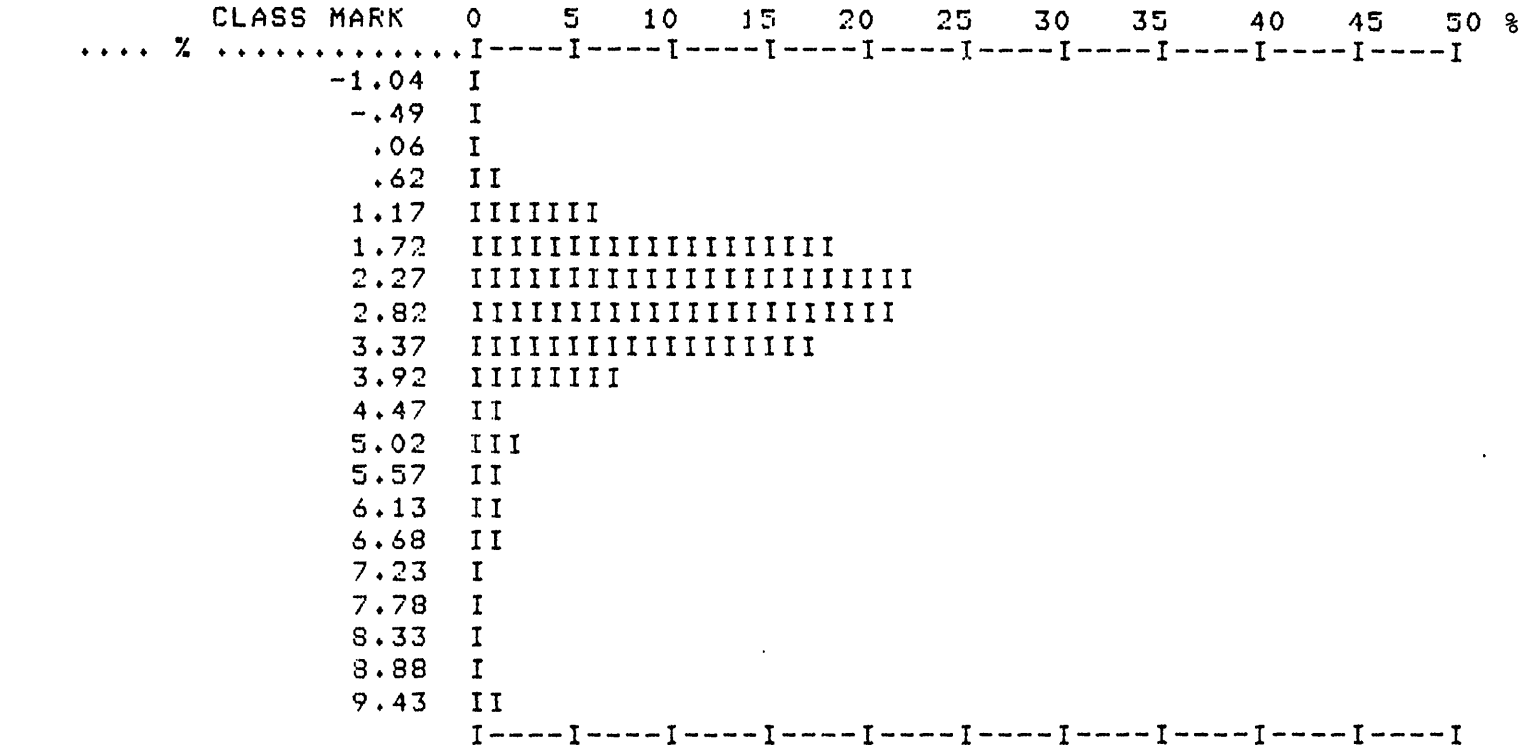
```
      CLASS MARK    0    5    10    15    20    25    30    35    40    45    50 %
.... % ..........I----I----I----I----I----I----I----I----I----I----I----I
           -5.65  I
           -3.28  I
            -.90  I
            1.48  I
            3.86  IIIII
            6.23  IIIIIIIIIIIIIIIIIIII
            8.61  IIIIIIIIIIIIIIIIIIIIIIIIII
           10.99  IIIIIIIIIIIIIIIIII
           13.36  IIIIIIIIII
           15.74  IIIIII
           18.12  IIIIII
           20.50  IIII
           22.87  II
           25.25  II
           27.63  II
           30.00  II
           32.38  I
           34.76  I
           37.13  I
           39.51  II
                  I----I----I----I----I----I----I----I----I----I----I----I
```

PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR FE203

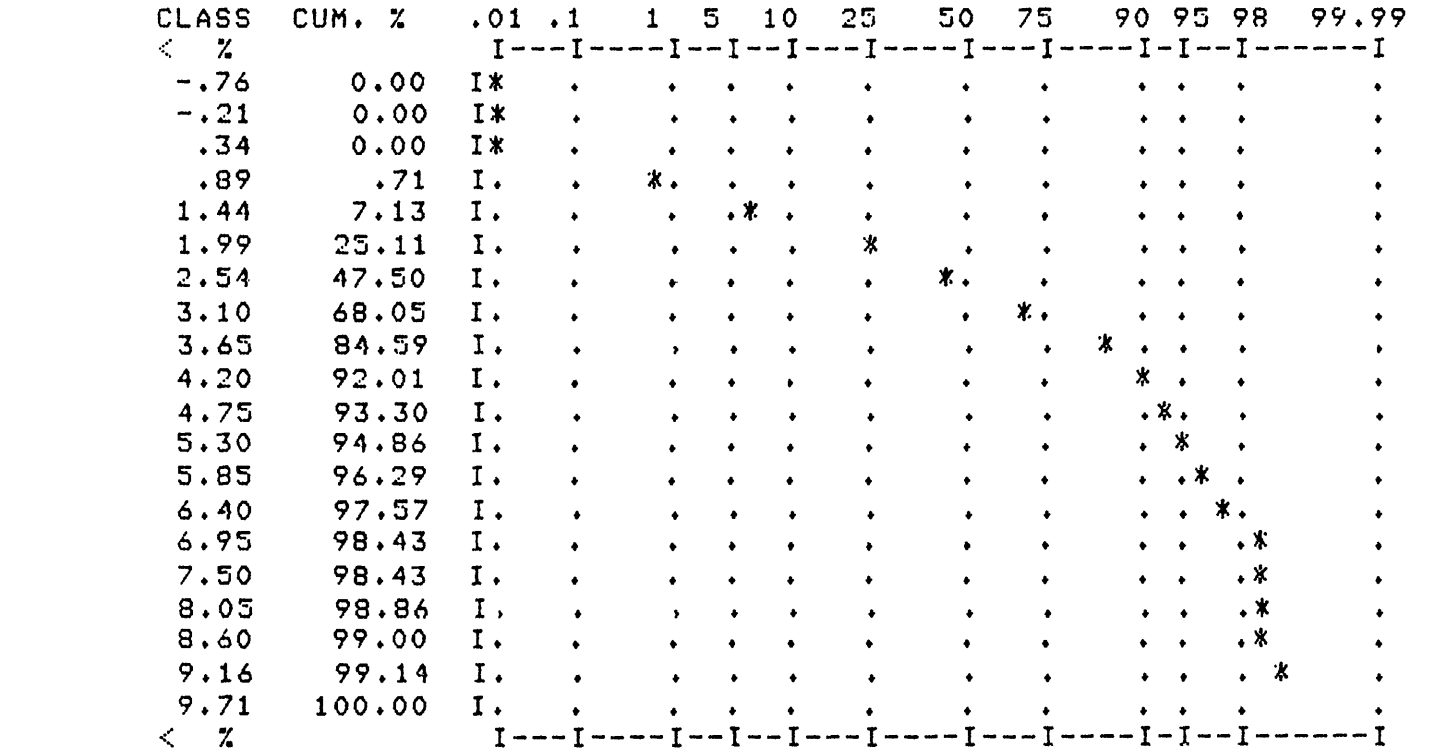
```
   CLASS  CUM. %    .01 .1   1  5  10  25   50  75   90 95 98  99.99
   <  %              I---I----I--I--I---I----I---I----I-I--I------I
   -4.46      0.00  I*   .    .  .  .   .    .   .    . .  .      .
   -2.09      0.00  I*   .    .  .  .   .    .   .    . .  .      .
     .29      0.00  I*   .    .  .  .   .    .   .    . .  .      .
    2.67       .29  I.   . *  .  .  .   .    .   .    . .  .      .
    5.04      4.71  I.   .    .  *  .   .    .   .    . .  .      .
    7.42     25.68  I.   .    .  .  .   *    .   .    . .  .      .
    9.80     53.21  I.   .    .  .  .   .    *   .    . .  .      .
   12.18     72.47  I.   .    .  .  .   .    .   *    . .  .      .
   14.55     82.88  I.   .    .  .  .   .    .   .  * . .  .      .
   16.93     87.73  I.   .    .  .  .   .    .   .    *. .  .      .
   19.31     92.30  I.   .    .  .  .   .    .   .    * .  .      .
   21.68     94.86  I.   .    .  .  .   .    .   .    . *  .      .
   24.06     96.15  I.   .    .  .  .   .    .   .    . .* .      .
   26.44     97.15  I.   .    .  .  .   .    .   .    . . *.      .
   28.81     98.00  I.   .    .  .  .   .    .   .    . .  *      .
   31.19     98.72  I.   .    .  .  .   .    .   .    . .  .*     .
   33.57     99.14  I.   .    .  .  .   .    .   .    . .  . *    .
   35.95     99.14  I.   .    .  .  .   .    .   .    . .  . *    .
   38.32     99.43  I.   .    .  .  .   .    .   .    . .  .  *   .
   40.70    100.00  I.   .    .  .  .   .    .   .    . .  .      .
   <  %              I---I----I--I--I---I----I---I----I-I--I------I
```

DATA ANALYSIS FOR MGO SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR MGO

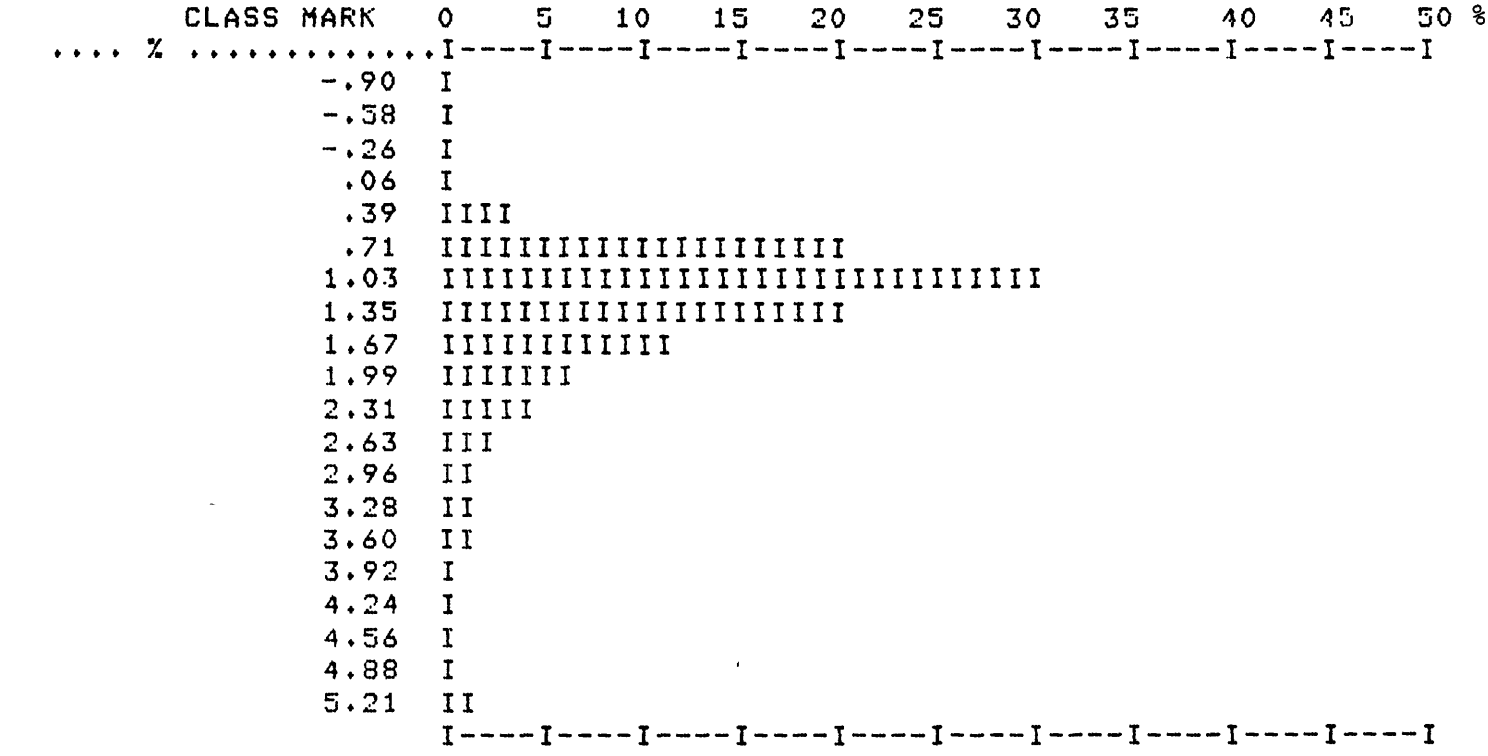


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR MGO

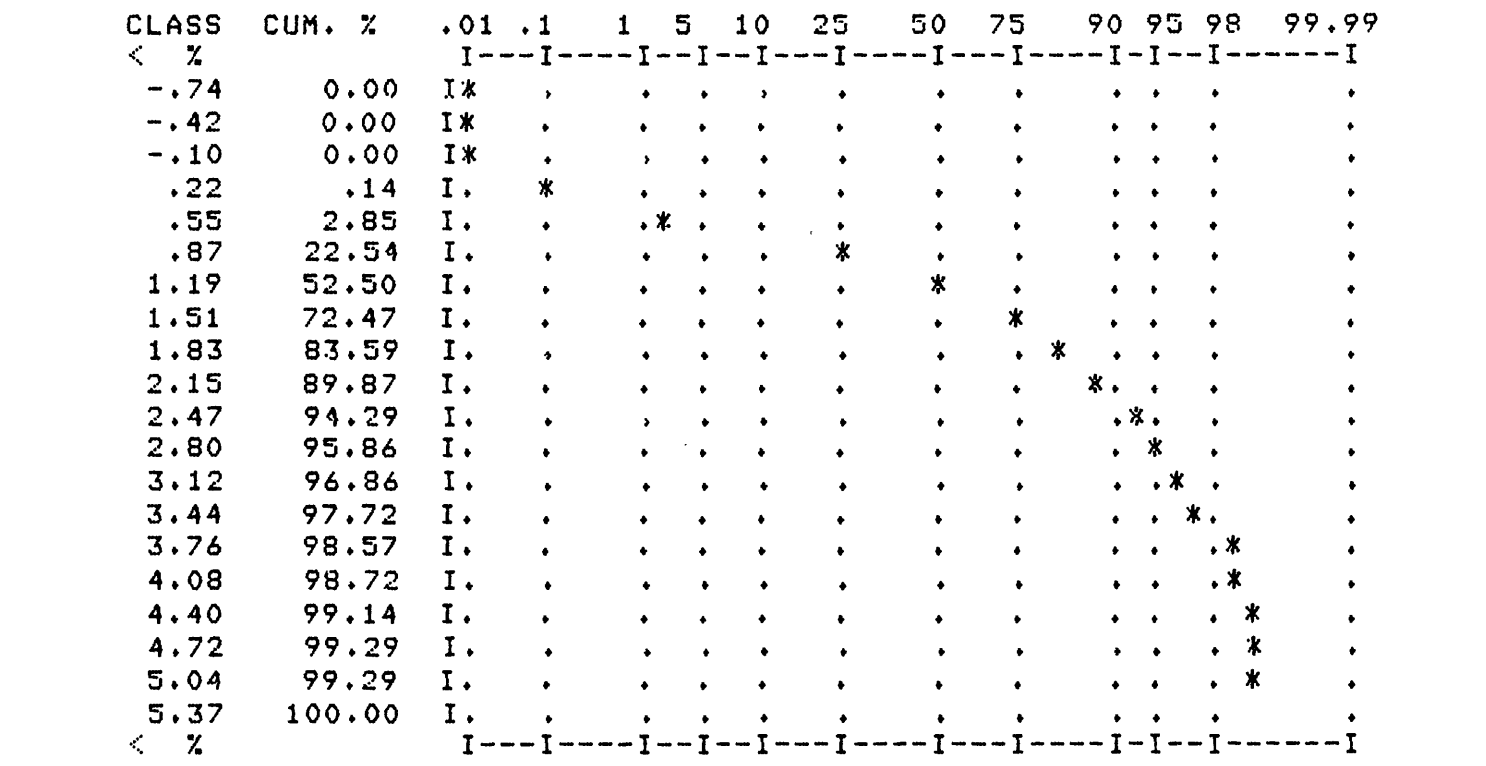


DATA ANALYSIS FOR TIO2 SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR TIO2

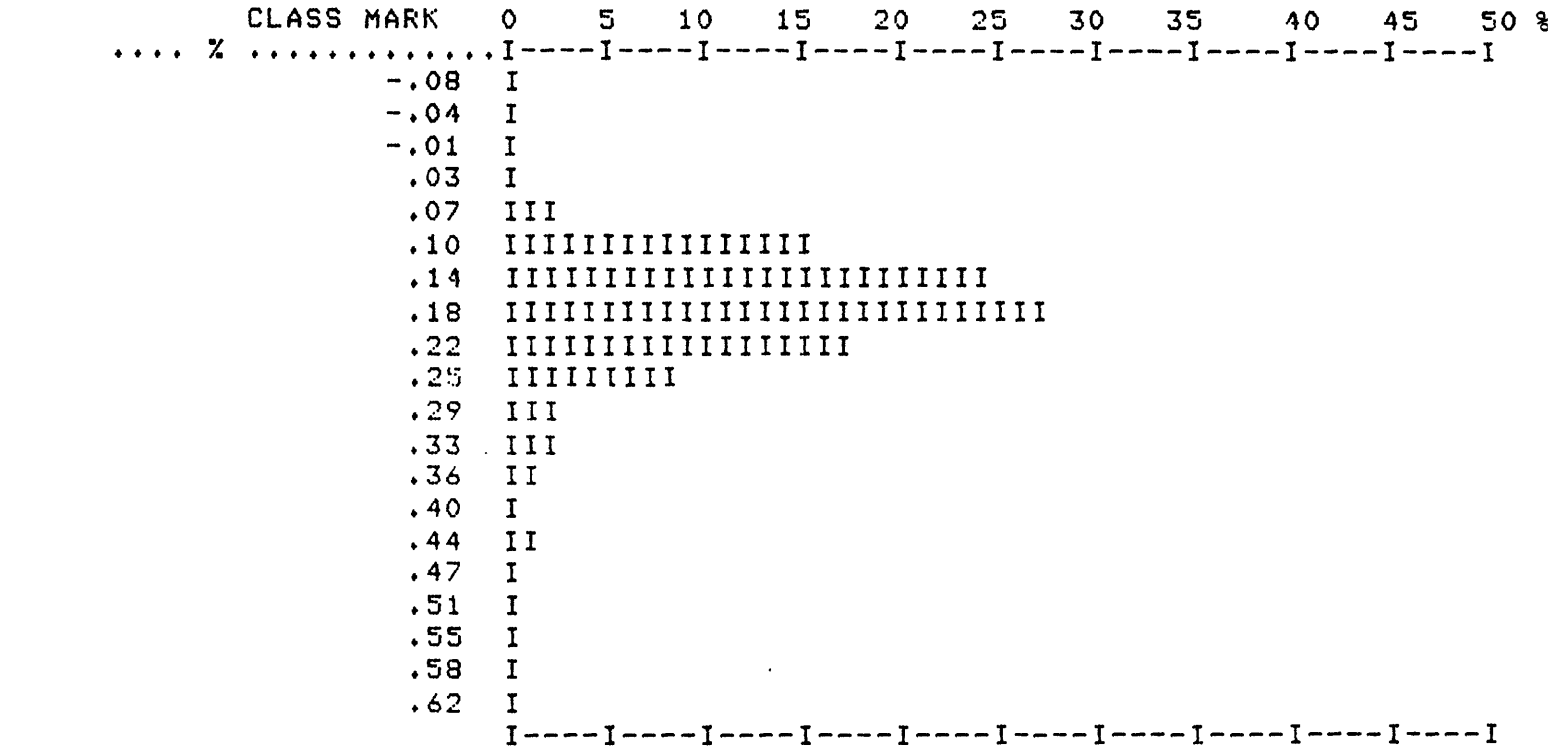


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR TIO2

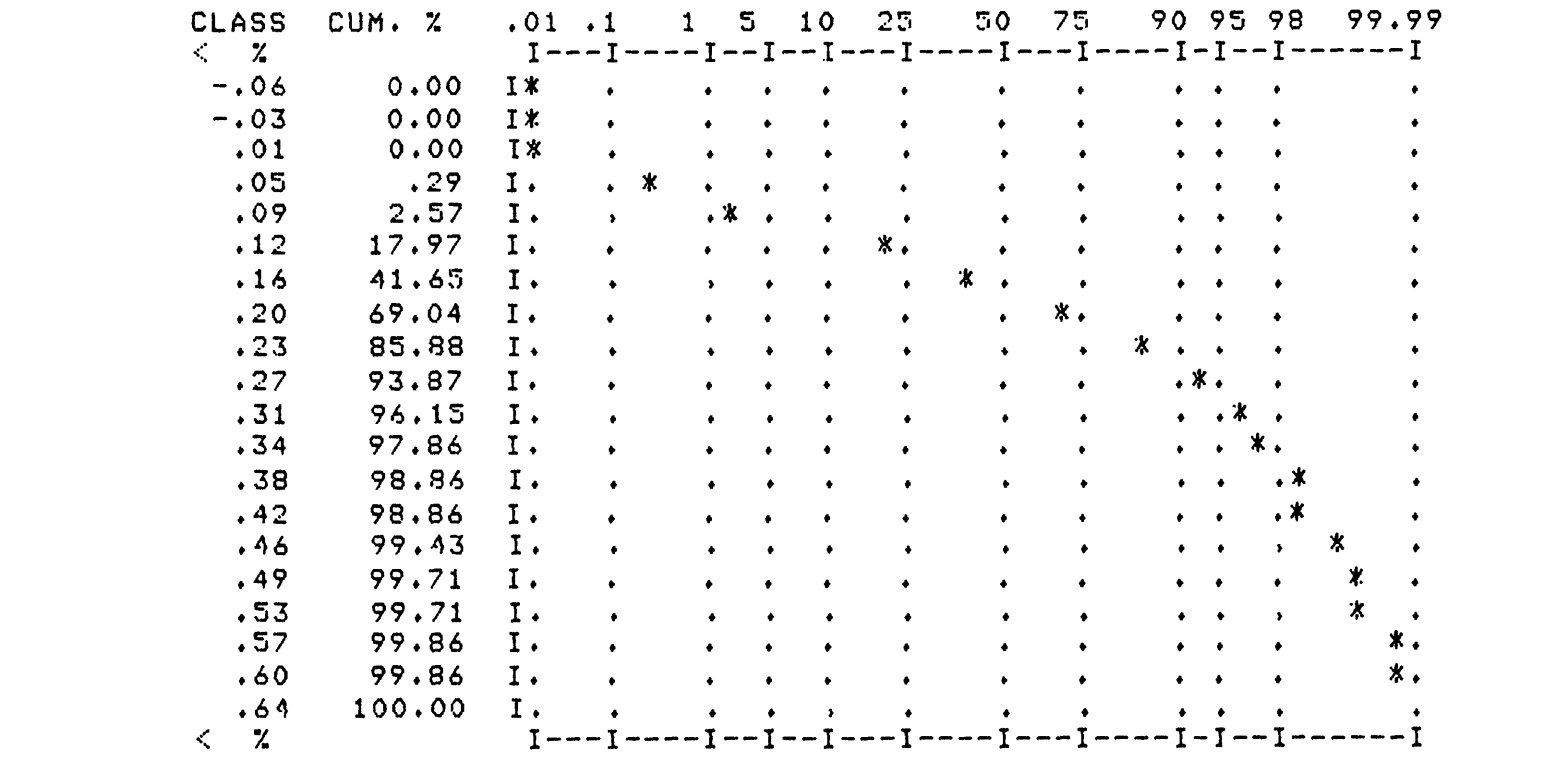


DATA ANALYSIS FOR MNO SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR MNO

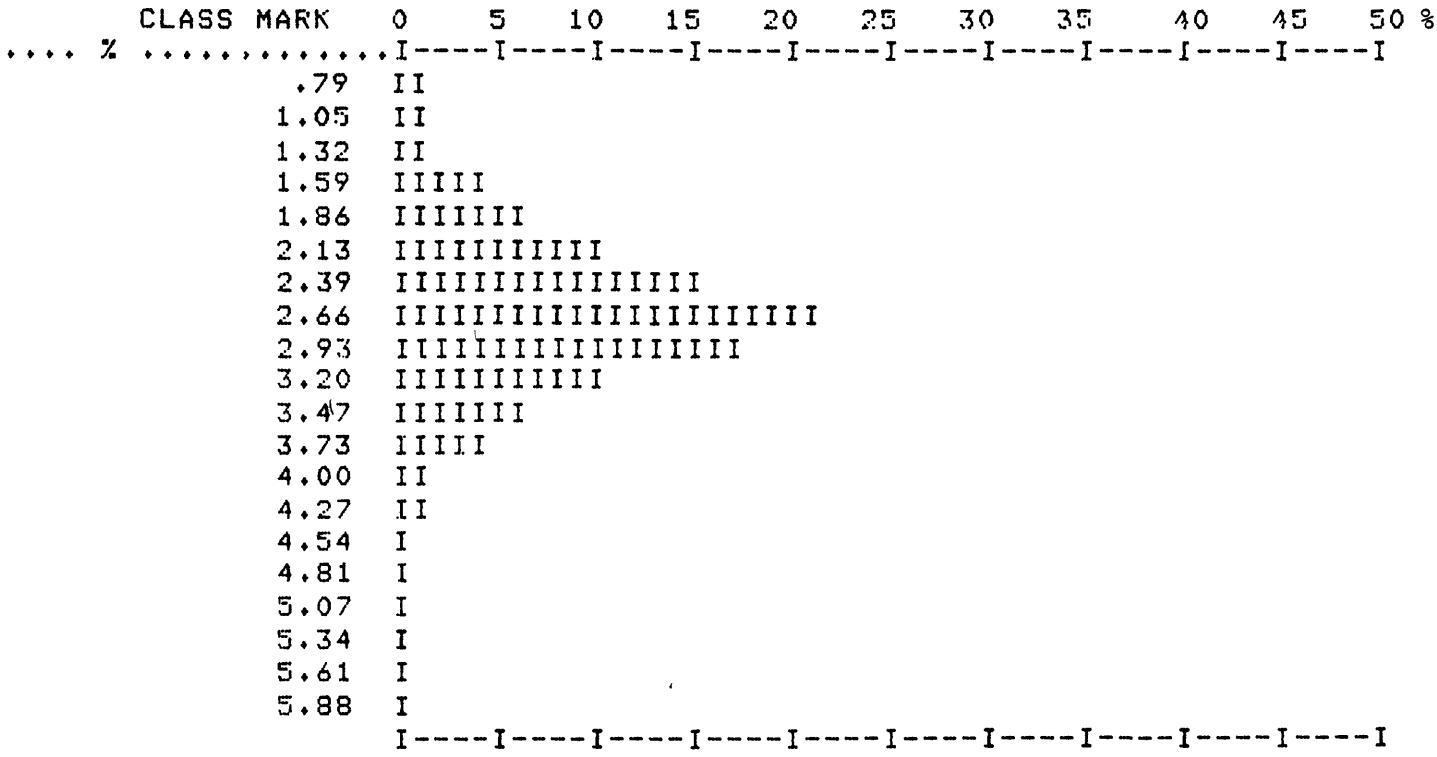


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR MNO



DATA ANALYSIS FOR NA2O SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR NA2O

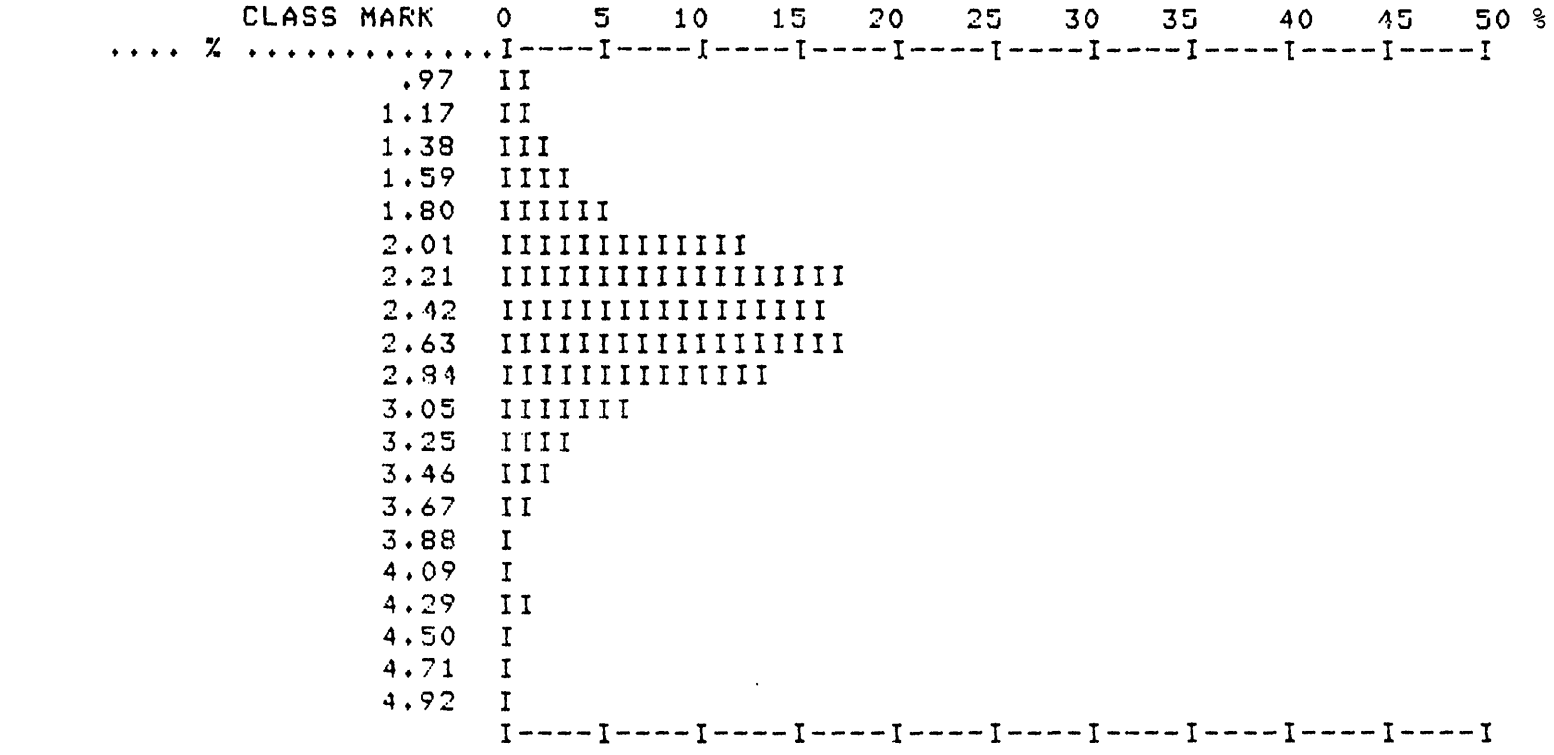


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR NA2O

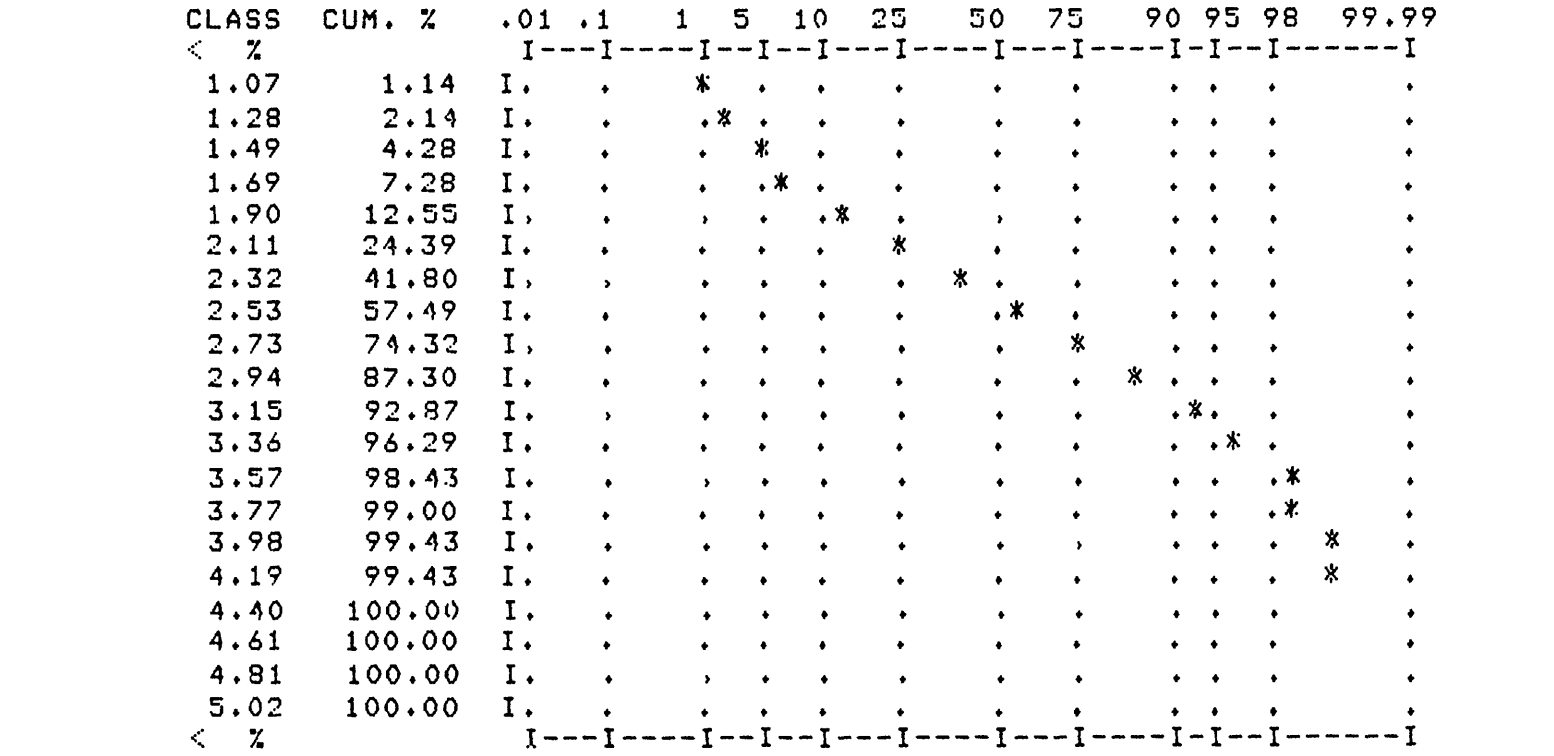
CLASS < %	CUM. %	.01 .1 1 5 10 25 50 75 90 95 98 99.99
		I---I----I--I--I---I----I---I----I-I--I------I
.92	1.28	I. . * . . . .
1.19	2.71	I. . .* . . . .
1.46	3.71	I. . . *. . . . .
1.72	7.42	I. . . . *. . . . .
1.99	12.98	I. . . . .* . . . .
2.26	23.25	I. . . . . * . . . .
2.53	38.52	I. . . . . . * . . . . . .
2.80	59.49	I. . . . . . .* . . . . .
3.06	76.75	I. . . . .* . . . .
3.33	86.73	I. . . . . * . . . .
3.60	92.44	I. . . . . * . . .
3.87	96.72	I. . . . .* . .
4.14	98.00	I. . . . . * .
4.40	99.00	I. . . . .* .
4.67	99.43	I. . . . . * .
4.94	99.57	I. . . . . * .
5.21	99.86	I. . . . .*.
5.48	100.00	I. . . . .
5.75	100.00	I. . . . .
6.01	100.00	I. . . . .
< %		I---I----I--I--I---I----I---I----I-I--I------I

DATA ANALYSIS FOR K20 SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR K20

