

List of Geochemical Analysis (44)

Ser. No.	Sample No.	Location (km)	X-coord	Y-coord	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mb	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn	
					ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
2151	PN901	4810.055	1417.505		>	>	69	35	3274	35	10>	.26	2.39	961	>	.92	203	5	.020	15.60	84	.79	.4	>	94	
2152	PN902	4810.153	1416.563		>	>	87	25	600	71	10>	.33	1.45	1301	>	1.23	46	>	.024	9.80	100	.96	.2	>	86	
2153	PN903	4811.854	1414.998		>	>	37	37	1307	33	10>	.13	3.26	1118	>	.72	174	>	.032	12.20	68	1.01	.2	>	92	
2154	PN904	4812.784	1414.842		>	>	32	61	1511	45	11	.20	3.19	1498	>	.96	173	>	.034	11.20	92	.91	.2	>	128	
2155	PN905	4812.738	1414.981		>	>	47	52	1326	44	10>	.20	3.25	1376	>	1.30	222	>	.030	13.70	82	.97	.2	>	92	
2156	PN906	4814.033	1414.575		>	>	33	61	919	61	10>	.23	2.93	1606	>	1.32	139	>	.039	10.70	82	.99	.2	>	97	
2157	PN907	4814.438	1415.087		>	>	139	54	3394	32	10>	.22	2.63	1602	>	1.18	172	>	.030	16.30	89	1.21	.4	>	102	
2158	PN908	4812.327	1411.115		>	>	95	233	14151	39	40	.08	3.85	3292	>	.69	1361	>	.028	56.40	51	1.87	.6	>	200	
2160	PN910	4817.824	1411.063		>	>	73	31	980	17	10>	.24	1.20	637	>	.64	88	>	.026	9.00	59	.59	.6	>	57	
2161	PN911	4817.029	1410.901		>	>	437	58	553	54	10>	.35	2.51	1322	>	1.42	114	>	.034	16.00	105	1.02	.2	>	107	
2162	PN912	4816.254	1410.928		>	>	66	18	939	11	10>	.21	.75	363	>	.33	62	3	.019	4.60	40	.42	.8	>	34	
2163	PN913	4816.248	1410.000		>	>	367	53	572	47	10>	.34	2.71	1365	>	1.44	105	>	.038	10.80	109	1.16	.4	>	115	
2164	PN914	4816.163	1410.089		>	>	86	17	251	12	10>	.32	.89	1102	>	1.08	199	>	.014	5.00	28	.20	.8	>	30	
2165	PN915	4816.243	1410.089		>	>	112	58	349	75	13	.28	3.89	1102	>	1.14	164	>	.032	7.30	103	.72	.2	>	101	
2166	PN916	4812.623	1416.598		>	>	438	52	554	49	10>	.57	2.67	1116	>	1.14	164	>	.032	13.50	83	.92	.6	>	98	
2167	PN917	4812.687	1416.811		>	>	51	40	753	21	10>	.03	12.51	1804	>	.29	713	24	.029	8.20	70	.27	.4	>	109	
2168	PN918	4813.862	1418.626		>	>	111	90	1400	11	18	.03	12.51	1804	>	.24	566	>	.024	2.50	32	.57	.2	>	197	
2169	PN919	4813.499	1417.514		>	>	608	27	300	7	13	.27	2.90	631	>	2.10	73	>	.206	20>	221	.65	.8	>	62	
2170	PN920	4815.334	1415.984		>	>	340	67	895	10	17	.07	7.08	1336	>	1.43	254	>	.053	9.00	117	.67	.4	>	157	
2171	PN921	4815.622	1416.024		>	>	384	52	700	35	12	.21	2.88	859	>	1.64	152	>	.032	10.20	94	.94	.2	>	92	
2172	PN922	4816.139	1414.831		>	>	202	48	1469	32	12	.22	3.05	1211	>	1.16	207	4	.037	9.00	179	.95	.6	>	93	
2173	PN923	4816.418	1414.673		>	>	275	52	827	38	10>	.16	4.67	963	>	1.48	284	>	.052	6.50	112	.88	.2	>	103	
2174	PN924	4816.629	1414.049		>	>	214	62	922	46	10>	.11	13.05	1294	>	.88	1065	>	.030	20>	78	.39	.2	>	152	
2175	PN925	4815.771	1413.510		>	>	431	74	3231	49	11	.27	5.57	1287	>	1.44	462	>	.036	19.10	104	1.03	.2	>	137	
2176	PN926	4815.787	1413.342		>	>	352	117	4360	44	13	.15	7.06	1539	>	.72	1170	>	.063	3.20	65	.37	.2	>	129	
2177	PN927	4816.157	1412.936		>	>	678	64	1783	53	13	.28	4.50	2238	>	1.63	388	>	.042	12.60	116	1.03	.2	>	119	
2178	PN928	4817.166	1413.907		>	>	46	64	2156	69	12	.25	4.00	1181	>	1.48	239	>	.040	13.20	97	1.13	.2	>	124	
2179	PN929	4818.090	1414.040		>	>	18	83	548	70	11	.18	3.21	1775	>	1.58	121	>	.041	9.20	94	1.06	.2	>	110	
2180	PN930	4819.478	1412.637		>	>	10	59	352	67	12	.16	4.00	2000	>	1.26	153	>	.044	5.30	84	1.12	.2	>	93	
2181	PN931	4819.765	1410.386		>	>	10	33	279	26	12	.42	3.83	923	>	2.32	61	>	.162	6.20	116	1.08	.4	>	74	
2182	PN932	4819.159	1411.480		>	>	48	5	146	6	10>	.10	.19	67	>	.07	25	5	.011	20>	13	.19	1.0	>	12	
2183	PN933	4819.052	1410.944		>	>	41	84	392	65	17	.33	2.42	2878	>	.88	87	>	.029	4.20	98	.96	.2	>	80	
2184	PN934	4811.458	1410.685		>	>	55	18	993	14	10>	.18	.81	398	>	.45	68	>	.021	6.60	48	.47	.8	>	42	
2185	PN935	4815.591	1411.302		>	>	24	83	1460	24	21	.03	17.13	1169	>	1.10	1692	>	.022	20>	28	.23	.2	>	160	
2186	PN936	4815.625	1411.406		>	>	36	90	4908	17	18	.07	4.61	2284	>	.26	534	9	.023	30.40	36	2.93	.4	>	138	
2187	PN937	4812.772	1412.729		>	>	39	52	513	50	10>	.53	2.58	1386	>	1.52	138	>	.036	11.70	125	1.14	.4	>	108	
2188	PN938	4813.197	1413.480		>	>	40	58	707	45	11	.28	2.60	1209	>	1.08	98	>	.037	10.30	85	1.57	.4	>	122	
2189	PN939	4814.455	1413.343		>	>	49	76	472	59	18	.39	2.42	2634	>	1.30	113	>	.029	7.20	77	1.04	.2	>	87	
2190	PN940	4810.839	1416.343		>	>	41	63	327	70	22	.38	3.69	3310	>	1.36	136	>	.040	12.10	90	1.06	.2	>	116	
2191	PN941	4814.559	1413.396		>	>	28	65	420	71	20	.22	3.50	1519	>	1.33	115	>	.042	14.80	88	1.12	.2	>	111	
2192	PN942	4810.369	1418.394		>	>	104	52	1164	32	17	.54	3.07	893	>	1.52	221	>	.046	12.10	115	.66	.2	>	105	
2193	PN943	4811.688	1411.638		>	>	47	12	735	8	10>	.09	4.61	2809	>	.72	664	2	.014	3.00	44	.28	.4	>	26	
2194	PN944	4811.457	1402.444		>	>	33	124	2699	35	28	.09	4.61	2809	>	1.10	15	>	.029	15.80	41	1.76	.4	>	111	
2195	PN945	4812.976	1402.304		>	>	59	11	343	6	15	.16	.21	406	>	.10	33	4	.013	4.50	21	1.17	.8	>	34	
2196	PN946	4813.780	1401.078		>	>	73	11	422	10	10>	.27	.38	535	>	.31	24	8	.017	8.80	23	1.32	1.0	>	44	
2197	PN947	4812.630	1403.108		>	>	154	11	111	21	16	.70	.64	379	>	.25	16	5	.016	4.30	67	1.73	1.2	>	60	
2198	PN948	4812.862	1403.998		>	>	100	20	212	13	20	.28	.68	504	>	.29	40	4	.026	3.00	49	1.10	1.6	.2	>	62
2199	PN949	4812.937	1403.869		>	>	106	10	107	8	27	.29	.28	420	>	.19	15	8	.018	3.80	57	.71	.8	.2	>	38
2200	PN950	4814.072	1403.782		>	>	67	5	124	9	11	.22	.23	443	>	.26	12	>	.019	3.00	29	.89	.6	.2	>	41
					>	>	93	23	115	7	11	.31	.41	1434	>	.26	12	7	.019	5.00	50	1.72	1.0	.2	>	109

List of Geochemical Analysis (45)

Ser. No.	Sample No.	Location (km)	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mb ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
2201	PNH08	4814.053, 1403.678	1	>	100	16	150	6	10	.29	.36	1120	>	.31	11	>	.016	6.40	67	1.83	1.0	>	78
2202	PNH09	4812.320, 1403.624	1	>	160	28	131	21	44	.60	1.08	735	>	.41	27	5	.042	3.60	80	1.21	1.6	>	86
2203	PNH10	4814.216, 1405.726	1	>	72	7	162	4	72	.12	.29	685	>	.08	28	3	.013	6.70	19	1.30	1.0	>	29
2204	PNH11	4815.346, 1406.241	3	>	63	12	207	9	13	.20	.58	691	>	.07	56	6	.028	3.70	19	1.44	.8	>	28
2205	PNH12	4817.625, 1406.053	12	>	121	13	148	10	11	.42	.40	633	>	.35	17	2	.020	1.30	67	1.17	.6	>	54
2206	PNH13	4819.016, 1406.737	1	>	58	24	560	12	11	.17	4.26	444	>	.11	377	4	.017	5.50	23	.43	.8	>	55
2207	PNH14	4819.834, 1406.675	8	>	78	27	984	19	10	.26	2.50	703	>	.39	209	3	.025	12.90	30	.69	1.0	>	53
2208	PNH15	4818.962, 1406.906	3	>	64	24	551	15	10	.28	2.32	780	>	.39	114	3	.029	12.90	36	.95	.8	>	54
2209	PNH16	4819.732, 1403.632	4	>	110	14	105	11	10	.30	.61	432	>	.35	35	2	.021	5.60	80	.54	.8	>	46
2210	PNH17	4813.506, 1401.296	5	>	43	12	529	6	10	.12	3.13	460	>	.26	26	2	.011	3.90	15	1.01	.6	>	30
2211	PNH18	4813.620, 1409.422	1	>	24	55	2250	20	10	.15	3.13	2205	>	.44	152	2	.029	16.80	32	1.98	.4	>	90
2212	PNH19	4810.559, 1407.402	1	>	77	45	1576	16	44	.16	3.50	1312	>	.32	288	3	.032	18.20	68	1.55	1.4	>	129
2213	PNH20	4810.113, 1406.452	8	523	49	49	2014	8	32	.30	4.80	1230	>	.26	221	2	.032	19.80	29	1.22	.4	>	116
2214	PNH21	4819.099, 1402.135	1	>	79	21	223	7	43	.30	.70	1765	2	.19	35	2	.014	13.10	44	1.72	1.0	>	73
2215	PNH22	4819.346, 1400.724	11	>	94	5	190	10	52	.44	.78	278	2	.27	29	8	.027	9.10	68	.61	.8	>	39
2216	PNH23	4818.640, 1400.730	1	>	54	21	696	8	46	.07	1.10	1277	2	.17	76	2	.017	16.50	21	1.59	1.0	>	63
2217	PNH24	4818.214, 1401.437	9	>	61	11	82	12	16	.20	.20	346	2	.12	15	2	.014	5.60	26	.94	.8	>	33
2218	PNH25	4817.254, 1401.092	1	>	117	16	110	8	14	.42	.53	1096	1	.44	14	2	.021	10.50	73	1.93	.8	>	71
2219	PNH26	4816.561, 1401.766	8	>	112	10	115	12	12	.39	.35	326	1	.27	23	2	.012	7.20	55	.65	1.0	>	41
2220	PNH27	4817.875, 1409.781	3	>	41	2	179	5	10	.10	.15	69	>	.03	48	2	.023	26.80	38	2.88	.4	>	10
2221	PNH28	4819.269, 1407.970	1	>	16	59	1294	11	10	.04	2.33	2727	>	.73	185	2	.023	26.80	38	2.88	.4	>	125
2222	PNH29	4814.769, 1409.921	7	>	60	8	76	5	16	.09	.08	123	1	.07	13	2	.015	9.90	18	.27	.8	>	16
2223	PNH30	4812.624, 1409.907	1	>	20	24	1435	4	10	.04	1.33	883	>	.07	117	2	.014	13.20	12	1.79	.6	>	64
2224	PNH31	4814.117, 1409.936	16	>	33	13	523	7	10	.09	.54	387	2	.05	78	2	.015	2.10	11	.48	.6	>	24
2225	PNH32	4814.184, 1408.957	6	>	26	19	2100	3	10	.06	4.78	1019	>	.08	70	2	.015	15.10	12	1.80	.4	>	48
2226	PNH33	4814.861, 1408.695	14	>	27	14	1560	4	10	.04	4.6	728	>	.06	54	2	.013	11.00	10	1.26	.6	>	34
2227	PNH34	4814.556, 1407.352	14	>	37	18	837	6	11	.06	.98	517	>	.07	61	2	.016	8.00	13	.63	1.0	>	30
2228	PNH35	4817.339, 1407.280	12	>	131	11	180	18	31	.77	.55	269	1	.28	37	2	.016	7.00	43	.39	1.6	>	50
2229	PNH36	4817.334, 1407.141	4	>	192	17	98	23	31	1.03	.69	557	>	.37	46	2	.020	5.00	58	.95	1.4	>	63
2230	PNH37	4818.015, 1407.699	2	>	99	21	216	20	15	.47	1.26	595	>	.06	62	2	.016	6.00	15	.69	.8	>	36
2231	PNH38	4811.585, 1409.209	1	>	20	55	4682	5	11	.04	2.39	2214	>	.21	199	2	.023	32.70	22	2.69	.6	>	125
2232	PNH39	4812.917, 1407.661	21	>	126	27	387	22	28	.80	2.60	844	>	.23	189	2	.021	11.20	47	.50	1.4	>	83
2233	PNH40	4812.793, 1407.527	1	>	32	61	1055	6	10	.03	8.73	1245	>	.14	337	2	.020	8.90	20	.43	.2	>	150
2234	PNH41	4813.787, 1406.341	16	>	53	13	615	5	18	.06	.68	532	>	.06	62	2	.016	6.00	15	.69	.8	>	36
2235	PNH42	4814.419, 1406.164	2	>	60	11	311	3	16	.09	.98	1072	>	.06	34	2	.013	9.40	15	1.70	.8	>	36
2236	PNH43	4811.035, 1408.417	3	>	65	43	1081	11	15	.07	4.78	803	>	.30	232	2	.027	9.30	31	.68	.8	>	98
2237	PNH44	4810.669, 1405.026	4	>	64	13	92	6	19	.12	.15	474	>	.07	15	2	.050	2.50	19	.77	.8	>	33
2238	PNH45	4810.421, 1402.969	10	>	63	10	136	4	10	.10	.06	183	>	.19	61	6	.024	3.60	24	.51	.6	>	39
2239	PNH50	4812.451, 1398.802	13	>	111	10	394	11	13	.51	.46	657	>	.20	13	2	.016	2.70	36	1.26	1.4	>	60
2240	PNJ02	4812.510, 1398.936	6	1	117	16	1625	19	13	.58	.53	753	>	.15	249	20	.029	2.30	31	1.65	1.5	>	71
2241	PNJ03	4813.135, 1398.936	12	336	65	8	178	8	10	.17	.23	494	>	.13	20	7	.020	2.70	29	.90	.9	>	41
2242	PNJ04	4813.801, 1398.734	6	>	42	1	338	6	10	.05	.23	362	>	.06	31	5	.016	1.90	17	.86	1.0	>	31
2243	PNJ05	4813.917, 1398.799	1	>	124	31	259	20	45	.39	1.26	1315	>	.27	44	5	.045	5.10	61	1.78	1.4	>	133
2244	PNJ06	4814.100, 1399.193	17	>	66	9	163	4	10	.06	.23	799	>	.06	17	5	.017	1.40	24	1.31	1.0	>	60
2245	PNJ07	4813.813, 1397.225	16	>	73	3	181	8	11	.13	.20	370	>	.17	17	2	.017	.80	28	.82	1.5	>	56
2246	PNJ08	4813.963, 1397.068	1	>	105	9	95	9	10	.30	.85	503	>	.23	17	2	.021	.20	49	.88	.9	>	48
2247	PNJ09	4810.625, 1398.529	1	>	108	12	140	17	68	.55	1.13	206	>	.14	106	5	.021	2.40	37	.34	1.4	>	51
2248	PNJ10	4810.775, 1398.613	1	>	54	10	201	10	13	.17	2.31	243	>	.06	248	3	.019	3.10	21	.19	1.1	>	40
2249	PNJ11	4810.819, 1397.751	1	>	109	39	90	25	14	.15	.91	1347	>	.70	39	2	.017	5.30	81	1.41	.8	>	113
2250	PNJ12	4810.743, 1396.893	1	3150	126	12	122	12	82	.27	.25	762	>	.19	22	32	.023	1.70	40	.98	1.1	>	80