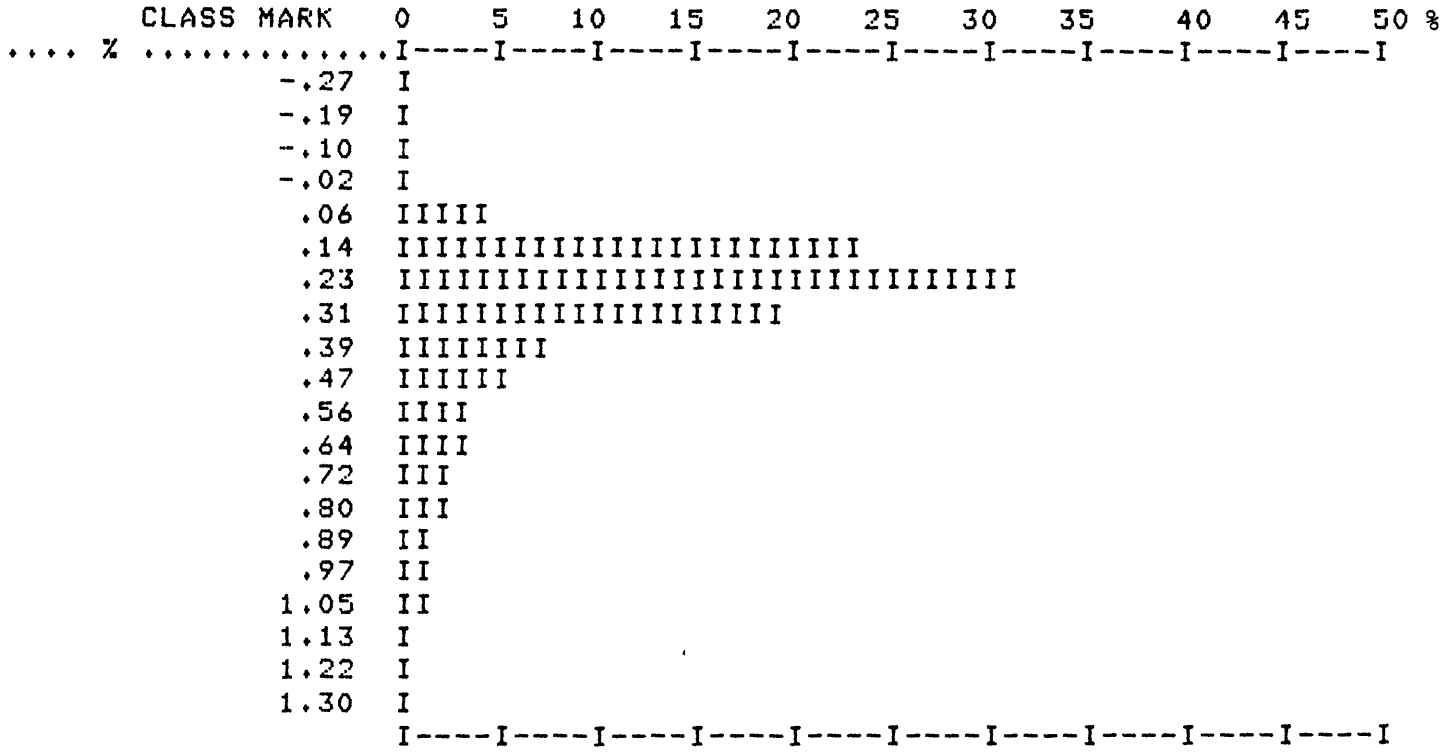


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR K20

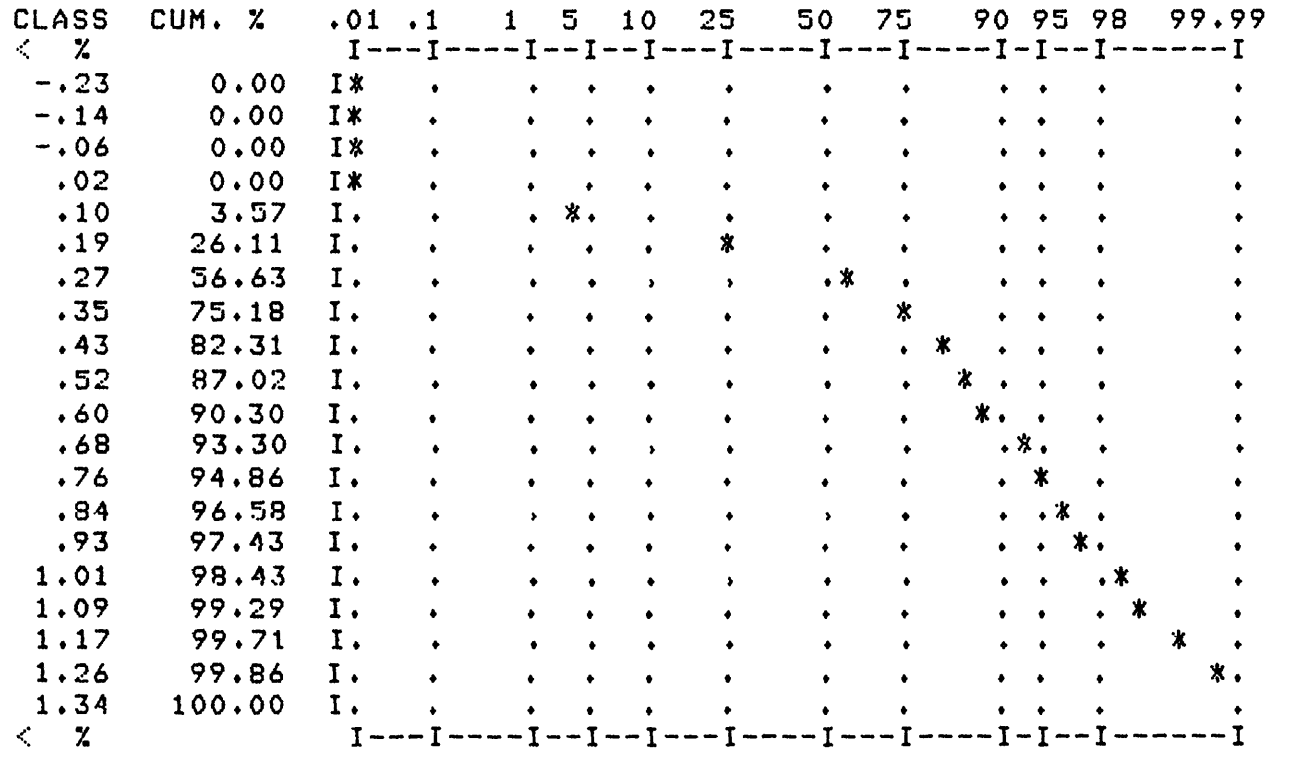


DATA ANALYSIS FOR P205 SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR P205

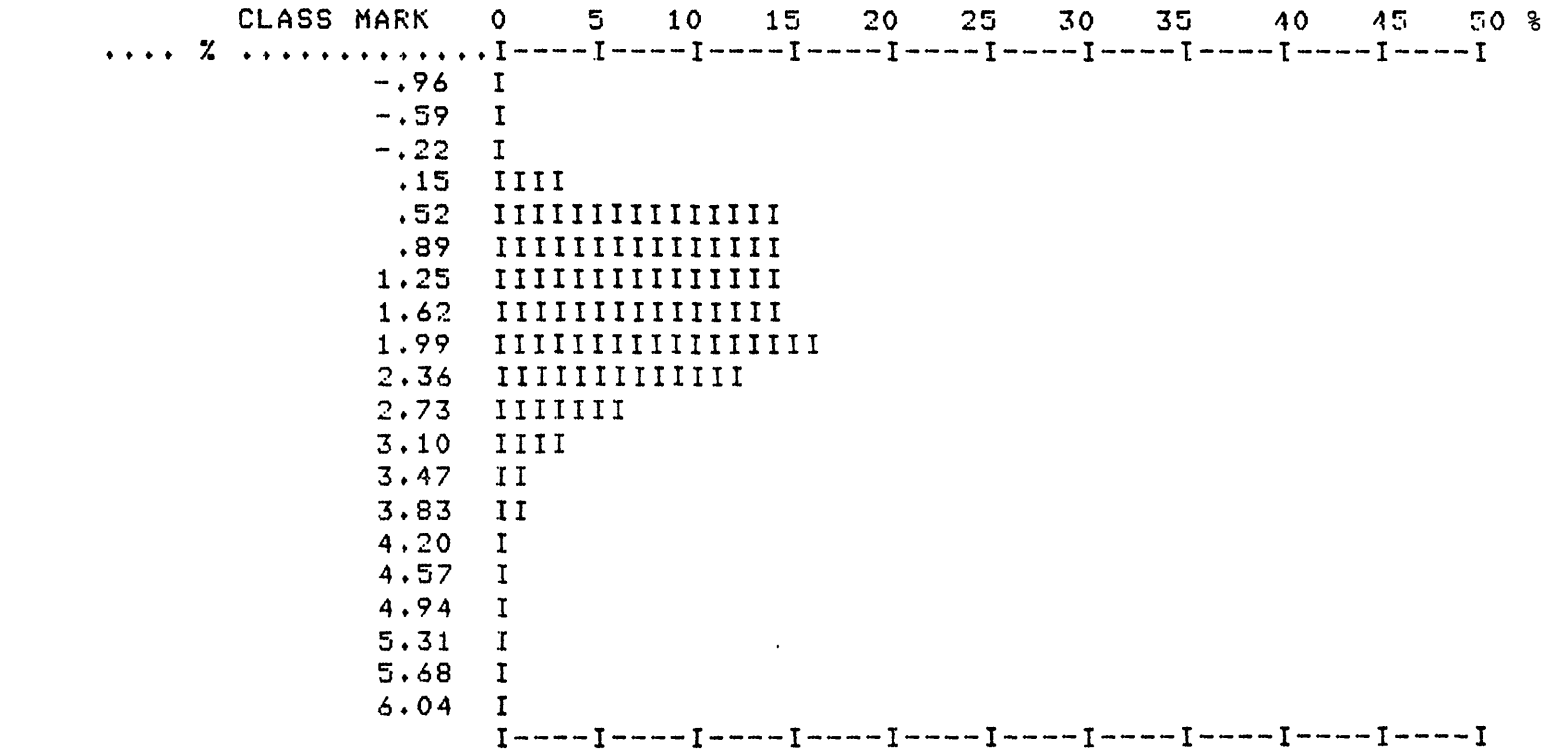


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR P205

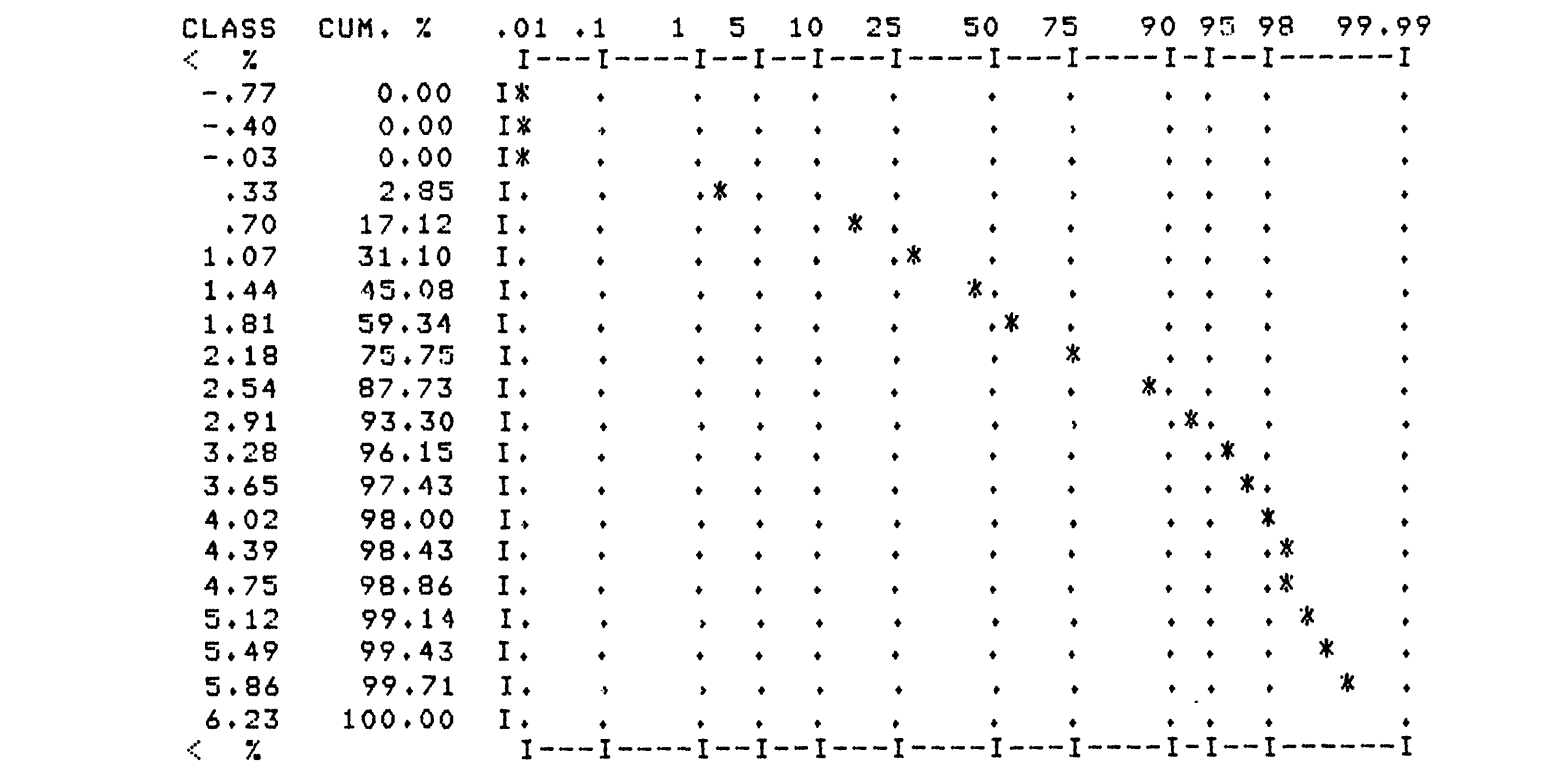


DATA ANALYSIS FOR SIO2 SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR SIO2

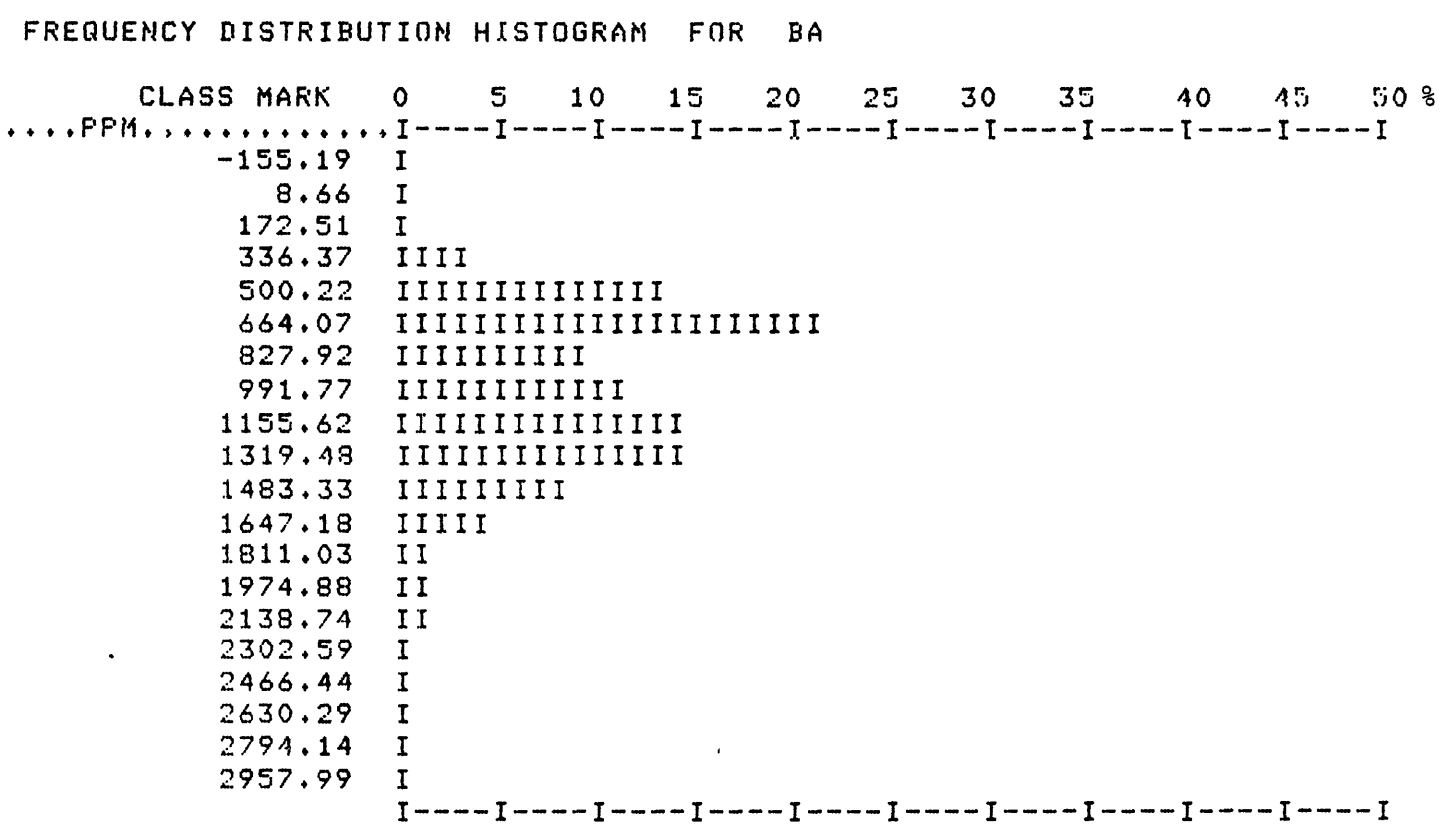


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR SIO2

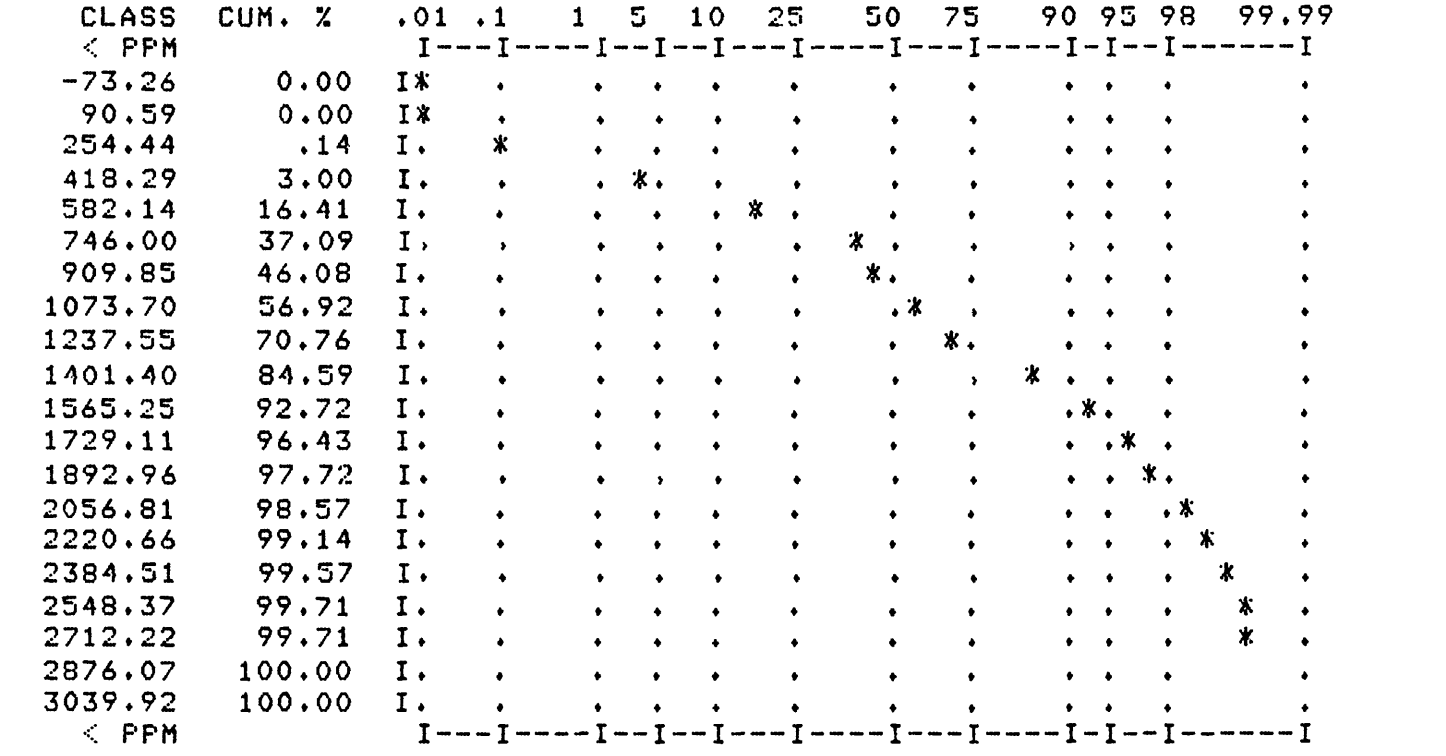


DATA ANALYSIS FOR BA SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR BA

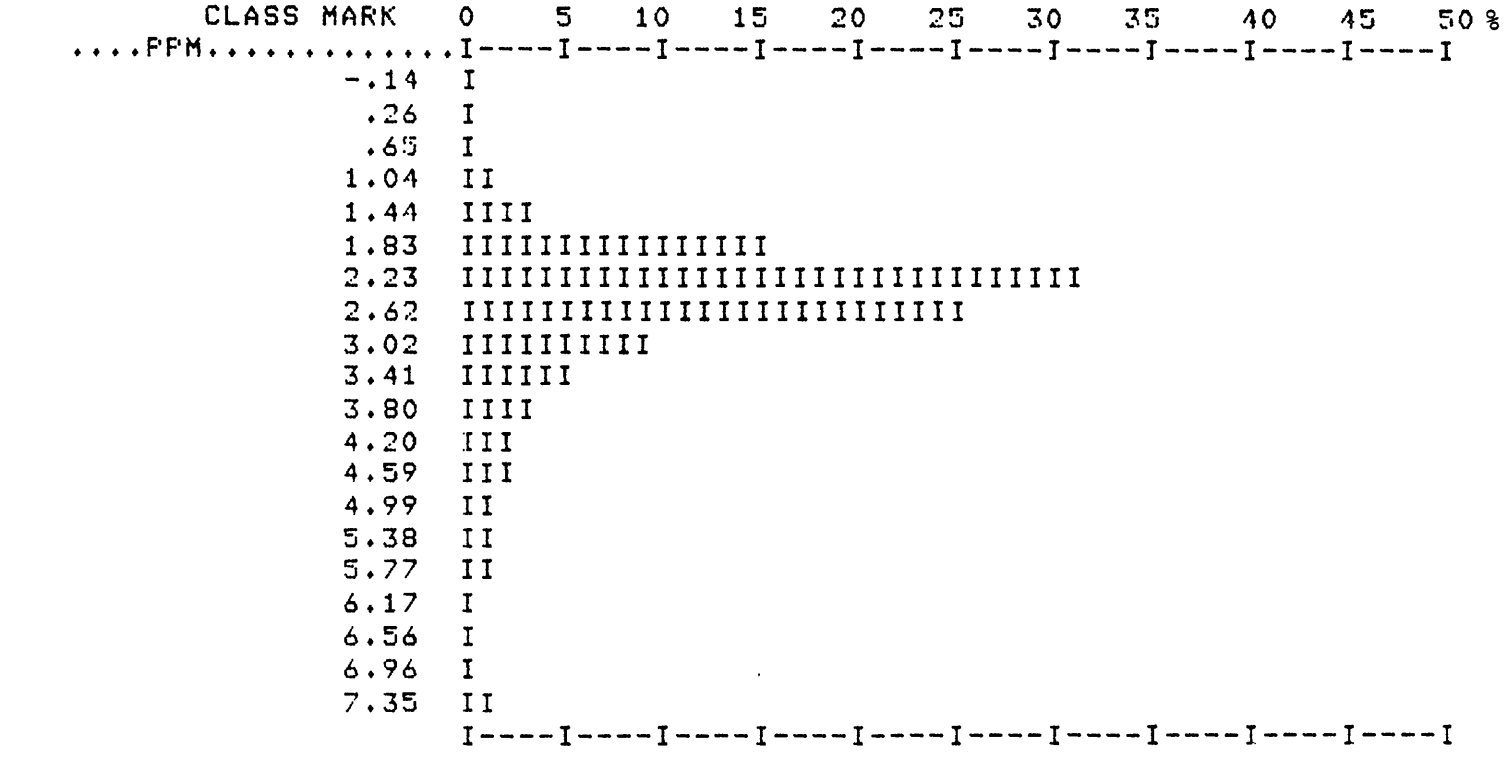


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR BA

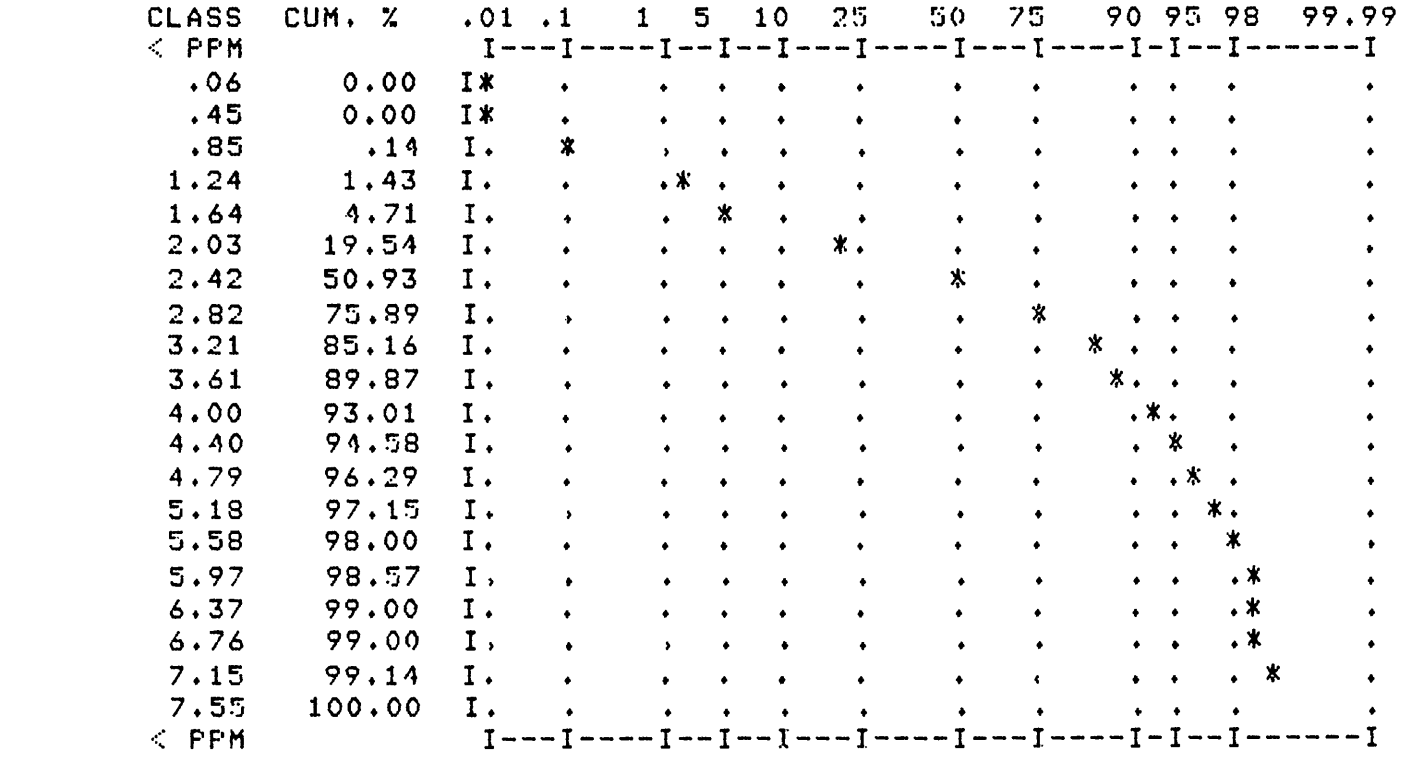


DATA ANALYSIS FOR BE SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR BE

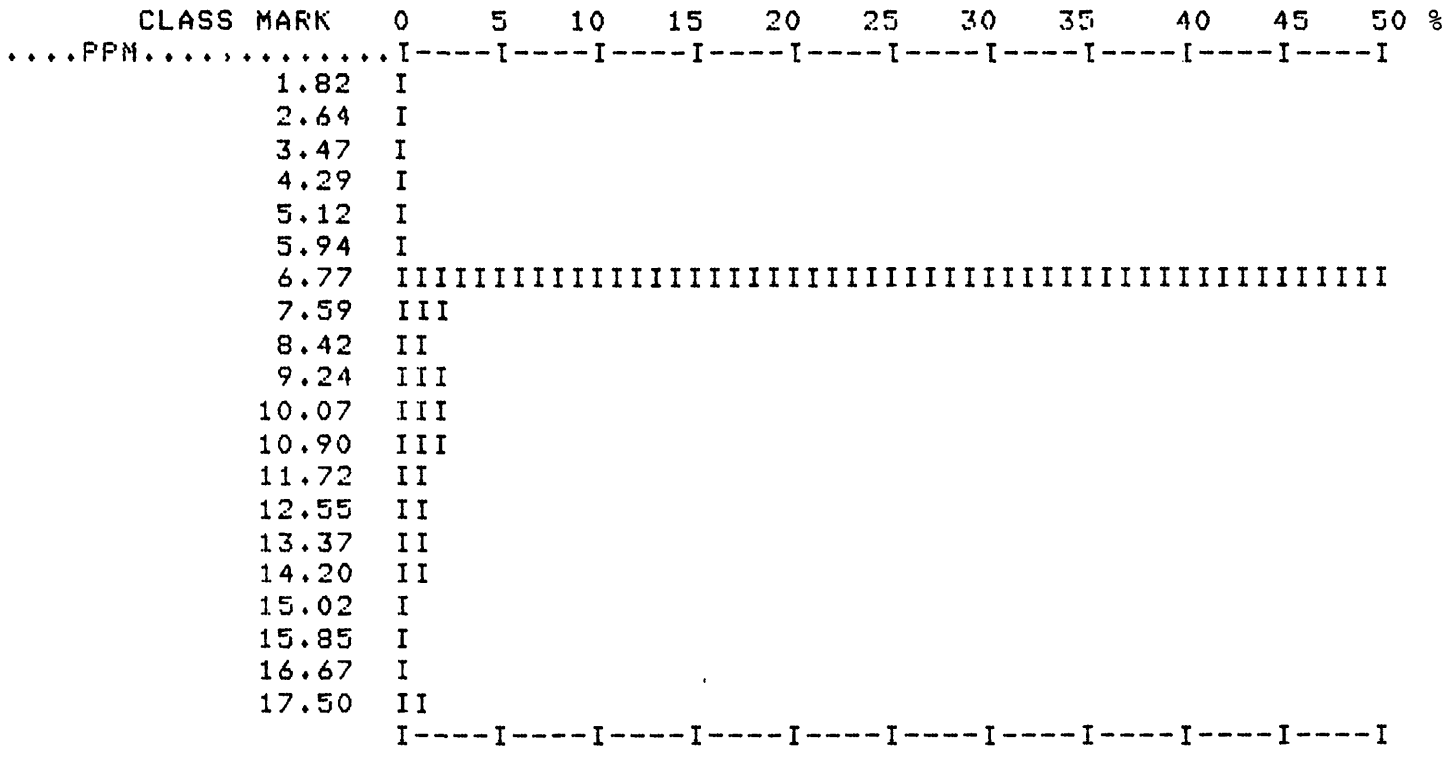


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR BE

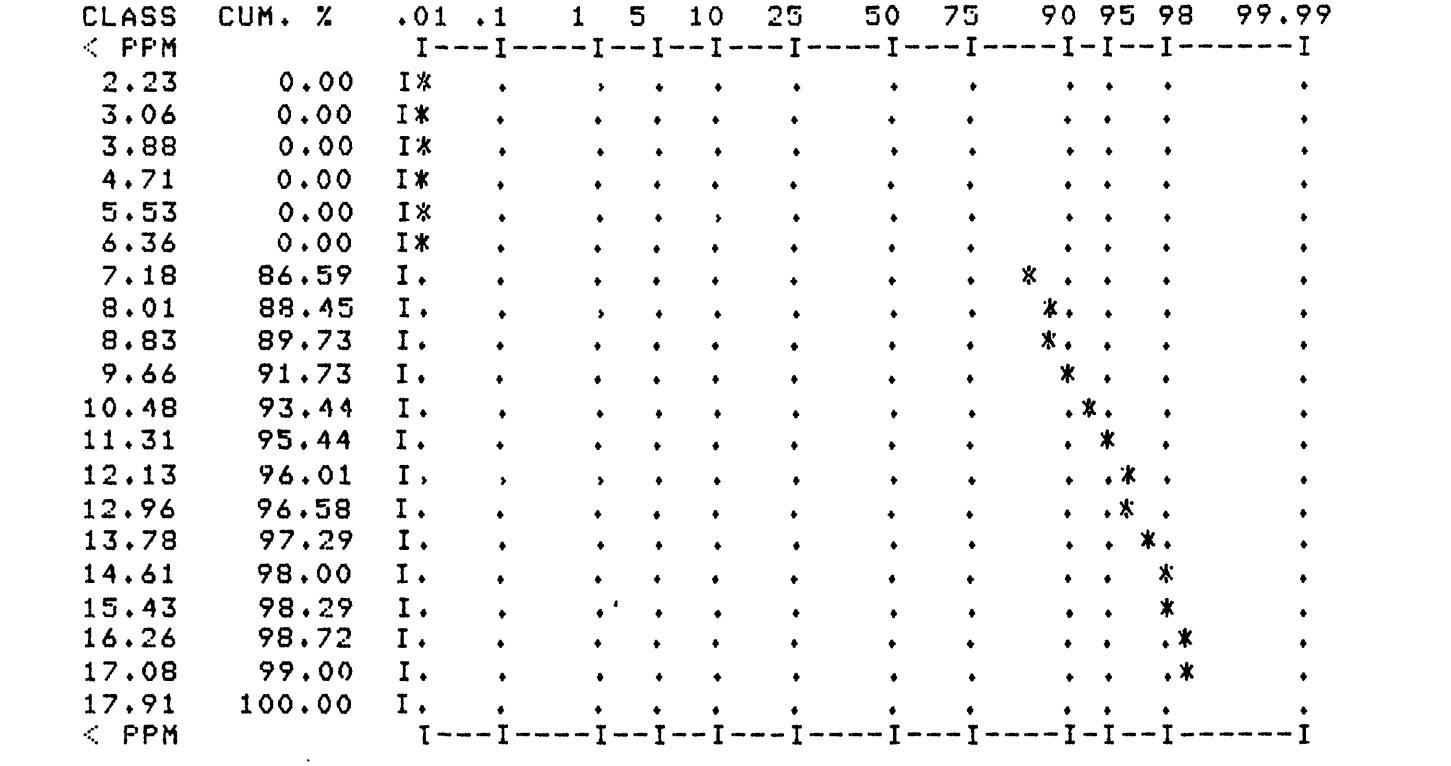


DATA ANALYSIS FOR CD SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR CD



PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR CD



DATA ANALYSIS FOR CR SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR CR

```
      CLASS MARK    0    5   10   15   20   25   30   35   40   45   50 %
....PPM.............I----I----I----I----I----I----I----I----I----I----I
          -170.86  I
          -133.12  I
           -95.38  I
           -57.65  I
           -19.91  I
            17.83  IIIIIIIIIIIIIIIIII
            55.56  IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
            93.30  IIIIIIIIIIIIIIIIII
           131.04  IIIIIIIIIIII
           168.77  IIIIIII
           206.51  IIII
           244.25  III
           281.98  III
           319.72  I
           357.45  I
           395.19  I
           432.93  I
           470.66  I
           508.40  I
           546.14  II
                   I----I----I----I----I----I----I----I----I----I----I
```

PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR CR

```
   CLASS  CUM. %    .01 .1   1  5  10  25   50  75   90 95 98  99.99
   < PPM             I---I----I--I--I---I----I---I----I-I--I------I
 -151.99      0.00  I*   .    .  .  .   .    .   .    . . .       .
 -114.25      0.00  I*   .    .  .  .   .    .   .    . . .       .
  -76.51      0.00  I*   .    .  .  .   .    .   .    . . .       .
  -38.78      0.00  I*   .    .  .  .   .    .   .    . . .       .
   -1.04      0.00  I*   .    .  .  .   .    .   .    . . .       .
   36.69     18.40  I.   .    .  .  .   *.   .   .    . . .       .
   74.43     55.35  I.   .    .  .  .   .    .*  .    . . .       .
  112.17     73.89  I.   .    .  .  .   .    .   *    . . .       .
  149.90     84.74  I.   .    .  .  .   .    .   .  * . . .       .
  187.64     91.01  I.   .    .  .  .   .    .   .    * . .       .
  225.38     94.44  I.   .    .  .  .   .    .   .    .*. .       .
  263.11     96.29  I.   .    .  .  .   .    .   .    . .*.       .
  300.85     98.00  I.   .    .  .  .   .    .   .    . . *       .
  338.59     98.43  I.   .    .  .  .   .    .   .    . . .*      .
  376.32     98.86  I.   .    .  .  .   .    .   .    . . .*      .
  414.06     99.00  I.   .    .  .  .   .    .   .    . . .*      .
  451.80     99.14  I.   .    .  .  .   .    .   .    . . .  *    .
  489.53     99.29  I.   .    .  .  .   .    .   .    . . .  *    .
  527.27     99.43  I.   .    .  .  .   .    .   .    . . .   *   .
  565.01    100.00  I.   .    .  .  .   .    .   .    . . .       .
   < PPM             I---I----I--I--I---I----I---I----I-I--I------I
```

DATA ANALYSIS FOR CO SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR CO

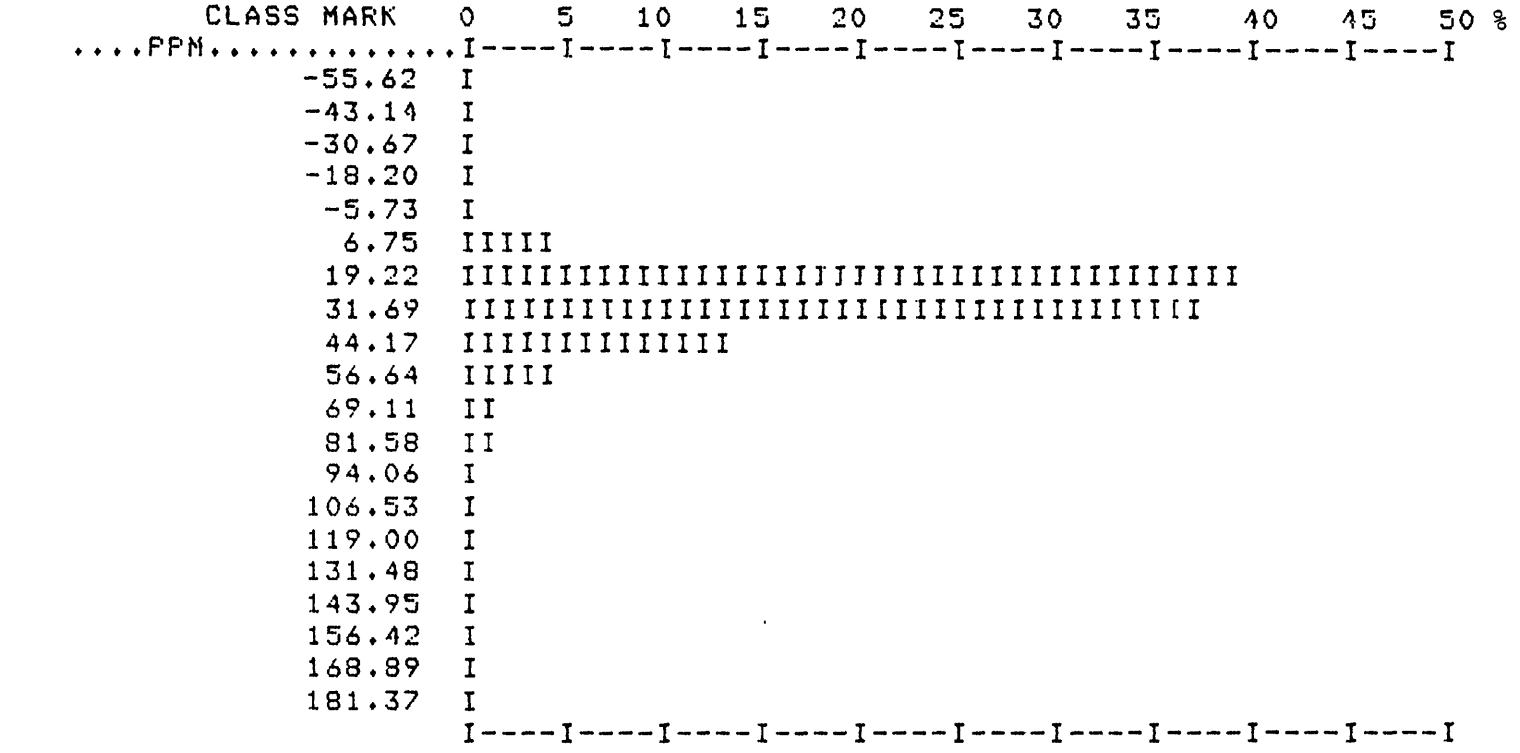
```
      CLASS MARK    0    5   10   15   20   25   30   35   40   45   50 %
....PPM.............I----I----I----I----I----I----I----I----I----I----I
            -9.17  I
            -3.38  I
             2.40  II
             8.18  IIII
            13.97  IIIIIIIIIIII
            19.75  IIIIIIIIIII
            25.53  IIIIIIIIIIIIIIIIIII
            31.32  IIIIIIIIIIIIIIIII
            37.10  IIIIIIIIIIII
            42.89  IIIIIIIIII
            48.67  IIIIIII
            54.45  IIII
            60.24  III
            66.02  II
            71.81  I
            77.59  II
            83.37  I
            89.16  I
            94.94  I
           100.73  I
                   I----I----I----I----I----I----I----I----I----I----I
```

PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR CO

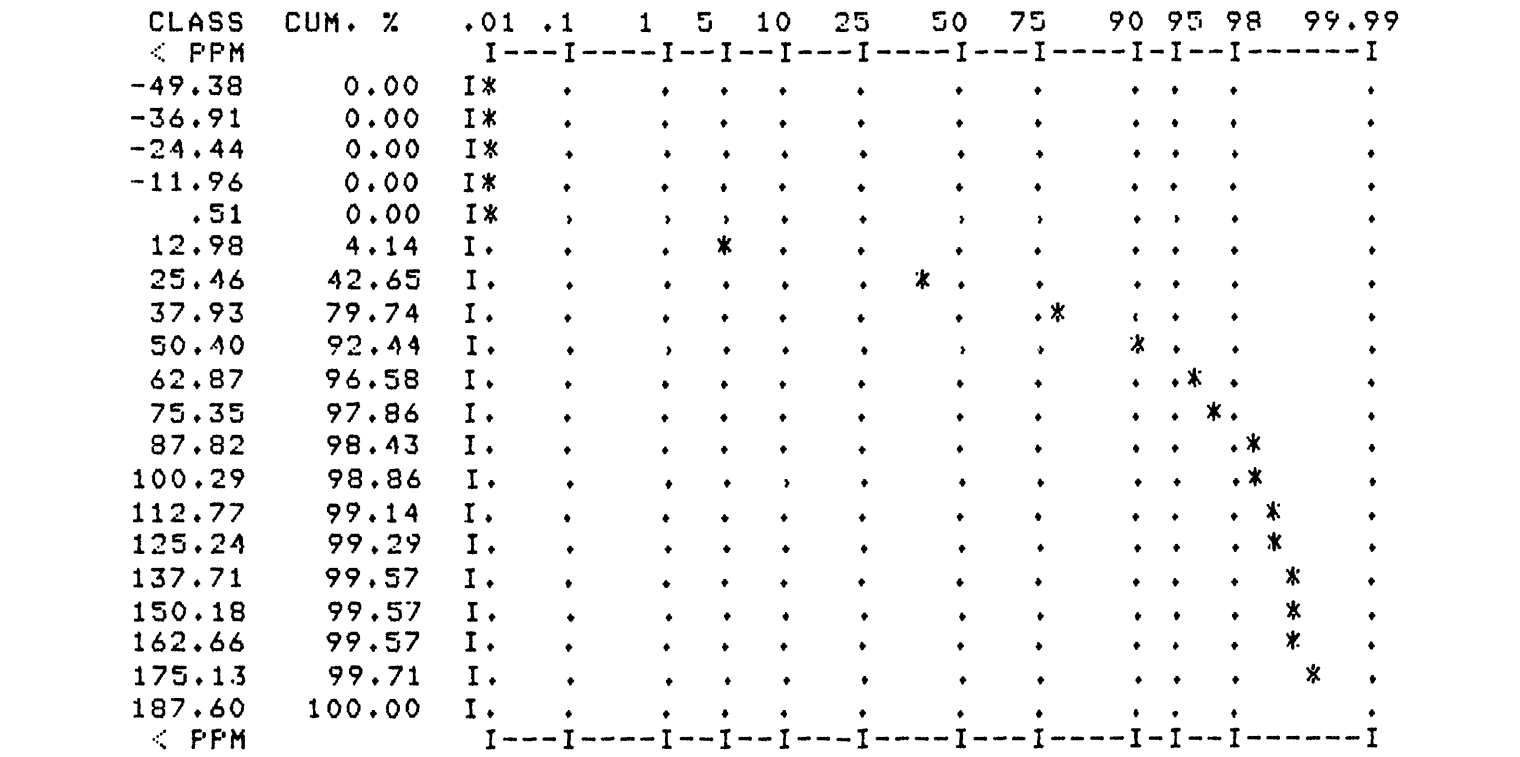
```
   CLASS  CUM. %    .01 .1   1  5  10  25   50  75   90 95 98  99.99
   < PPM             I---I----I--I--I---I----I---I----I-I--I------I
   -6.28      0.00  I*   .    .  .  .   .    .   .    . . .       .
    -.49      0.00  I*   .    .  .  .   .    .   .    . . .       .
    5.29      1.00  I.   .    *  .  .   .    .   .    . . .       .
   11.08      3.71  I.   .    .  *. .   .    .   .    . . .       .
   16.86     15.41  I.   .    .  .  .*  .    .   .    . . .       .
   22.64     26.68  I.   .    .  .  .   *    .   .    . . .       .
   28.43     46.50  I.   .    .  .  .   .    *.  .    . . .       .
   34.21     64.34  I.   .    .  .  .   .    .   *    . . .       .
   39.99     75.89  I.   .    .  .  .   .    .   .    * . .       .
   45.78     86.02  I.   .    .  .  .   .    .   .    . * .       .
   51.56     91.87  I.   .    .  .  .   .    .   .    . . .       .
   57.35     95.15  I.   .    .  .  .   .    .   .    . * .       .
   63.13     97.00  I.   .    .  .  .   .    .   .    . .* .      .
   68.91     98.15  I.   .    .  .  .   .    .   .    . . *       .
   74.70     98.57  I.   .    .  .  .   .    .   .    . . .*      .
   80.48     99.14  I.   .    .  .  .   .    .   .    . . .  *    .
   86.27     99.43  I.   .    .  .  .   .    .   .    . . .   *   .
   92.05     99.71  I.   .    .  .  .   .    .   .    . . .    *  .
   97.83     99.71  I.   .    .  .  .   .    .   .    . . .    *  .
  103.62    100.00  I.   .    .  .  .   .    .   .    . . .       .
   < PPM             I---I----I--I--I---I----I---I----I-I--I------I
```

DATA ANALYSIS FOR CU SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR CU

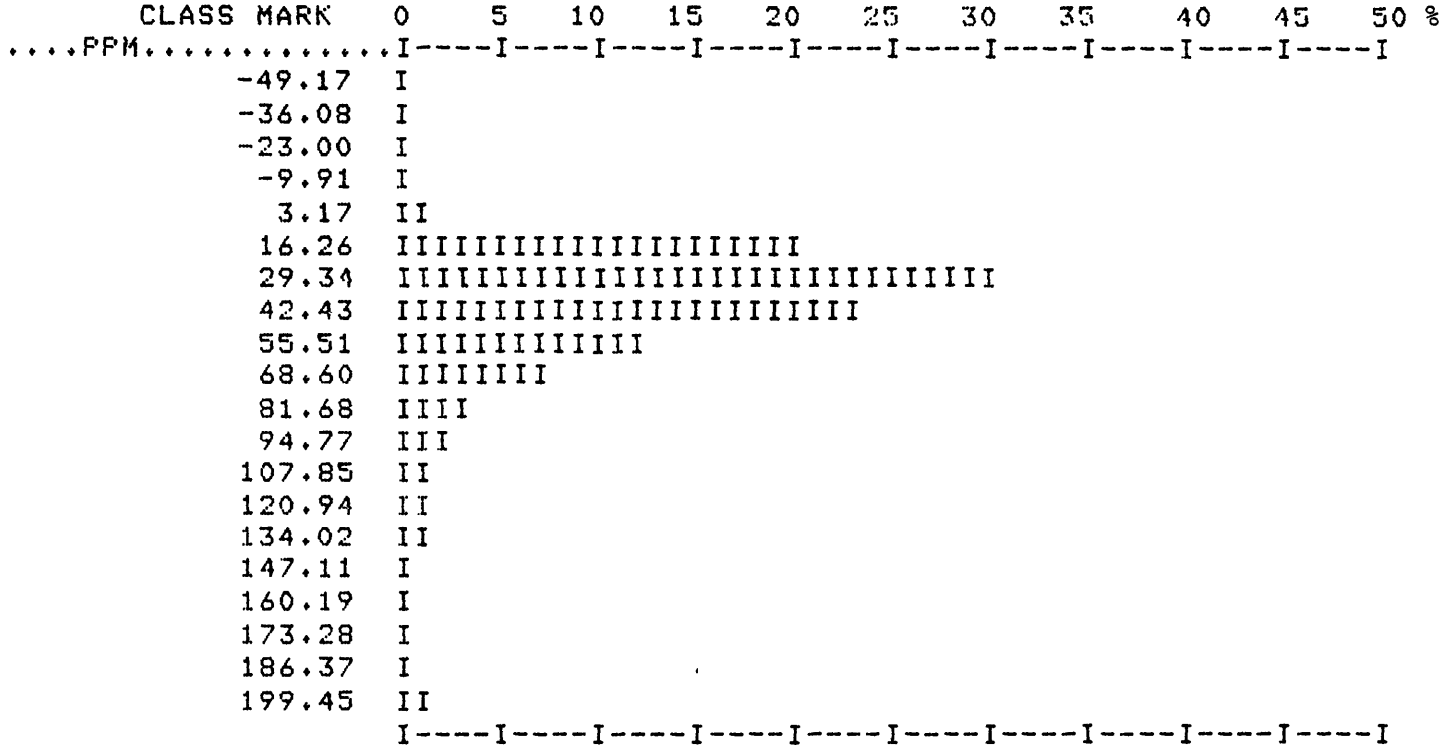


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR CU



DATA ANALYSIS FOR NI SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR NI

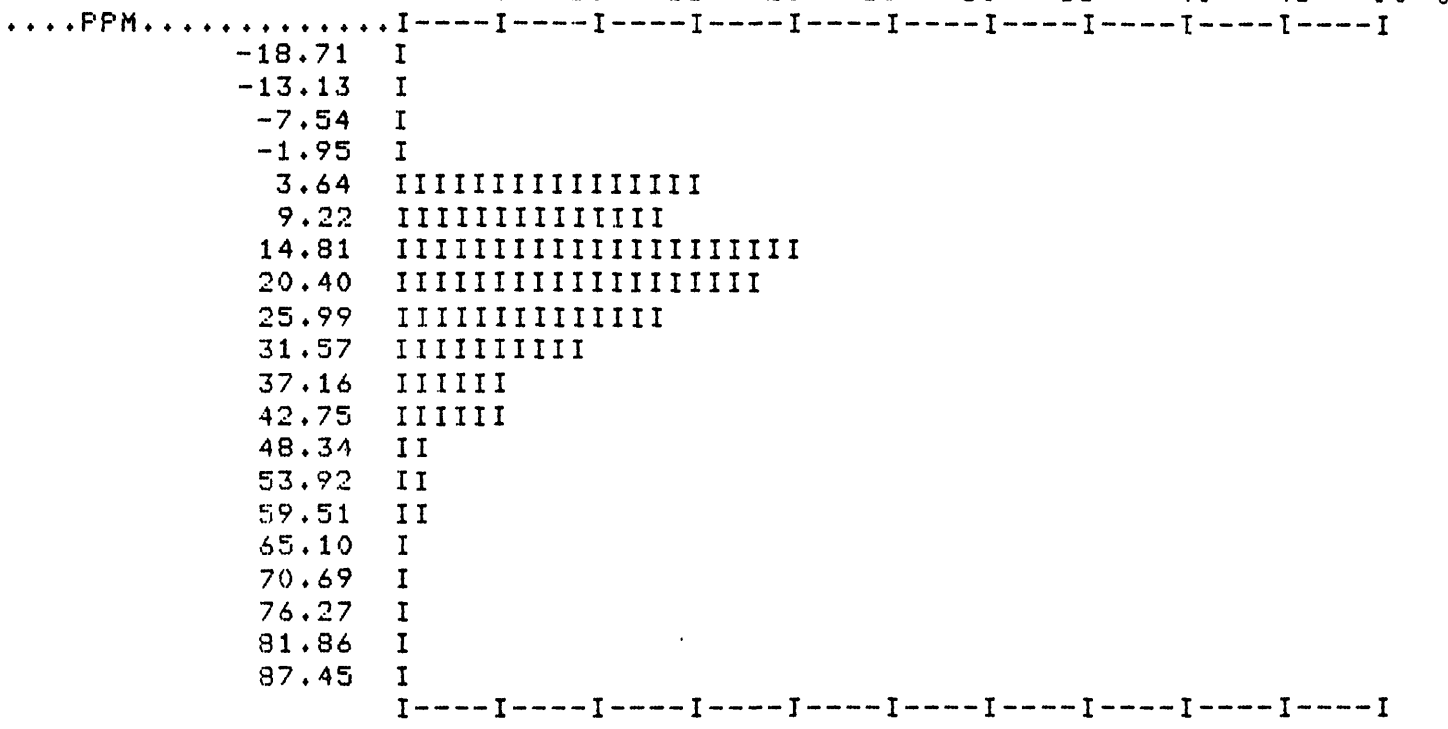


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR NI

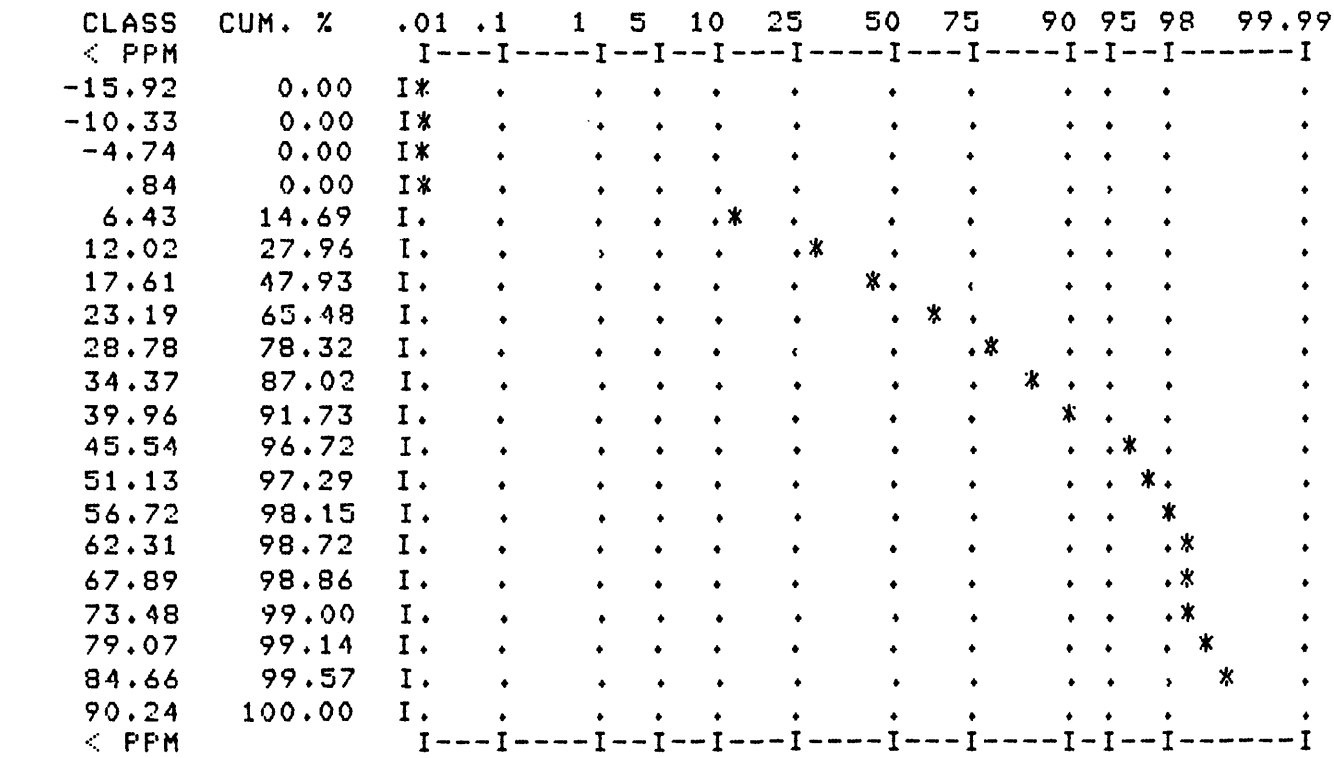
CLASS < PPM	CUM. %	.01 .1 1 5 10 25 50 75 90 95 98 99.99
-42.63	0.00	I* . . . .
-29.54	0.00	I* . . . .
-16.46	0.00	I* . . . .
-3.37	0.00	I* . . . .
9.71	.71	I. . *. . . . .
22.80	20.40	I. . . . . *. . . . . .
35.89	49.93	I. . . . . * . . . . .
48.97	72.90	I. . . . . * . . . .
62.06	84.74	I. . . . . * . . .
75.14	91.58	I. . . . . * . . .
88.23	95.01	I. . . . . * . .
101.31	96.86	I. . . . . *. .
114.40	97.57	I. . . . . *. .
127.48	98.15	I. . . . . * .
140.57	98.86	I. . . . . .* .
153.65	98.86	I. . . . . .* .
166.74	99.00	I. . . . . .* .
179.82	99.00	I. . . . . .* .
192.91	99.29	I. . . . . . * .
205.99	100.00	I. . . . . . .
< PPM		I---I----I--I--I---I----I---I----I-I--I------I

DATA ANALYSIS FOR PB SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR PB



PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR PB



DATA ANALYSIS FOR SR SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR SR

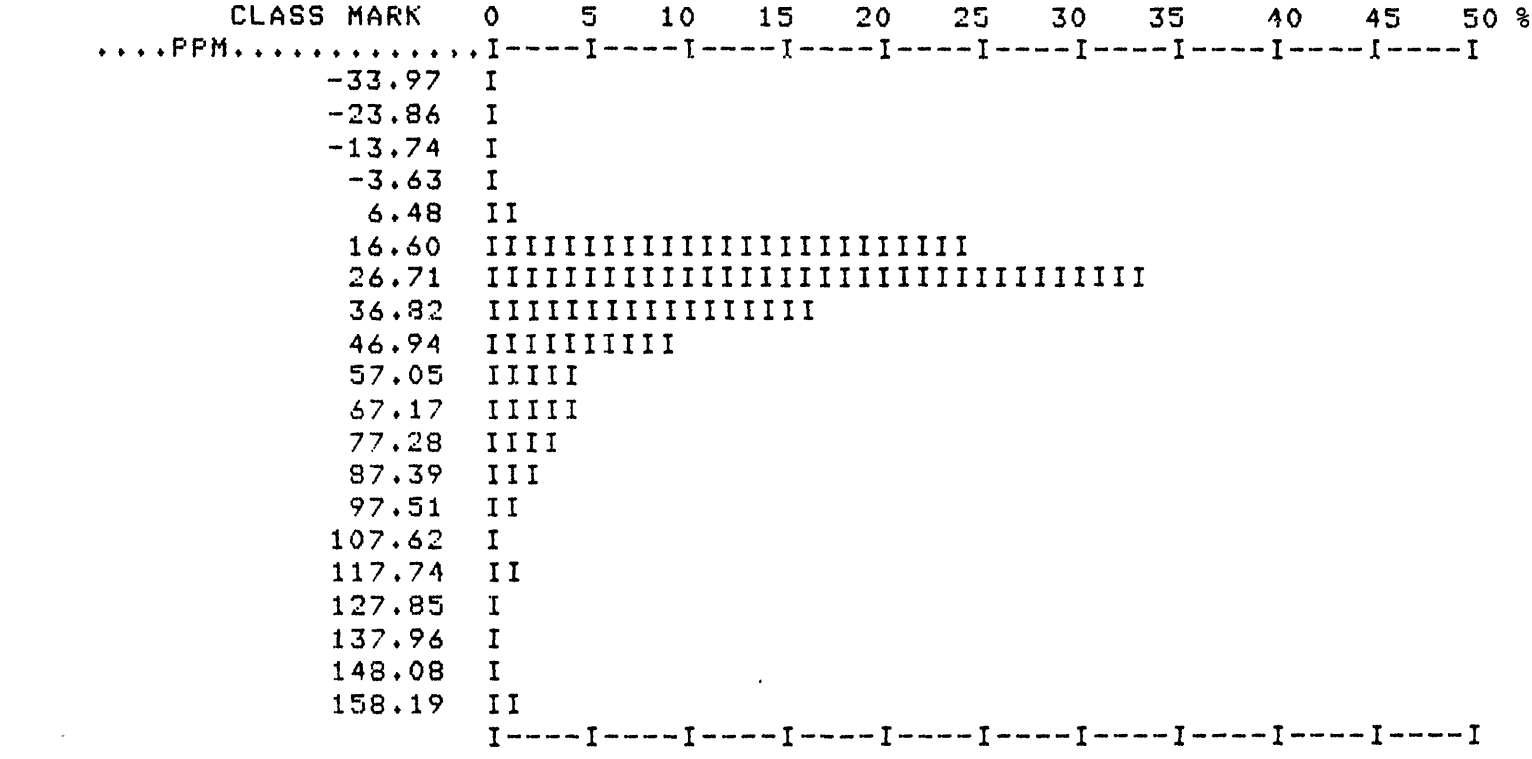
```
      CLASS MARK    0    5   10   15   20   25   30   35   40   45   50 %
....PPM.....I----I----I----I----I----I----I----I----I----I----I----I
          -26.83  I
           12.41  I
           51.65  I
           90.89  III
          130.13  IIIIIIIII
          169.37  IIIIIIIIIIIIII
          208.60  IIIIIIIIIIIIIIIIIIIII
          247.84  IIIIIIIIIIIIIIIIIII
          287.08  IIIIIIIIIIIII
          326.32  IIIIIIIII
          365.56  IIIII
          404.80  III
          444.03  II
          483.27  II
          522.51  II
          561.75  I
          600.99  I
          640.23  I
          679.46  I
          718.70  II
                  I----I----I----I----I----I----I----I----I----I----I----I
```

PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR SR

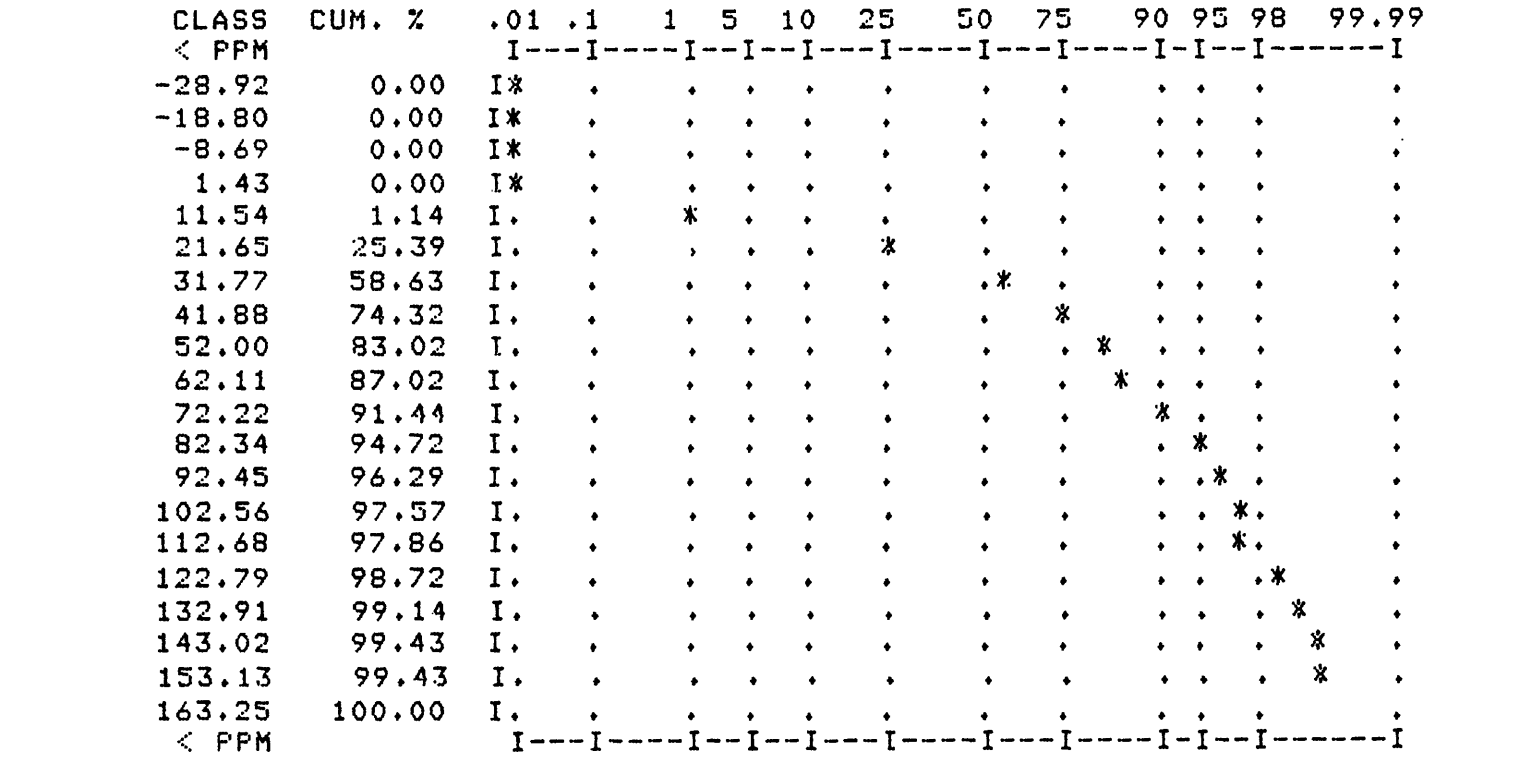
```
  CLASS  CUM. %    .01 .1   1  5  10  25   50  75   90 95 98  99.99
  < PPM             I---I----I--I--I---I----I---I----I-I--I------I
  -7.21      0.00  I*   .    .  .  .   .    .   .    . .  .      .
  32.03      0.00  I*   .    .  .  .   .    .   .    . .  .      .
  71.27       .43  I.   .  * .  .  .   .    .   .    . .  .      .
 110.51      2.28  I.   .    .* .  .   .    .   .    . .  .      .
 149.75     10.56  I.   .    .  .  *   .    .   .    . .  .      .
 188.99     24.82  I.   .    .  .  .   *    .   .    . .  .      .
 228.22     47.08  I.   .    .  .  .   .   *.   .    . .  .      .
 267.46     67.48  I.   .    .  .  .   .    .  *.    . .  .      .
 306.70     81.31  I.   .    .  .  .   .    .   . *  . .  .      .
 345.94     89.16  I.   .    .  .  .   .    .   .   *. .  .      .
 385.18     93.58  I.   .    .  .  .   .    .   .    .*.  .      .
 424.41     95.86  I.   .    .  .  .   .    .   .    . *  .      .
 463.65     97.00  I.   .    .  .  .   .    .   .    . .* .      .
 502.89     97.86  I.   .    .  .  .   .    .   .    . . *.      .
 542.13     98.57  I.   .    .  .  .   .    .   .    . .  .*     .
 581.37     98.72  I.   .    .  .  .   .    .   .    . .  .*     .
 620.61     98.86  I.   .    .  .  .   .    .   .    . .  .*     .
 659.84     98.86  I.   .    .  .  .   .    .   .    . .  .*     .
 699.08     99.14  I.   .    .  .  .   .    .   .    . .  . *    .
 738.32    100.00  I.   .    .  .  .   .    .   .    . .  .      .
  < PPM             I---I----I--I--I---I----I---I----I-I--I------I
```

DATA ANALYSIS FOR TH SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR TH



PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR TH



DATA ANALYSIS FOR V SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR V

```
      CLASS MARK    0    5   10   15   20   25   30   35   40   45   50 %
....PPM.............I----I----I----I----I----I----I----I----I----I----I
          -112.34  I
           -73.28  I
           -34.22  I
             4.84  I
            43.90  IIIIIII
            82.97  IIIIIIIIIIIIIIIIIIIII
           122.03  IIIIIIIIIIIIIIIIIIIIIII
           161.09  IIIIIIIIIIIIIIIIII
           200.15  IIIIIIIIIII
           239.21  IIIIIIII
           278.27  IIIII
           317.33  III
           356.39  III
           395.45  II
           434.51  I
           473.58  II
           512.64  I
           551.70  I
           590.76  I
           629.82  II
                   I----I----I----I----I----I----I----I----I----I----I
```

PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR V

```
  CLASS  CUM. %    .01 .1   1  5  10  25   50  75   90 95 98  99.99
  < PPM             I---I----I--I--I---I----I---I----I-I--I------I
 -92.81     0.00   I*   .    .  .  .   .    .   .    . . .   .     .
 -53.75     0.00   I*   .    .  .  .   .    .   .    . . .   .     .
 -14.69     0.00   I*   .    .  .  .   .    .   .    . . .   .     .
  24.37     0.00   I*   .    .  .  .   .    .   .    . . .   .     .
  63.43     5.85   I.   .    .  .* .   .    .   .    . . .   .     .
 102.50    27.82   I.   .    .  .  .   .*   .   .    . . .   .     .
 141.56    51.36   I.   .    .  .  .   .    *   .    . . .   .     .
 180.62    70.61   I.   .    .  .  .   .    .   *.   . . .   .     .
 219.68    82.03   I.   .    .  .  .   .    .   . *  . . .   .     .
 258.74    88.59   I.   .    .  .  .   .    .   .   *. . .   .     .
 297.80    92.30   I.   .    .  .  .   .    .   .    * . .   .     .
 336.86    94.58   I.   .    .  .  .   .    .   .    . *   .     .
 375.92    96.72   I.   .    .  .  .   .    .   .    . .*  .     .
 414.98    97.72   I.   .    .  .  .   .    .   .    . . *.     .
 454.04    98.15   I.   .    .  .  .   .    .   .    . .  *     .
 493.11    98.72   I.   .    .  .  .   .    .   .    . .  .*    .
 532.17    99.00   I.   .    .  .  .   .    .   .    . .  .*    .
 571.23    99.00   I.   .    .  .  .   .    .   .    . .  .*    .
 610.29    99.00   I.   .    .  .  .   .    .   .    . .  .*    .
 649.35   100.00   I.   .    .  .  .   .    .   .    . .  .     .
  < PPM             I---I----I--I--I---I----I---I----I-I--I------I
```