List of Geochemical Analysis (46)

Ser. No.	Sample No.	Location (km)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
		X-coord Y-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
2251	PNJ13	4810.912	1396.983	>	57	9	129	6	10>	.11	.27	814	>	.07	23	5	.018	>	20	1.04	1.4	>	45
2252	PNJ14	4810.689	1392.787	>	101	9	129	18	66	.35	.26	403	>	.19	28	7	.045	2.80	42	5.1	1.7	>	48
2253	PNJ15	4810.889	1392.887	>	95	13	334	11	137	.21	.35	910	>	.15	31	21	.024	5.90	39	1.51	1.1	>	61
2254	PNJ16	4811.499	1391.805	>	67	4	217	11	35	.17	.30	416	>	.10	23	19	.022	6.70	42	.68	.9	>	42
2255	PNJ17	4810.588	1390.500	>	167	8	103	24	20	.67	.47	695	2	.18	33	27	.036	4.40	45	.40	1.4	>	83
2256	PNJ18	4811.720	1390.209	>	81	8	293	11	14	.08	.17	381	>	.05	22	10	.026	4.50	22	1.00	1.1	>	40
2257	PNJ19	4811.566	1390.085	2	218	9	114	25	14	.65	.23	834	>	.09	21	48	.054	.80	37	.85	1.7	>	124
2258	PNJ20	4814.625	1395.566	>	63	8	215	10	14	.08	.24	368	>	.12	24	4	.018	2.40	30	.75	1.3	>	45
2259	PNJ21	4814.625	1395.622	>	57	16	2988	19	59	.05	.28	834	>	.02	36	21	.023	6.00	20	1.41	1.6	>	67
2260	PNJ22	4815.050	1394.194	>	164	19	240	22	45	.51	.74	503	>	.39	61	3	.046	3.70	79	.74	1.7	>	74
2261	PNJ23	4815.333	1392.559	>	96	20	569	14	23	.20	.46	753	>	.17	49	6	.216	4.50	43	1.56	1.7	>	56
2262	PNJ24	4815.112	1391.386	>	137	21	145	18	101	.39	.84	688	>	.31	36	5	.068	5.60	67	1.27	1.6	>	82
2263	PNJ25	4814.813	1391.251	>	130	23	135	28	45	.35	.71	622	>	.01>	28	13	.012	3.60	4	1.36	.8	>	31
2264	PNJ26	4816.726	1398.154	>	140	17	166	14	15	.54	.54	441	>	.31	81	6	.047	7.60	64	1.00	1.5	>	74
2265	PNJ27	4818.726	1398.154	>	118	2	118	2	10>	.01>	.07	153	>	.01>	19	11	.014	.40	4	.57	.6	>	55
2266	PNJ28	4818.366	1398.249	>	23	12	1302	3	12	.01>	.21	988	>	.01	24	24	.009	5.40	9	1.56	1.7	>	42
2267	PNJ29	4819.855	1398.659	>	26	12	44	5	21	.03	.25	391	>	.05	26	12	.018	5.60	20	1.20	1.3	>	31
2268	PNJ30	4819.454	1397.588	>	44	4	592	5	10>	.01>	.07	403	>	.01>	25	11	.019	3.00	5	1.08	.8	>	23
2269	PNJ31	4819.550	1397.337	>	53	5	1949	3	10>	.01>	.16	596	>	.03	31	30	.014	5.60	13	1.31	1.4	>	38
2270	PNJ32	4819.871	1397.303	>	41	10	1569	5	10>	.01>	.20	905	>	.03	31	10	.017	5.20	16	1.35	1.3	>	39
2271	PNJ33	4819.871	1397.303	>	84	16	214	30	15	.27	.79	530	>	.50	41	10	.033	7.30	98	.54	.8	>	49
2272	PNJ34	4815.745	1395.720	>	70	8	803	8	15	.07	.45	583	>	.14	67	10	.019	8.50	40	.79	1.0	>	45
2273	PNJ35	4815.850	1394.503	>	75	16	1417	6	15	.11	.60	772	>	.12	58	7	.019	7.00	42	1.34	1.3	>	64
2274	PNJ36	4817.675	1394.678	>	42	8	430	9	11	.04	.59	320	>	.08	89	5	.020	3.60	27	1.73	1.0	>	32
2275	PNJ37	4817.745	1394.594	>	54	11	761	8	11	.06	.49	508	>	.05	54	6	.031	5.40	23	1.23	1.1	>	38
2276	PNJ38	4817.946	1392.999	>	45	10	318	14	13	.06	1.32	300	>	.02	46	5	.023	6.00	54	.42	.9	>	36
2277	PNJ39	4816.946	1392.999	>	28	13	2876	5	10>	.01>	.32	537	>	.03	43	12	.013	6.00	13	1.31	2.2	>	52
2278	PNJ40	4818.517	1394.361	>	33	6	412	14	10>	.01	.35	202	>	.03	43	9	.017	4.70	20	.60	1.7	>	29
2279	PNJ41	4816.821	1391.806	>	37	6	402	8	10>	.01>	.23	311	>	.04	60	8	.019	3.90	21	1.32	2.0	>	25
2280	PNJ42	4816.950	1390.828	>	31	13	1579	7	24	.01>	.19	727	>	.01	45	18	.013	2.40	11	1.32	2.0	>	49
2281	PNJ43	4817.096	1390.807	>	22	6	583	6	14	.01>	.13	202	>	.02	67	12	.022	5.70	14	.51	1.4	>	22
2282	PNJ44	4817.698	1391.470	>	33	6	583	6	14	.01>	.13	202	>	.02	67	12	.022	5.70	14	.51	1.4	>	22
2283	PNJ45	4819.775	1391.073	>	33	10	443	11	10>	.01>	.30	499	>	.06	36	3	.020	7.50	29	.68	.9	>	29
2284	PNJ46	4811.907	1394.650	>	47	14	419	13	10>	.07	3.04	477	>	.12	312	9	.024	6.30	40	.95	1.2	>	53
2285	PNJ47	4811.528	1395.654	>	65	12	376	4	25	.08	.28	1317	>	.06	60	28	.015	3.90	21	1.49	1.3	>	73
2286	PNJ48	4811.127	1394.465	>	147	12	123	23	26	.73	.46	255	>	.39	89	4	.057	5.10	62	.40	1.6	>	53
2287	PNJ49	4811.398	1394.412	>	60	13	383	4	139	.11	.28	1119	>	.05	41	30	.020	5.50	21	1.75	1.2	>	52
2288	PNJ50	4811.958	1395.828	>	33	13	1901	3	10	.01>	.21	741	>	.01	39	30	.015	2.90	8	1.70	3.4	>	45
2289	PNJ51	4811.394	1396.748	>	39	9	400	12	10>	.08	.98	416	>	.08	122	14	.027	7.10	35	.81	1.3	>	33
2290	PNJ52	4813.215	1397.632	>	42	6	720	9	14	.19	.25	325	>	.02	46	7	.017	3.80	12	.65	1.3	>	35
2291	PNJ53	4812.291	1399.940	>	71	6	170	9	14	.19	.25	325	>	.17	28	4	.021	4.00	28	.45	1.1	>	32
2292	PNJ54	4816.679	1398.792	>	21	1>	204	2	10>	.01>	.04	130	>	.01>	27	10	.015	3.60	4	.48	1.6	>	9
2293	PNJ55	4815.948	1398.761	>	15	16	147	1>	10>	.01>	.22	1600	>	.01>	24	8	.010	1.50	4	2.40	1.4	>	57
2294	PNK01	4811.814	1387.249	>	104	19	115	42	22	.14	.30	1063	>	.05	24	19	.030	1.80	31	.61	1.2	>	103
2295	PNK02	4810.410	1387.507	>	40	2	267	4	10>	.01>	.07	234	>	.01>	15	8	.010	4.20	10	.73	1.7	>	17
2296	PNK03	4810.410	1386.519	>	61	9	79	31	27	.05	.20	497	>	.03	12	11	.047	3.80	23	.65	1.2	>	81
2297	PNK04	4813.968	1389.950	>	27	4	165	3	10>	.01>	.06	182	>	.01	12	5	.268	3.80	8	.56	.6	>	13
2298	PNK05	4815.707	1389.821	>	40	21	975	7	10>	.01>	.38	1026	>	.02	40	7	.014	4.00	16	1.89	2.0	>	63
2299	PNK06	4816.682	1389.891	>	31	5	343	5	10>	.01>	.15	395	>	.01	24	8	.018	4.00	12	.93	1.3	>	35
2300	PNK07	4816.747	1389.811	>	25	5	355	4	10>	.01>	.19	211	>	.01	157	3	.016	4.30	11	.61	1.5	>	16

List of Geochemical Analysis (47)

Ser. No.	Sample No.	Location (km)	As	Al	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Nb	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
		X-coord Y-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
2301	PNK08	4816.611 1387.691	>	>	29	11	1088	1	10>	.01>	.17	893	>	.01>	22	15	.041	3.30	7	2.52	3.4	>	48
2302	PNK09	4816.562 1387.622	13	>	29	6	231	6	10>	.01>	.08	157	>	.01	16	4	.028	3.00	9	.53	1.9	>	16
2303	PNK10	4819.036 1389.886	4	>	30	6	313	5	10>	.01>	.24	376	>	.04	55	3	.020	5.00	20	1.05	1.8	>	28
2304	PNK11	4819.136 1389.906	>	>	29	5	265	5	10>	.01>	.19	337	>	.01	32	6	.017	3.10	11	.97	1.4	>	22
2305	PNK12	4819.391 1388.565	>	>	30	9	695	5	10>	.01>	.12	849	>	.01	43	3	.014	1.80	8	1.36	3.7	>	40
2306	PNK13	4819.480 1388.495	>	>	33	4	245	5	10>	.01>	.09	313	>	.01	23	3	.015	3.30	9	.86	1.2	>	18
2307	PNK14	4818.721 1387.929	673	>	34	6	506	3	10>	.01>	.11	776	>	.01>	18	5	.015	1.80	10	1.75	2.0	>	34
2308	PNK15	4818.780 1387.850	910	>	29	6	755	3	10>	.01>	.10	787	>	.01>	18	8	.016	2.70	8	2.19	2.8	>	26
2309	PNK16	4817.631 1387.135	7	>	84	3	223	19	33	.34	.23	5	20	.11	31	3	.304	1.60	25	.52	4.0	>	34
2310	PNK17	4818.840 1387.150	>	>	33	3	388	4	10>	.01>	.06	309	>	.01>	29	3	.019	2.70	10	.88	1.3	>	26
2311	PNK18	4810.490 1380.601	21	>	53	1	408	44	72	.10	.27	50	4	.04	136	15	.107	4.40	30	.37	2.3	>	50
2312	PNK19	4811.734 1380.874	>	>	31	>	489	5	10>	.01>	.09	50	>	.01	301	3	.020	2.60	13	.19	1.3	>	10
2313	PNK20	4812.898 1384.389	4	>	34	>	187	9	12	.05	.13	23	>	.11	19	43	.083	.20>	14	.31	2.3	>	18
2314	PNK21	4812.954 1388.635	>	>	28	>	246	5	10>	.01>	.06	207	>	.02	13	10	.101	2.10	10	.59	1.4	>	14
2315	PNK22	4812.963 1388.853	>	>	91	9	454	8	266	.14	.14	681	>	.04	77	19	.237	3.00	20	1.49	2.2	>	57
2316	PNK23	4819.090 1389.270	4	>	32	11	1097	6	10>	.04	.18	819	>	.03	19	5	.012	13.30	17	2.08	1.6	>	39
2317	PNK24	4818.996 1387.741	4	>	35	4	274	5	10>	.03	.02	218	>	.01>	20	2	.014	4.40	8	.54	1.0	>	13
2318	PNK25	4810.850 1389.047	11	>	37	3	505	5	13	.03	.14	810	>	.01>	34	11	.022	5.40	16	1.04	1.0	>	33
2319	PNK26	4810.595 1388.466	23	2	52	4	161	13	10>	.11	.11	348	>	.02	19	15	.031	6.40	18	.58	.8	>	31
2320	PNK27	4810.850 1387.587	21	103	43	3	205	10	14	.10	.07	123	>	.01	16	8	.021	4.80	18	.47	1.0	>	22
2321	PNK28	4811.564 1384.901	19	>	34	2	116	9	10>	.10	.17	4	>	.04	14	28	.016	4.20	24	.25	1.2	>	14
2322	PNK29	4814.672 1381.519	22	>	63	9	118	19	50	.25	.71	13	3	.21	21	3	.036	8.00	65	.35	2.2	>	39
2323	PNK30	4810.415 1381.872	18	>	57	10	168	10	46	.05	.18	145	>	.03	18	10	.509	1.40	38	.70	3.4	>	27
2324	PNK31	4810.205 1379.861	>	>	59	1	201	4	16	.03	.02	13	3	.03	9	3	.018	3.20	10	.29	1.2	>	8
2325	PP#01	4810.370 1377.587	3	>	59	1	163	11	31	.16	.12	82	>	.03	22	18	.175	14.80	34	.83	3.7	>	19
2326	PP#02	4824.083 1410.482	>	>	99	46	982	65	10>	1.16	3.21	1657	>	.85	215	2>	.033	14.80	76	.70	1.4	>	91
2327	PP#03	4823.075 1410.986	>	>	58	36	4974	31	10>	.20	2.34	724	>	1.16	168	2>	.023	29.20	84	.54	.6	>	84
2328	PP#04	4826.359 1410.090	>	>	80	59	19479	13	10>	.20	1.69	1309	>	.65	139	3	.018	9.10	48	.96	1.0	>	215
2329	PP#05	4820.990 1410.310	>	>	85	31	175	27	10>	.54	1.09	727	>	.64	51	3	.018	9.10	48	.51	1.0	>	52
2330	PP#06	4820.309 1410.125	>	>	64	13	145	14	10>	.19	.52	229	>	.43	32	2>	.035	5.20	39	.33	.8	>	27
2331	PP#07	4820.082 1411.078	>	>	50	24	436	16	10>	.08	.63	606	>	.30	55	2>	.017	4.40	38	.37	.6	>	33
2332	PP#08	4822.283 1406.123	>	>	36	29	864	12	10>	.13	.66	864	>	.09	76	2>	.013	14.90	20	1.48	1.0	>	80
2333	PP#09	4822.258 1405.969	>	>	57	11	538	6	10>	.19	1.96	313	>	.38	181	2>	.013	6.00	31	.23	.8	>	42
2334	PP#10	4821.587 1408.383	>	>	51	19	435	37	10>	.20	1.93	726	>	.60	66	2>	.025	5.20	60	.41	.8	>	39
2335	PP#11	4821.523 1408.475	>	>	55	10	2151	7	10>	.09	.35	641	>	.13	36	2>	.011	18.00	25	.98	1.0	>	54
2336	PP#12	4823.623 1408.475	>	>	88	16	491	10	10>	.16	.59	1041	>	.20	59	7	.013	20.40	38	1.40	1.0	>	72
2337	PP#13	4824.626 1408.005	>	>	139	34	5264	19	10>	.55	.90	1767	>	.40	93	3	.013	33.60	68	2.65	1.4	>	167
2338	PP#14	4823.730 1405.342	>	>	64	19	5861	12	10>	.23	1.43	740	>	.24	146	2>	.012	33.90	28	1.02	1.0	>	76
2339	PP#15	4823.702 1404.845	>	>	88	16	491	10	10>	.12	.64	601	>	.23	68	2>	.016	10.50	45	1.16	1.0	>	46
2340	PP#16	4821.989 1403.764	>	>	48	15	595	9	10>	.24	1.67	387	>	.06	188	2>	.011	5.60	15	.40	.8	>	39
2341	PP#17	4821.571 1400.063	>	>	37	16	937	5	10>	.03	.17	1573	>	.02	15	10	.003	18.70	10	2.28	1.2	>	66
2342	PP#18	4823.245 1400.063	>	>	35	5	207	4	10>	.01	.02	414	>	.05	12	4	.008	3.90	5	.94	.6	>	15
2343	PP#19	4823.632 1400.853	>	>	74	14	119	8	10>	.04	.09	296	>	.01	16	4	.005	18.10	8	2.14	1.0	>	25
2344	PP#20	4820.743 1400.037	>	>	35	11	763	5	287	.04	.16	1495	>	.01	21	3	.009	13.30	5	1.90	.6	>	56
2345	PP#21	4820.807 1400.146	>	>	33	10	525	5	60	.03	.10	1121	>	.01	26	11	.012	7.30	7	1.06	.8	>	43
2346	PP#22	4821.520 1400.232	>	>	43	6	298	4	10>	.01>	.04	407	>	.01>	46	13	.011	8.60	3	1.47	.8	>	21
2347	PP#23	4820.361 1401.148	>	>	19	8	381	4	10>	.03	.02	602	>	.01>	11	9	.006	17.50	5	2.89	.6	>	19
2348	PP#24	4820.210 1401.535	>	>	29	13	504	4	10>	.03	.15	1292	>	.01	11	9	.006	17.50	5	2.89	.6	>	46
2349	PP#25	4820.857 1402.222	>	>	32	1	313	6	31	.14	.11	363	>	.01>	12	4	.013	6.60	5	1.10	1.0	>	20