DATA ANALYSIS FOR ZN SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR ZN

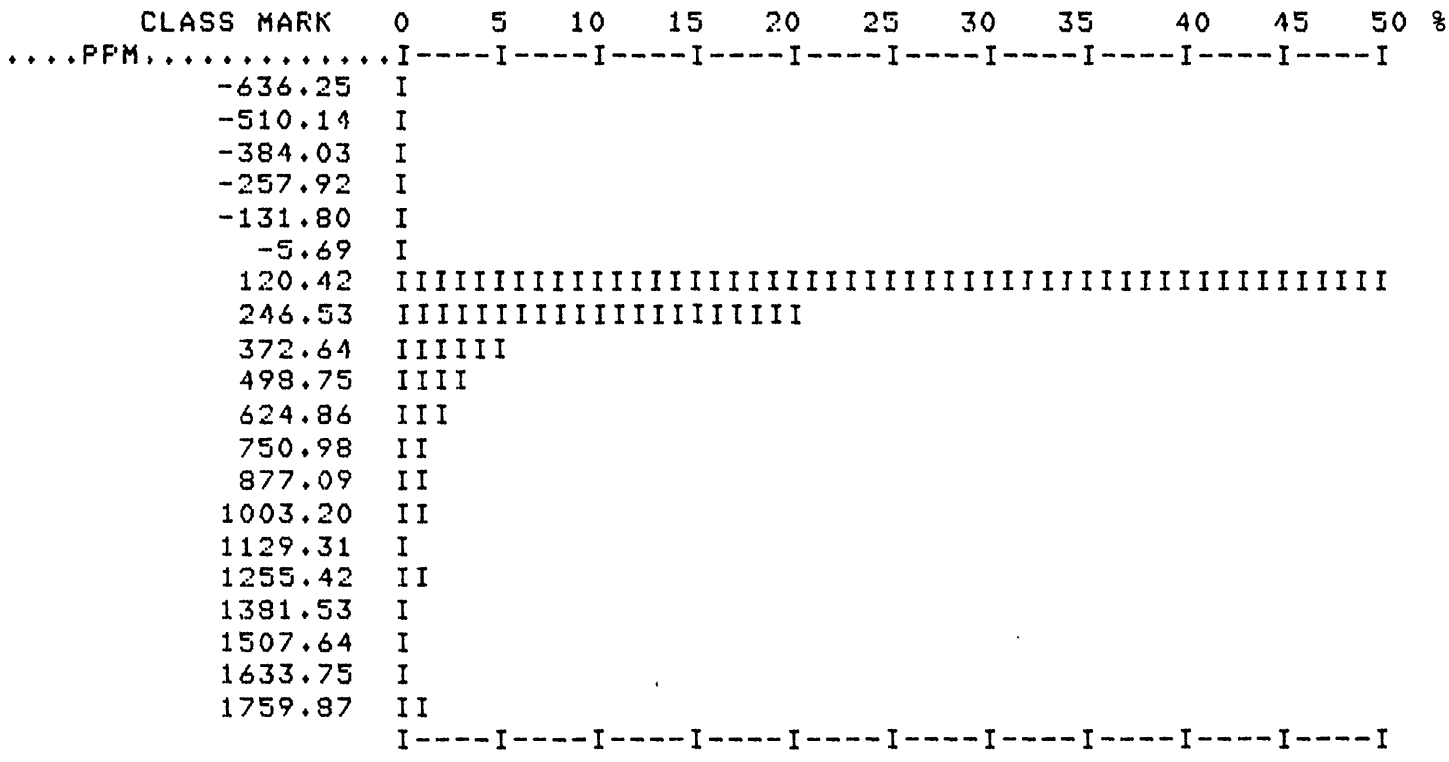
```
      CLASS MARK    0    5   10   15   20   25   30   35   40   45   50 %
....PPM.............I----I----I----I----I----I----I----I----I----I----I
            24.25  I
            40.15  I
            56.04  II
            71.94  IIII
            87.84  IIIIIIIII
           103.74  IIIIIIIIIIIII
           119.63  IIIIIIIIIIIIIIIII
           135.53  IIIIIIIIIIIIIIIIII
           151.43  IIIIIIIIIIIIIII
           167.32  IIIIIIIII
           183.22  IIIIII
           199.12  IIII
           215.02  II
           230.91  II
           246.81  II
           262.71  I
           278.60  I
           294.50  I
           310.40  I
           326.30  I
                   I----I----I----I----I----I----I----I----I----I----I
```

PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR ZN

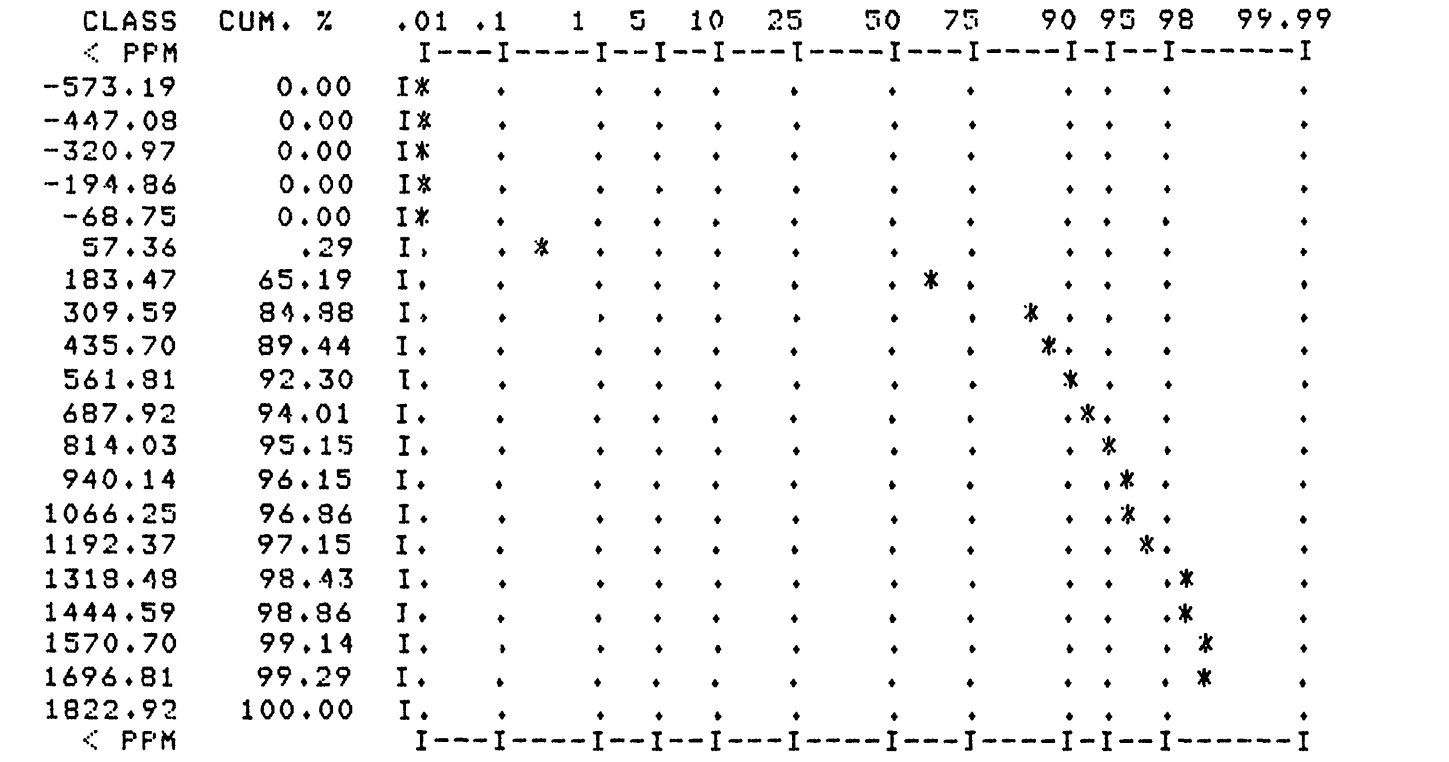
```
  CLASS  CUM. %    .01 .1   1  5  10  25   50  75   90 95 98  99.99
  < PPM             I---I----I--I--I---I----I---I----I-I--I------I
  32.20      .29   I.   . *  .  .  .   .    .   .    . . .  .      .
  48.10      .29   I.   . *  .  .  .   .    .   .    . . .  .      .
  63.99     1.43   I.   .    .* .  .   .    .   .    . . .  .      .
  79.89     4.56   I.   .    .  *  .   .    .   .    . . .  .      .
  95.79    12.55   I.   .    .  .  .*  .    .   .    . . .  .      .
 111.68    25.96   I.   .    .  .  .   *    .   .    . . .  .      .
 127.58    43.94   I.   .    .  .  .   .    *.  .    . . .  .      .
 143.48    62.77   I.   .    .  .  .   .    .   *.   . . .  .      .
 159.38    78.74   I.   .    .  .  .   .    .   .*   . . .  .      .
 175.27    87.73   I.   .    .  .  .   .    .   .    *. .  .      .
 191.17    93.15   I.   .    .  .  .   .    .   .    .*.  .      .
 207.07    96.43   I.   .    .  .  .   .    .   .    . .* .      .
 222.96    97.29   I.   .    .  .  .   .    .   .    . . *.      .
 238.86    98.43   I.   .    .  .  .   .    .   .    . .  .*     .
 254.76    99.00   I.   .    .  .  .   .    .   .    . .  .*     .
 270.66    99.43   I.   .    .  .  .   .    .   .    . .  .  *   .
 286.55    99.71   I.   .    .  .  .   .    .   .    . .  .   *  .
 302.45    99.86   I.   .    .  .  .   .    .   .    . .  .     *.
 318.35    99.86   I.   .    .  .  .   .    .   .    . .  .     *.
 334.24   100.00   I.   .    .  .  .   .    .   .    . .  .      .
  < PPM             I---I----I--I--I---I----I---I----I-I--I------I
```

DATA ANALYSIS FOR ZR SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR ZR

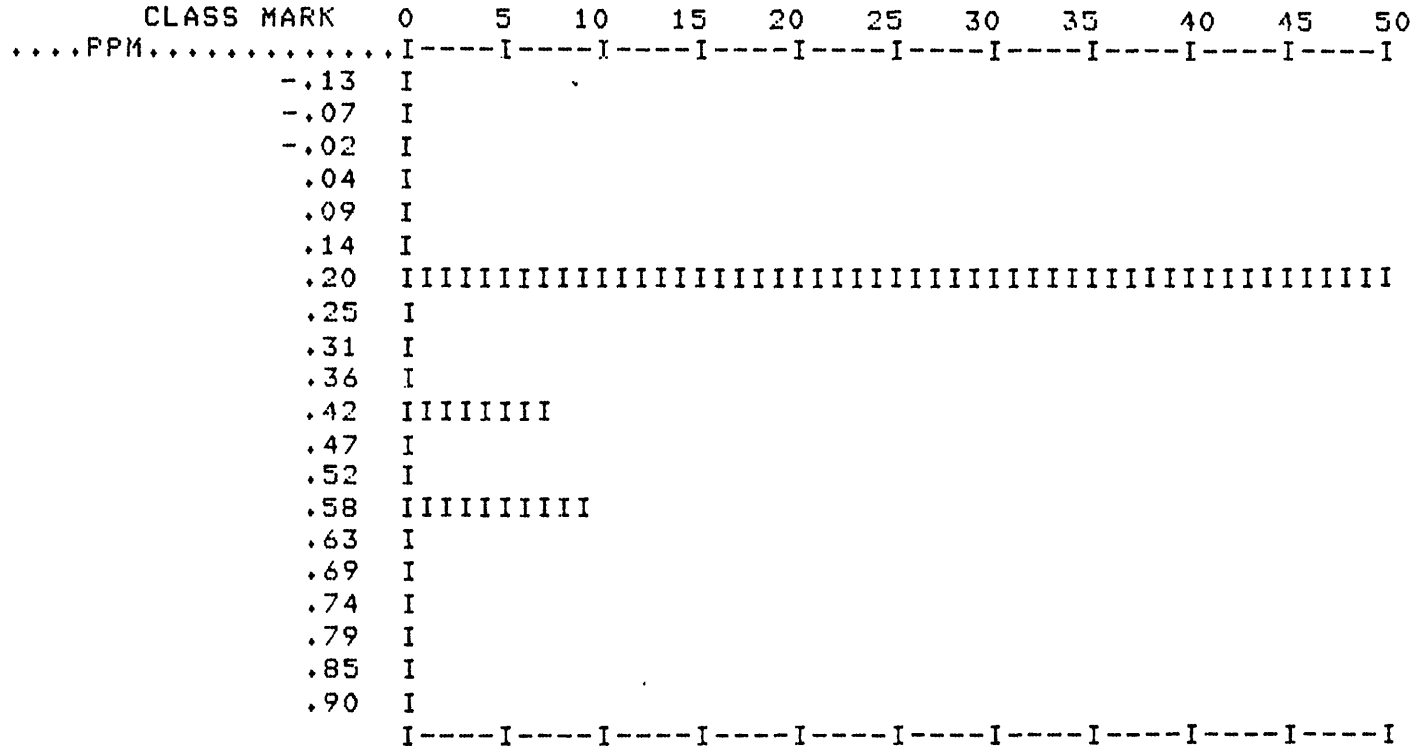


PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR ZR

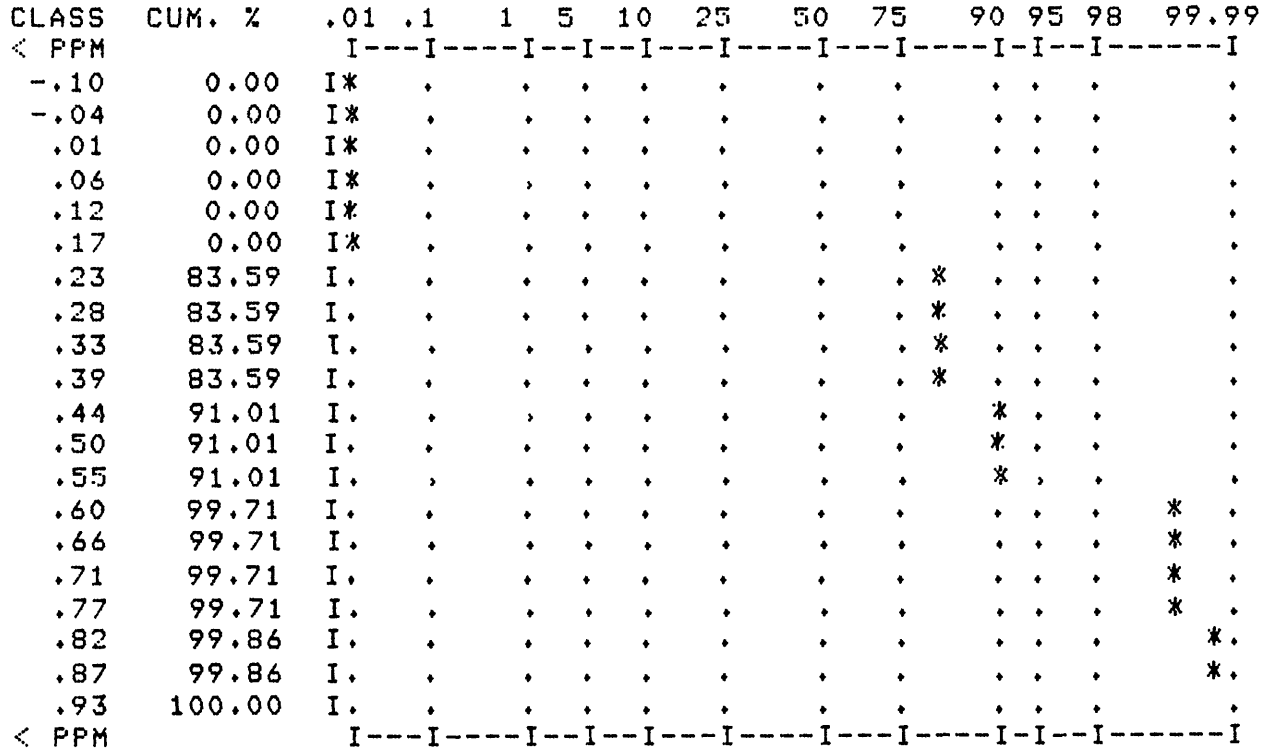


DATA ANALYSIS FOR AG SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR AG



PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR AG



DATA ANALYSIS FOR MO SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR MO

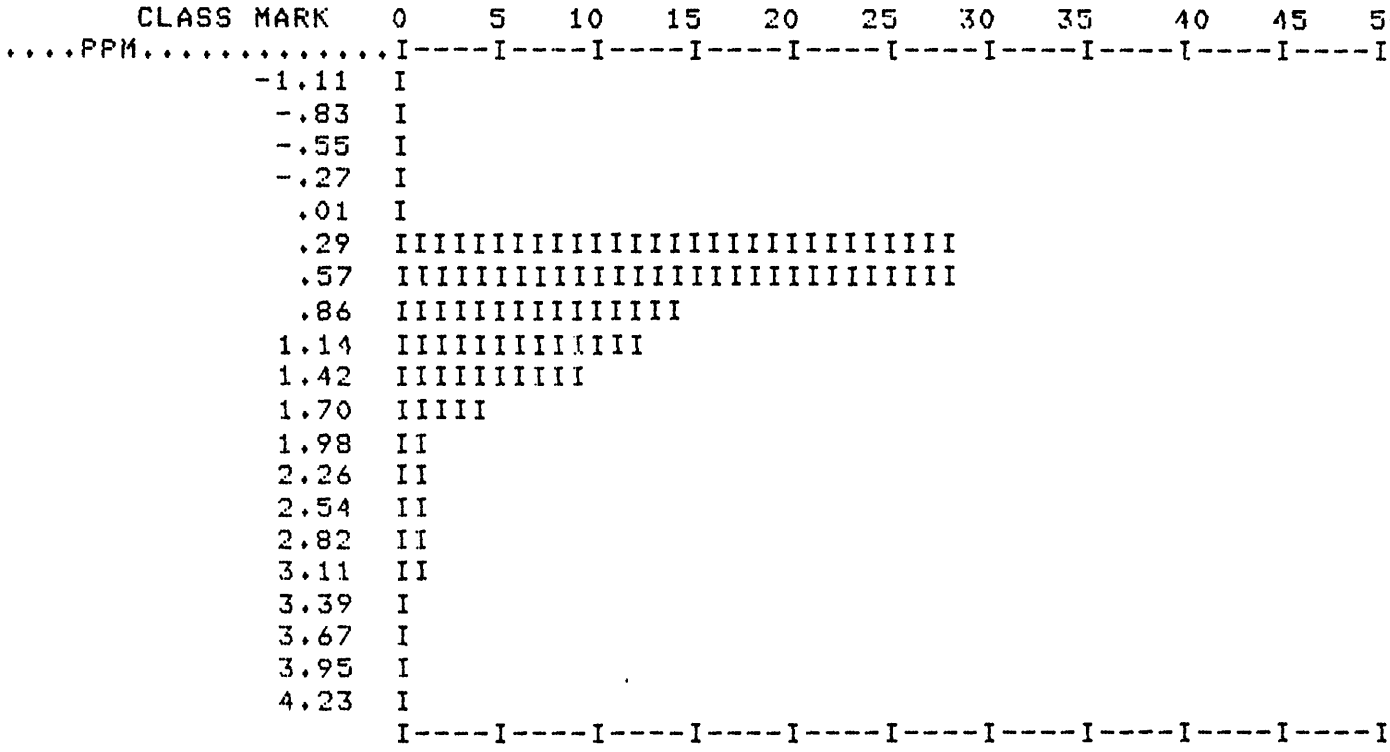
```
      CLASS MARK    0    5   10   15   20   25   30   35   40   45   50 %
....PPM.............I----I----I----I----I----I----I----I----I----I----I
              .54  I
             1.11  I
             1.69  I
             2.26  II
             2.84  IIIIIIIIIIII
             3.41  I
             3.99  IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
             4.56  I
             5.14  IIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
             5.71  I
             6.28  IIIIIIIII
             6.86  III
             7.43  I
             8.01  II
             8.58  I
             9.16  I
             9.73  I
            10.31  I
            10.88  I
            11.46  II
                   I----I----I----I----I----I----I----I----I----I----I----I
```

PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR MO

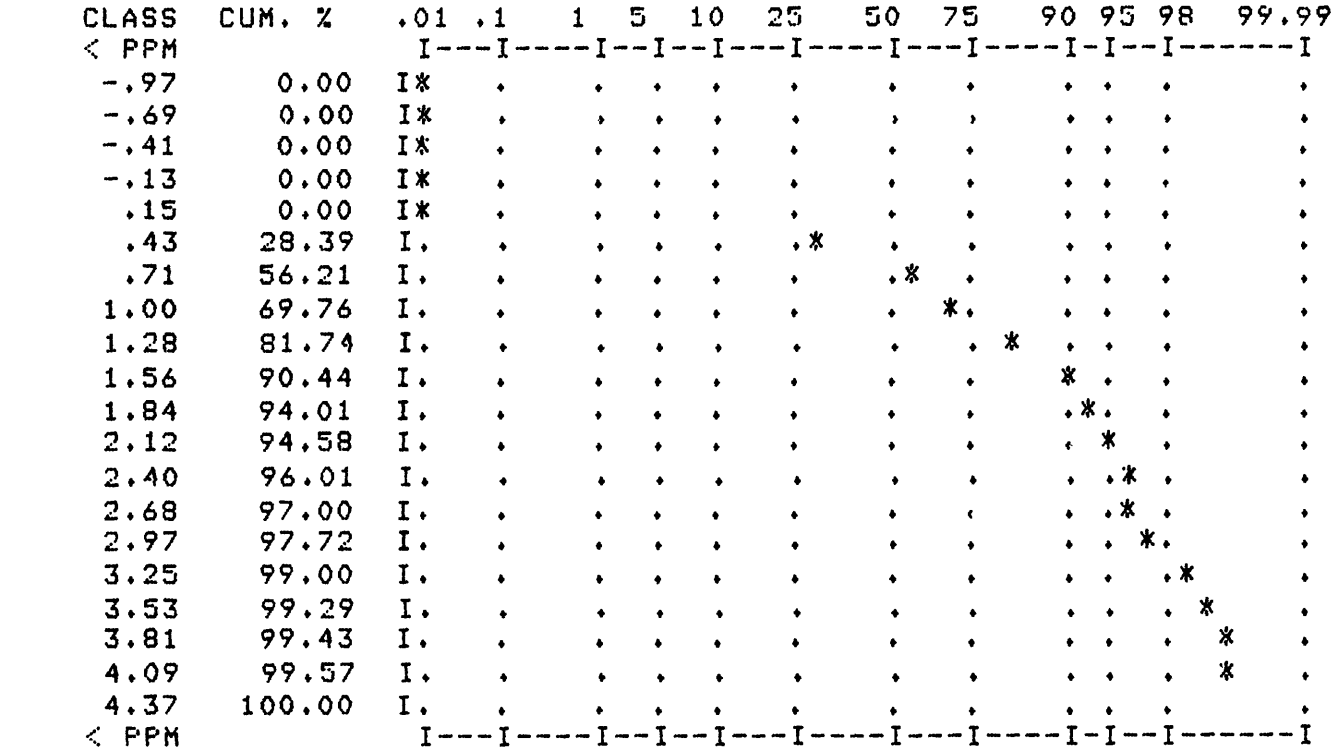
```
   CLASS  CUM. %    .01 .1   1  5  10  25   50  75   90 95 98  99.99
   < PPM             I---I----I--I--I---I----I---I----I-I--I------I
     .83      .14   I.   *    .  .  .   .    .   .    . .  .       .
    1.40      .14   I.   *    .  .  .   .    .   .    . .  .       .
    1.97      .14   I.   *    .  .  .   .    .   .    . .  .       .
    2.55     1.14   I.   .    *  .  .   .    .   .    . .  .       .
    3.12    13.55   I.   .    .  .  .*  .    .   .    . .  .       .
    3.70    13.55   I.   .    .  .  .*  .    .   .    . .  .       .
    4.27    55.21   I.   .    .  .  .   .    .*  .    . .  .       .
    4.85    55.21   I.   .    .  .  .   .    .*  .    . .  .       .
    5.42    87.73   I.   .    .  .  .   .    .   .   *. .  .       .
    6.00    87.73   I.   .    .  .  .   .    .   .   *. .  .       .
    6.57    95.44   I.   .    .  .  .   .    .   .    . *  .       .
    7.15    97.43   I.   .    .  .  .   .    .   .    . . *.       .
    7.72    97.43   I.   .    .  .  .   .    .   .    . . *.       .
    8.30    98.43   I.   .    .  .  .   .    .   .    . .  .*      .
    8.87    98.43   I.   .    .  .  .   .    .   .    . .  .*      .
    9.45    98.57   I.   .    .  .  .   .    .   .    . .  .*      .
   10.02    99.00   I.   .    .  .  .   .    .   .    . .  .*      .
   10.59    99.00   I.   .    .  .  .   .    .   .    . .  .*      .
   11.17    99.00   I.   .    .  .  .   .    .   .    . .  .*      .
   11.74   100.00   I.   .    .  .  .   .    .   .    . .  .       .
   < PPM             I---I----I--I--I---I----I---I----I-I--I------I
```

DATA ANALYSIS FOR U SAMPLE TYPE= STREAM SEDIMENT

FREQUENCY DISTRIBUTION HISTOGRAM FOR U



PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR U



Standard Statistics

Data

Log (10) Transformed

Table 4

BARRINGER RESOURCES INC. STANDARD STATISTICAL PACKAGE 12/JAN/81

BUREAU OF LAND MANAGEMENT
ARKANSAS CANYON PLANNING UNIT
CANON CITY, COLORADO 81212

SAMPLE TYPE= STREAM SEDIMENT PROJECT CODE= YA-553-CTO-100

NOTE: ALL DATA LOG(10) TRANSFORMED

VARIABLE	GEOM. MEAN	STD DEV	MIN	MAX	RANGE	NO.SAMPLES WITH RESULTS
AL203	.128E+02	.568E-01	.423E+01	.158E+02	.116E+02	701
CAO	.387E+01	.181E+00	.830E+00	.291E+02	.283E+02	701
FE203	.985E+01	.197E+00	.189E+01	.539E+02	.520E+02	701
MGO	.257E+01	.183E+00	.480E+00	.125E+02	.120E+02	701
TIO2	.120E+01	.199E+00	.220E+00	.967E+01	.945E+01	701
MNO	.166E+00	.158E+00	.300E-01	.198E+01	.195E+01	701
NA2O	.256E+01	.143E+00	.500E-01	.544E+01	.539E+01	701
K2O	.236E+01	.102E+00	.760E+00	.435E+01	.359E+01	701
P205	.261E+00	.243E+00	.300E-01	.177E+01	.174E+01	701
SIO2	.135E+01	.285E+00	.700E-01	.589E+01	.582E+01	701
BA	.908E+03	.187E+00	.223E+03	.272E+04	.250E+04	701
BE	.249E+01	.133E+00	.660E+00	.998E+01	.932E+01	701
CD	.743E+01	.802E-01	.700E+01	.275E+02	.205E+02	701
CR	.692E+02	.334E+00	.800E+00	.123E+04	.123E+04	701
CO	.279E+02	.221E+00	.250E+01	.101E+03	.981E+02	701
CU	.276E+02	.205E+00	.340E+01	.655E+03	.651E+03	701
NI	.357E+02	.245E+00	.460E+01	.437E+03	.432E+03	701
PB	.166E+02	.288E+00	.500E+01	.145E+03	.140E+03	701
SR	.232E+03	.157E+00	.345E+02	.872E+03	.838E+03	701
TH	.313E+02	.233E+00	.820E+01	.232E+03	.224E+03	701
V	.140E+03	.226E+00	.278E+02	.776E+03	.748E+03	701
ZN	.130E+03	.128E+00	.239E+02	.495E+03	.471E+03	701
ZR	.183E+03	.281E+00	.153E+02	.438E+04	.436E+04	701
AG	.233E+00	.155E+00	.200E+00	.180E+01	.160E+01	701
MO	.437E+01	.149E+00	.100E-01	.190E+02	.190E+02	701
U	.668E+00	.302E+00	.200E+00	.720E+01	.700E+01	701

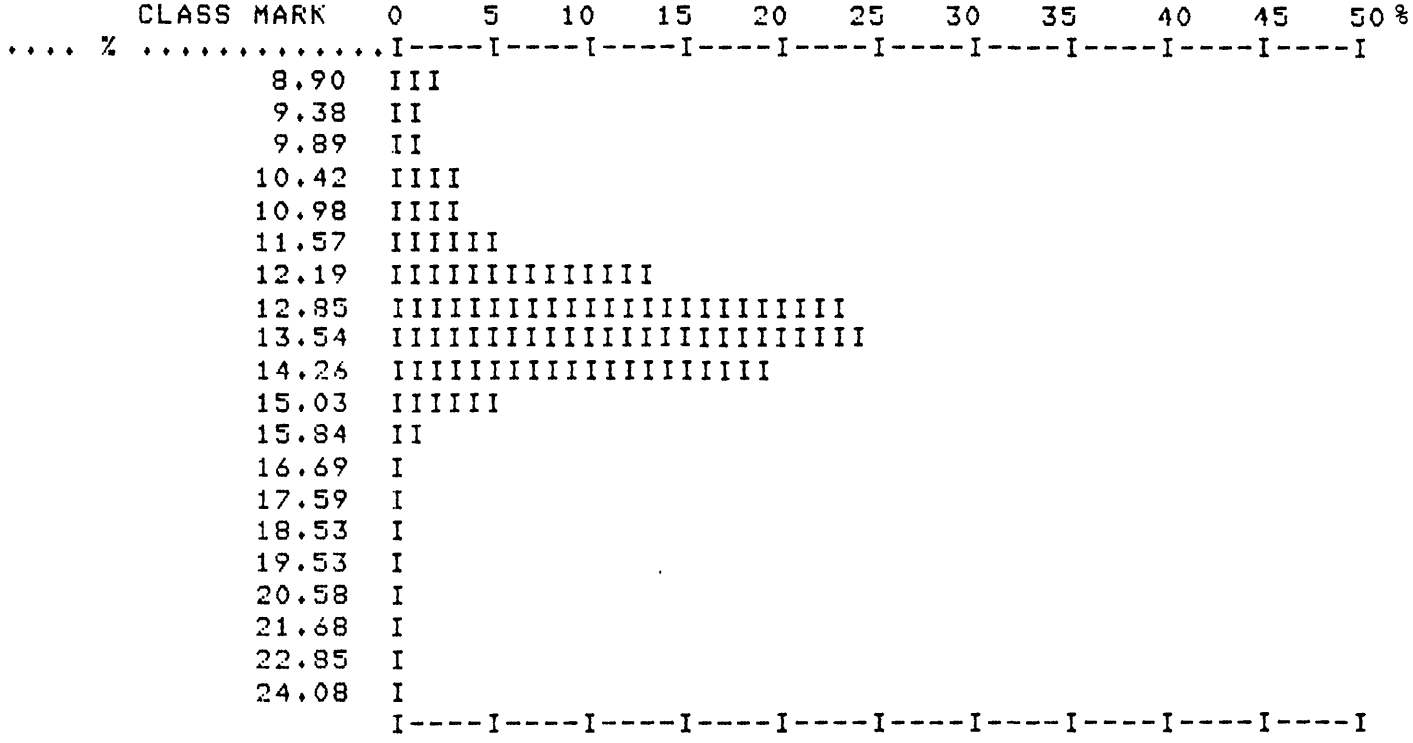
CORRELATION MATRIX
SAMPLE SIZE = 701

	AL2O3	CAO	FE2O3	MGO	TIO2	MNO	NA2O	K2O	P2O5	SIO2	BA	BE	CD	CR	CO	CU	NI	PB	SR
AL2O3	1.000																		
CAO	-.143	1.000																	
FE2O3	-.255	.336	1.000																
MGO	.034	.663	.439	1.000															
TIO2	-.195	.371	.886	.396	1.000														
MNO	-.044	.352	.782	.444	.745	1.000													
NA2O	.698	.041	-.100	-.002	-.059	.133	1.000												
K2O	.604	-.496	-.458	-.474	-.401	-.339	.435	1.000											
P2O5	-.086	.494	.606	.424	.690	.495	.094	-.202	1.000										
SIO2	.293	-.031	-.083	.123	-.017	.002	.199	.078	.002	1.000									
BA	.283	-.104	-.137	-.110	-.002	-.104	.181	.303	.050	.604	1.000								
BE	.373	-.258	.009	-.284	-.005	.206	.513	.475	.022	.122	.206	1.000							
CD	.054	.113	.077	.156	.054	.089	.070	-.061	.117	-.056	-.049	.051	1.000						
CR	-.119	.442	.505	.763	.367	.320	-.137	-.459	.353	.038	-.131	-.334	.111	1.000					
CO	-.274	.421	.657	.495	.626	.515	-.175	-.512	.467	.089	.080	-.169	.039	.478	1.000				
CU	.154	.411	.214	.654	.181	.233	.022	-.187	.321	.193	-.025	-.206	.073	.472	.287	1.000			
NI	-.107	.562	.533	.841	.441	.372	-.136	-.466	.471	.068	-.096	-.321	.086	.908	.567	.567	1.000		
PB	.136	-.257	-.175	-.180	-.161	-.129	-.013	.255	-.086	.301	.246	.058	-.055	-.039	-.054	.128	-.074	1.000	
SR	.102	.620	.102	.376	.213	-.006	.185	-.107	.482	.007	.095	-.289	.008	.335	.177	.301	.427	-.094	1.000
TH	-.122	-.288	.233	-.314	.173	.187	-.004	.129	.138	-.028	.072	.374	-.065	-.097	.198	-.225	-.128	.351	-.246
V	-.287	.527	.876	.608	.806	.598	-.190	-.581	.564	-.084	-.163	-.272	.074	.671	.660	.332	.684	-.235	.356
ZN	.044	.094	.417	.207	.413	.552	.057	.011	.309	.073	.030	.264	.051	.099	.334	.339	.170	.393	-.118
ZR	.058	-.260	.150	-.342	.133	.256	.276	.285	.058	-.020	.034	.677	-.003	-.310	-.031	-.268	-.325	.092	-.406
AG	.095	.172	.219	.257	.167	.212	.117	-.083	.225	-.144	-.014	.100	.248	.304	.067	.220	.325	-.075	.136
MO	-.097	.157	.178	.067	.193	.174	-.001	-.029	.204	-.066	-.017	.033	-.036	.052	.118	.129	.124	.034	.127
U	.040	-.089	-.184	-.244	-.200	-.048	.103	.187	-.168	-.048	-.070	.272	-.001	-.274	-.120	-.128	-.247	.066	-.183

	TH	V	ZN	ZR	AG	MO	U
TH	1.000						
V	-.020	1.000					
ZN	.306	.238	1.000				
ZR	.608	-.176	.322	1.000			
AG	-.037	.197	.144	-.044	1.000		
MO	.106	.162	.208	.058	.074	1.000	
U	.153	-.279	.068	.252	-.031	-.081	1.000

DATA ANALYSIS FOR AL203 SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR AL203