List of Geochemical Analysis (48)

Ser. No.	Sample No.	Location (km)	X-coord	Y-coord	As	Au	Ba	Co	Cr	Cu	Hg	K	Ms	Mn	Mo	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn	
					ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
2351	PPH20	4821.011	1402.529		1	2170	25	11	766	6	10	.03	.13	1408	1	.03	17	5	.008	21.80	11	3.04	1.2		46	
2352	PPH21	4822.855	1402.311		1	1	70	13	877	13	10	.25	.29	1124	1	.08	17	5	.011	20.10	20	1.67	.8		50	
2353	PPH22	4824.704	1402.877		1	1	109	11	170	17	10	.59	.41	393	2	.10	31	3	.013	3.80	28	.35	1.8		43	
2354	PPH23	4825.864	1405.144		1	1	56	14	965	1	10	.10	.27	918	1	.11	47	4	.019	15.30	22	1.77	1.0		40	
2355	PPH24	4827.819	1404.995		1	1	29	51	1761	3	21	.04	.78	4050	4	.05	104	12	.094	119.30	14	5.53	3.0		185	
2356	PPH25	4821.551	1403.663		1	1	134	14	102	13	15	.42	.52	635	2	.43	21	6	.020	6.80	93	.75	.8		61	
2357	PPH26	4822.511	1402.494		1	1545	37	11	924	6	10	.06	.15	1211	1	.02	16	7	.009	26.50	11	3.00	1.2		43	
2358	PPH27	4822.557	1402.216		1	5800	50	12	1154	12	19	.14	.25	1092	3	.08	19	5	.013	19.80	21	2.40	1.2		70	
2359	PPH28	4825.847	1402.303		1	1	66	13	154	15	10	.10	.30	442	1	.11	18	5	.013	1.40	21	.33	1.0		31	
2360	PPH29	4820.084	1404.017		1	1	74	7	108	7	10	.14	.13	227	2	.13	21	2	.015	1.90	32	.33	.6		25	
2361	PPH30	4820.846	1404.833		1	1	93	13	242	9	10	.22	.25	938	1	.23	56	2	.021	9.10	53	1.25	.8		72	
2362	PPH31	4821.790	1405.968		1	1	61	8	367	5	10	.09	.26	484	1	.14	74	13	.017	5.70	22	.82	1.0		27	
2363	PPH32	4820.772	1406.000		1	1	79	8	321	10	13	.22	.39	354	1	.14	104	3	.024	6.00	34	.48	1.0		31	
2364	PPH33	4826.410	1402.285		1	1	55	23	255	22	15	.18	.34	817	1	.05	34	2	.014	6.90	15	.40	.6		38	
2365	PPH34	4826.536	1403.591		1	1	65	2	283	5	10	.04	.07	173	2	.18	13	9	.047	3.50	13	.52	1.0		11	
2366	PPH35	4829.773	1403.068		1	1	66	3	313	4	12	.03	.06	186	2	.17	18	3	.062	2.70	14	.53	.8		10	
2367	PPH36	4826.217	1403.461		1	1	48	5	547	5	12	.06	.07	258	1	.02	15	4	.010	3.30	11	.40	1.0		15	
2368	PPH37	4824.538	1405.622		1	1	59	14	940	9	93	.13	.58	714	1	.16	79	2	.019	8.70	27	.85	1.2		40	
2369	PPH38	4824.442	1405.736		1	1	72	25	460	8	10	.14	.68	1310	1	.18	148	8	.020	35.60	32	2.20	1.2		80	
2370	PPH39	4824.525	1404.336		1	1	50	5	808	8	10	.09	.10	158	1	.06	89	4	.018	4.80	13	.21	1.0		19	
2371	PPH40	4823.479	1408.266		1	1	55	29	1238	15	10	.22	2.71	711	1	.64	259	7	.016	10.50	45	.33	.8		57	
2372	PPH41	4823.884	1409.518		1	1	205	25	153	15	10	.81	.82	922	1	.46	59	7	.018	13.50	101	1.53	1.4		86	
2373	PPH42	4824.762	1409.630		1	1	82	10	258	14	10	.89	.52	288	1	.27	59	10	.016	1.10	30	.22	1.0		35	
2374	PPH43	4825.095	1409.844		1	1	66	24	7041	13	10	.27	.94	304	1	.36	149	2	.023	30.10	30	.25	.8		74	
2375	PPH44	4825.105	1407.729		1	1	268	46	1933	25	13	.72	.83	1904	4	.52	170	2	.023	30.10	131	1.97	1.0		236	
2376	PPH45	4825.650	1407.199		1	1	54	20	4235	7	10	.08	.35	1057	1	.05	47	3	.012	31.10	18	2.36	1.0		68	
2377	PPH46	4826.421	1407.841		1	1	125	34	10230	9	10	.18	.68	1322	3	.29	75	2	.014	60.00	70	1.98	.8		175	
2378	PPH47	4827.046	1406.929		1	1	59	14	4076	7	10	.08	.48	1089	1	.22	45	2	.015	27.80	27	2.34	.8		82	
2379	PPH48	4822.214	1409.479		1	1	56	65	563	39	13	.88	4.58	2012	1	.10	233	2	.033	11.00	76	.92	.2		86	
2380	PPH49	4820.210	1399.618		1	1	34	3	555	4	16	.01	.10	771	1	.01	26	9	.017	1.70	7	1.61	1.3		35	
2381	PPH50	4820.160	1399.528		1	1	34	2	173	7	12	.01	.16	400	1	.02	19	5	.016	.30	11	.93	1.0		26	
2382	PPH51	4821.159	1398.465		1	1	43	33	7341	1	10	.01	.50	3501	1	.04	40	18	.018	21.10	16	4.54	2.6		137	
2383	PPH52	4820.634	1398.520		1	1	25	1	320	2	10	.01	.06	410	1	.01	13	13	.016	1.70	6	1.19	2.0		18	
2384	PPH53	4820.769	1398.257		1	1	22	6	808	6	21	.01	.09	1410	1	.01	17	26	.017	2.70	5	3.39	2.9		33	
2385	PPH54	4822.778	1398.807		1	1	76	7	225	4	16	.01	.09	1059	1	.03	24	5	.021	2.70	15	.53	1.1		17	
2386	PPH55	4822.803	1398.618		1	1	63	12	556	1	10	.01	.18	1126	1	.04	17	4	.017	1.80	18	2.59	1.2		38	
2387	PPH56	4823.603	1398.737		1	1	106	16	164	20	39	.13	.50	646	1	.14	22	2	.044	.20	41	.64	1.2		61	
2388	PPH57	4824.627	1398.349		1	1	77	7	882	8	18	.02	.24	762	1	.06	447	7	.025	1.40	24	1.13	1.4		35	
2389	PPH58	4824.722	1398.245		1	1	88	32	246	19	25	.11	1.16	1670	1	.13	29	2	.055	5.40	40	.94	1.0		82	
2390	PPH59	4825.637	1399.322		1	1	66	11	396	3	10	.01	.23	1085	1	.04	59	9	.031	2.60	18	2.78	1.0		43	
2391	PPH60	4825.932	1399.227		1	1	69	11	661	3	13	.01	.22	993	1	.04	29	21	.033	1.60	13	1.95	1.1		40	
2392	PPH61	4826.007	1399.843		1	1	55	9	365	3	16	.02	.19	969	1	.03	45	25	.016	3.10	12	2.68	1.7		39	
2393	PPH62	4826.926	1398.447		1	1	61	4	158	6	11	.01	.06	427	1	.03	15	2	.019	.20	9	.55	.9		13	
2394	PPH63	4827.435	1397.275		1	1	119	32	137	34	53	.04	.49	1739	1	.08	68	2	.027	.20	38	.97	1.0		55	
2395	PPH64	4828.615	1398.491		1	1	88	12	116	8	23	.01	.12	360	1	.02	14	2	.026	1.70	16	.45	.8		208	
2396	PPH65	4823.223	1397.749		1	8560	58	21	1834	10	65	.04	.42	1719	1	.06	23	5	.031	7.00	21	2.86	1.4		108	
2397	PPH66	4821.877	1397.055		1	5440	64	25	2314	11	38	.07	.55	1761	1	.08	23	5	.039	2.70	28	2.83	1.3		92	
2398	PPH67	4823.322	1397.689		1	1	64	7	301	16	18	.09	.30	773	1	.08	56	2	.023	.20	23	.94	1.0		43	
2399	PPH68	4825.566	1397.465		1	1	54	13	136	12	30	.03	.25	743	1	.08	30	2	.023	.20	33	.72	.7		36	
2400	PPH69	4826.235	1397.499		1	1	108	6	149	22	24	.25	.61	416	1	.29	39	2	.032	3.20	110	.48	.9		40	

List of Geochemical Analysis (49)

Ser. No.	Sample No.	Location (km)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
		X-coord Y-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
2401	PPJ22	4828.529 1397.011	1	1	93	21	223	18	37	.02	.19	3252	1	.02	100	2	.026	3.30	23	.48	1.2		40
2402	PPJ23	4823.875 1393.359	1	1	136	30	67	59	31	.32	.93	591	1	.26	18	2	.159	1.30	54	.94	.5		98
2403	PPJ24	4820.553 1395.884	1	1	115	21	181	37	47	.21	1.60	918	1	.38	96	2	.059	4.80	95	.83	.6		89
2404	PPJ25	4820.862 1395.099	1	1	108	31	86	39	115	.12	1.06	1390	1	.33	20	2	.074	1.20	84	1.26	.6		106
2405	PPJ26	4821.466 1394.284	1	1	159	48	166	49	55	.16	1.16	1353	1	.68	102	2	.054	3.80	137	1.09	.6		112
2406	PPJ27	4821.602 1394.324	2	1	348	34	1323	47	49	.17	1.03	896	1	.38	334	101	.120	2.40	87	.82	.6		115
2407	PPJ28	4823.126 1396.230	1	1	153	23	144	29	25	.40	1.08	908	1	.42	35	2	.030	6.90	116	1.18	1.0		78
2408	PPJ29	4822.565 1393.638	1	1	139	33	72	39	37	.21	1.16	921	1	.47	23	3	.178	8.90	92	1.00	.5		121
2409	PPJ30	4822.610 1393.738	1	1	148	37	55	46	48	.15	.83	1199	1	.43	20	2	.035	4.50	91	.87	.4		98
2410	PPJ31	4823.960 1393.449	1	1	94	51	100	56	22	.12	1.23	1212	1	.36	30	3	3.020	7.50	74	1.30	.2		129
2411	PPJ32	4824.900 1395.588	1	1	123	44	87	31	24	.17	1.51	2680	1	.67	22	2	.032	7.80	112	.88	.5		113
2412	PPJ33	4825.025 1395.588	1	1	102	53	97	51	65	.12	.96	1591	1	.31	33	2	.030	3.20	63	.95	.4		102
2413	PPJ34	4826.175 1396.248	1	1	120	45	130	47	54	.13	1.75	1197	1	.32	35	2	.030	5.50	99	1.13	.4		121
2414	PPJ35	4827.205 1396.143	1	1	118	46	294	42	28	.09	1.74	1019	1	.12	45	2	.044	7.40	62	.99	.5		103
2415	PPJ36	4826.284 1394.396	4	1	78	30	81	31	33	.02	.59	1057	1	.16	25	9	.038	2.90	42	.69	.6		76
2416	PPJ37	4827.828 1393.487	1	1	103	32	94	36	21	.09	.87	793	1	.26	25	2	.292	4.50	54	.81	.6		97
2417	PPJ38	4827.213 1393.904	1	1	79	32	69	57	22	.13	.39	241	1	.08	34	2	.032	.50	20	.44	.8		56
2418	PPJ39	4827.303 1393.904	1	1	72	19	1175	31	36	.05	.82	844	1	.21	27	2	.329	2.80	65	.72	.5		96
2419	PPJ40	4829.303 1394.290	1	1	205	9	112	15	16	.41	.42	459	1	.38	27	8	.034	3.90	54	.40	1.1		55
2420	PPJ41	4829.622 1392.661	8	1	225	18	87	24	13	.52	.90	1103	1	.54	24	10	.034	4.60	100	.44	1.1		94
2421	PPJ42	4829.907 1392.363	4	1	152	47	585	76	14	.24	1.71	1511	1	.77	281	3	.087	1.30	186	.78	.6		96
2422	PPJ43	4820.851 1391.886	1	1	57	11	1018	15	22	.01	.29	471	1	.01	158	13	.026	4.90	18	.90	.8		112
2423	PPJ44	4820.819 1390.104	1	1	92	25	119	41	26	.04	.83	912	1	.18	52	2	.028	4.20	61	.53	.8		72
2424	PPJ45	4820.930 1390.188	1	1	95	24	170	31	21	.16	.83	891	1	.17	51	10	.112	5.90	58	1.02	.9		81
2425	PPJ46	4822.299 1390.495	1	1	116	20	113	25	40	.31	.60	727	1	.17	35	2	.032	3.40	52	.57	.8		66
2426	PPJ47	4824.333 1390.549	1	1	106	14	86	25	52	.07	.66	394	1	.21	5	5	.046	2.80	45	.35	1.2		67
2427	PPJ48	4826.197 1390.429	1	1	195	16	345	27	21	.68	.74	526	1	.35	91	70	.040	2.80	54	.51	1.2		116
2428	PPJ49	4826.297 1390.414	5	1	165	19	226	30	29	.85	.79	542	1	.30	69	6	.040	5.30	55	.48	1.4		89
2429	PPJ50	4826.822 1391.233	9	1	235	16	249	33	19	.68	.74	662	1	.33	67	18	.036	6.30	60	.43	1.3		143
2430	PPJ51	4826.917 1391.178	1	1	94	11	313	27	21	.07	.54	462	1	.21	83	25	.034	8.20	67	.71	1.0		48
2431	PPJ52	4826.968 1397.452	1	1	145	12	673	9	10	.02	.17	743	1	.01	156	75	.045	5.70	9	1.97	1.4		40
2432	PPJ53	4822.554 1399.537	1	1	41	5	275	2	17	.01	.08	530	1	.01	22	20	.018	5.20	6	1.56	1.6		22
2433	PPJ54	4822.958 1399.259	1	1	39	17	905	12	12	.01	.33	1268	1	.03	42	13	.018	5.90	21	2.23	1.1		65
2434	PPK01	4821.199 1389.274	1	1	83	21	278	25	20	.12	.69	1030	1	.12	42	15	.102	4.70	49	1.45	1.0		79
2435	PPK02	4821.298 1389.209	1	1	109	16	211	15	25	.17	.55	1040	1	.06	81	9	.030	7.00	43	1.58	1.3		72
2436	PPK03	4824.138 1389.434	1	1	96	13	245	23	15	.14	.29	707	1	.06	17	17	.029	2.10	27	.65	1.3		61
2437	PPK04	4823.128 1389.421	1	1	100	18	155	14	14	.12	.30	1954	1	.06	39	8	.024	1.30	28	.66	.9		52
2438	PPK05	4823.212 1389.296	1	1	51	9	235	14	14	.01	.32	1717	1	.05	37	4	.034	3.10	26	.76	.8		40
2439	PPK06	4821.743 1388.195	1	1	106	32	113	35	37	.17	.61	1337	1	.14	49	4	.050	3.60	38	.58	1.4		89
2440	PPK07	4821.897 1388.155	1	1	51	7	187	7	10	.01	.12	171	1	.01	35	11	.033	2.40	11	.22	.8		21
2441	PPK08	4821.562 1387.728	9	1	65	22	631	10	14	.02	.22	1241	5	.02	38	13	.093	3.90	16	2.63	3.1		69
2442	PPK09	4821.757 1387.599	1	1	149	15	167	27	15	.37	.42	472	1	.10	43	5	.035	5.90	42	.45	1.3		55
2443	PPK10	4829.908 1382.668	2	1	119	22	130	27	49	.47	.53	1059	1	.26	47	11	.024	.20	35	.50	1.0		77
2444	PPK11	4824.938 1389.940	4	1	107	11	112	20	38	.44	.46	403	1	.05	46	7	.024	4.50	34	.73	1.2		63
2445	PPK12	4825.027 1389.901	1	1	71	7	168	10	15	.10	.13	433	1	.12	29	13	.031	3.10	31	.43	1.4		40
2446	PPK13	4824.461 1388.679	10	1	161	10	152	37	22	.35	.37	641	1	.12	41	7	.024	20	13	.78	1.2		68
2447	PPK14	4826.242 1389.875	6	1	164	15	133	24	162	.68	.61	967	1	.24	19	9	.395	5.90	39	.77	1.5		96
2448	PPK15	4825.946 1389.517	1	1	110	5	123	9	14	.22	.20	995	1	.11	41	12	.026	4.90	26	.75	2.1		84
2449	PPK16	4825.977 1389.398	1	1	240	7	99	10	26	.74	.37	612	1	.35	42	8	.027	.20	36	.79	1.3		52
2450	PPK17	4826.321 1389.040	1	1																			125

List of Geochemical Analysis (50)

Ser. No.	Sample No.	Location (km)	X-coord	Y-coord	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
					ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
2451	PK18	4827.311	1389.575	14	>	311	15	115	53	21	17	76	76	1234	>	27	29	32	020	7.70	45	40	1.4	>	183
2452	PK19	4827.681	1389.625	4	>	213	7	214	5	10	10	56	23	287	>	12	54	2	050	4.60	12	23	1.4	>	59
2453	PK20	4827.320	1388.915	11	>	56	1	141	5	22	22	07	07	118	>	02	25	18	018	1.10	13	24	1.0	>	33
2454	PK21	4828.300	1389.430	2	>	115	6	218	13	13	10	23	11	200	>	02	58	7	026	2.80	7	15	1.6	>	30
2455	PK22	4821.376	1386.655	7	93	60	11	137	12	20	20	02	28	429	>	04	20	4	194	4.50	24	40	1.0	>	38
2456	PK23	4828.685	1388.844	1	>	163	8	144	8	12	12	39	29	1184	>	46	15	8	024	6.20	79	80	2.1	>	55
2457	PK24	4829.729	1389.379	7	>	176	5	108	14	14	10	54	25	466	>	44	8	8	019	4.10	31	29	1.4	>	42
2458	PK25	4828.665	1388.710	1	8	151	4	122	10	10	10	37	28	2188	>	46	8	2	024	4.00	61	48	1.9	>	29
2459	PK26	4828.939	1388.377	1	>	46	2	182	>	>	>	01	11	678	>	19	6	2	016	2.90	38	155	1.6	>	29
2460	PK27	4829.618	1387.576	6	>	138	5	211	11	11	10	27	24	390	>	12	17	7	209	3.80	39	53	2.6	>	59
2461	PK28	4829.528	1387.512	3	>	127	2	184	11	10	10	26	13	124	>	04	7	2	149	3.00	16	56	2.4	>	36
2462	PK29	4829.538	1387.516	10	181	131	1	193	11	18	18	29	12	102	>	04	8	3	028	2.00	15	53	3.0	>	36
2463	PK30	4824.360	1387.870	12	>	137	6	155	10	24	24	29	25	846	>	24	8	2	022	2.30	44	81	2.0	>	47
2464	PK31	4825.396	1388.211	1	>	58	5	160	1	1	24	01	11	1413	>	02	4	2	017	2.60	7	225	1.9	>	45
2465	PK32	4824.075	1386.479	13	>	137	3	147	10	16	16	29	25	517	>	24	20	2	030	1.70	41	64	2.1	>	44
2466	PK33	4824.613	1385.698	7	>	165	2	156	6	21	21	30	20	527	>	13	9	2	018	4.00	30	72	1.3	>	58
2467	PK34	4825.374	1386.522	11	>	344	7	131	7	7	18	39	29	860	>	44	20	3	019	4.00	60	148	2.1	>	83
2468	PK35	4825.962	1385.180	13	>	199	10	87	23	30	25	56	21	858	>	15	6	3	017	1.10	46	173	1.6	>	104
2469	PK36	4825.368	1384.952	10	>	192	25	93	50	30	30	62	64	408	>	37	12	5	023	70	58	59	1.2	>	88
2470	PK37	4826.837	1385.726	1	>	302	10	184	40	40	39	54	70	625	>	39	25	2	020	20	73	54	1.2	>	126
2471	PK38	4827.392	1385.621	1	>	187	22	184	40	39	32	68	60	393	>	35	36	10	038	20	50	167	1.3	>	303
2472	PK39	4827.571	1385.224	16	>	178	8	116	19	19	32	88	60	393	>	35	13	2	021	3.10	53	71	1.5	>	84
2473	PK40	4827.571	1385.224	12	>	194	15	118	26	26	62	84	52	132	>	22	22	2	034	4.30	57	57	1.9	>	59
2474	PK41	4824.327	1384.094	12	>	46	3	250	6	18	18	02	10	234	>	19	17	2	048	20	18	61	1.4	>	13
2475	PK42	4826.296	1384.261	9	>	32	5	327	5	5	11	01	08	635	>	01	31	2	017	1.60	7	151	1.5	>	23
2476	PK43	4824.586	1386.679	1	>	99	4	165	9	16	16	16	19	640	>	12	9	2	027	3.00	26	66	1.8	>	43
2477	PQ101	4833.938	1399.030	1	>	123	21	151	19	19	16	36	66	629	>	20	17	4	025	7.20	56	72	8	>	84
2478	PQ102	4831.937	1399.214	1	>	128	24	176	20	23	23	37	79	800	>	23	20	2	147	18.40	59	109	1.0	>	95
2479	PQ103	4832.675	1397.635	1	>	130	27	125	26	14	14	28	54	1110	>	12	21	7	032	11.80	41	117	8	>	101
2480	PQ104	4832.825	1397.635	1	>	105	13	190	17	12	12	24	34	747	>	11	21	9	015	4.00	30	50	1.0	>	48
2481	PQ105	4833.877	1396.924	1	>	115	18	271	16	20	20	40	66	1043	>	12	21	15	031	21.50	37	227	1.0	>	85
2482	PQ106	4831.681	1396.680	1	>	84	6	129	15	15	20	14	22	241	>	10	10	2	029	3.00	48	34	1.0	>	30
2483	PQ107	4831.454	1398.490	1	>	64	12	302	13	24	24	08	29	644	>	05	9	5	022	8.00	38	98	1.2	>	97
2484	PQ108	4834.967	1399.191	1	>	294	46	208	99	25	25	50	95	2662	>	33	46	30	019	6.30	177	68	8	>	40
2485	PQ109	4836.222	1397.410	1	>	56	12	702	6	498	6	06	20	797	>	02	17	2	012	17.30	13	224	1.0	>	40
2486	PQ110	4835.864	1397.302	1	>	209	17	143	22	118	118	84	42	1257	>	07	17	2	017	3.20	27	47	1.2	>	41
2487	PQ111	4832.595	1396.161	1	>	137	24	124	28	24	24	50	86	928	>	24	18	11	039	10.80	65	91	1.0	>	107
2488	PQ112	4832.455	1395.210	1	>	163	37	131	30	39	39	77	19	1187	>	30	27	7	130	18.70	76	145	1.0	>	146
2489	PQ113	4831.479	1394.141	1	>	125	31	65	26	25	25	29	82	761	>	30	27	2	054	8.80	106	48	6	>	75
2490	PQ114	4831.912	1394.061	1	>	207	30	84	35	37	37	74	140	934	>	38	17	2	037	19.20	111	98	1.0	>	146
2491	PQ115	4830.401	1393.392	1	>	102	23	49	46	33	33	14	61	368	>	29	6	2	050	6.60	129	52	2	>	74
2492	PQ116	4830.366	1392.953	1	>	113	15	61	28	28	28	23	42	613	>	23	6	2	026	4.70	51	47	6	>	74
2493	PQ117	4830.524	1392.923	1	>	111	15	54	23	15	15	30	67	855	>	25	9	8	028	7.70	82	47	8	>	82
2494	PQ118	4830.494	1391.923	1	>	137	23	87	27	15	15	44	109	1148	>	38	11	15	080	9.90	107	52	6	>	114
2495	PQ119	4830.652	1390.990	1	>	140	22	85	27	16	16	32	91	1310	>	40	8	8	036	9.00	134	52	6	>	106
2496	PQ120	4830.801	1391.045	1	>	123	25	63	39	27	27	50	102	884	>	35	12	8	165	6.00	94	44	4	>	105
2497	PQ121	4832.040	1393.322	1	>	106	59	140	35	19	19	31	144	1928	>	15	23	2	047	32.00	53	262	8	>	226
2498	PQ122	4832.228	1392.414	2	>	217	37	62	36	23	23	56	126	914	>	36	13	2	042	12.00	107	90	8	>	128
2499	PQ123	4832.317	1392.547	1	>	215	38	77	38	25	25	73	177	1156	>	47	15	2	037	20.70	122	105	6	>	156
2500	PQ124	4832.604	1391.368	4	1	217	22	93	41	23	23	72	122	955	>	43	15	16	041	9.30	75	85	8	>	159

List of Geochemical Analysis (51)

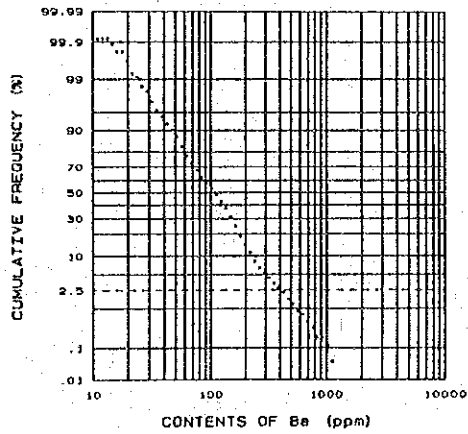
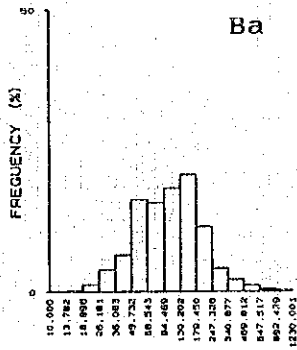
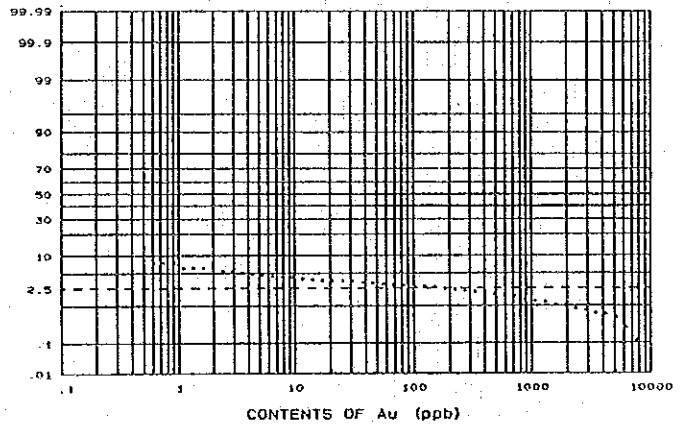
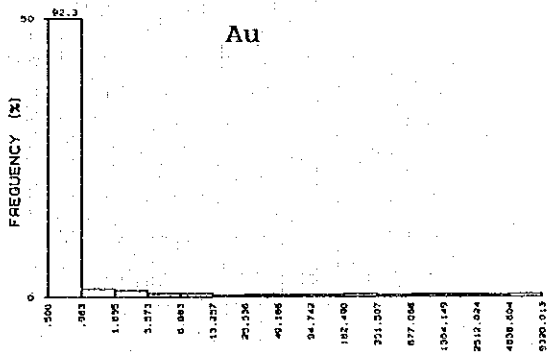
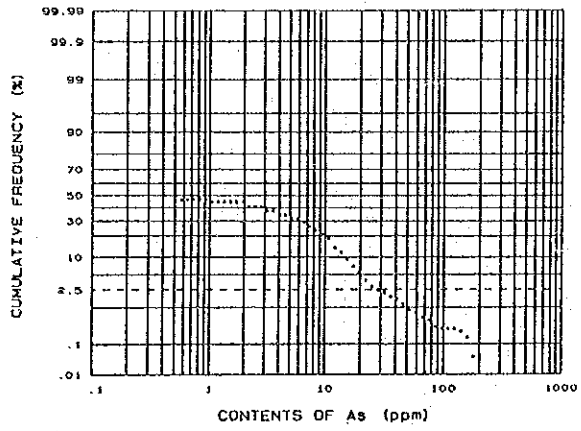
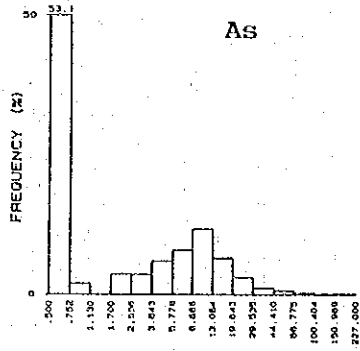
Ser. No.	Sample No.	Location (km)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Nb	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
		X-coord Y-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
2501	PQ325	4839.519 1390.316	>	>	118	27	60	27	38	.10	.34	541	3	.04	11	>	.016	10.30	29	.91	1.4	>	80
2502	PQ326	4833.146 1391.693	>	>	170	54	76	38	96	.57	2.64	1676	5	.40	21	>	.041	24.60	165	1.97	1.0	>	197
2503	PQ327	4834.329 1391.870	>	>	103	85	96	37	90	.30	2.55	2459	7	.21	29	>	.033	37.60	95	2.88	.8	>	278
2504	PQ328	4833.140 1394.923	>	>	139	12	110	19	15	.16	.25	438	2	.07	18	7	.021	4.50	34	3.38	.8	>	40
2505	PQ329	4835.407 1396.356	>	>	54	9	518	5	46	.07	.20	839	1	.03	11	5	.012	17.70	17	2.20	.8	>	49
2506	PQ330	4834.874 1395.547	>	>	53	10	206	8	10	.10	.23	412	1	.06	13	3	.013	5.90	28	1.10	1.0	>	33
2507	PQ331	4837.195 1391.872	>	>	243	51	92	39	11	.73	2.95	1917	2	.41	23	3	.030	20.00	185	1.69	1.0	>	204
2508	PQ332	4837.110 1391.768	>	>	162	67	131	44	10	.44	2.94	2644	5	.28	35	>	.028	31.00	155	2.43	.6	>	271
2509	PQ333	4838.148 1391.230	>	>	250	51	71	45	10	.79	3.55	1952	5	.56	19	>	.033	19.80	292	1.41	.6	>	193
2510	PQ334	4839.713 1391.228	>	>	231	64	90	41	10	.63	3.75	2334	5	.45	28	>	.034	24.70	225	1.77	.6	>	215
2511	PQ335	4836.159 1390.398	>	>	152	36	107	36	23	.25	.82	1673	3	.09	19	>	.017	20.30	43	1.78	1.0	>	195
2512	PQ336	4836.270 1390.443	>	>	172	35	71	19	21	.25	1.21	1537	1	.04	9	>	.016	10.30	124	1.41	2.0	>	70
2513	PQ337	4838.281 1394.666	>	>	244	23	86	21	17	.85	1.21	1104	4	.71	9	>	.026	17.40	26	.72	1.0	>	175
2514	PQ338	4830.693 1397.568	>	>	82	12	181	17	23	.17	.22	551	2	.07	11	6	.028	7.40	26	1.41	2.0	>	45
2515	PQ339	4836.419 1396.093	>	>	159	42	143	20	21	.35	1.52	1753	4	.38	18	>	.028	24.90	115	2.40	1.0	>	182
2516	PQ340	4837.243 1394.470	>	>	157	81	79	38	10	.63	3.03	2534	4	.36	25	>	.037	27.40	149	2.15	.4	>	273
2517	PQ341	4838.012 1393.444	>	>	316	36	118	39	14	1.06	1.69	1389	3	.65	35	>	.037	13.60	286	.96	1.4	>	116
2518	PQ342	4838.756 1393.379	>	>	153	7	146	13	10	.35	.37	1606	1	.13	13	6	.036	7.90	43	.65	1.4	>	46
2519	PQ343	4839.153 1392.856	>	>	323	26	161	26	23	1.02	1.31	1017	3	.50	36	3	.050	12.30	145	.97	1.4	>	110
2520	PQ344	4831.182 1387.167	>	>	119	4	128	9	19	.21	.30	330	1	.20	7	16	.033	3.90	39	1.8	1.6	>	95
2521	PQ345	4834.955 1380.115	>	>	129	25	178	33	16	.26	.81	656	1	.41	47	23	.034	2.20	110	1.36	1.2	>	87
2522	PQ346	4834.892 1388.110	>	>	242	18	106	30	18	.59	.97	683	1	.41	23	9	.023	2.20	51	.37	1.7	>	116
2523	PQ347	4835.080 1389.985	>	>	164	6	104	25	26	.48	.38	645	1	.33	8	11	.124	1.40	44	.47	1.5	>	73
2524	PQ348	4835.114 1389.895	>	>	252	20	82	17	25	.54	.43	778	1	.24	13	2	.022	2.10	67	.91	2.2	>	89
2525	PQ349	4836.440 1389.624	>	>	202	20	84	17	37	.40	.53	862	1	.26	9	>	.017	.20	62	.98	1.2	>	104
2526	PQ350	4836.505 1389.718	>	>	276	31	69	27	25	.57	1.12	1211	1	.34	16	16	.022	1.40	92	1.10	1.5	>	125
2527	PQ351	4838.293 1389.093	>	>	157	15	109	17	25	.20	.37	663	1	.11	14	14	.029	1.40	71	.82	1.5	>	73
2528	PQ352	4839.358 1389.668	>	>	160	28	114	22	24	.23	.42	1037	1	.10	28	2	.024	3.20	74	.95	1.4	>	86
2529	PQ353	4830.541 1387.148	>	>	67	1	136	6	10	.04	.08	118	1	.08	14	5	.027	.20	8	.27	1.3	>	27
2530	PQ354	4830.387 1387.034	>	>	47	1	173	6	10	.02	.05	71	1	.01	22	9	.020	.20	5	.56	2.5	>	34
2531	PQ355	4830.536 1387.078	>	>	46	1	148	5	10	.04	.06	167	1	.01	7	5	.030	1.40	5	.53	3.2	>	30
2532	PQ356	4831.286 1386.813	>	>	124	4	164	4	10	.06	.06	85	1	.02	8	8	.015	2.10	5	.67	6.5	>	53
2533	PQ357	4831.386 1386.883	>	>	61	1	203	4	10	.06	.06	120	1	.04	3	7	.028	1.50	7	.67	3.1	>	40
2534	PQ358	4832.986 1386.974	>	>	203	13	166	9	10	.27	.12	103	1	.58	11	2	.036	2.80	15	.60	1.4	>	46
2535	PQ359	4833.110 1387.058	>	>	203	13	166	9	10	.27	.12	103	1	.58	11	2	.036	2.80	15	.60	1.4	>	46
2536	PQ360	4833.268 1386.083	>	>	147	2	123	20	13	.36	.27	532	1	.15	9	21	.201	1.20	20	.67	1.8	>	126
2537	PQ361	4833.982 1385.609	>	>	124	3	135	21	12	.24	.26	378	1	.09	12	19	.026	4.40	21	.53	1.9	>	108
2538	PQ362	4834.042 1385.733	>	>	290	27	126	29	47	.59	1.18	1160	1	.60	30	30	.026	4.40	129	.92	1.2	>	121
2539	PQ363	4835.134 1385.134	>	>	141	7	155	19	12	.41	.32	415	1	.22	13	5	.034	1.90	36	.48	1.9	>	77
2540	PQ364	4835.425 1384.291	>	>	162	6	132	18	14	.49	.34	469	1	.26	13	9	.034	1.80	45	.53	1.6	>	82
2541	PQ365	4835.802 1388.521	>	>	205	12	83	18	21	.58	.69	716	1	.26	11	5	.020	4.00	92	.71	1.4	>	83
2542	PQ366	4836.477 1383.645	>	>	62	3	149	6	18	.04	.08	64	1	.02	12	2	.030	3.80	26	.23	1.4	>	26
2543	PQ367	4835.979 1387.481	>	>	86	3	109	12	13	.08	.11	70	1	.02	6	3	.043	2.80	30	.25	.9	>	23
2544	PQ368	4835.944 1387.371	>	>	204	14	161	12	13	.30	.32	506	1	.09	12	2	.128	2.40	49	.63	1.7	>	99
2545	PQ369	4837.023 1387.957	>	>	165	12	100	11	16	.28	.39	497	1	.12	3	3	.086	2.00	40	.39	1.2	>	68
2546	PQ370	4836.979 1387.737	>	>	154	6	93	14	16	.28	.39	331	1	.04	1	2	.113	2.00	61	.30	1.8	>	58
2547	PQ371	4837.342 1387.921	>	>	137	2	75	8	16	.22	.12	74	1	.10	5	2	.018	.80	39	.57	1.5	>	30
2548	PQ372	4837.549 1389.587	>	>	158	12	57	22	21	.28	.32	782	1	.10	6	6	.036	1.30	44	.37	1.3	>	82
2549	PQ373	4839.295 1387.952	>	>	186	5	75	12	23	.49	.22	243	1	.10	6	2	.032	.70	39	.54	1.7	>	51
2550	PQ374	4836.555 1384.300	>	>	78	1	69	7	14	.08	.07	37	1	.02	4	4	.032	.70	39	.54	1.7	>	51