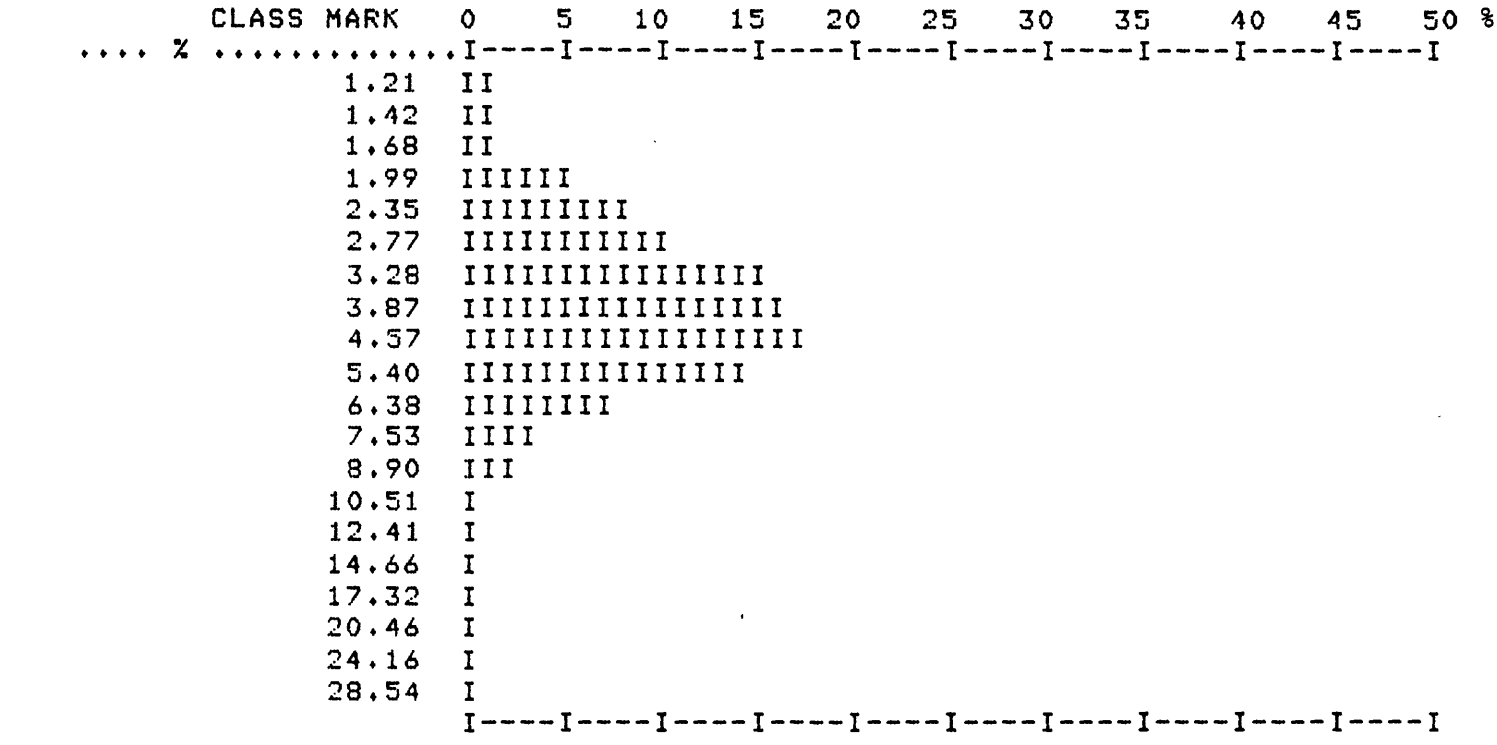


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR AL203

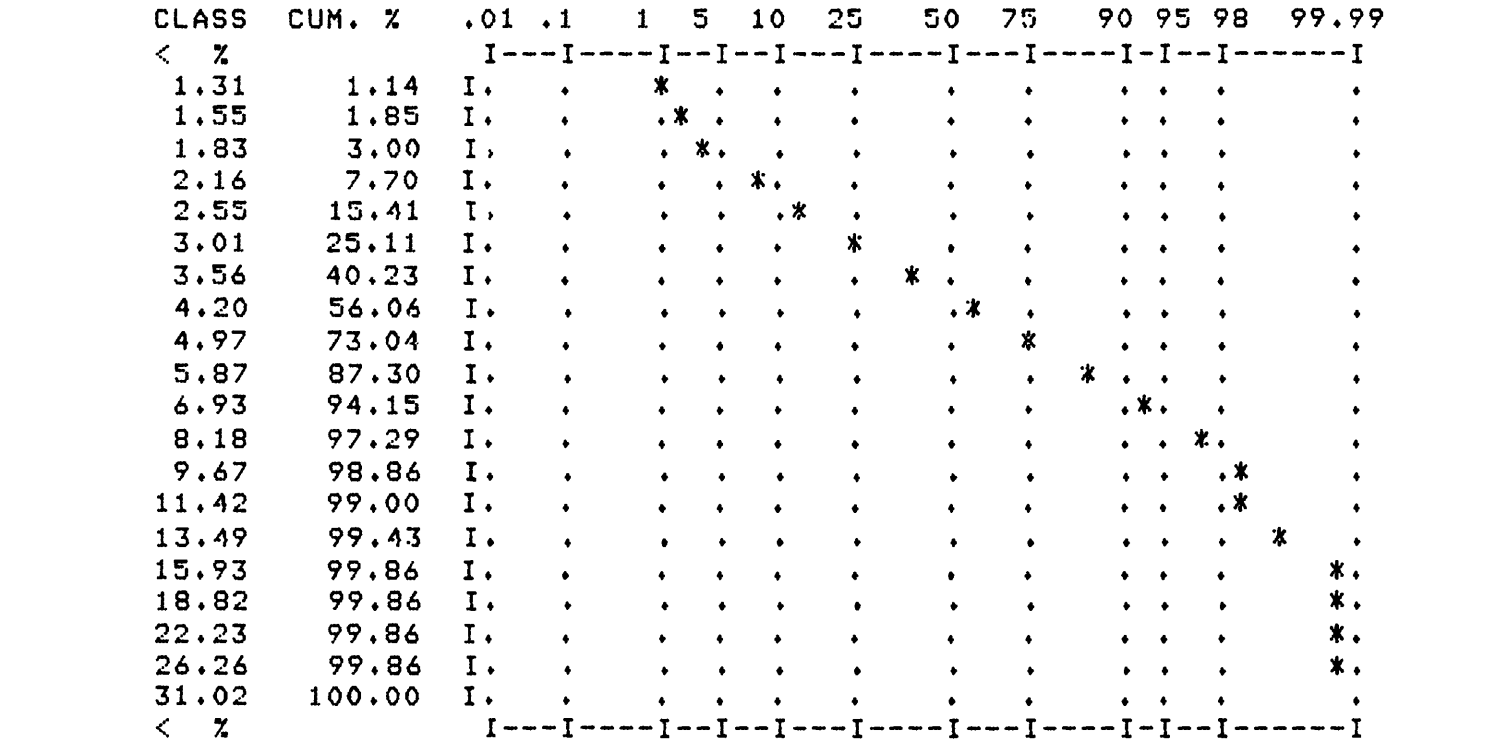
CLASS < %	CUM. %	.01 .1 1 5 10 25 50 75 90 95 98 99.99
9.14	2.28	*
9.63	3.14	*
10.15	4.28	*
10.70	6.99	*
11.27	10.27	*
11.88	15.26	*
12.51	28.67	*
13.19	51.78	*
13.90	75.75	*
14.64	94.44	*
15.43	99.43	*
16.26	100.00	
17.13	100.00	
18.05	100.00	
19.02	100.00	
20.05	100.00	
21.12	100.00	
22.26	100.00	
23.46	100.00	
24.72	100.00	

DATA ANALYSIS FOR CAO SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR CAO

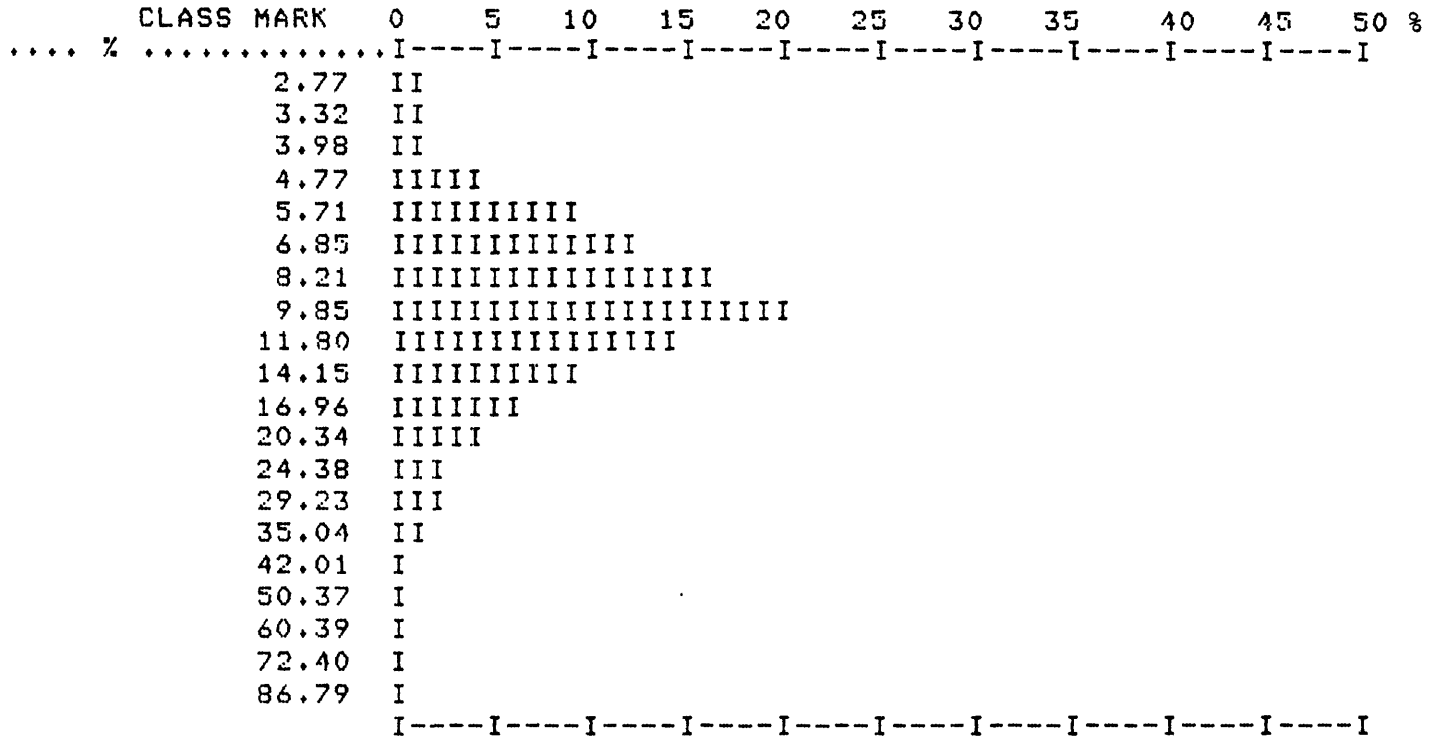


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR CAO

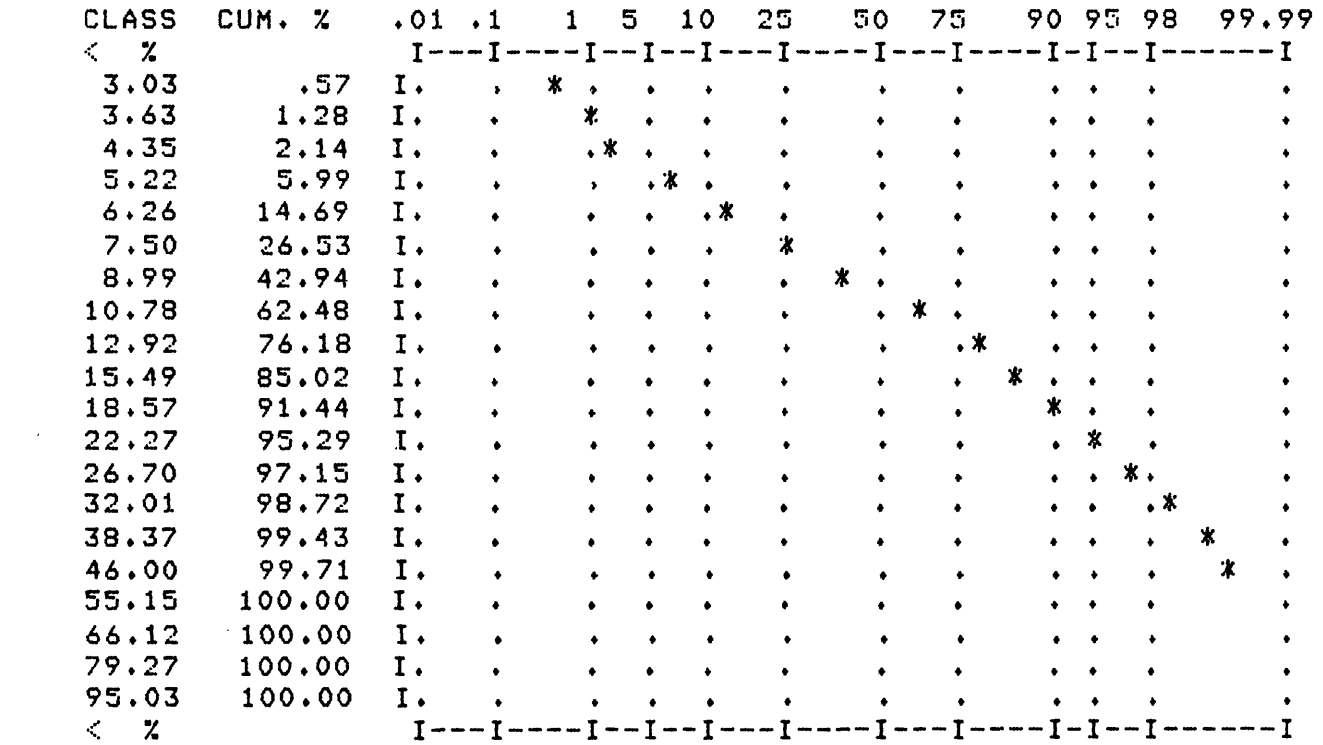


DATA ANALYSIS FOR FE203 SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR FE203

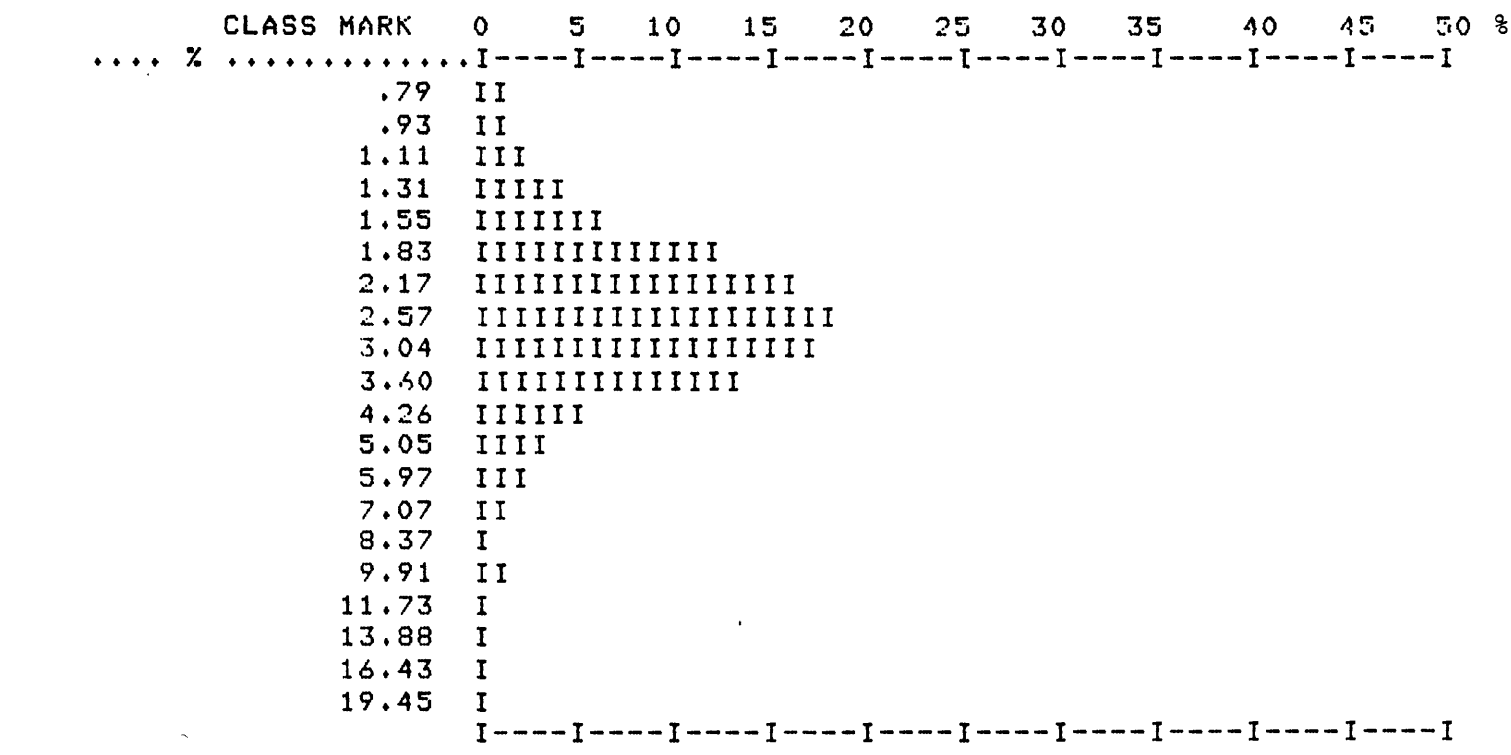


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR FE203

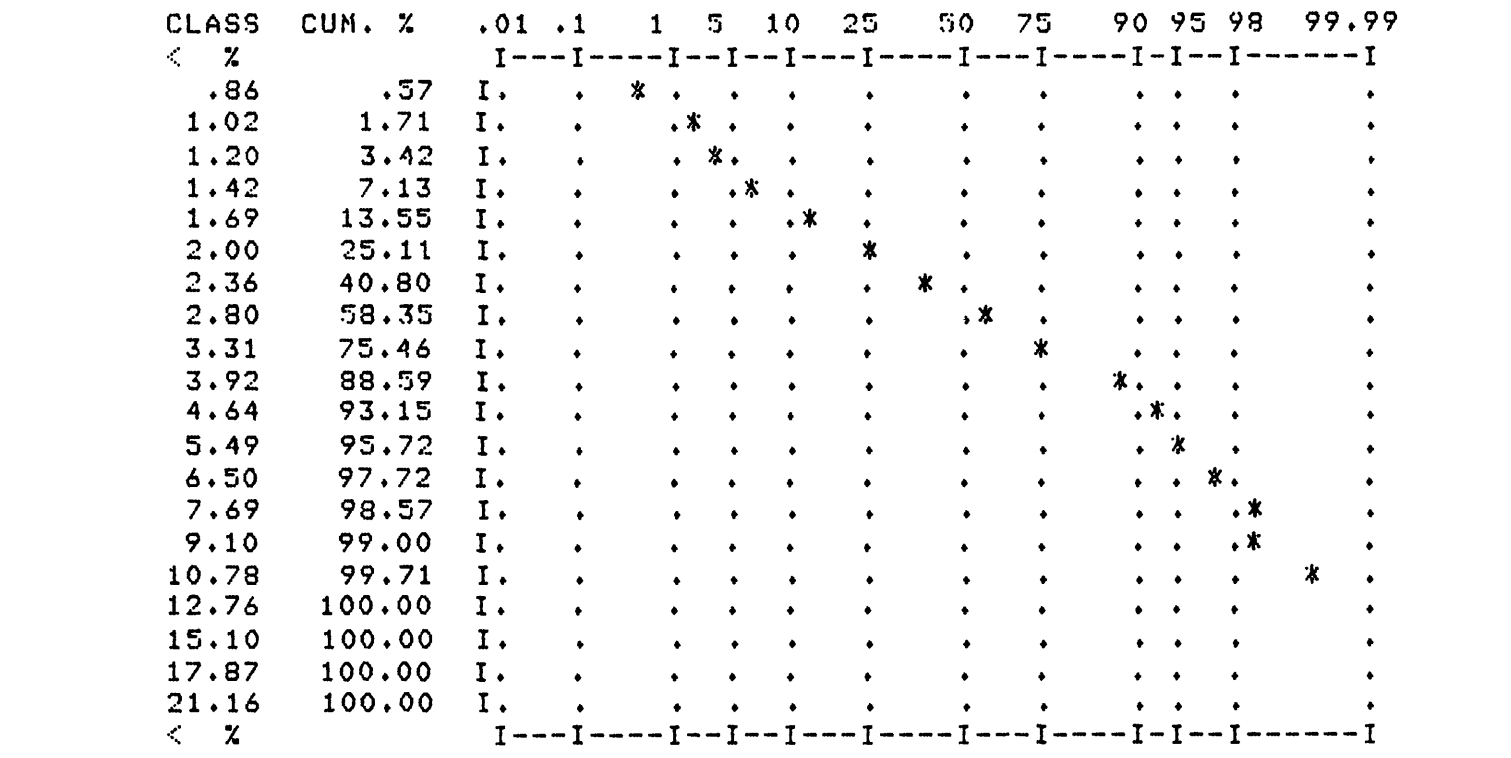


DATA ANALYSIS FOR MGO SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR MGO

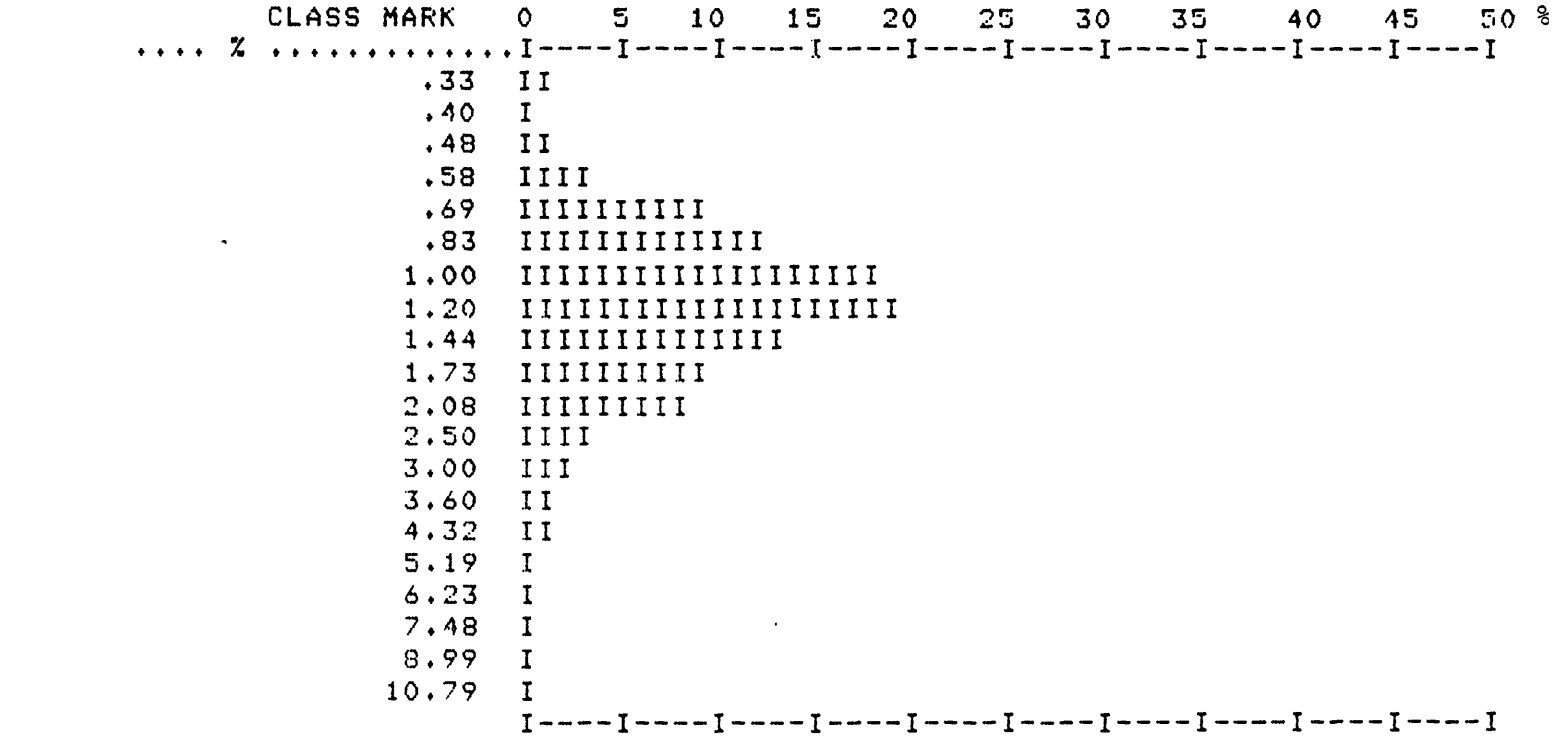


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR MGO

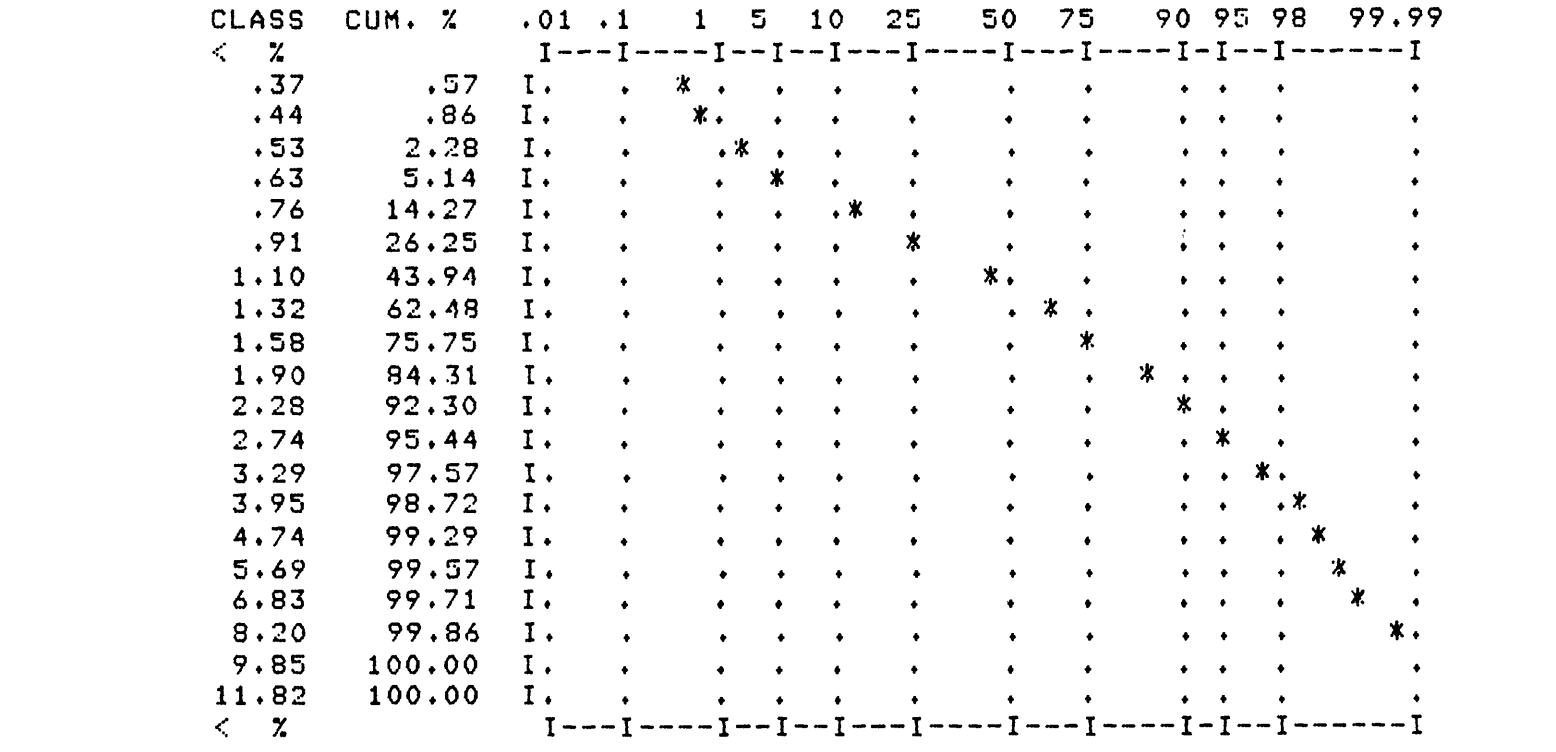


DATA ANALYSIS FOR TIO2 SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR TIO2

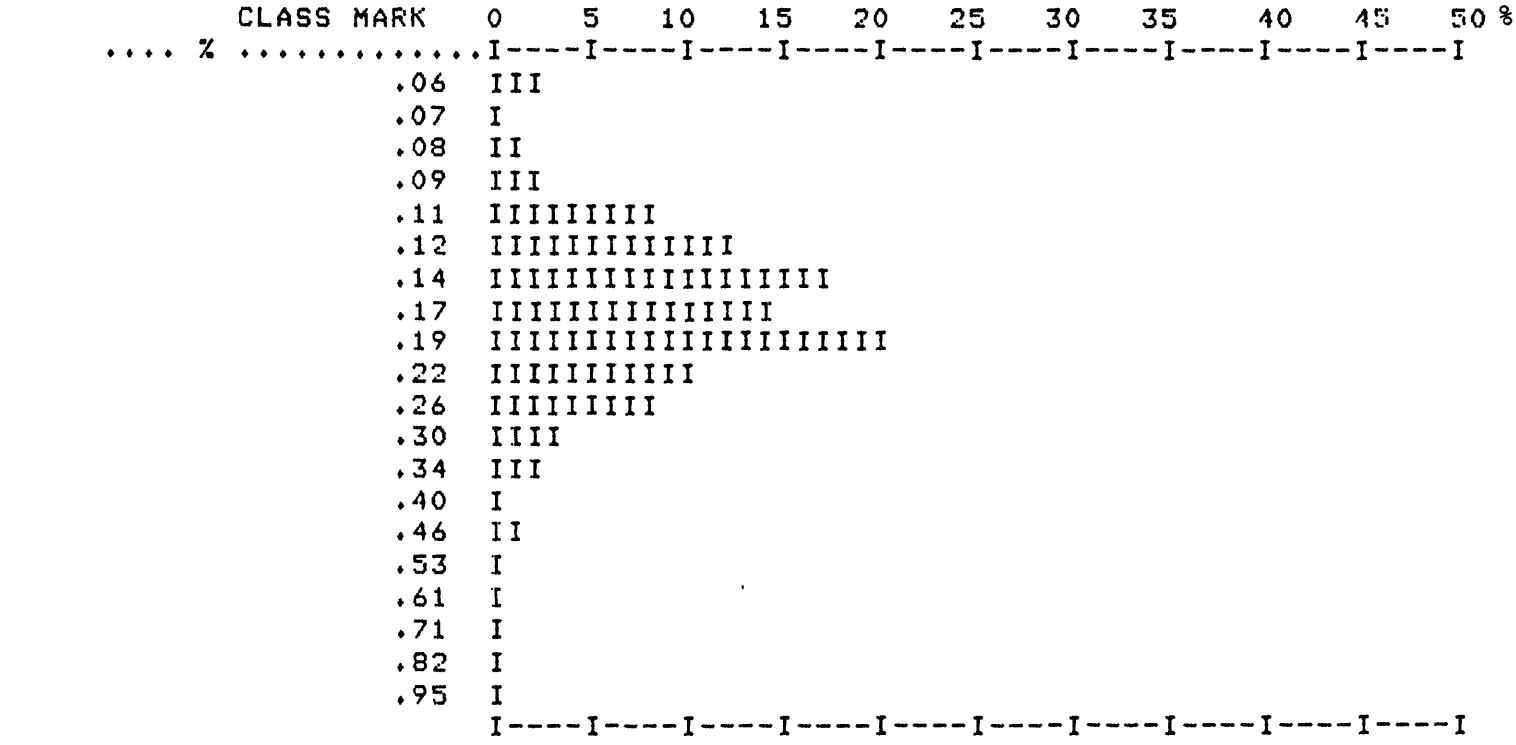


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR TIO2

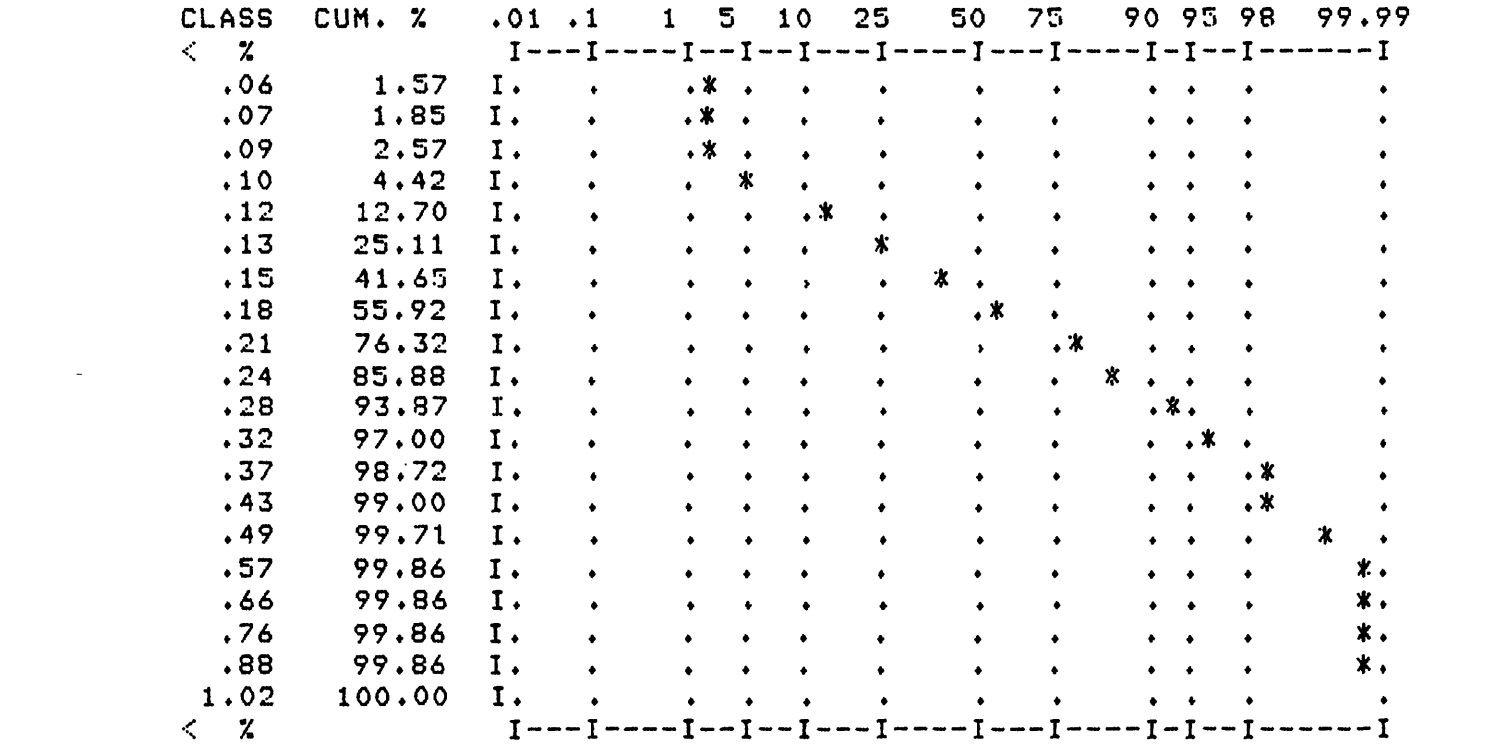


DATA ANALYSIS FOR MNO SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR MNO