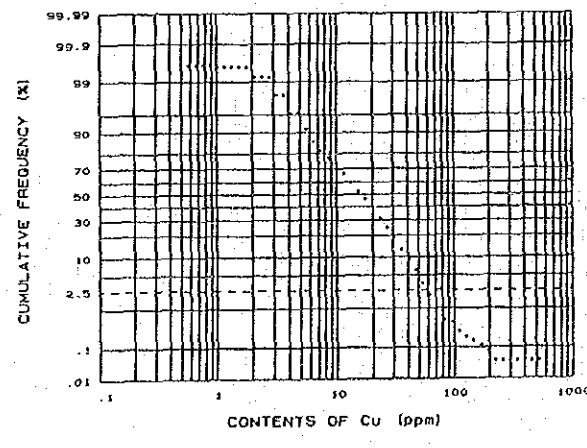
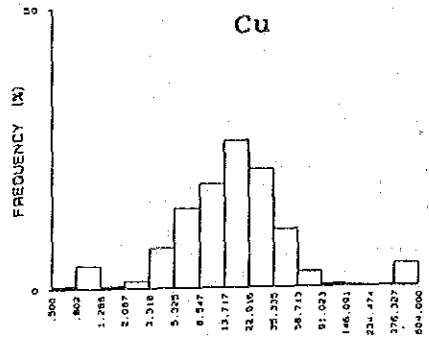
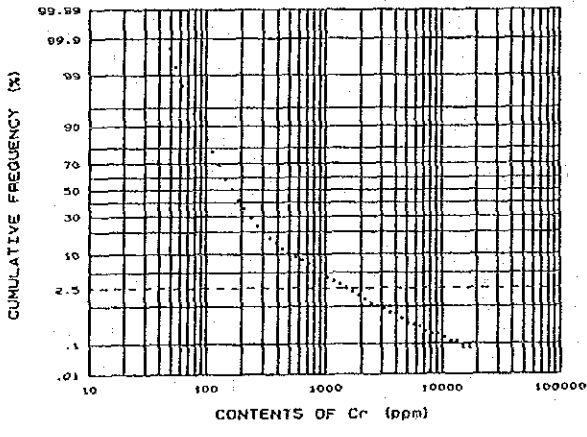
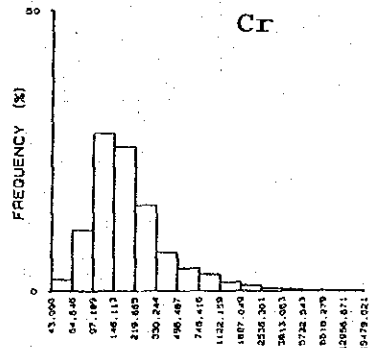
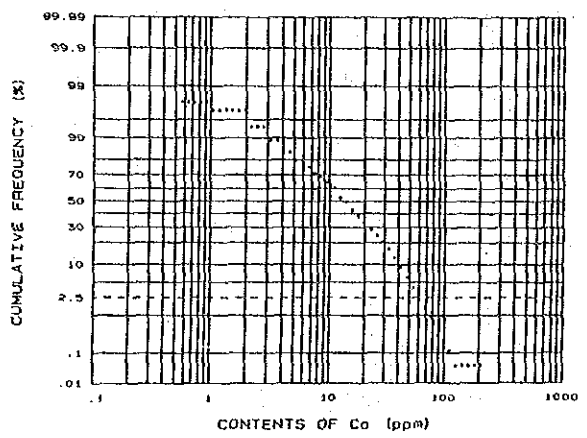
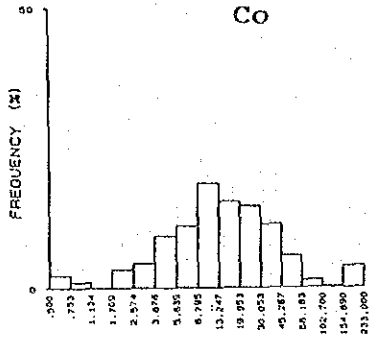
List of Geochemical Analysis (52)

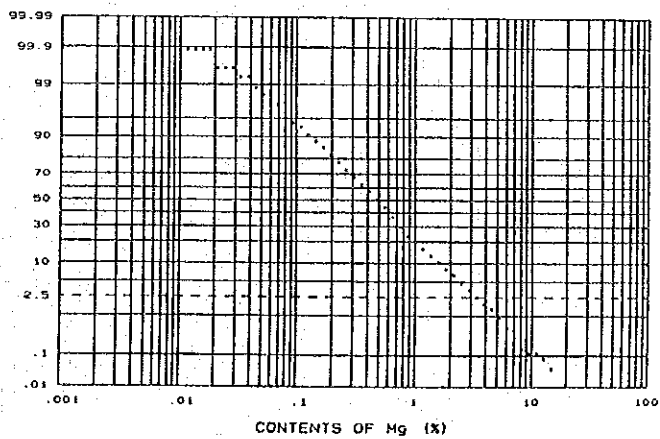
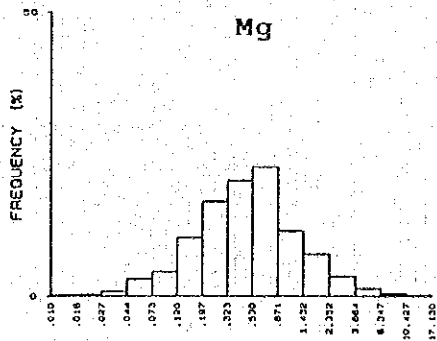
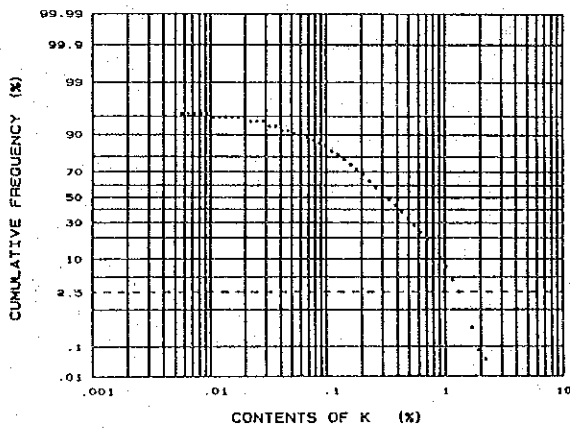
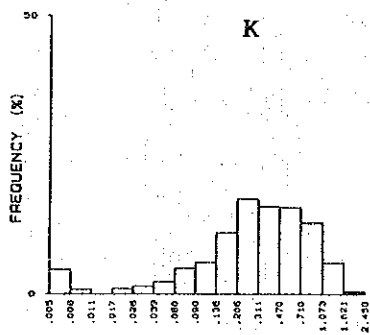
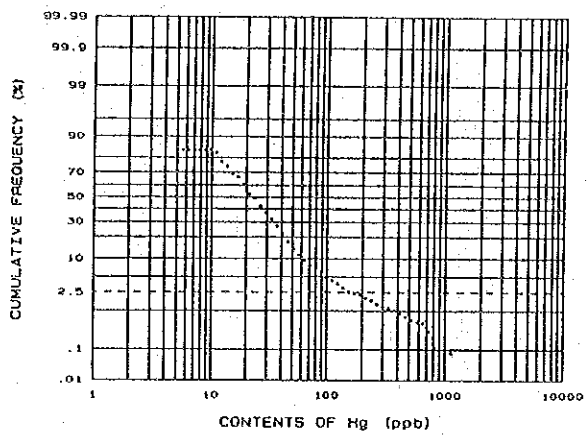
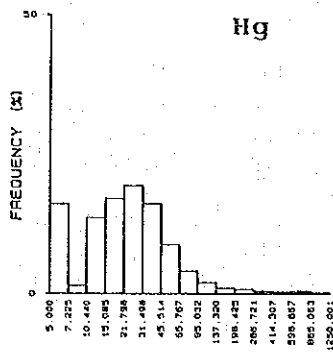
Ser. No.	Sample No.	Location (km)	X-coord	Y-coord	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mb	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
					ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
2551	PQK32	4836.166	1383.021	8	1	137	5	75	12	12	15	.36	.25	386	1	.16	3	>	.031	3.20	35	.53	1.5	>	60
2552	PQK33	4833.020	1384.078	9	1	167	7	62	24	24	14	.53	.33	182	1	.06	4	17	.228	2.20	27	.49	1.7	>	81
2553	PQK34	4832.067	1384.732	10	1	209	11	43	47	15	15	.64	.42	423	1	.20	2	25	.567	2.00	31	.44	1.3	>	173
2554	PQK35	4833.412	1383.471	5	1	169	3	89	22	22	13	.50	.29	115	1	.07	8	17	.124	3.90	29	.40	1.5	>	70
2555	PQK36	4833.716	1384.192	8	1	191	15	69	20	20	14	.66	.36	228	1	.10	12	>	.150	2.50	63	.57	1.4	>	58
2556	PQK37	4833.828	1383.097	6	1	185	6	78	24	36	36	.61	.27	111	1	.09	21	25	.065	2.70	33	.40	1.4	>	90
2557	PQK38	4835.153	1382.074	3	1	164	7	73	14	14	16	.47	.25	180	1	.07	3	28	.097	5.00	47	.46	1.8	>	57
2558	PQK39	4834.646	1382.210	8	1	111	2	61	8	8	15	.11	.08	32	1	.02	4	25	.049	3.30	70	.34	1.3	>	22
2559	PQK40	4835.902	1381.401	5	1	140	4	91	11	11	10	.25	.13	186	1	.03	6	28	.041	20	48	.48	1.4	>	44
2560	PQK41	4836.037	1381.471	3	1	140	11	118	18	18	12	.37	.24	285	1	.18	3	>	.034	2.80	38	.56	1.5	>	59
2562	PQK43	4830.883	1380.964	41	2	148	11	92	22	22	21	.36	.22	1012	1	.09	6	26	.045	3.70	73	.46	2.0	>	37
2563	PQK44	4831.963	1380.240	9	30	128	18	92	22	22	21	.50	.43	613	1	.11	15	31	.027	8.00	63	.88	1.6	>	83
2563	PQK45	4831.665	1382.594	10	1	113	5	67	14	14	13	.22	.14	105	1	.04	7	12	.037	2.00	35	.38	1.5	>	36
2565	PQK46	4836.092	1385.292	15	7	212	1	77	3	3	20	.86	.20	5	1	.03	6	>	.024	1.20	37	.28	2.3	>	11
2566	PQK01	4832.615	1379.558	9	1	59	1	64	6	6	14	.03	.07	18	1	.01	3	7	.035	1.20	38	.31	1.6	>	12
2566	PRJ01	4840.880	1390.074	60	1	175	24	83	40	40	18	1.03	1.07	1002	1	.23	21	>	.025	3.00	81	.91	1.5	>	118
2568	PRJ02	4840.615	1391.479	1	1	163	17	64	14	14	19	.49	.62	443	1	.44	7	22	.339	7.70	58	.99	1.6	>	129
2569	PRK01	4840.513	1386.754	4	1	218	36	66	41	41	17	.92	2.65	1235	1	.63	21	>	.033	4.0	309	.90	5	>	229
2570	PRK02	4841.143	1385.943	4	1	200	4	73	7	7	17	.27	.17	97	1	.07	3	2	.051	3.10	37	.41	1.3	>	35
2571	PRK03	4841.546	1386.002	11	1	174	3	226	5	5	25	.07	.11	64	1	.15	66	49	.136	1.90	27	.37	1.8	>	20
2572	PRK04	4841.156	1384.402	12	1	56	4	108	5	5	21	.16	.17	333	1	.20	7	2	.347	1.10	28	.86	1.8	>	28
2573	PRK05	4840.658	1383.856	11	1	48	2	122	4	4	31	.02	.09	112	1	.08	8	3	.065	1.30	20	.36	1.4	>	15
2574	PRK06	4840.866	1386.813	4	1	110	2	99	4	4	24	.03	.10	154	1	.11	7	2	.327	1.30	25	.43	1.0	>	19
2575	PRK07	4841.960	1386.796	10	5	105	2	124	6	6	19	.21	.14	184	1	.04	10	2	.052	.80	25	.41	1.7	>	13
2576	PRK08	4842.389	1387.362	8	1	125	18	51	27	27	21	.30	.10	48	1	.17	10	2	.265	.20	30	.80	1.7	>	21
2577	PRK09	4840.044	1386.687	1	1	635	18	69	27	27	11	1.02	.81	791	1	.75	25	2	.047	.60	18	.47	2.2	>	18
2578	PRK10	4842.373	1386.380	15	1	90	2	52	2	2	20	.38	.14	26	1	.22	3	2	.099	2.40	21	.79	1.5	>	105
2579	PRK11	4842.273	1389.529	1	1	164	8	56	15	15	18	.57	.22	26	1	.06	10	2	.017	.80	23	.65	2.9	>	72
2580	PRK12	4842.481	1389.226	1	1	328	18	186	20	20	24	.42	.51	549	1	.19	57	80	.023	.80	40	1.22	2.0	>	90

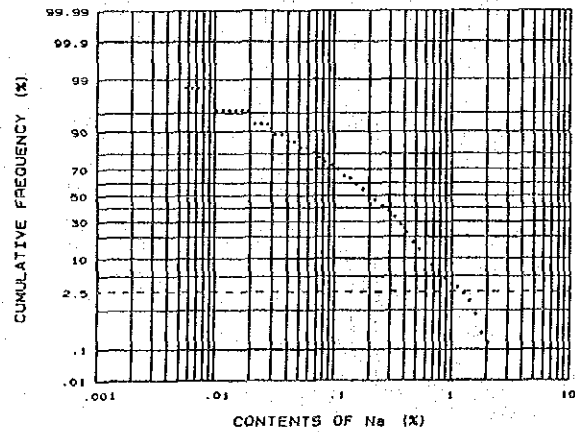
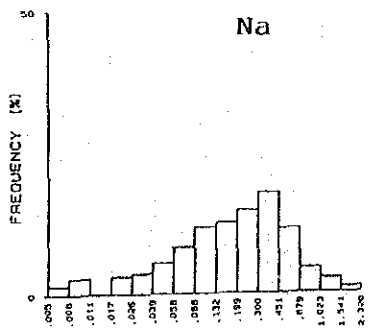
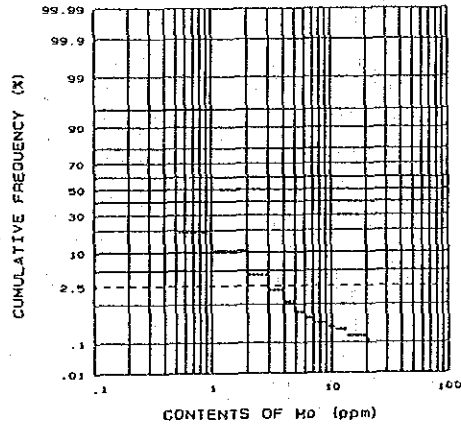
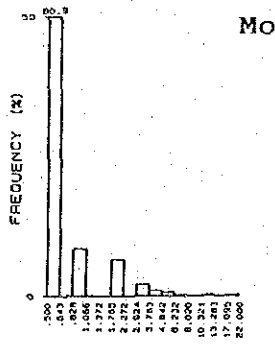
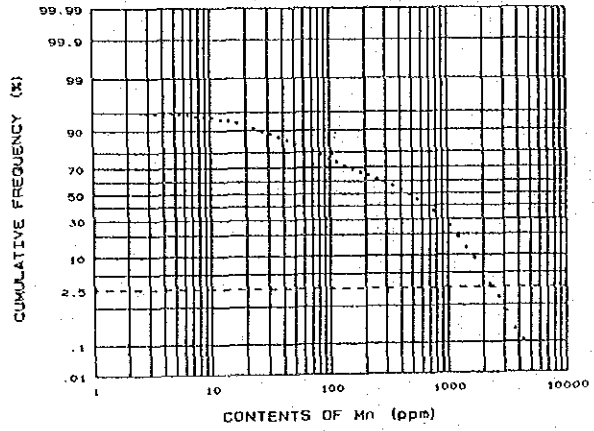
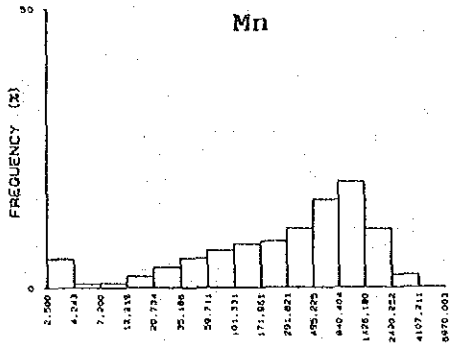
Appendix 13

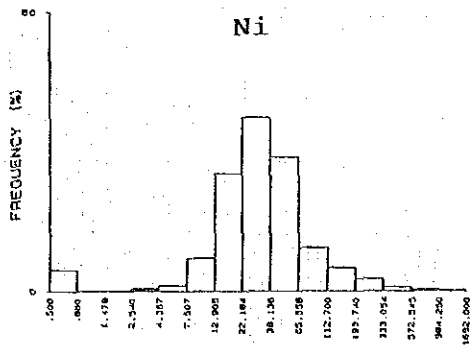
Histograms of element for stream sediment
in the Semporna area

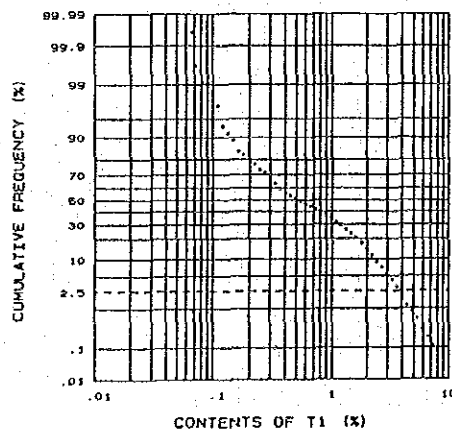
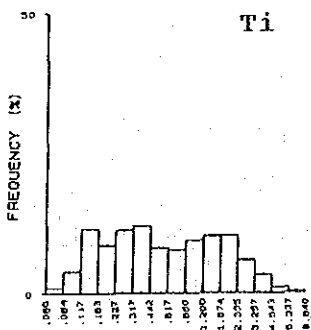
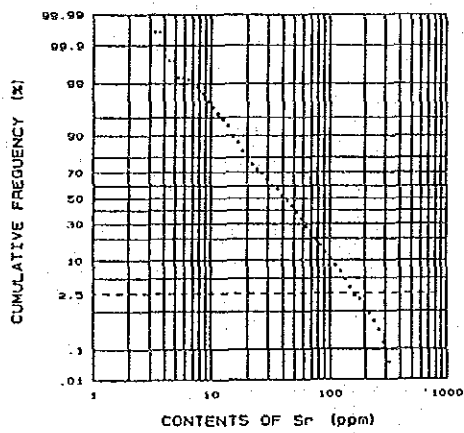
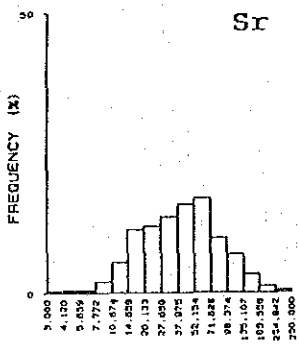
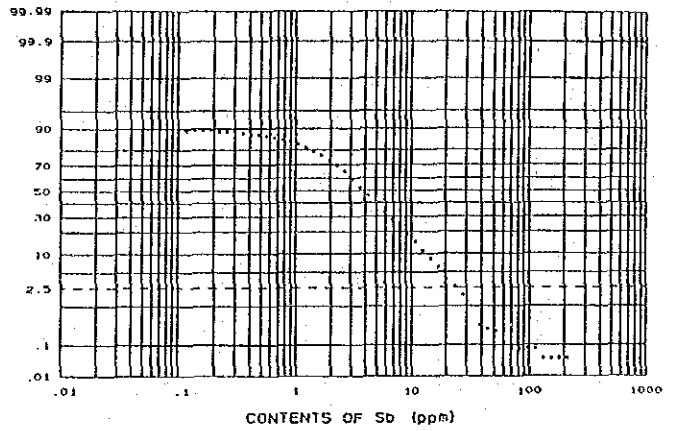
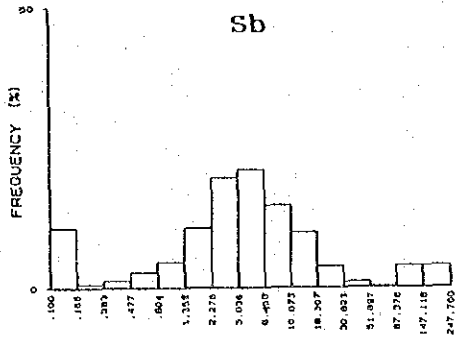


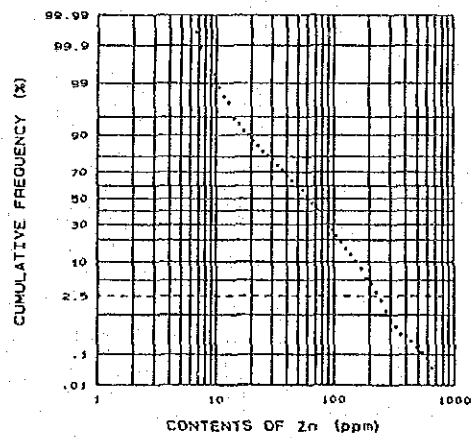
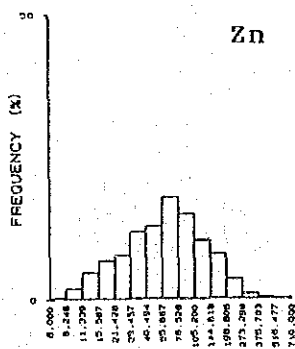
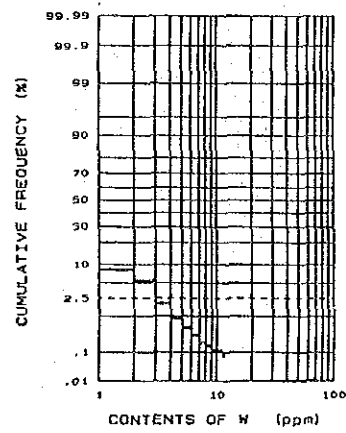
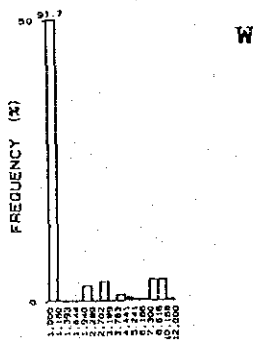
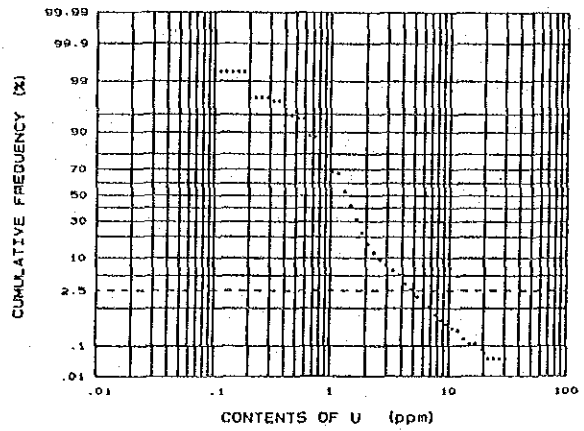
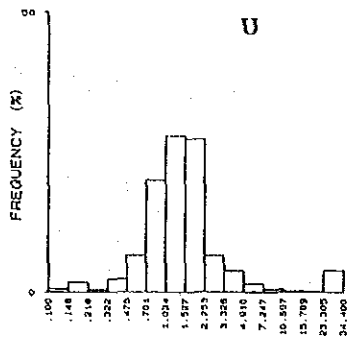






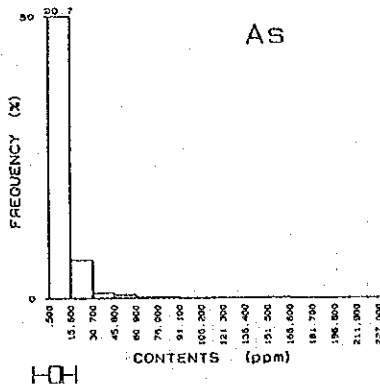




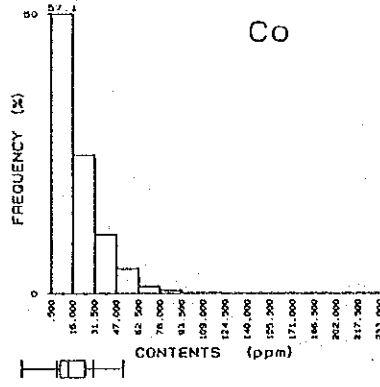


Appendix 14

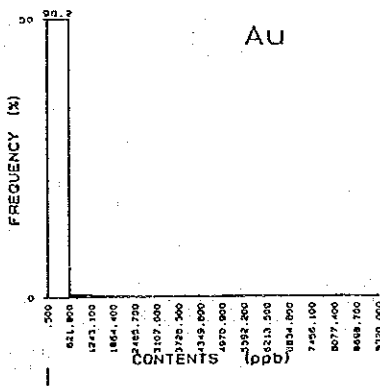
Results of Exploratory Data Analysis
for stream sediments in the Semporna area



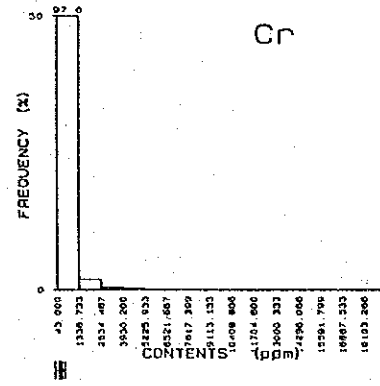
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 U.HINGE : 6.00
 L.WHISKER: .50
 U.WHISKER: 10.00
 L.FENCE : -10.75
 U.FENCE : 19.25