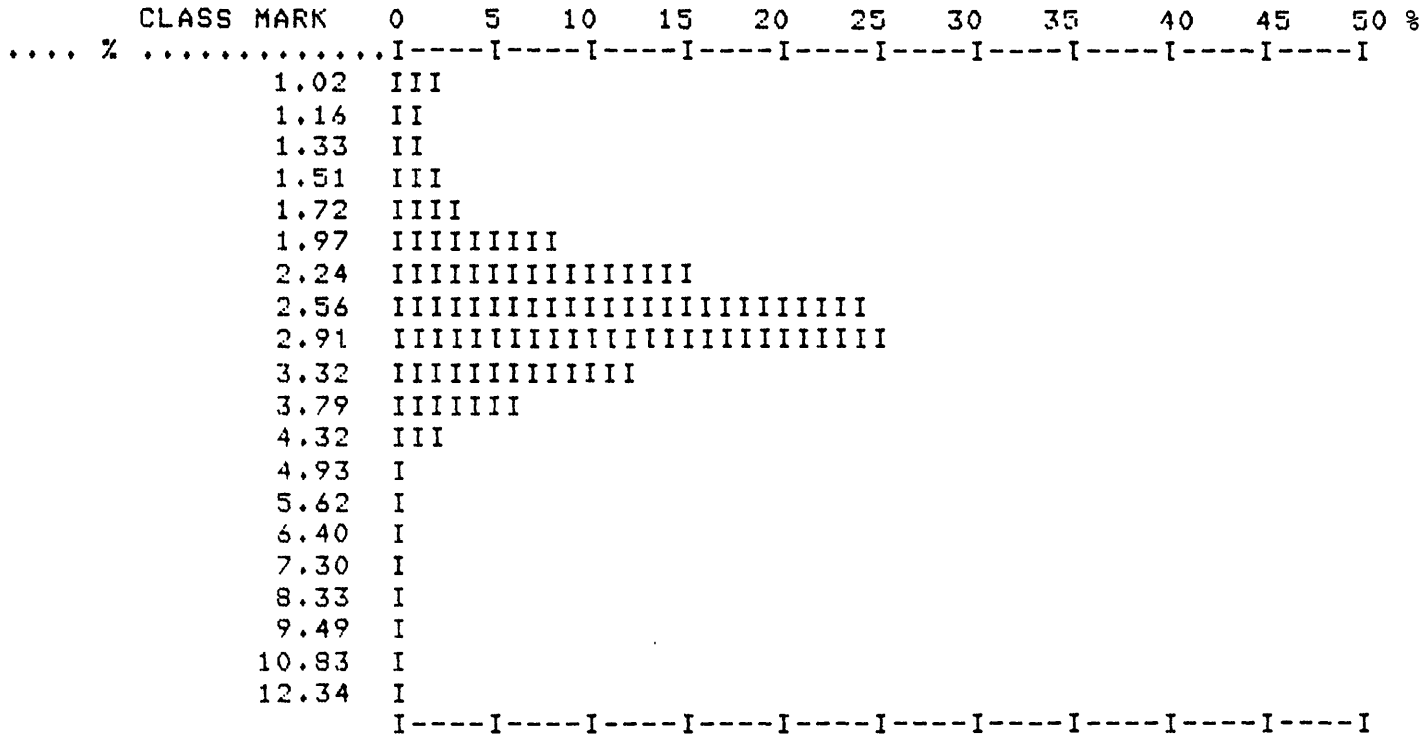


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR MNO

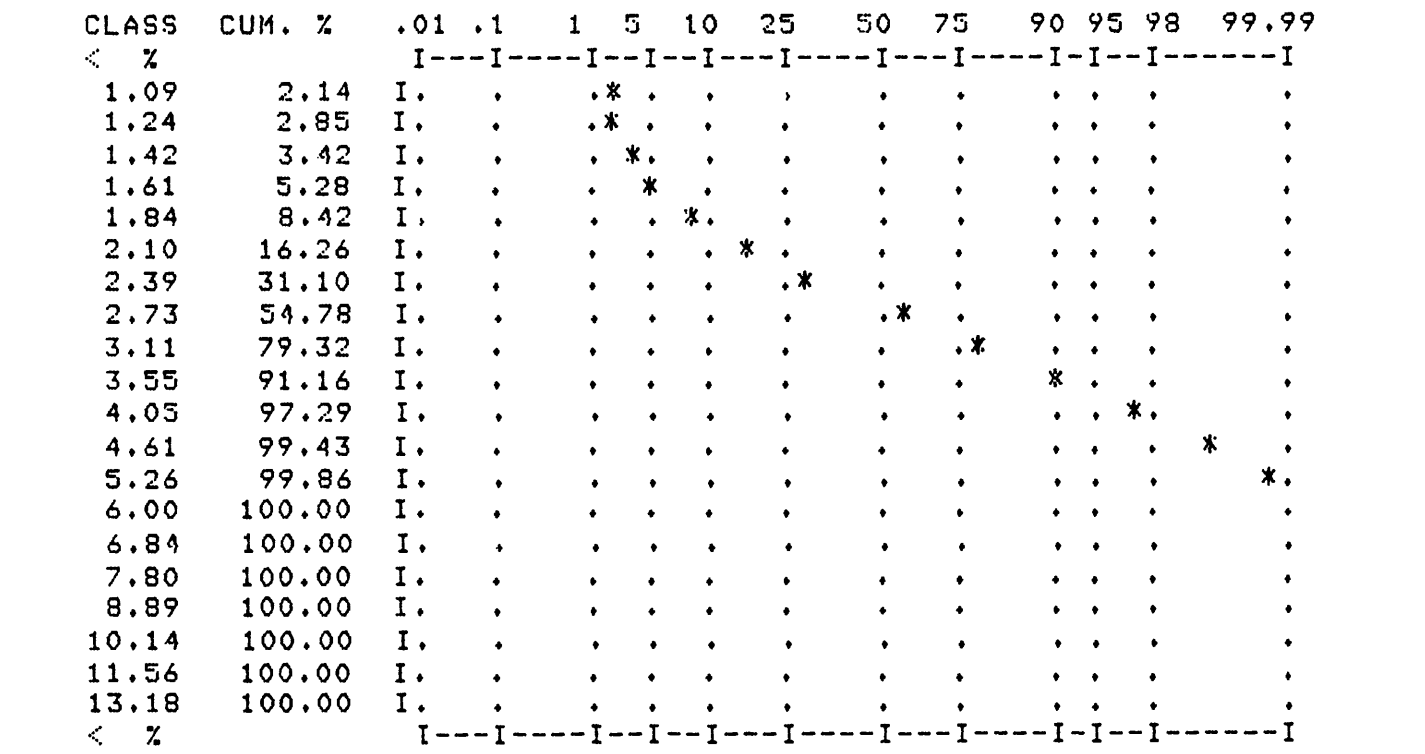


DATA ANALYSIS FOR NA2O SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR NA2O

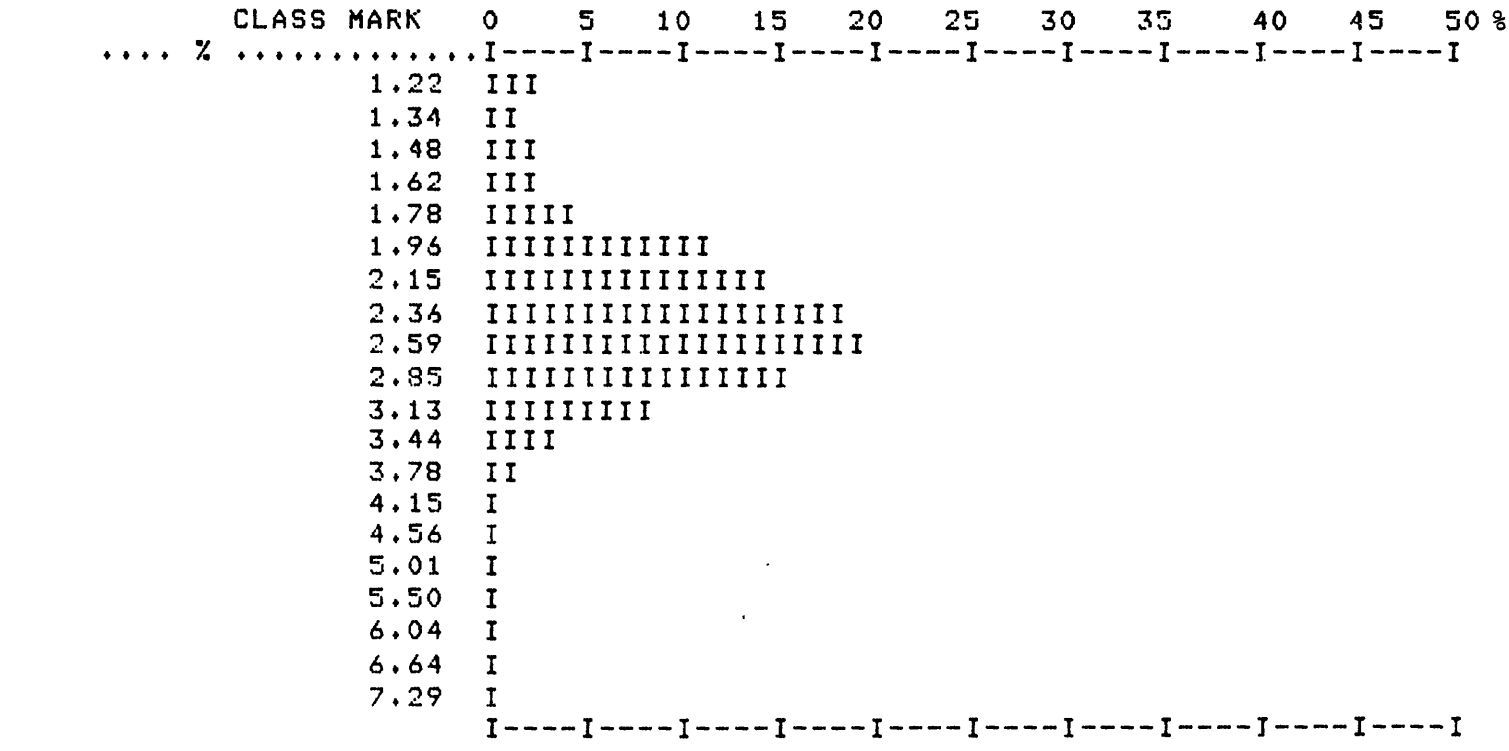


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR NA2O

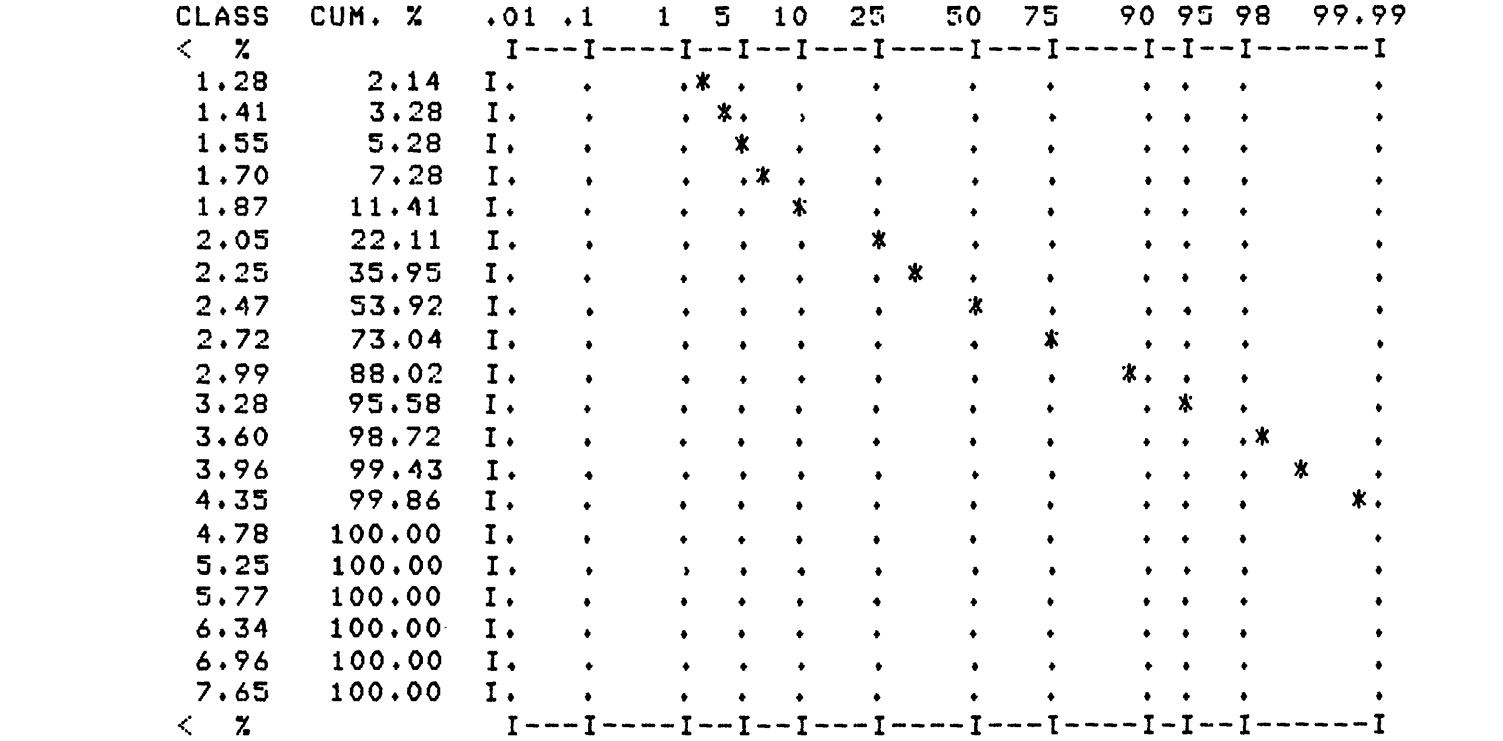


DATA ANALYSIS FOR K20 SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR K20

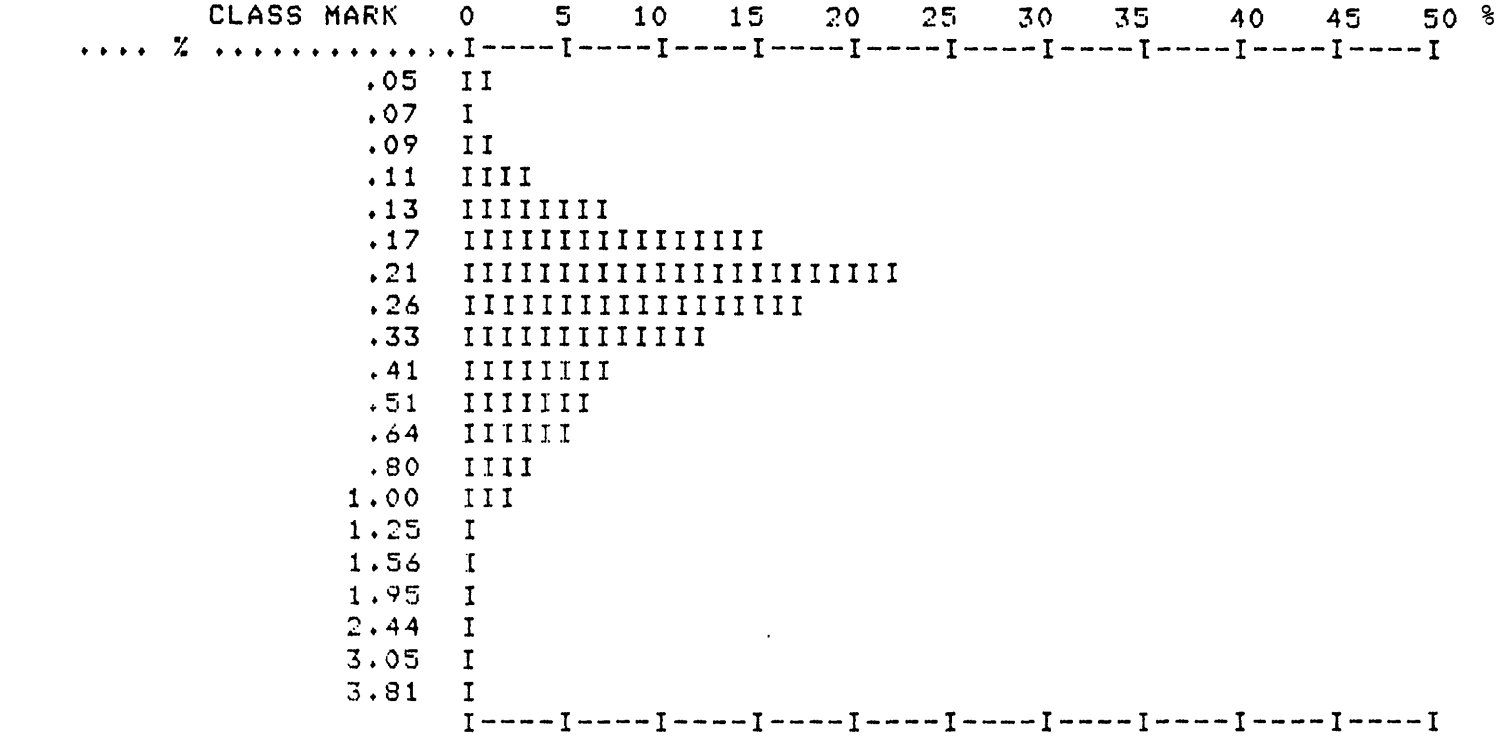


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR K20

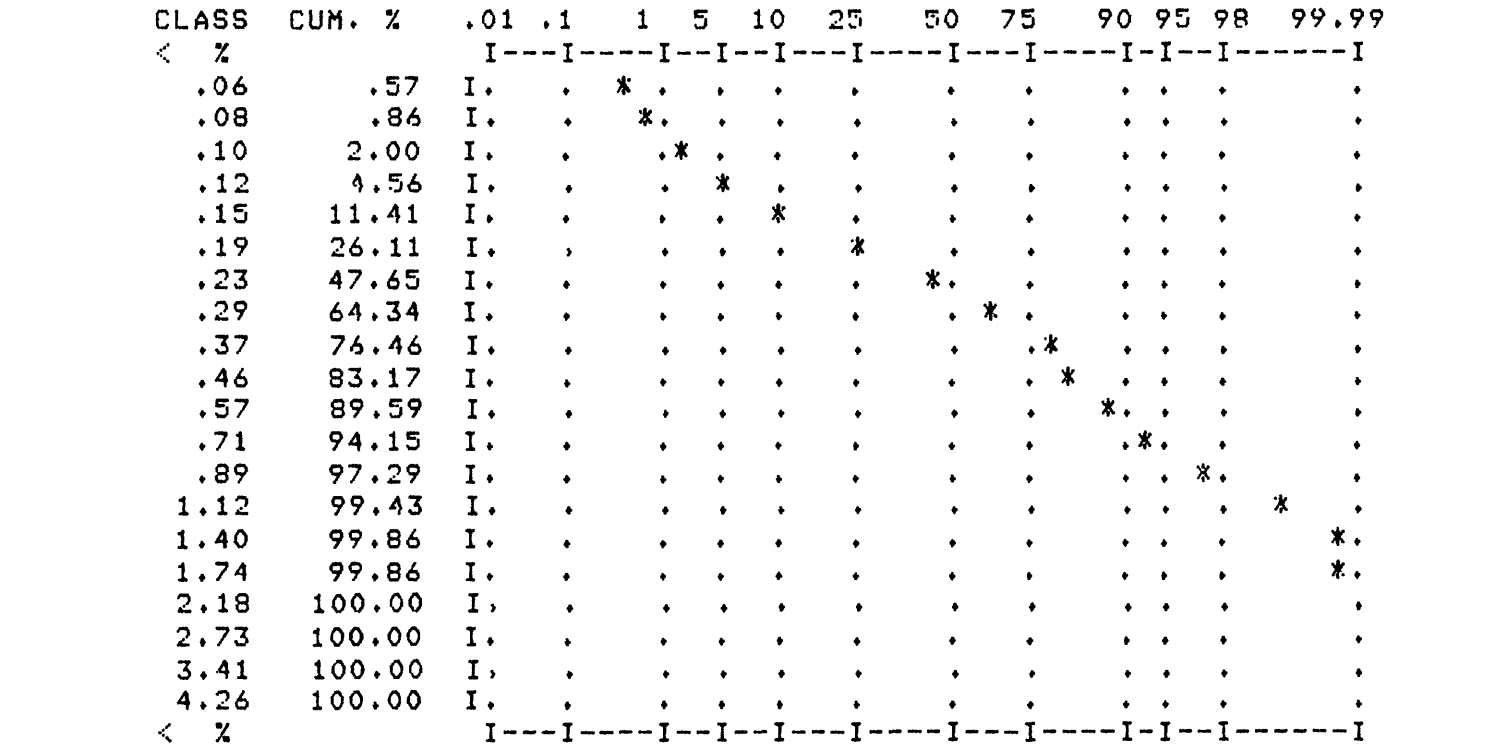


DATA ANALYSIS FOR P205 SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR P205

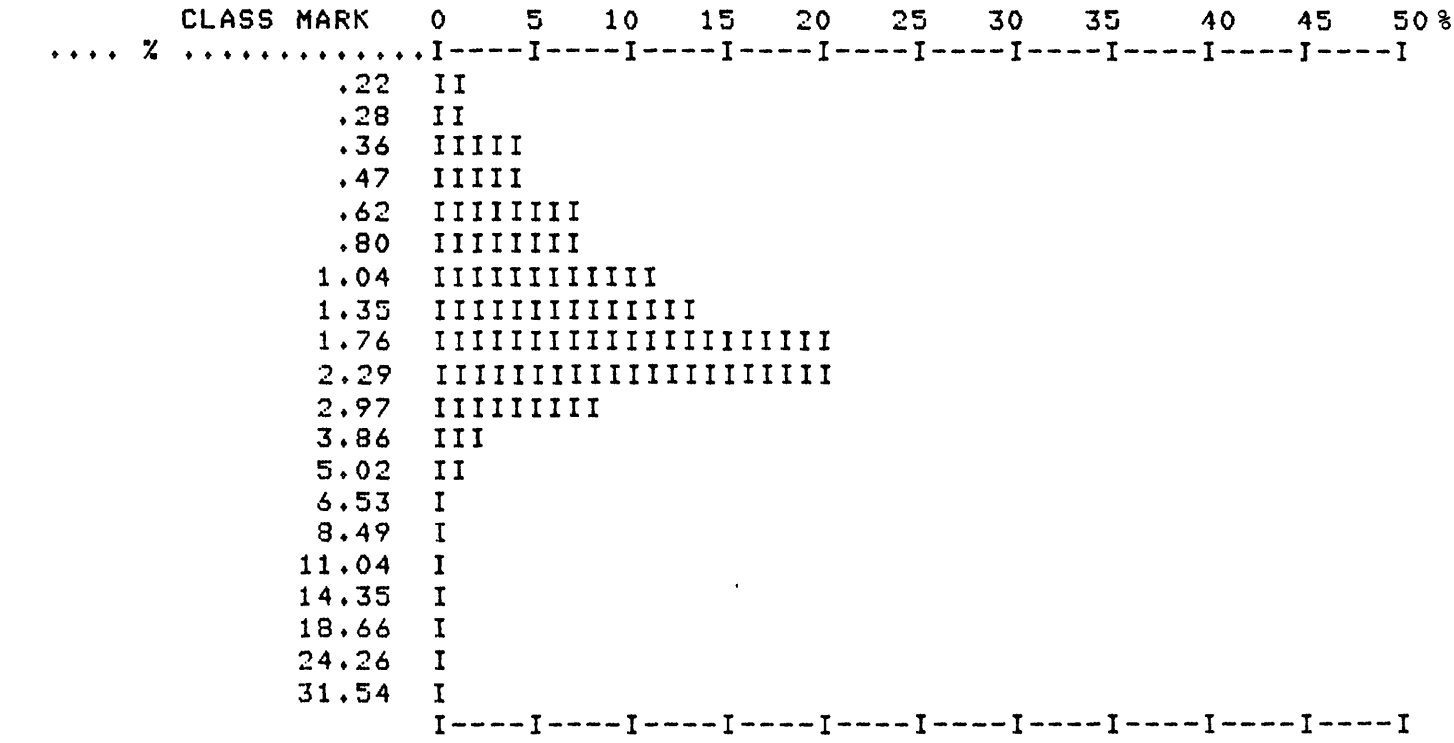


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR P205

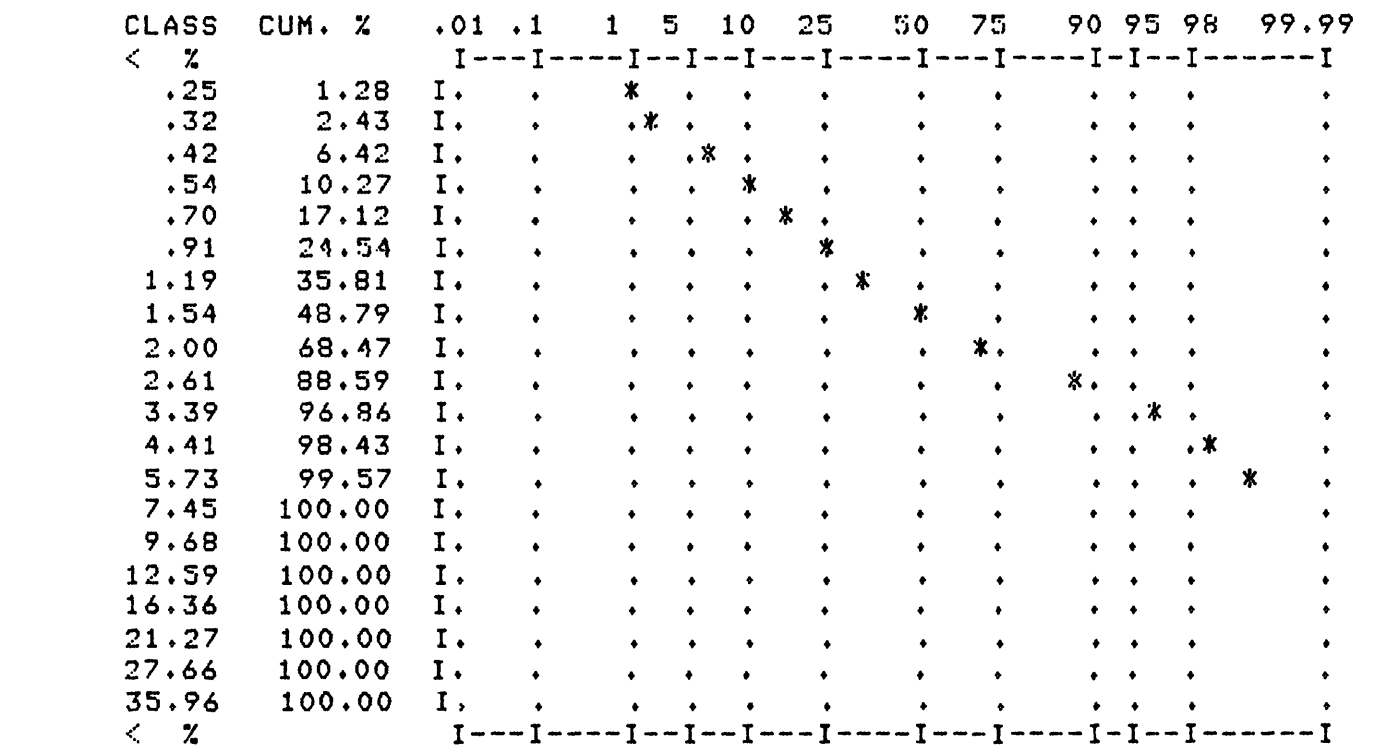


DATA ANALYSIS FOR SIO2 SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR SIO2



LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR SIO2



DATA ANALYSIS FOR BA SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR BA

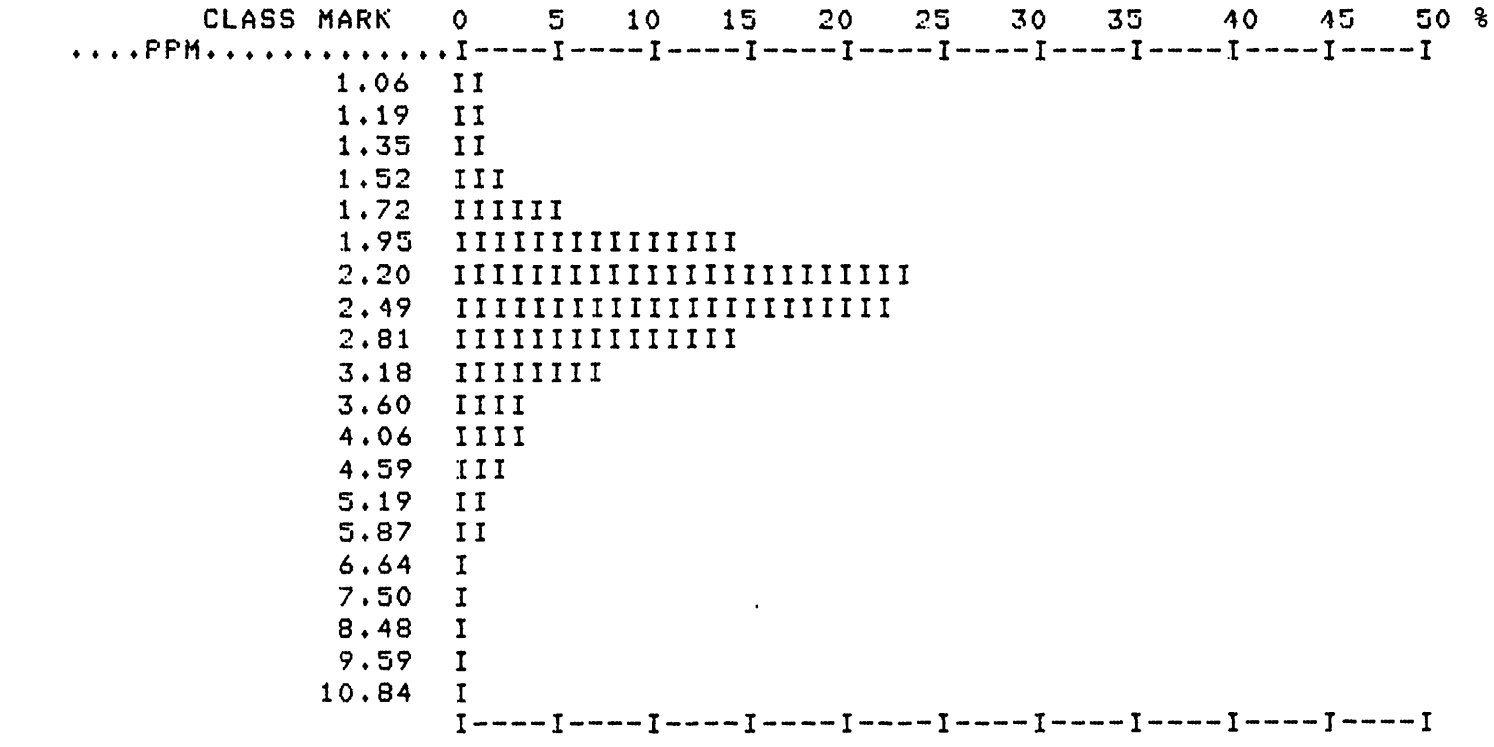
```
      CLASS MARK    0    5   10   15   20   25   30   35   40   45   50 %
....PPM.............I----I----I----I----I----I----I----I----I----I----I
           272.35  II
           323.47  II
           384.18  III
           456.30  IIIIII
           541.95  IIIIIIIIII
           643.67  IIIIIIIIIIIIIII
           764.50  IIIIIIIIII
           908.00  IIIIIIIII
          1078.43  IIIIIIIIIIIIII
          1280.86  IIIIIIIIIIIIIIIII
          1521.29  IIIIIIIIIII
          1806.85  IIII
          2146.00  II
          2548.82  II
          3027.25  I
          3595.49  I
          4270.39  I
          5071.96  I
          6024.01  I
          7154.75  I
                   I----I----I----I----I----I----I----I----I----I----I
```

LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR BA

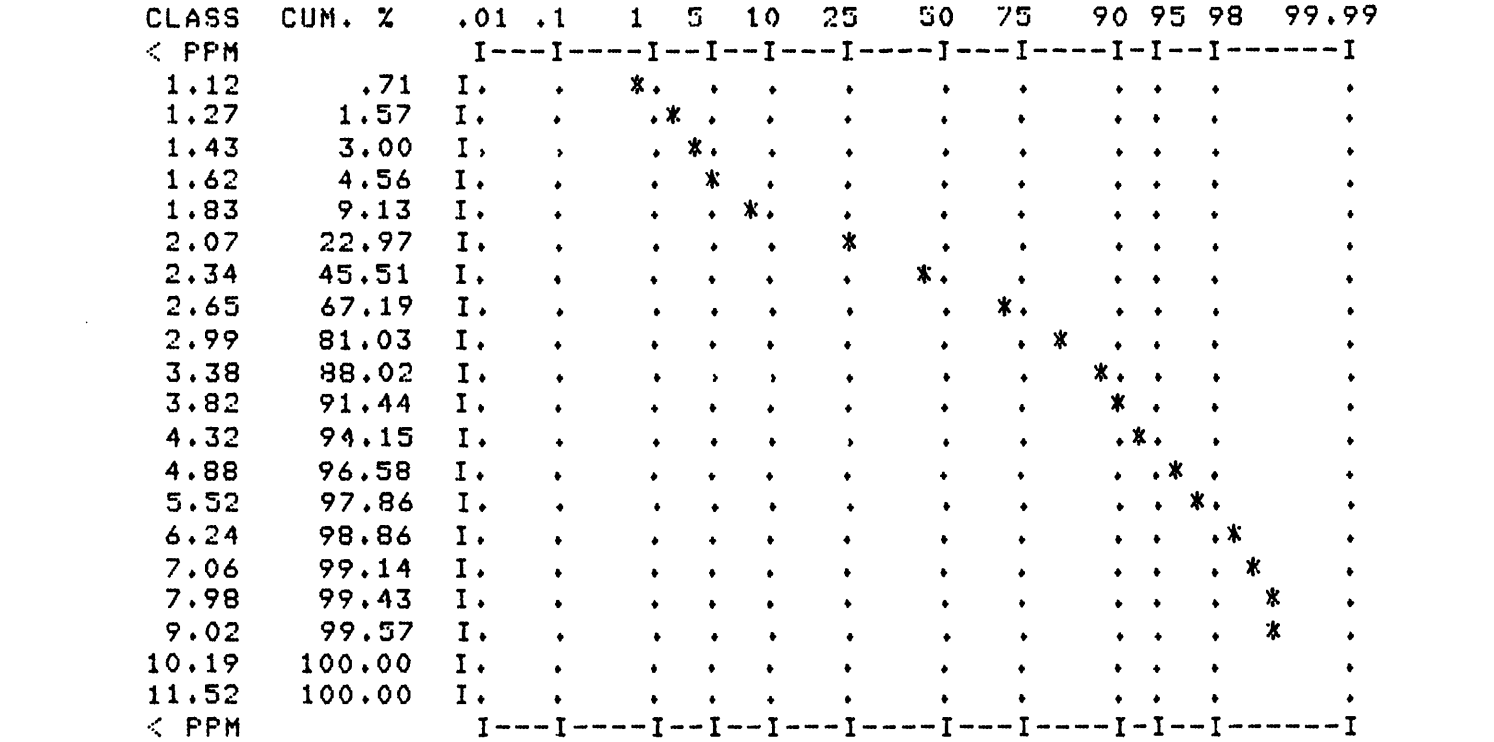
```
   CLASS  CUM. %    .01 .1   1  5  10  25   50  75   90 95 98  99.99
   < PPM             I---I----I--I--I---I----I---I----I-I--I------I
  296.81      .71   I.   .   *.  .  .   .    .   .    . .  .       .
  352.52     1.43   I.   .    .* .  .   .    .   .    . .  .       .
  418.69     3.00   I.   .    . *. .   .    .   .    . .  .       .
  497.28     7.70   I.   .    .  . *.  .    .   .    . .  .       .
  590.63    17.26   I.   .    .  .  . *  .    .   .    . .  .       .
  701.49    32.38   I.   .    .  .  .  . *  .   .    . .  .       .
  833.16    42.65   I.   .    .  .  .  . *  .   .    . .  .       .
  989.55    51.21   I.   .    .  .  .  .   * .   .    . .  .       .
 1175.30    65.34   I.   .    .  .  .  .   . * .    . .  .       .
 1395.91    83.74   I.   .    .  .  .  .   .   .  * . .  .       .
 1657.93    94.86   I.   .    .  .  .  .   .   .    . * .       .
 1969.14    98.15   I.   .    .  .  .  .   .   .    . . *       .
 2338.76    99.29   I.   .    .  .  .  .   .   .    . .  . *     .
 2777.76   100.00   I.   .    .  .  .  .   .   .    . .  .       .
 3299.16   100.00   I.   .    .  .  .  .   .   .    . .  .       .
 3918.43   100.00   I.   .    .  .  .  .   .   .    . .  .       .
 4653.95   100.00   I.   .    .  .  .  .   .   .    . .  .       .
 5527.53   100.00   I.   .    .  .  .  .   .   .    . .  .       .
 6565.08   100.00   I.   .    .  .  .  .   .   .    . .  .       .
 7797.39   100.00   I.   .    .  .  .  .   .   .    . .  .       .
   < PPM             I---I----I--I--I---I----I---I----I-I--I------I
```