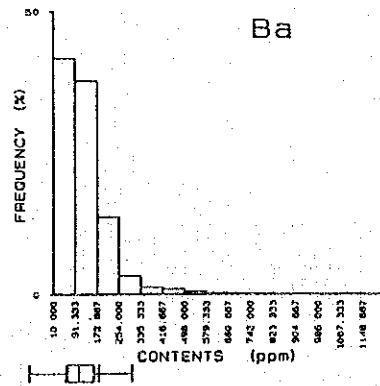
MEDIAN : 13.00
 L.HINGE : 7.00
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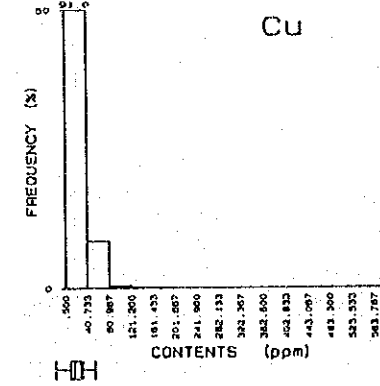
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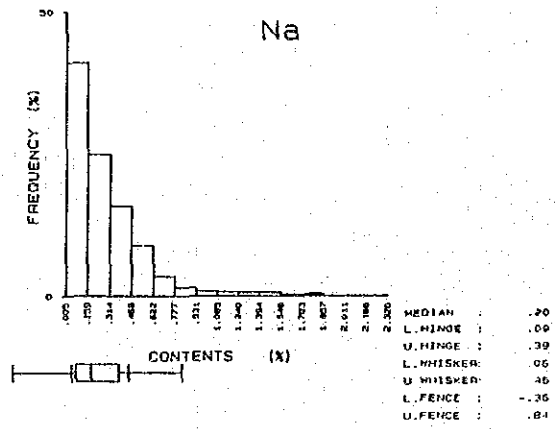
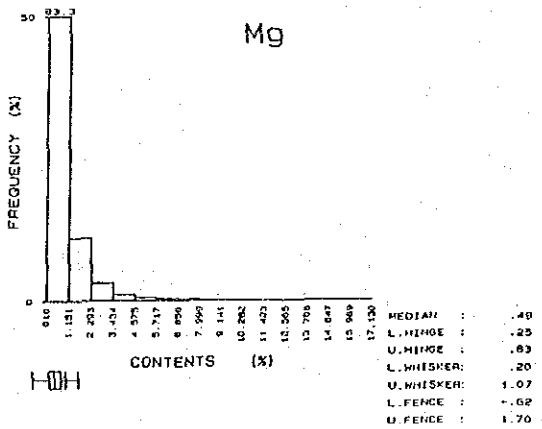
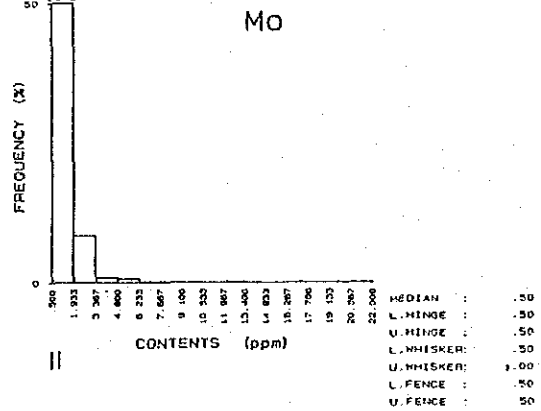
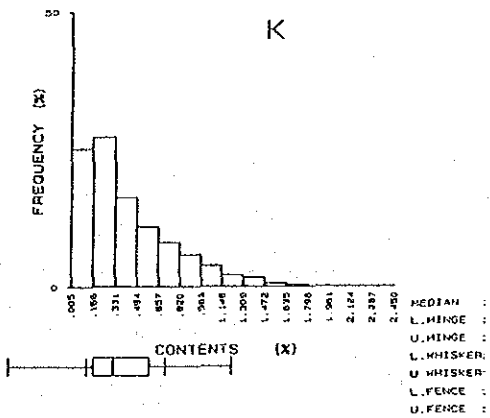
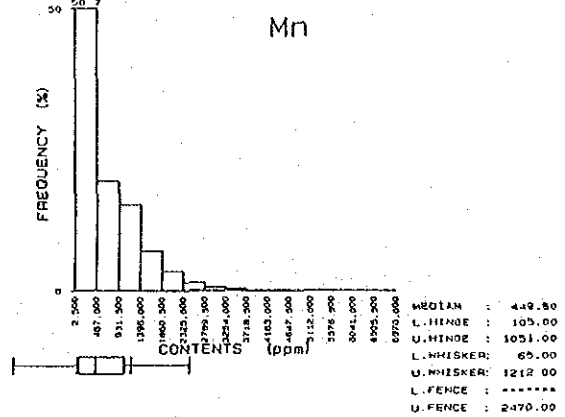
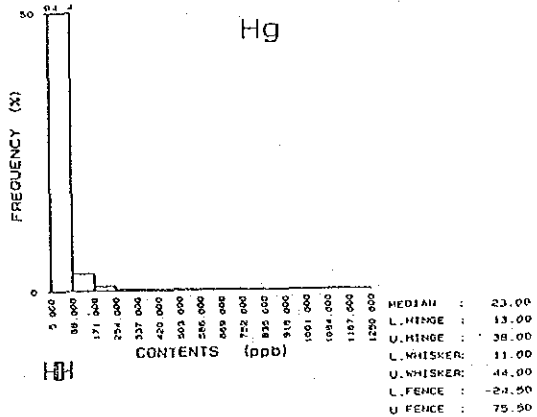
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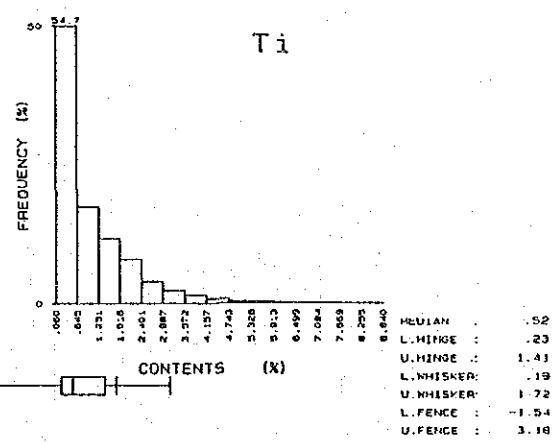
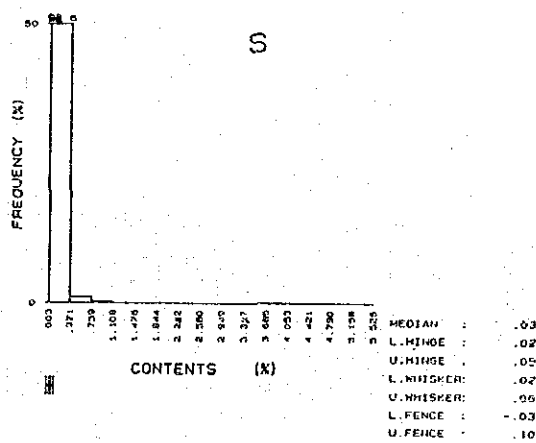
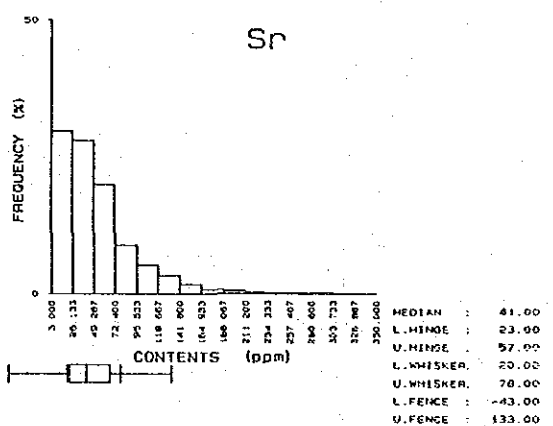
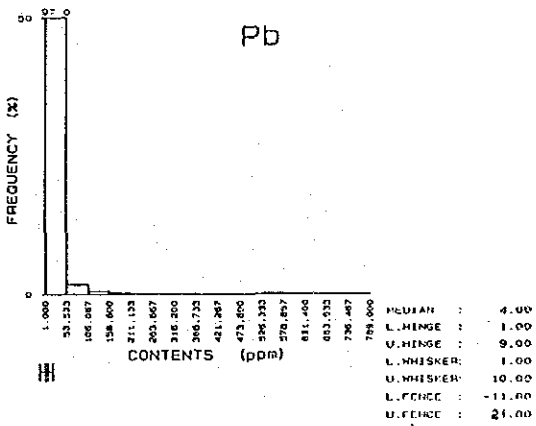
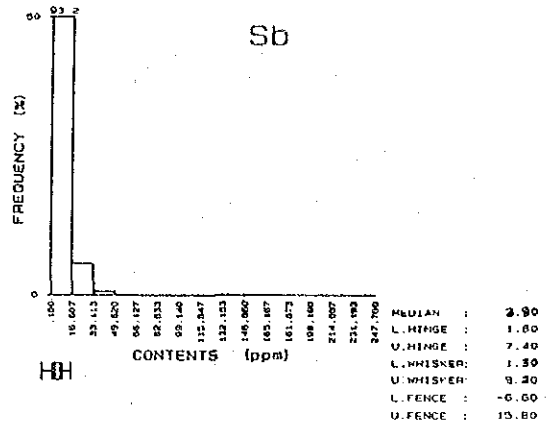
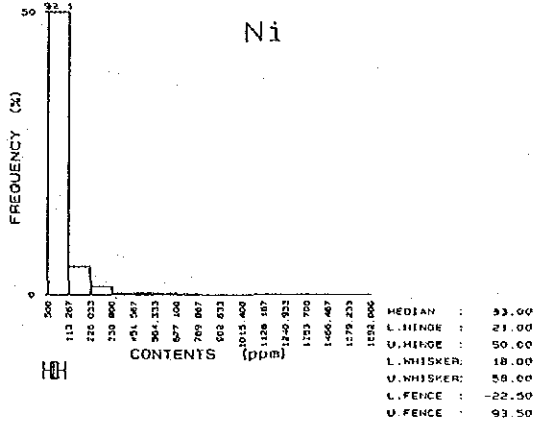


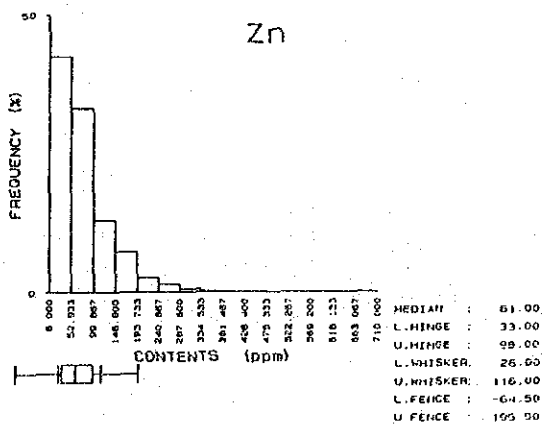
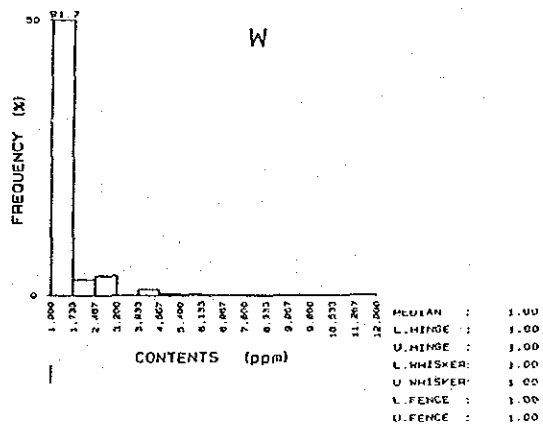
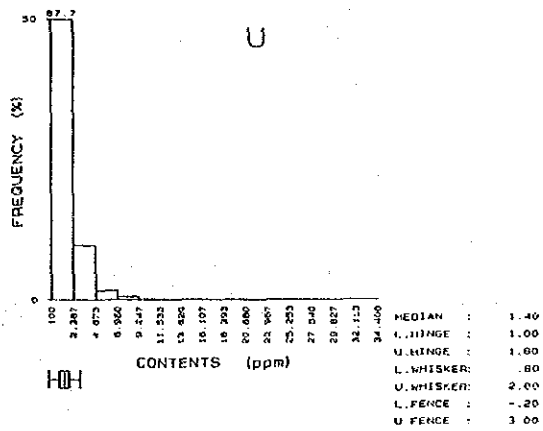
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 U.FENCE : 305.00



MEDIAN : 16.00
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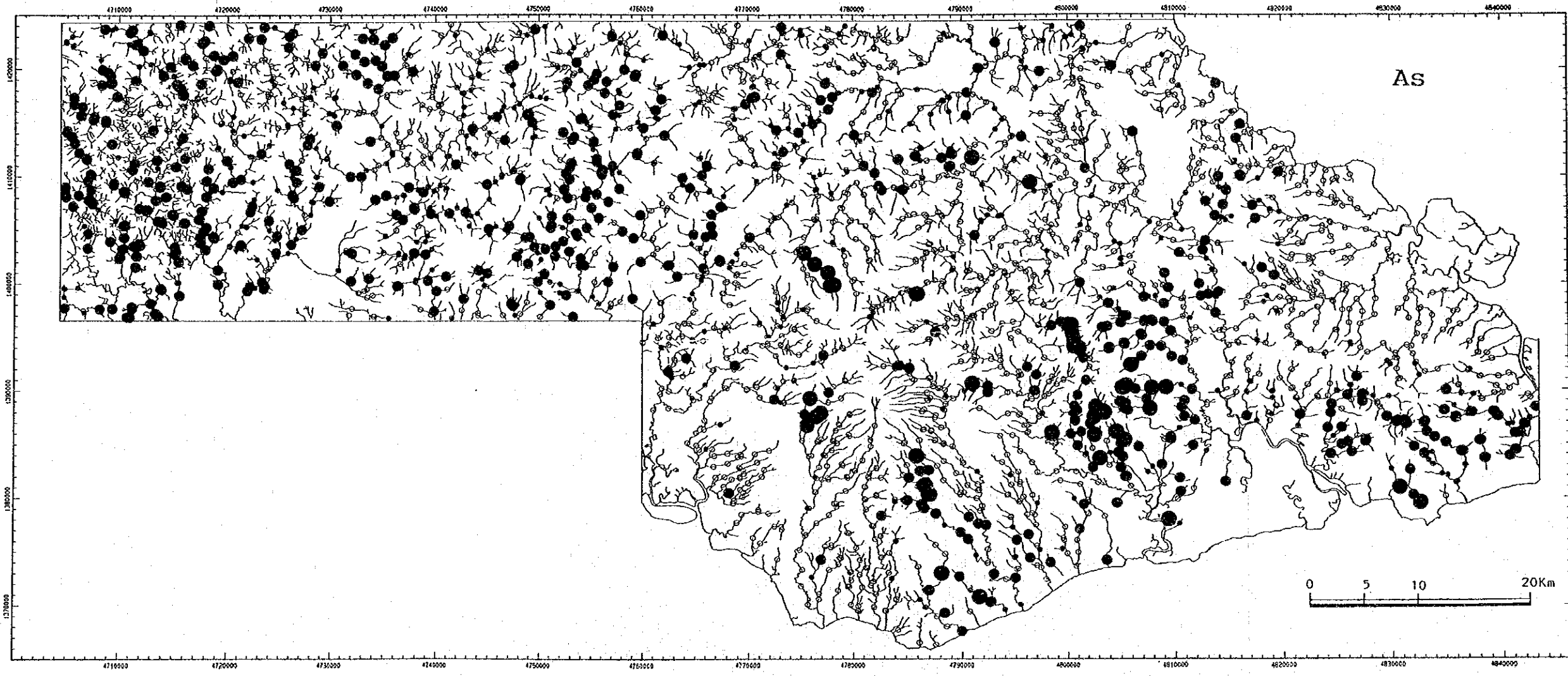