DATA ANALYSIS FOR BE SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR BE

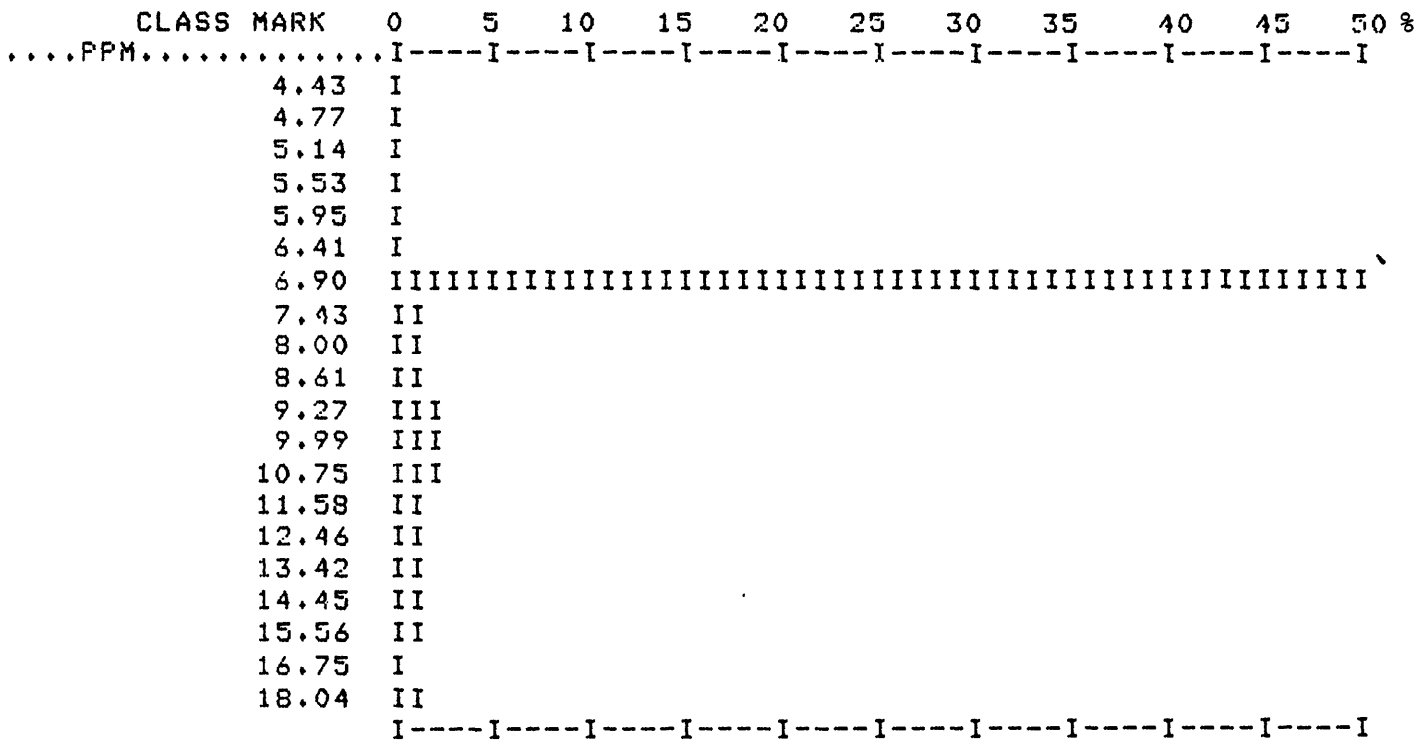


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR BE

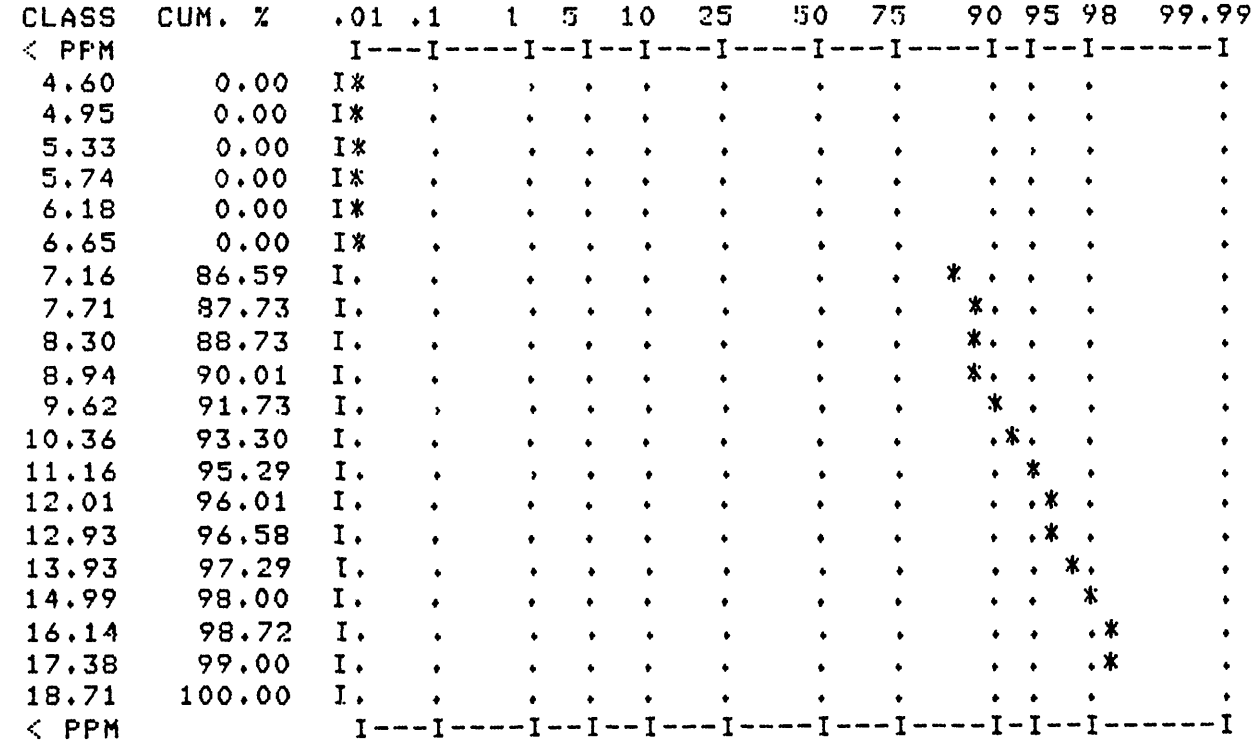


DATA ANALYSIS FOR CD SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR CD

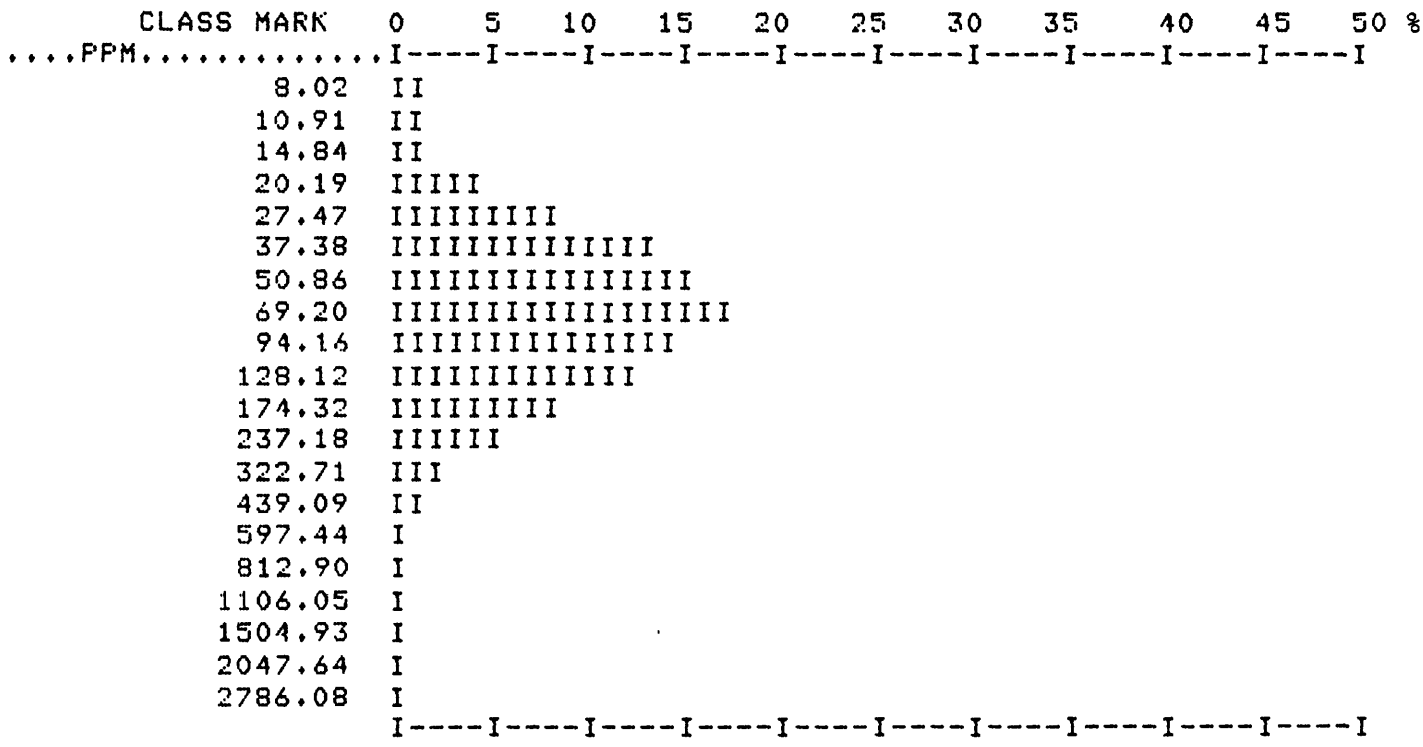


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR CD

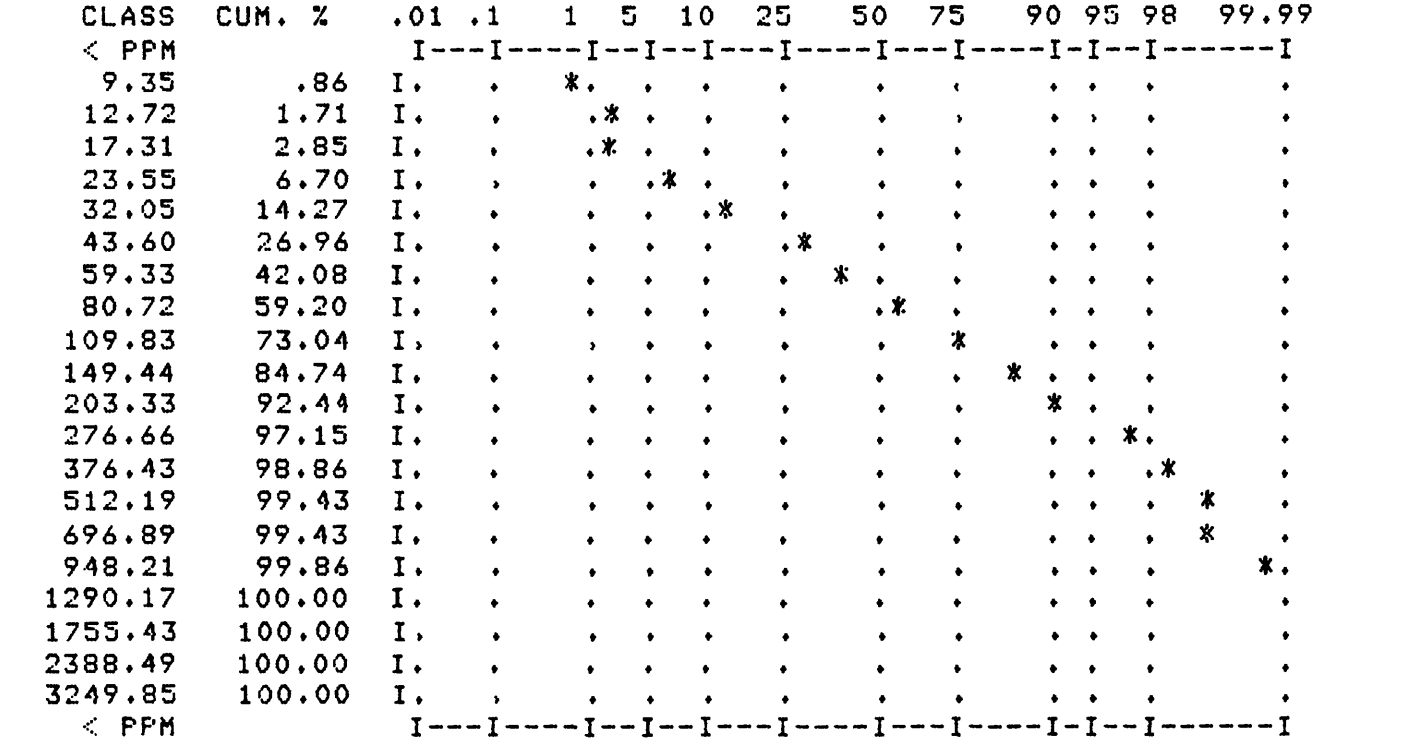


DATA ANALYSIS FOR CR SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR CR

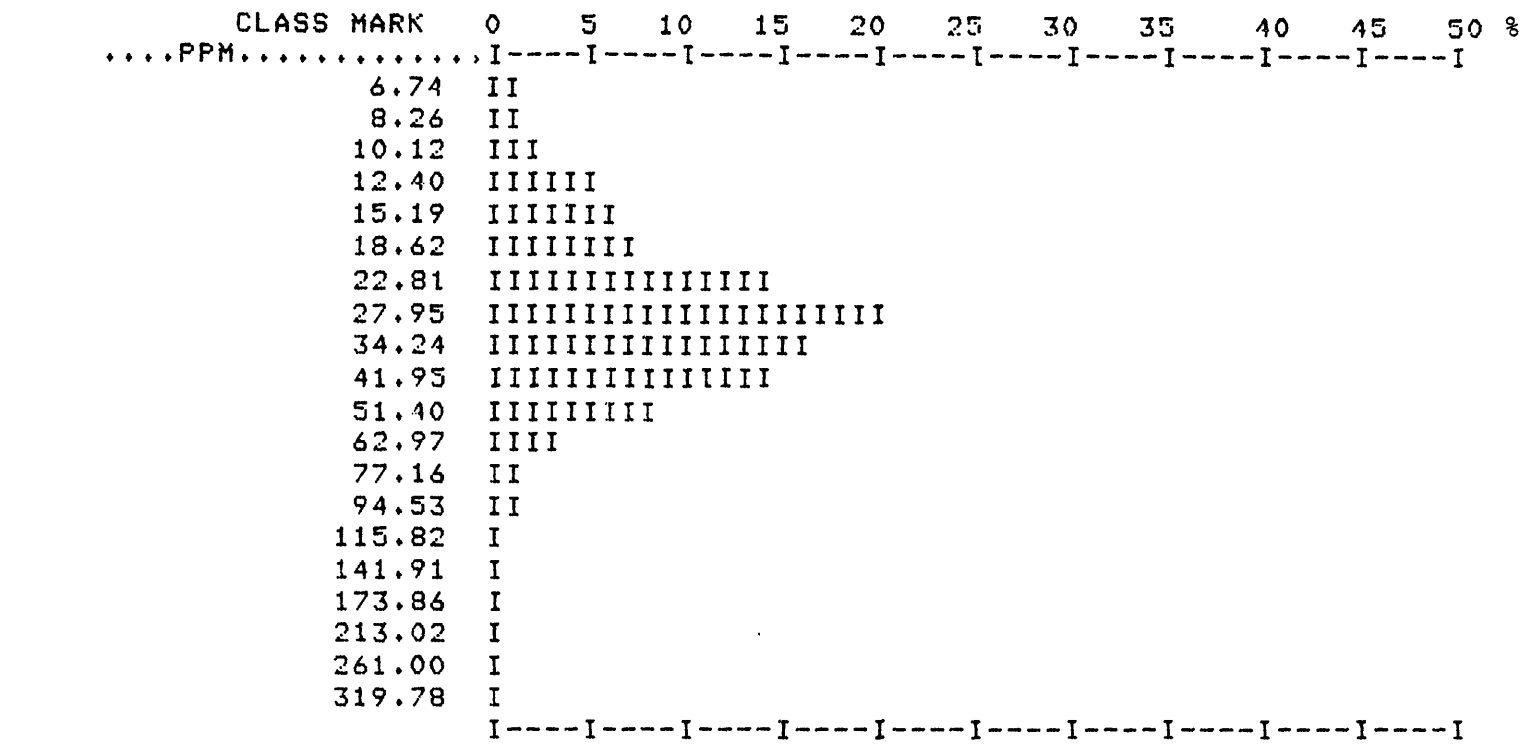


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR CR

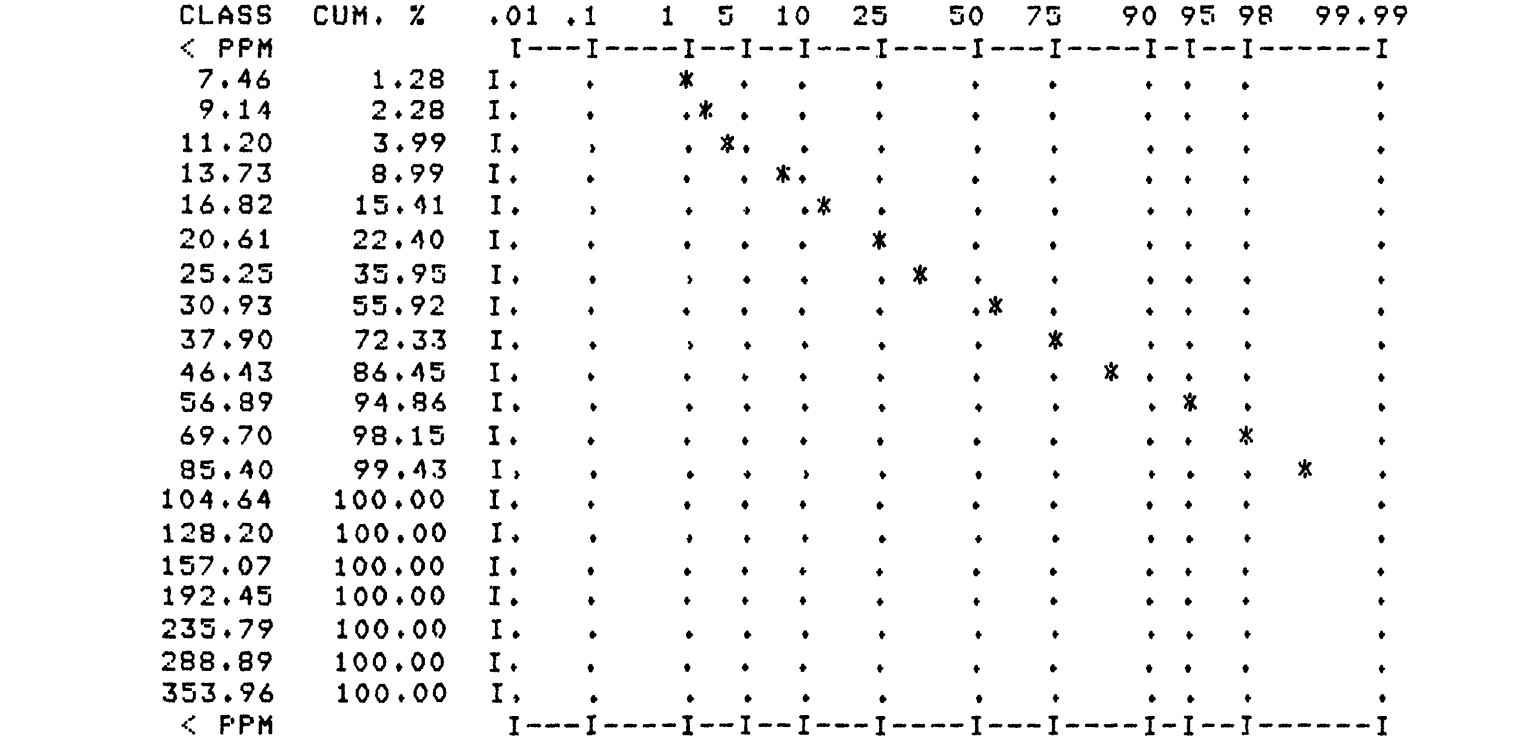


DATA ANALYSIS FOR CO SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR CO

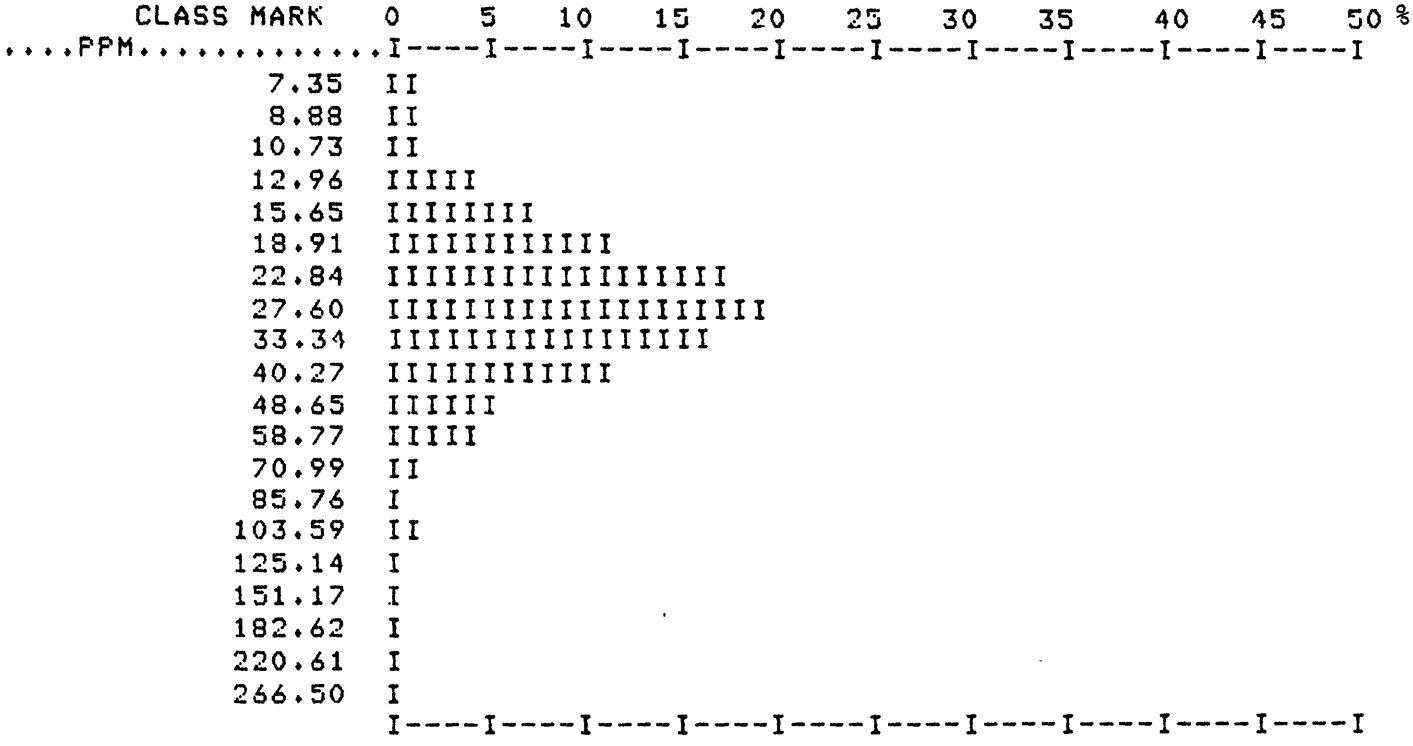


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR CO

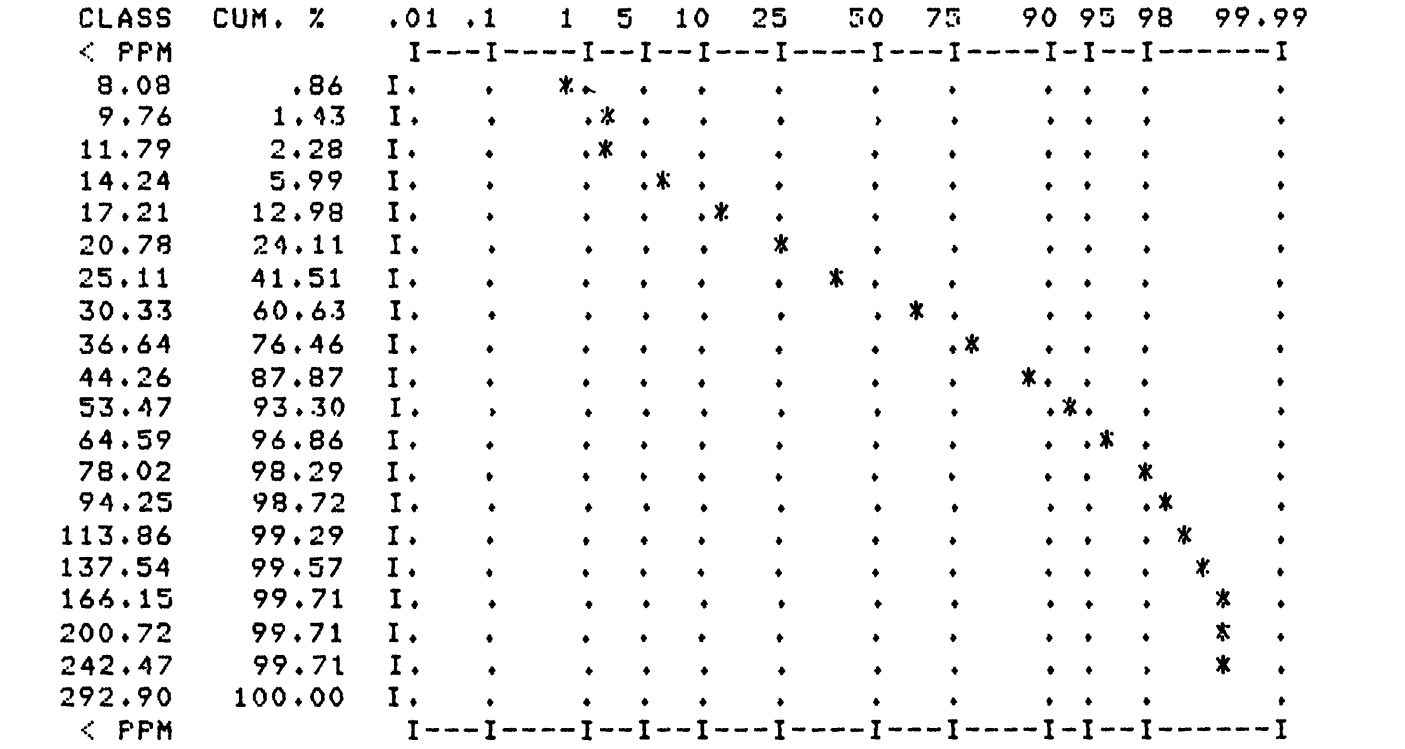


DATA ANALYSIS FOR CU SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR CU

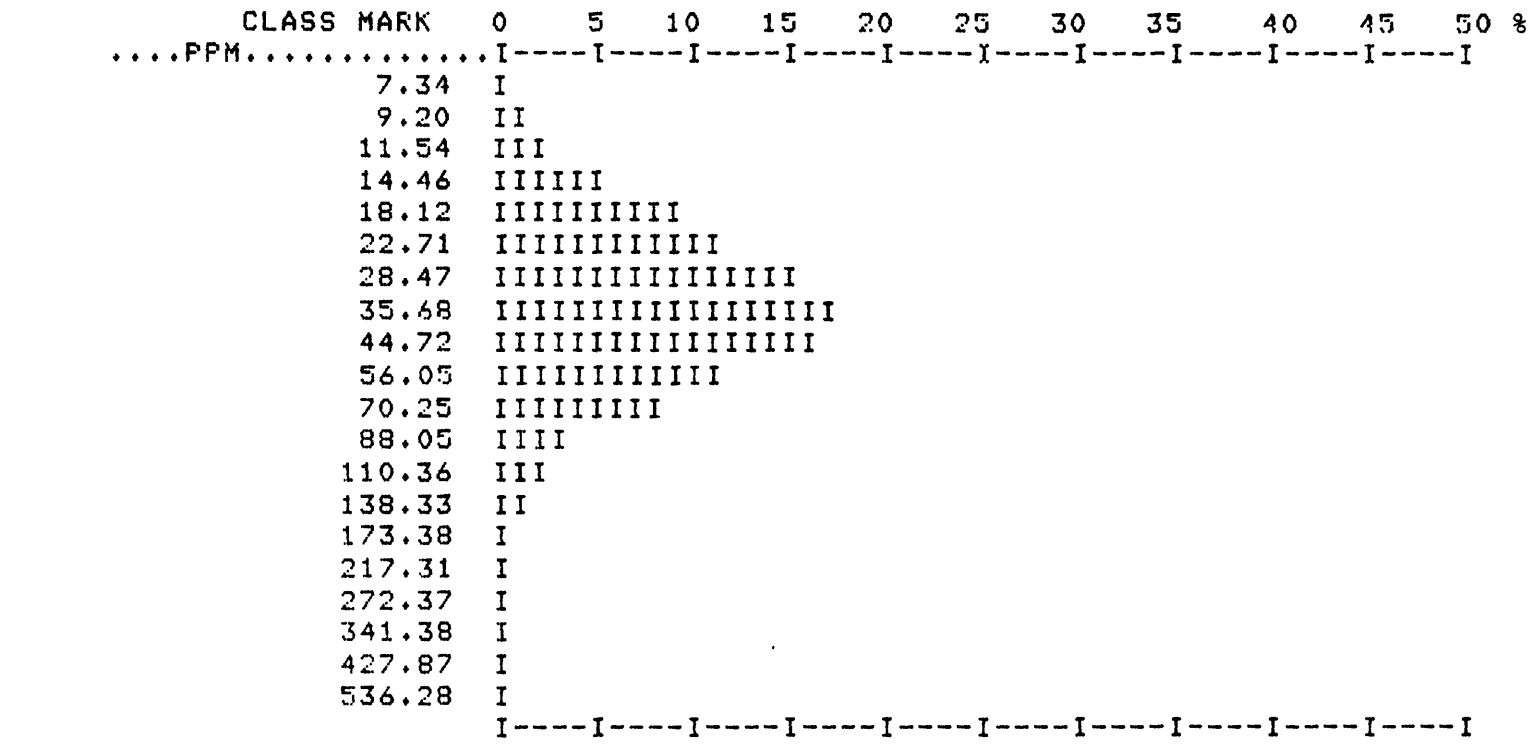


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR CU

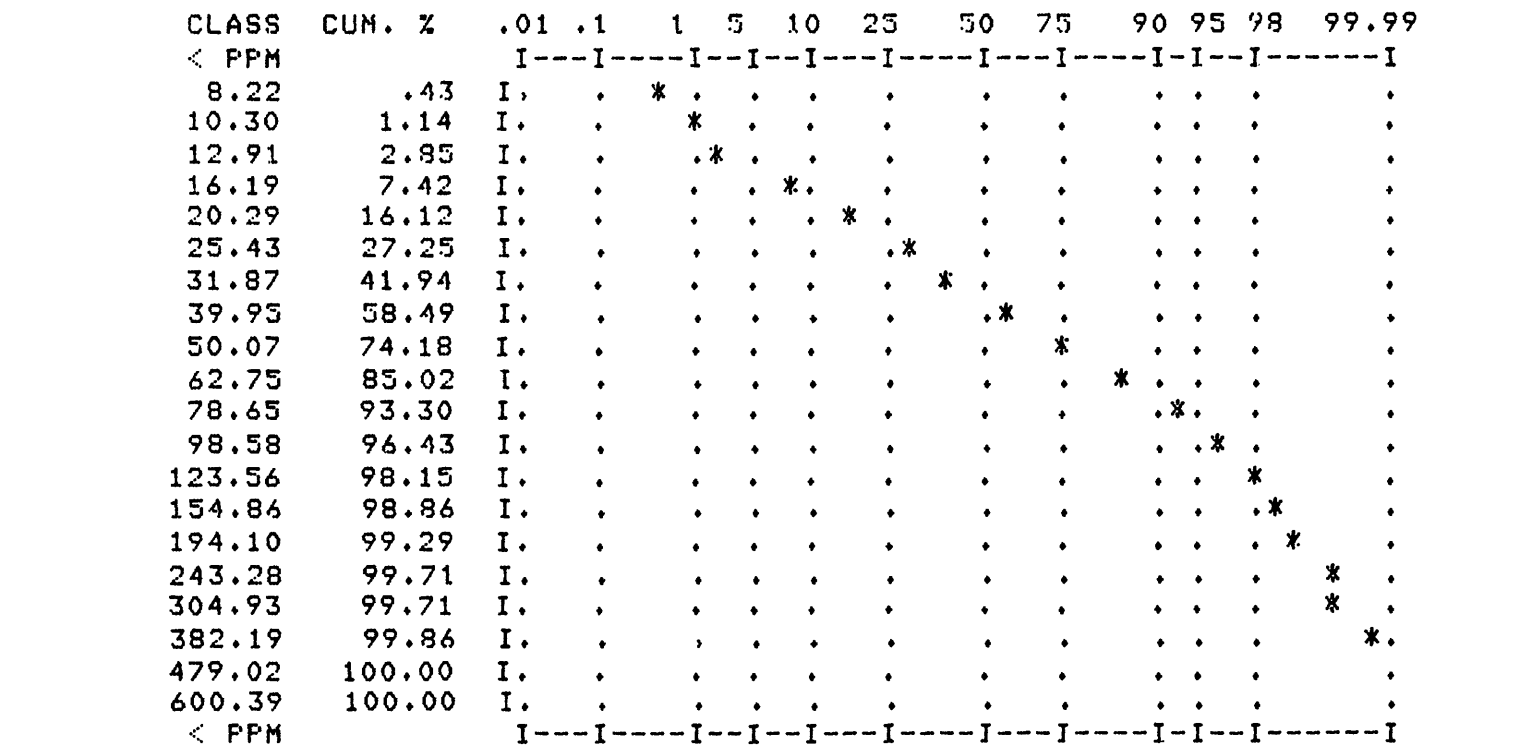


DATA ANALYSIS FOR NI SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR NI



LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR NI



DATA ANALYSIS FOR PB SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR PB

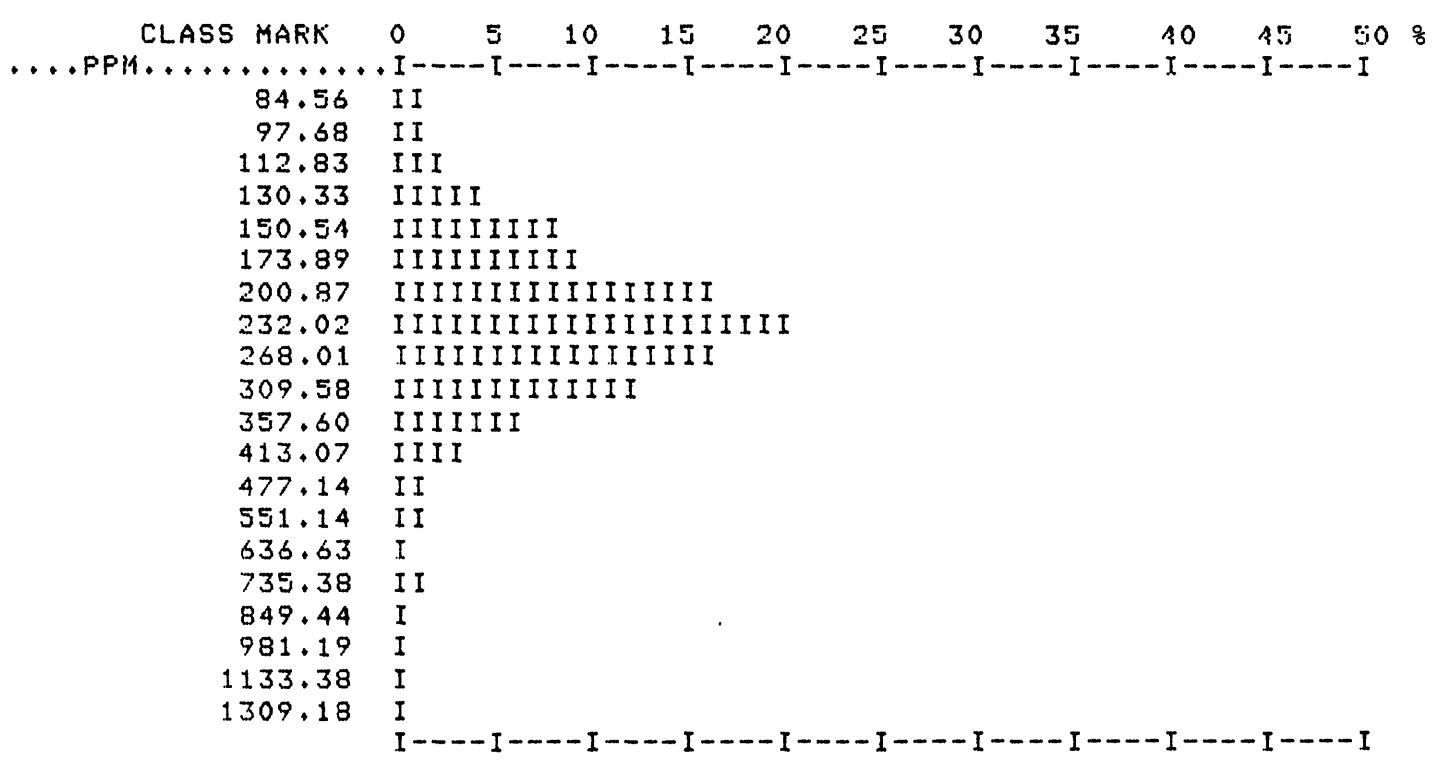
```
      CLASS MARK    0    5   10   15   20   25   30   35   40   45   50 %
....PPM.............I----I----I----I----I----I----I----I----I----I----I
              2.59  I
              3.37  I
              4.40  IIIIIIIIIIIIIII
              5.74  I
              7.48  I
              9.76  IIIIIIIIIIIII
             12.72  I
             16.60  IIIIIIIIIIIIIIIIIII
             21.65  IIIIIIIIIIIIIIIII
             28.23  IIIIIIIIIIIIIIIIIIIII
             36.82  IIIIIIIII
             48.02  IIII
             62.63  III
             81.68  II
            106.53  I
            138.95  I
            181.22  I
            236.35  I
            308.26  I
            402.04  I
                    I----I----I----I----I----I----I----I----I----I----I
```

LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR PB

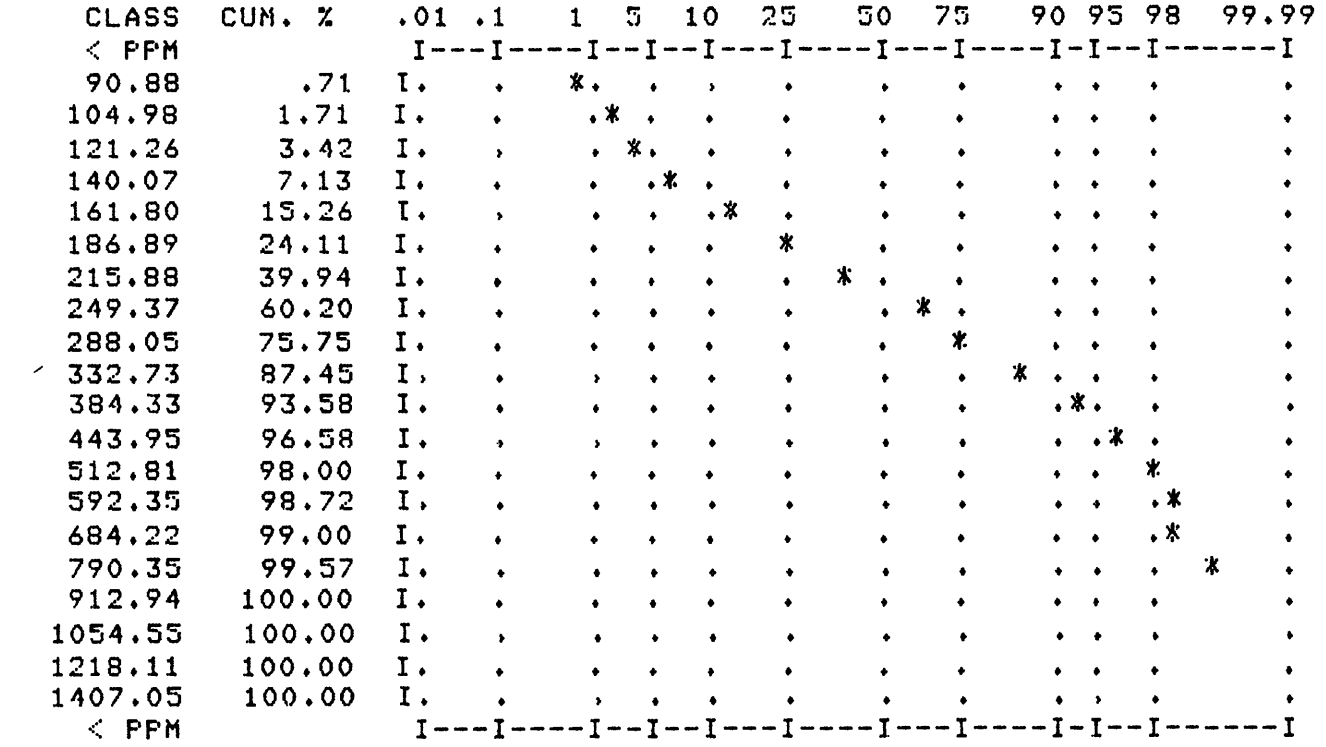
```
   CLASS  CUM. %   .01 .1   1  5  10  25   50  75   90 95 98  99.99
   < PPM            I---I----I--I--I---I----I---I----I-I--I------I
    2.95     0.00  I*   .    .  .  .   .    .   .    . . .   .      .
    3.85     0.00  I*   .    .  .  .   .    .   .    . . .   .      .
    5.02    14.69  I.   .    .  .  .*  .    .   .    . . .   .      .
    6.55    14.69  I.   .    .  .  .*  .    .   .    . . .   .      .
    8.54    14.69  I.   .    .  .  .*  .    .   .    . . .   .      .
   11.14    27.96  I.   .    .  .  .   .*   .   .    . . .   .      .
   14.53    27.96  I.   .    .  .  .   .*   .   .    . . .   .      .
   18.95    47.93  I.   .    .  .  .   .    *.  .    . . .   .      .
   24.72    65.48  I.   .    .  .  .   .    .   *    . . .   .      .
   32.24    87.02  I.   .    .  .  .   .    .   .    * . .   .      .
   42.05    94.58  I.   .    .  .  .   .    .   .    . * .   .      .
   54.84    97.29  I.   .    .  .  .   .    .   .    . . *.  .      .
   71.52    99.00  I.   .    .  .  .   .    .   .    . . .*  .      .
   93.29    99.57  I.   .    .  .  .   .    .   .    . . .   *      .
  121.67    99.86  I.   .    .  .  .   .    .   .    . . .   .      *.
  158.68   100.00  I.   .    .  .  .   .    .   .    . . .   .      .
  206.96   100.00  I.   .    .  .  .   .    .   .    . . .   .      .
  269.92   100.00  I.   .    .  .  .   .    .   .    . . .   .      .
  352.04   100.00  I.   .    .  .  .   .    .   .    . . .   .      .
  459.14   100.00  I.   .    .  .  .   .    .   .    . . .   .      .
   < PPM           I---I----I--I--I---I----I---I----I-I--I------I
```

DATA ANALYSIS FOR SR SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR SR



LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR SR



DATA ANALYSIS FOR TH SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR TH

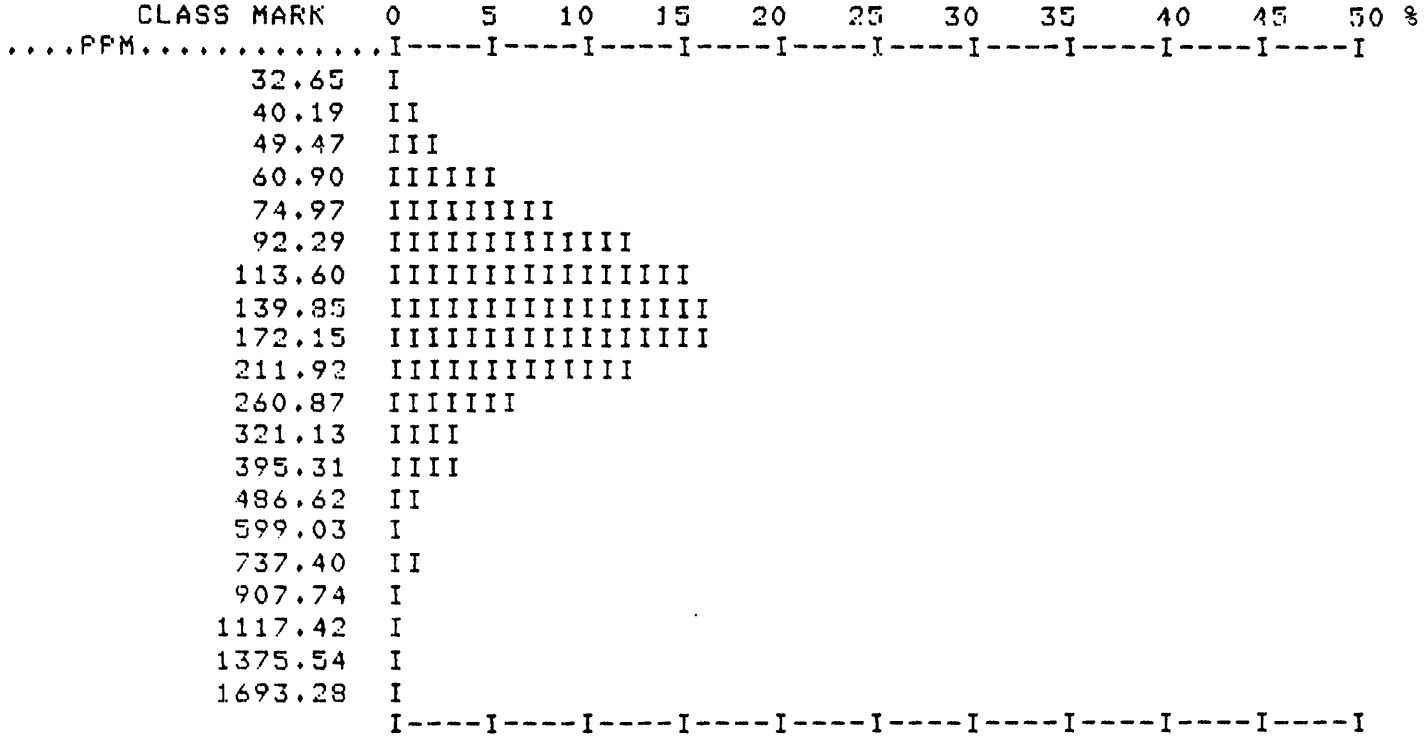
```
      CLASS MARK    0    5   10   15   20   25   30   35   40   45   50 %
....PPM.............I----I----I----I----I----I----I----I----I----I----I
             6.96  I
             8.63  I
            10.70  II
            13.26  IIII
            16.44  IIIIIIIIII
            20.39  IIIIIIIIIIIIII
            25.28  IIIIIIIIIIIIIIIIII
            31.34  IIIIIIIIIIIIIIII
            38.86  IIIIIIIIIIIII
            48.18  IIIIIIII
            59.74  IIIIII
            74.07  IIIIIII
            91.83  IIII
           113.86  II
           141.17  II
           175.03  I
           217.02  I
           269.07  I
           333.61  I
           413.63  I
                   I----I----I----I----I----I----I----I----I----I----I
```

LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR TH

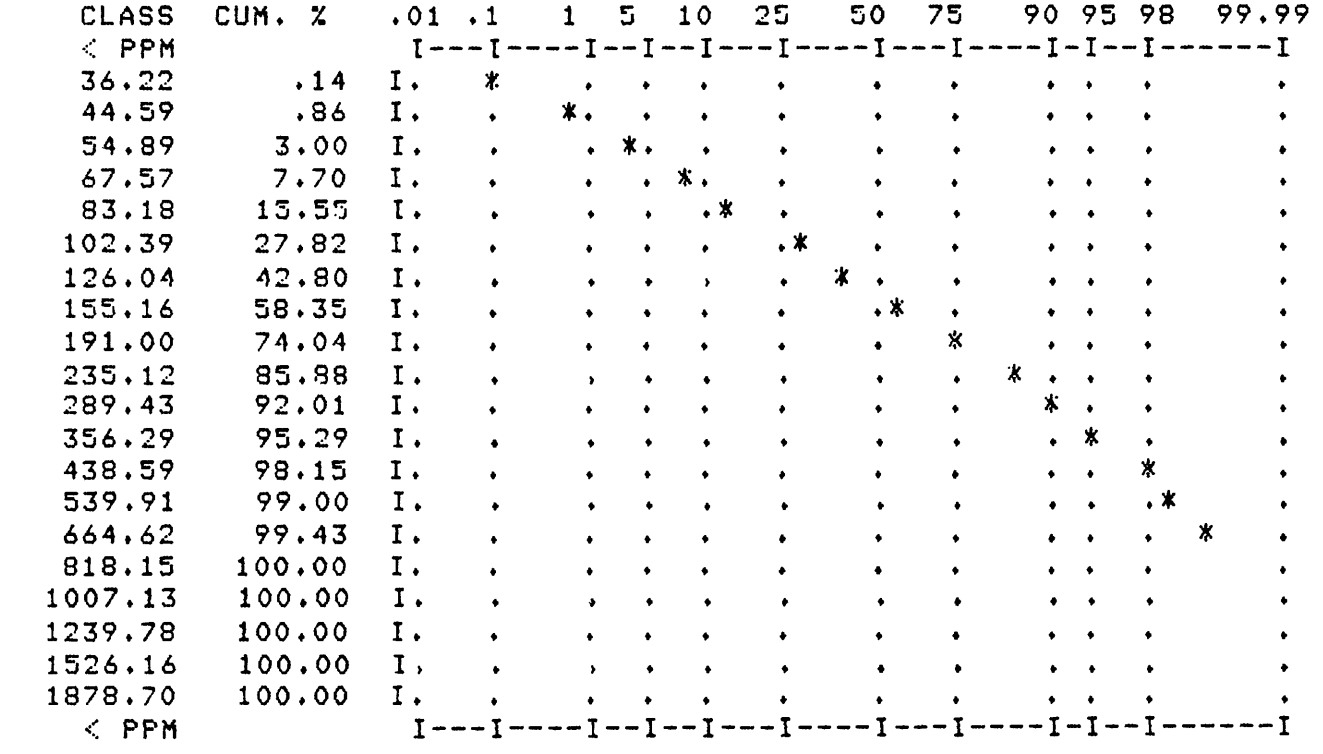
```
  CLASS  CUM. %    .01 .1   1  5  10  25   50  75   90 95 98  99.99
  < PPM             I---I----I--I--I---I----I---I----I-I--I------I
   7.75     0.00   I*   ,    .  .  .   ,    .   .    . . .       .
   9.61      .29   I.   . *  .  .  .   .    .   .    . . .       .
  11.91     1.28   I.   .    *  .  .   .    .   .    . . .       .
  14.77     4.42   I.   .    .  *  .   .    .   .    . . .       .
  18.31    14.84   I.   .    .  .  .*  .    .   .    . . .       .
  22.70    28.96   I.   .    .  .  .   .*   .   .    . . .       .
  28.15    47.08   I.   .    .  .  .   .    *.  .    . . .       .
  34.90    63.48   I.   .    .  .  .   .    .   *    . . .       .
  43.27    76.60   I.   .    .  .  .   .    .   .*   . . .       .
  53.65    84.02   I.   .    .  .  .   .    .   .  * . . .       .
  66.52    89.02   I.   .    .  .  .   .    .   .    *. .       .
  82.47    94.72   I.   .    .  .  .   .    *   .    . *  .      .
 102.26    97.43   I.   .    .  .  .   .    .   .    . .  *.     .
 126.78    98.86   I.   .    .  .  .   .    .   .    . .   .*    .
 157.19    99.43   I.   .    .  .  .   .    .   .    . .   .  *  .
 194.90    99.57   I.   .    .  .  .   .    .   .    . .   .  *  .
 241.65   100.00   I.   .    .  .  .   .    .   .    . . .       .
 299.61   100.00   I.   .    .  .  .   .    .   .    . . .       .
 371.47   100.00   I.   .    .  .  .   .    .   .    . . .       .
 460.58   100.00   I.   ,    .  .  .   .    .   .    . . .       .
  < PPM             I---I----I--I--I---I----I---I----I-I--I------I
```

DATA ANALYSIS FOR V SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR V



LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR V



DATA ANALYSIS FOR ZN SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR ZN

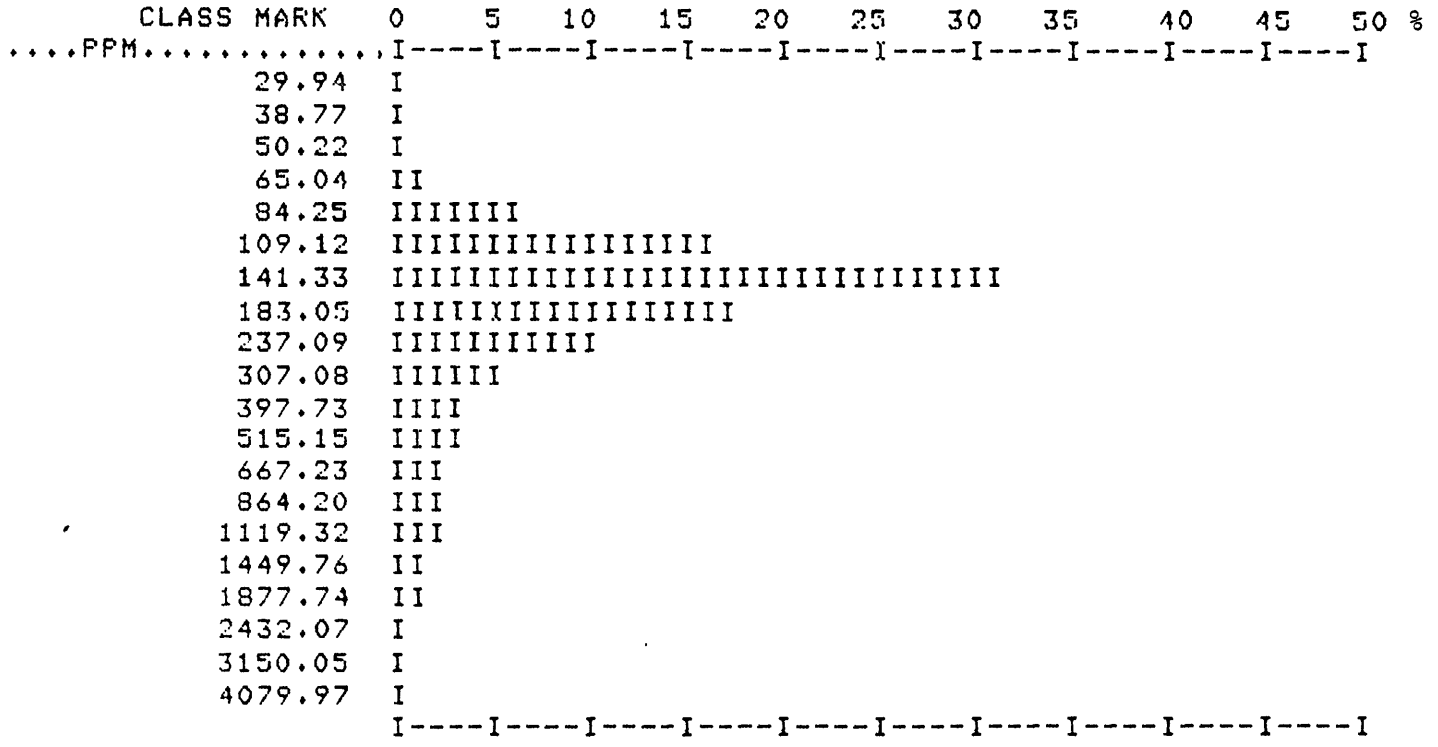
```
      CLASS MARK   0    5   10   15   20   25   30   35   40   45   50 %
....PPM.....I----I----I----I----I----I----I----I----I----I----I----I
           57.08  II
           64.21  II
           72.22  II
           81.23  IIIII
           91.37  IIIIIIII
          102.77  IIIIIIIIIII
          115.59  IIIIIIIIIIIIII
          130.02  IIIIIIIIIIIIIIIIIII
          146.24  IIIIIIIIIIIIIIIIII
          164.49  IIIIIIIIIIIII
          185.01  IIIIIIII
          208.10  IIII
          234.06  III
          263.27  II
          296.12  I
          333.07  I
          374.63  I
          421.38  I
          473.96  I
          533.10  I
                  I----I----I----I----I----I----I----I----I----I----I----I
```

LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR ZN

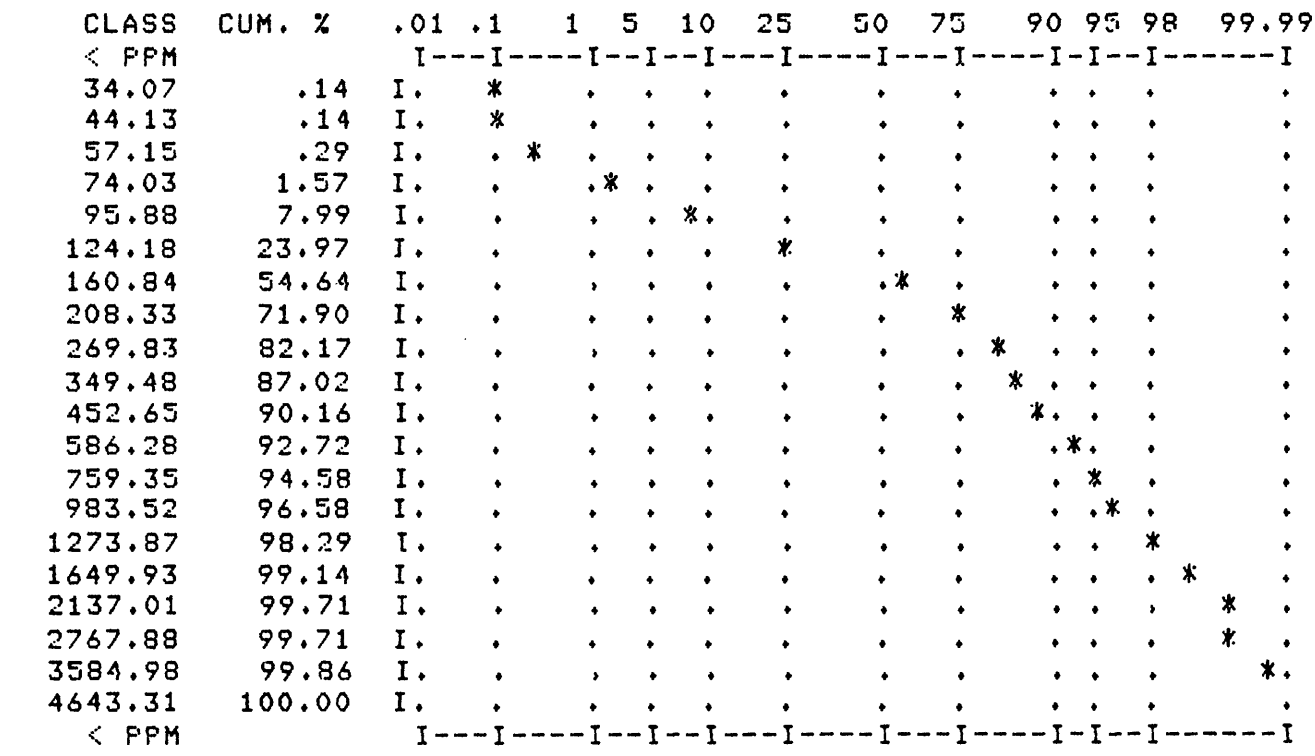
```
  CLASS  CUM. %   .01 .1   1  5  10  25   50  75   90 95 98  99.99
  < PPM            I---I----I--I--I---I----I---I----I-I--I------I
  60.54     1.14  I.   .    *  .  .   .    .   .    .  .  .       .
  68.10     2.57  I.   .   .*  .  .   .    .   .    .  .  .       .
  76.59     3.57  I.   .   . *. .   .    .   .    .  .  .       .
  86.15     7.70  I.   .   .  . *.  .    .   .    .  .  .       .
  96.90    14.41  I.   .   .  .  .*  .    .   .    .  .  .       .
 108.99    24.39  I.   .   .  .  .   *    .   .    .  .  .       .
 122.59    37.38  I.   .   .  .  .   .    *   .    .  .  .       .
 137.89    56.35  I.   .   .  .  .   .    .*  .    .  .  .       .
 155.09    74.47  I.   .   .  .  .   .    .   *    .  .  .       .
 174.45    87.73  I.   .   .  .  .   .    .   .    *. .  .       .
 196.21    94.29  I.   .   .  .  .   .    .   .    .*.  .       .
 220.70    97.29  I.   .   .  .  .   .    .   .    .  . *.      .
 248.24    98.86  I.   .   .  .  .   .    .   .    .  .  .*      .
 279.21    99.71  I.   .   .  .  .   .    .   .    .  .  .    *  .
 314.05    99.86  I.   .   .  .  .   .    .   .    .  .  .      *.
 353.24    99.86  I.   .   .  .  .   .    .   .    .  .  .      *.
 397.32    99.86  I.   .   .  .  .   .    .   .    .  .  .      *.
 446.90    99.86  I.   .   .  .  .   .    .   .    .  .  .      *.
 502.66   100.00  I.   .   .  .  .   .    .   .    .  .  .       .
 565.38   100.00  I.   .   .  .  .   .    .   .    .  .  .       .
  < PPM            I---I----I--I--I---I----I---I----I-I--I------I
```

DATA ANALYSIS FOR ZR SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR ZR

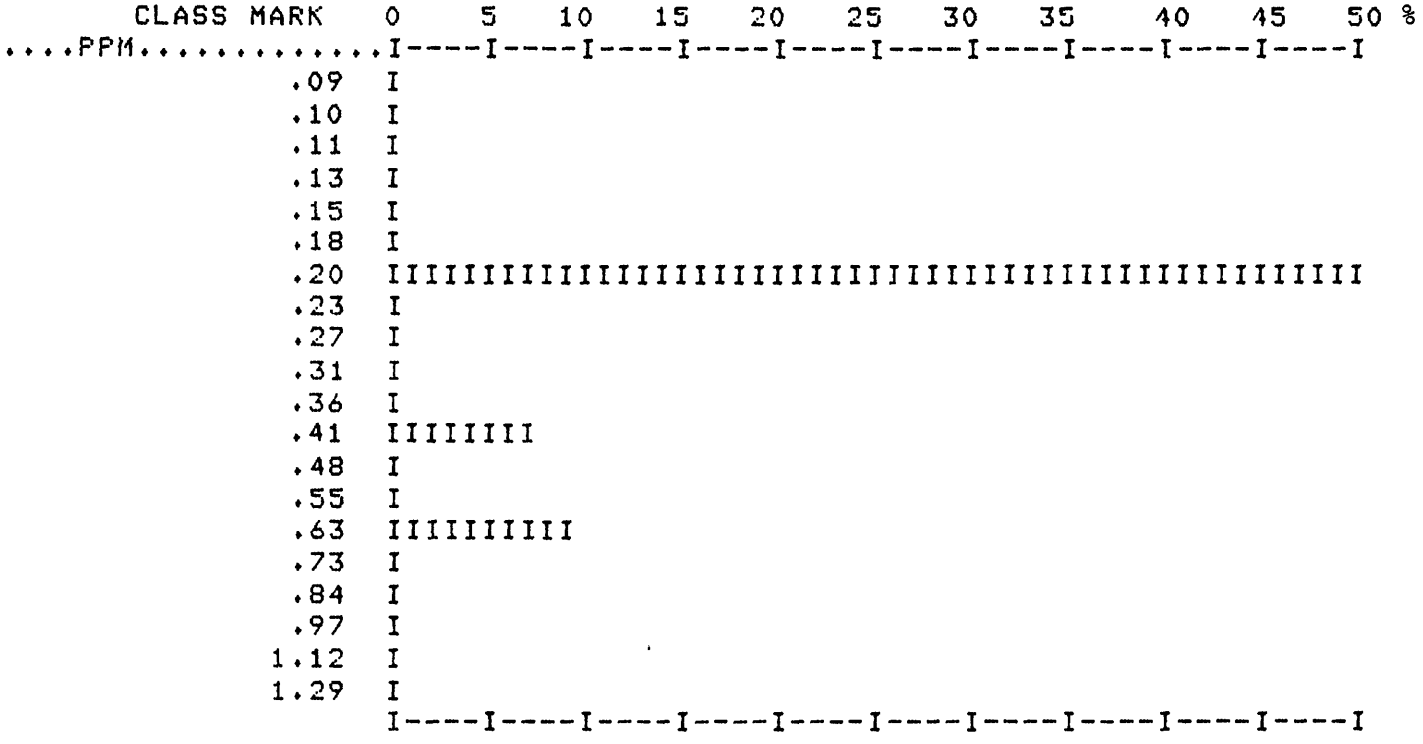


LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR ZR

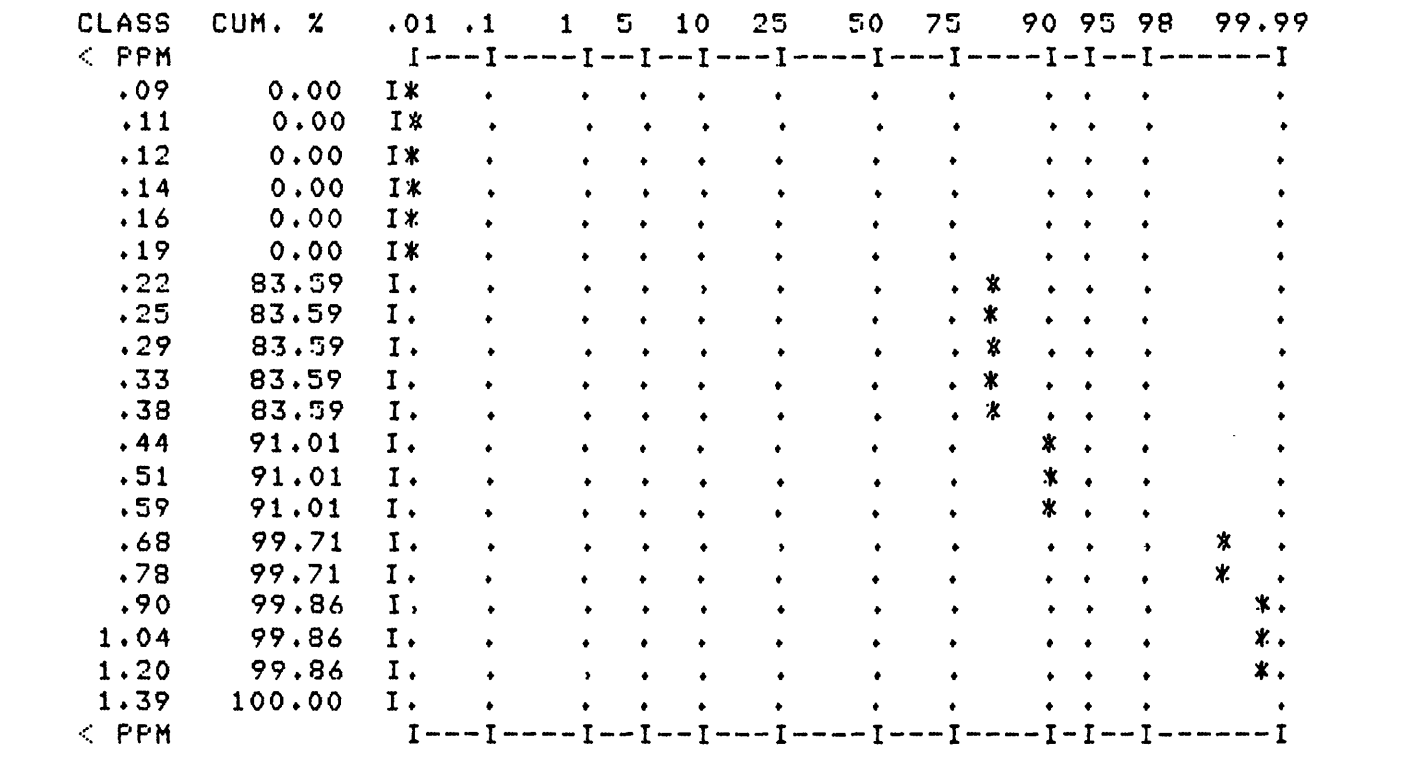


DATA ANALYSIS FOR AG SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR AG



LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR AG



DATA ANALYSIS FOR MO SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR MO

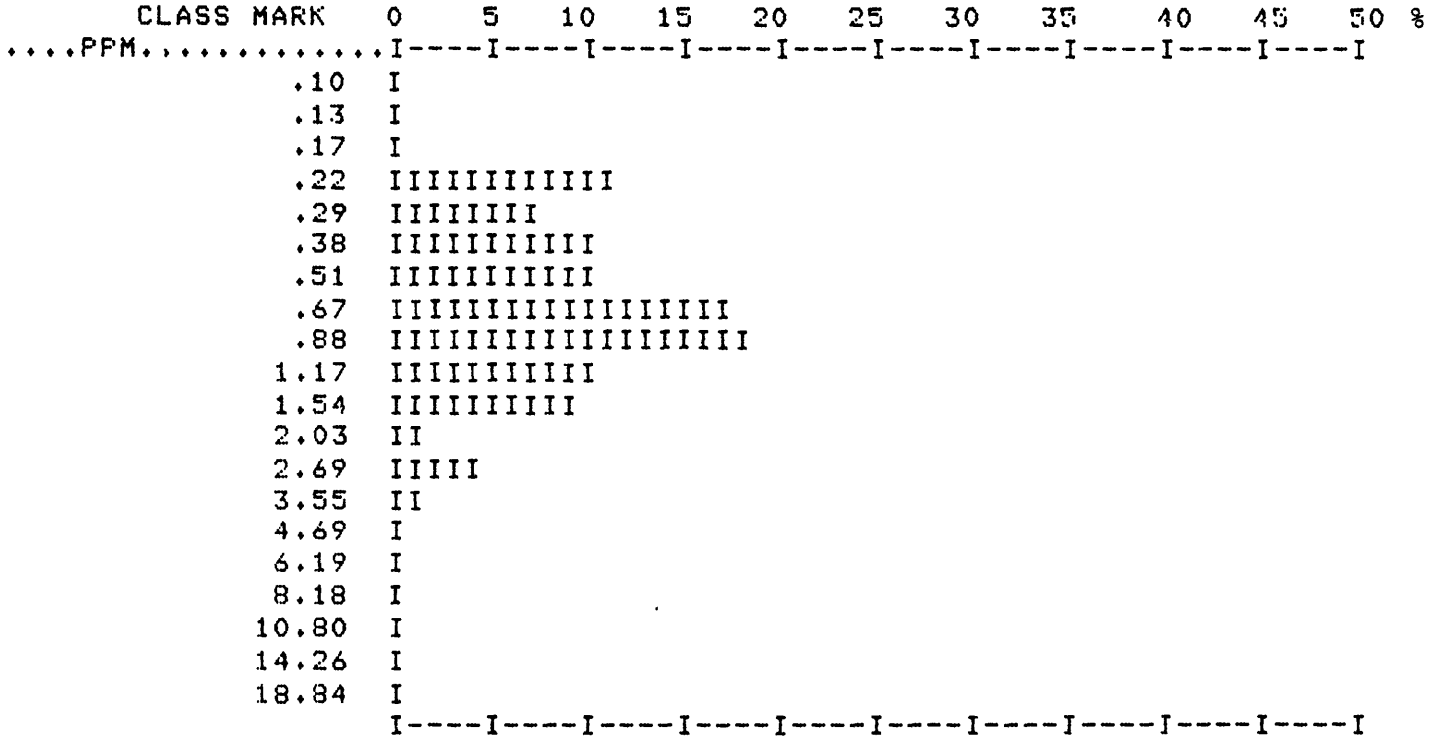
```
      CLASS MARK    0    5   10   15   20   25   30   35   40   45   50 %
....PPM.............I----I----I----I----I----I----I----I----I----I----I
             1.67   I
             1.91   II
             2.19   I
             2.52   I
             2.89   IIIIIIIIIIII
             3.32   I
             3.81   IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
             4.37   I
             5.01   IIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
             5.75   IIIIIIIII
             6.60   III
             7.58   II
             8.70   I
             9.98   I
            11.45   I
            13.14   I
            15.08   I
            17.31   I
            19.86   I
            22.79   I
                    I----I----I----I----I----I----I----I----I----I----I
```

LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR MO

```
   CLASS  CUM. %    .01 .1   1  5  10  25   50  75   90 95 98  99.99
   < PPM             I---I----I--I--I---I----I---I----I-I--I------I
    1.79      .14   I.   *    .  .  .   .    .   .    . .  .       .
    2.05     1.14   I.   .    *  .  .   .    .   .    . .  .       .
    2.35     1.14   I.   .    *  .  .   .    .   .    . .  .       .
    2.70     1.14   I.   .    *  .  .   .    .   .    . .  .       .
    3.10    13.55   I.   .    .  .  .*  .    .   .    . .  .       .
    3.55    13.55   I.   .    .  .  .*  .    .   .    . .  .       .
    4.08    55.21   I.   .    .  .  .   .    .*  .    . .  .       .
    4.68    55.21   I.   .    .  .  .   .    .*  .    . .  .       .
    5.37    87.73   I.   .    .  .  .   .    .   .   *. .  .       .
    6.16    95.44   I.   .    .  .  .   .    .   .    . *  .       .
    7.07    97.43   I.   .    .  .  .   .    .   .    . . *.       .
    8.12    98.43   I.   .    .  .  .   .    .   .    . .  .*      .
    9.31    98.57   I.   .    .  .  .   .    .   .    . .  .*      .
   10.69    99.00   I.   .    .  .  .   .    .   .    . .  .*      .
   12.27    99.43   I.   .    .  .  .   .    .   .    . .  .   *   .
   14.08    99.71   I.   .    .  .  .   .    .   .    . .  .    *  .
   16.16    99.86   I.   .    .  .  .   .    .   .    . .  .     *.
   18.54    99.86   I.   .    .  .  .   .    .   .    . .  .     *.
   21.28   100.00   I.   .    .  .  .   .    .   .    . .  .       .
   24.42   100.00   I.   .    .  .  .   .    .   .    . .  .       .
   < PPM             I---I----I--I--I---I----I---I----I-I--I------I
```

DATA ANALYSIS FOR U SAMPLE TYPE= STREAM SEDIMENT
NOTE: ALL DATA LOG(10) TRANSFORMED

FREQUENCY DISTRIBUTION HISTOGRAM FOR U



LOG PROBABILITY PLOT OF CUMULATIVE FREQUENCY DISTRIBUTION FOR U