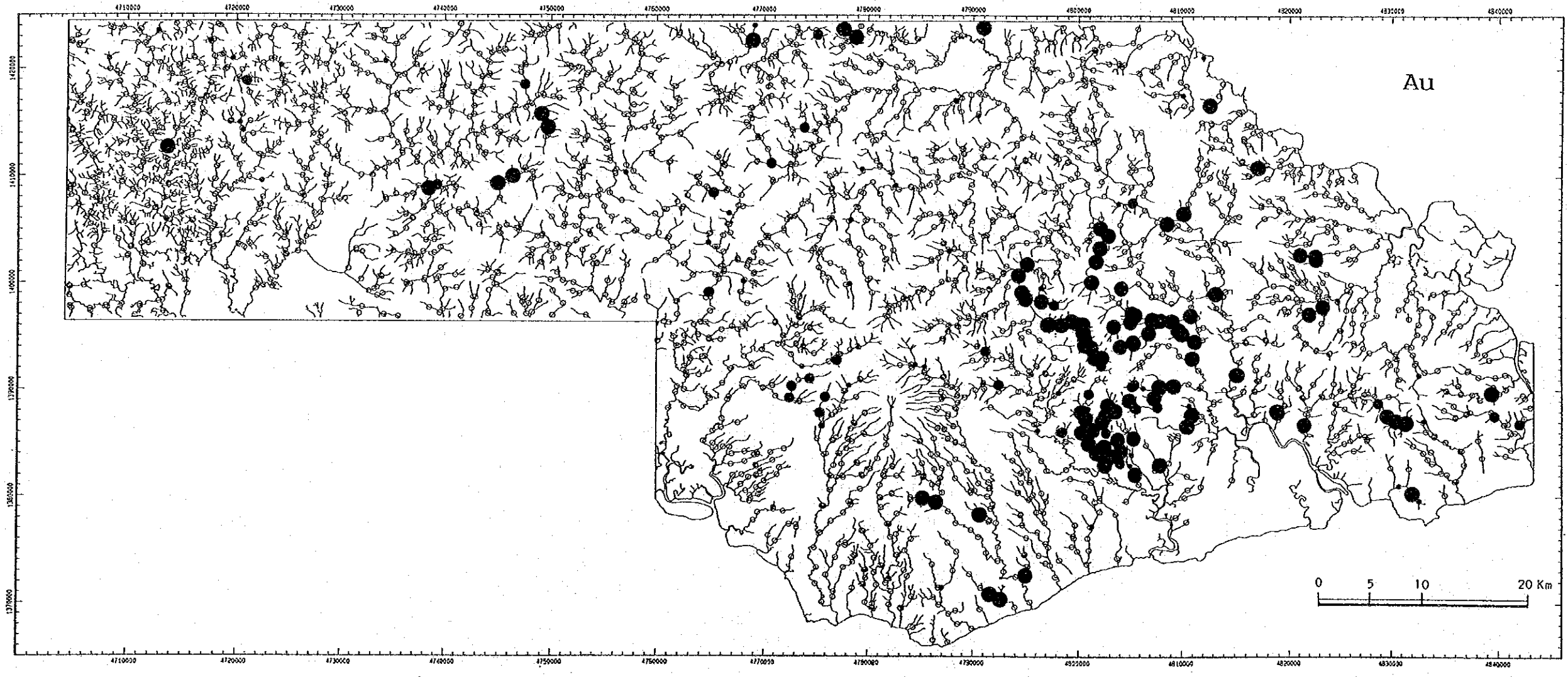


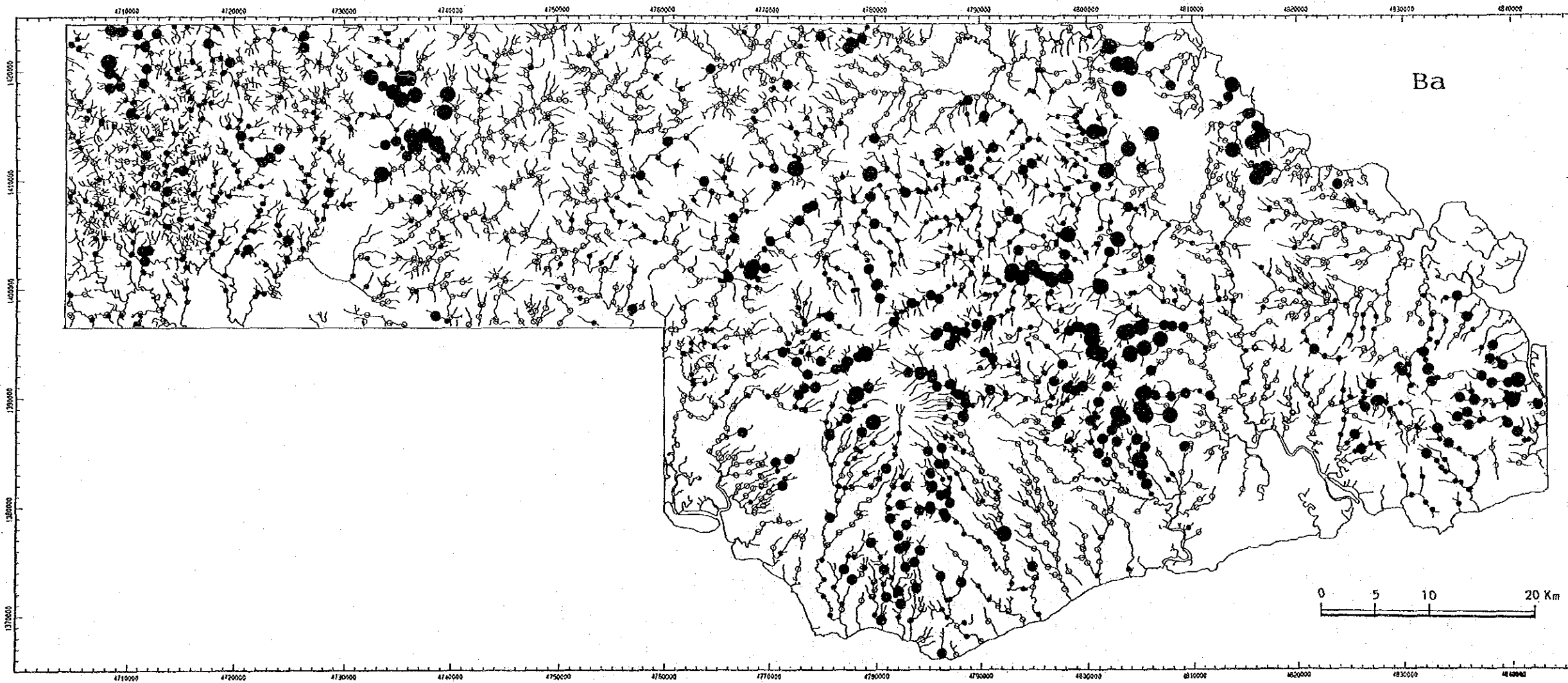
Appendix 15

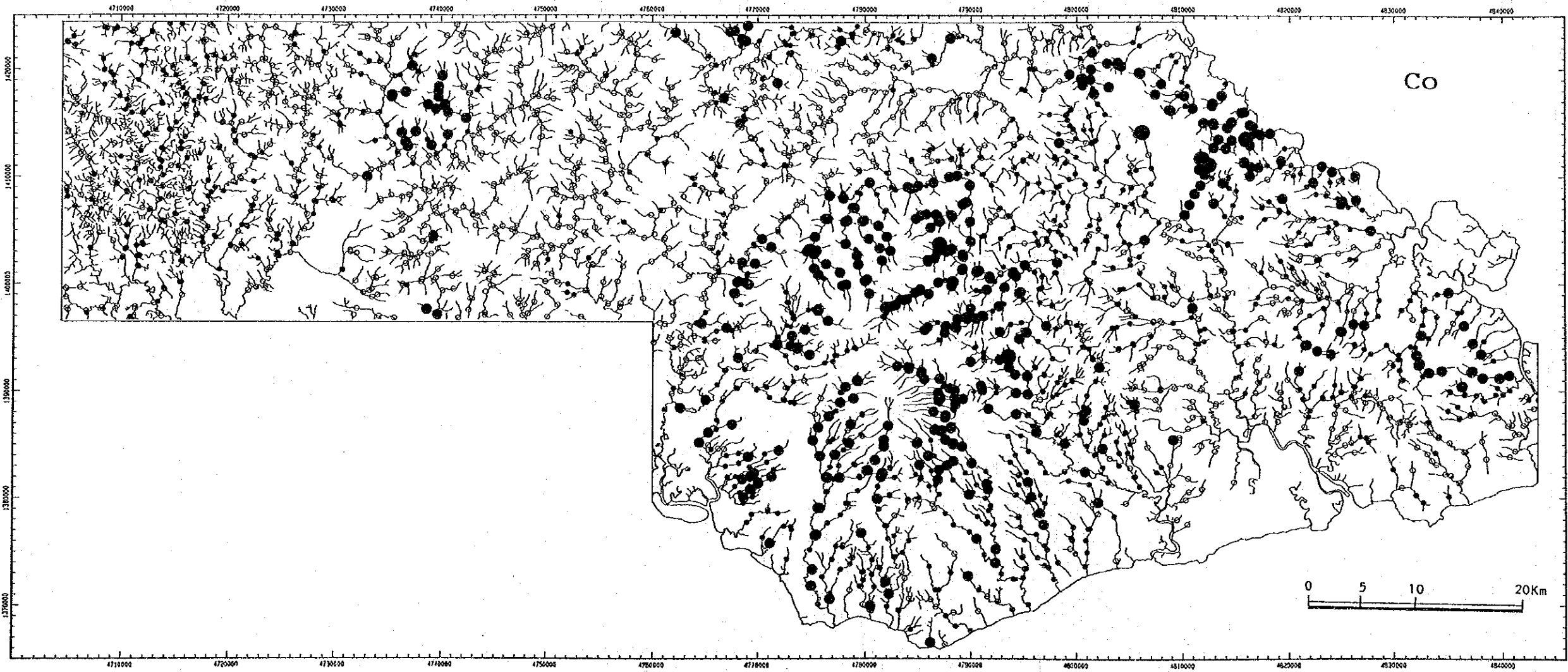
Distribution maps of element for stream sediments
in the Semporna area



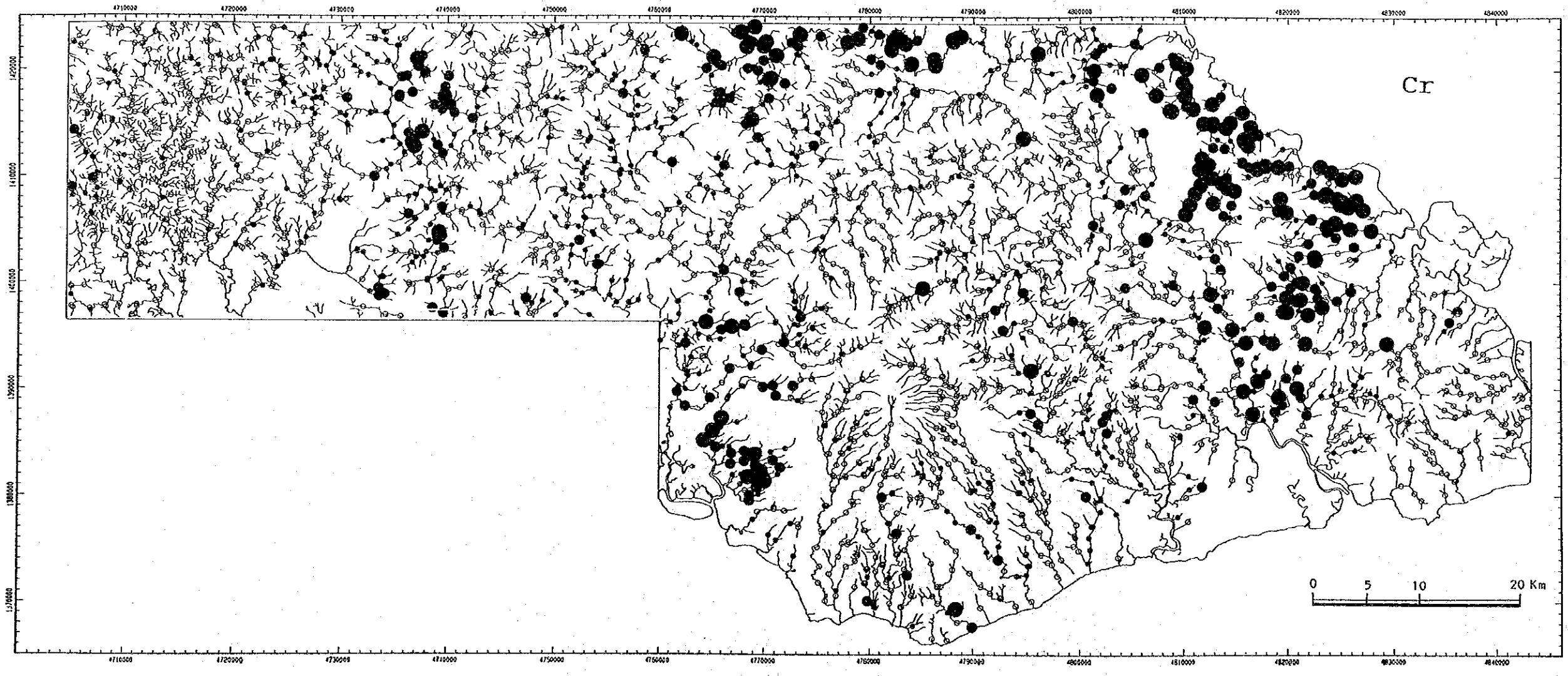
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 ● 8.11
 ● 1.81
 ○



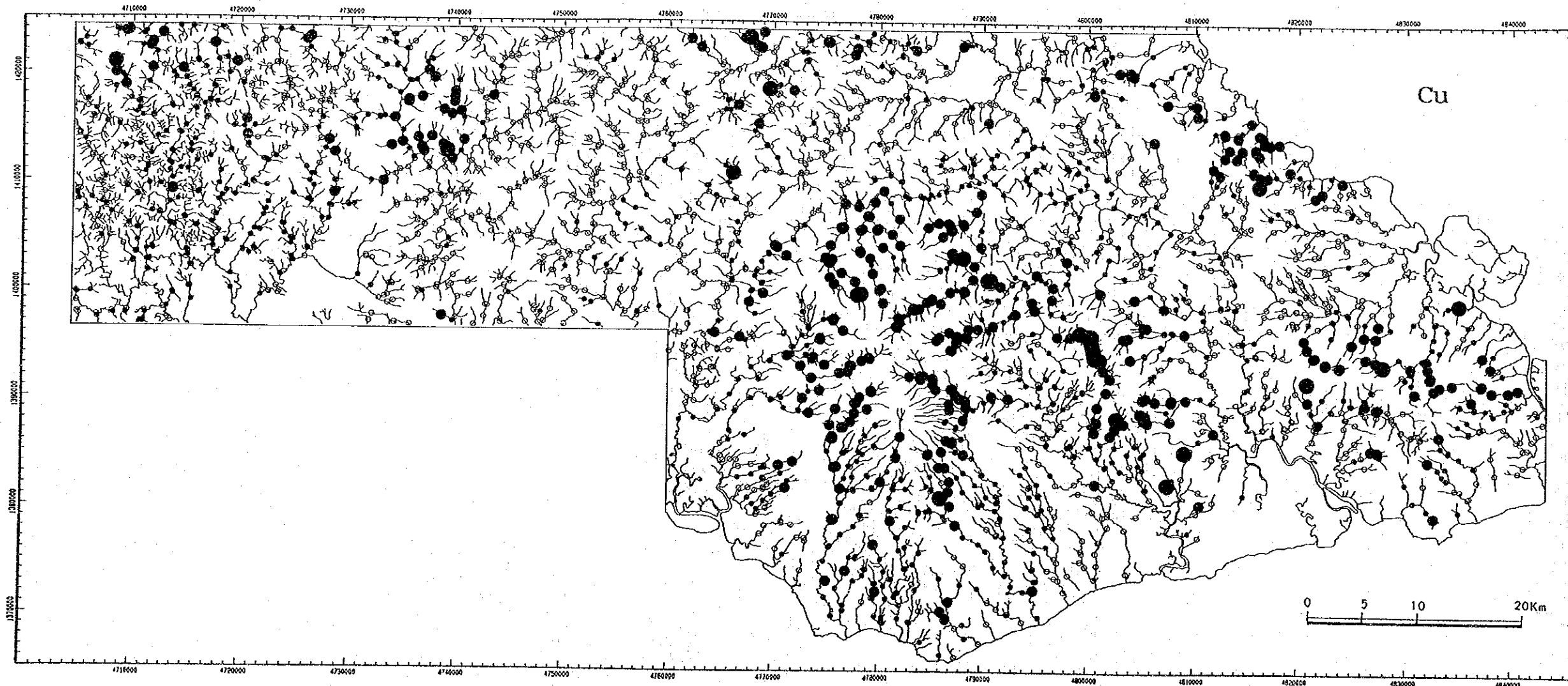


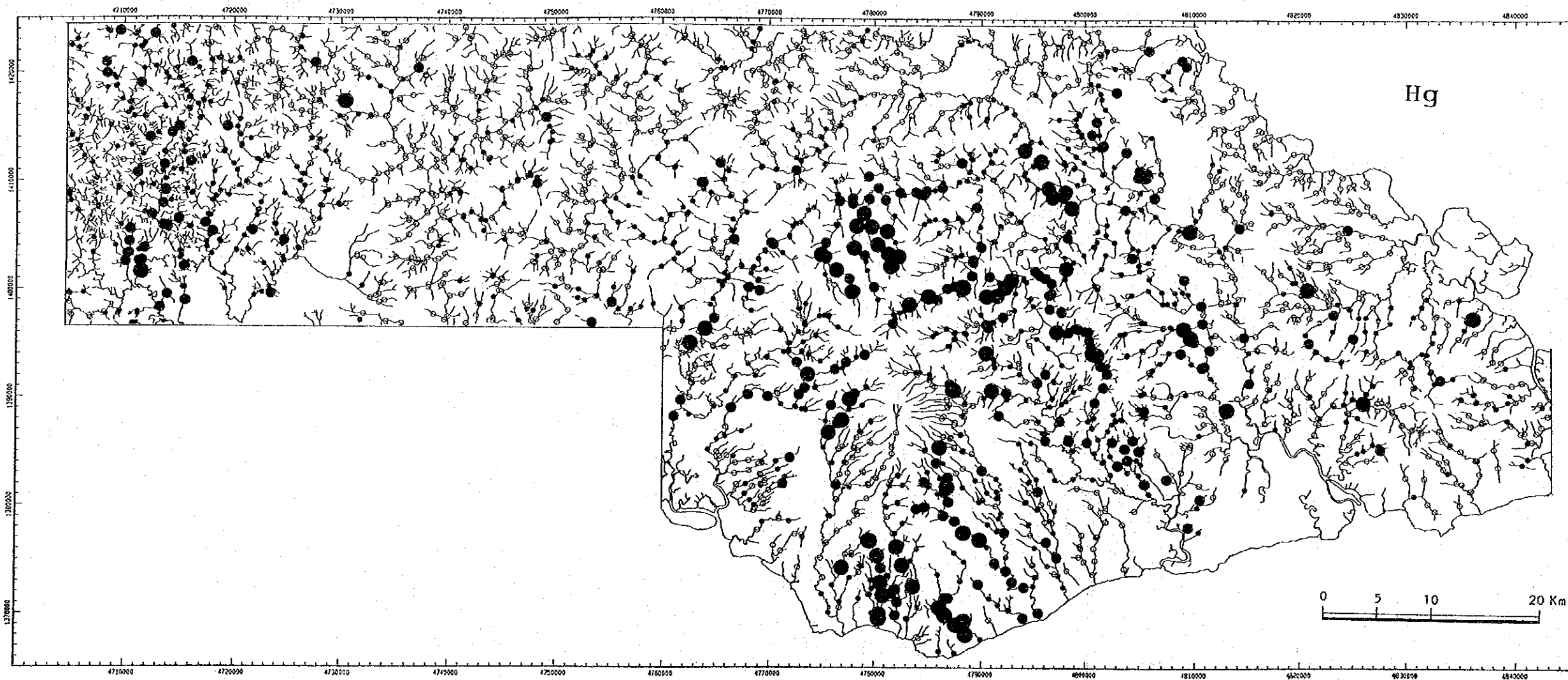


U.S. GEOLOGICAL SURVEY
 WATER RESOURCES DIVISION
 RENO, NEVADA



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 P. 10/10/14
 P. 10/10/14
 P. 10/10/14
 P. 10/10/14

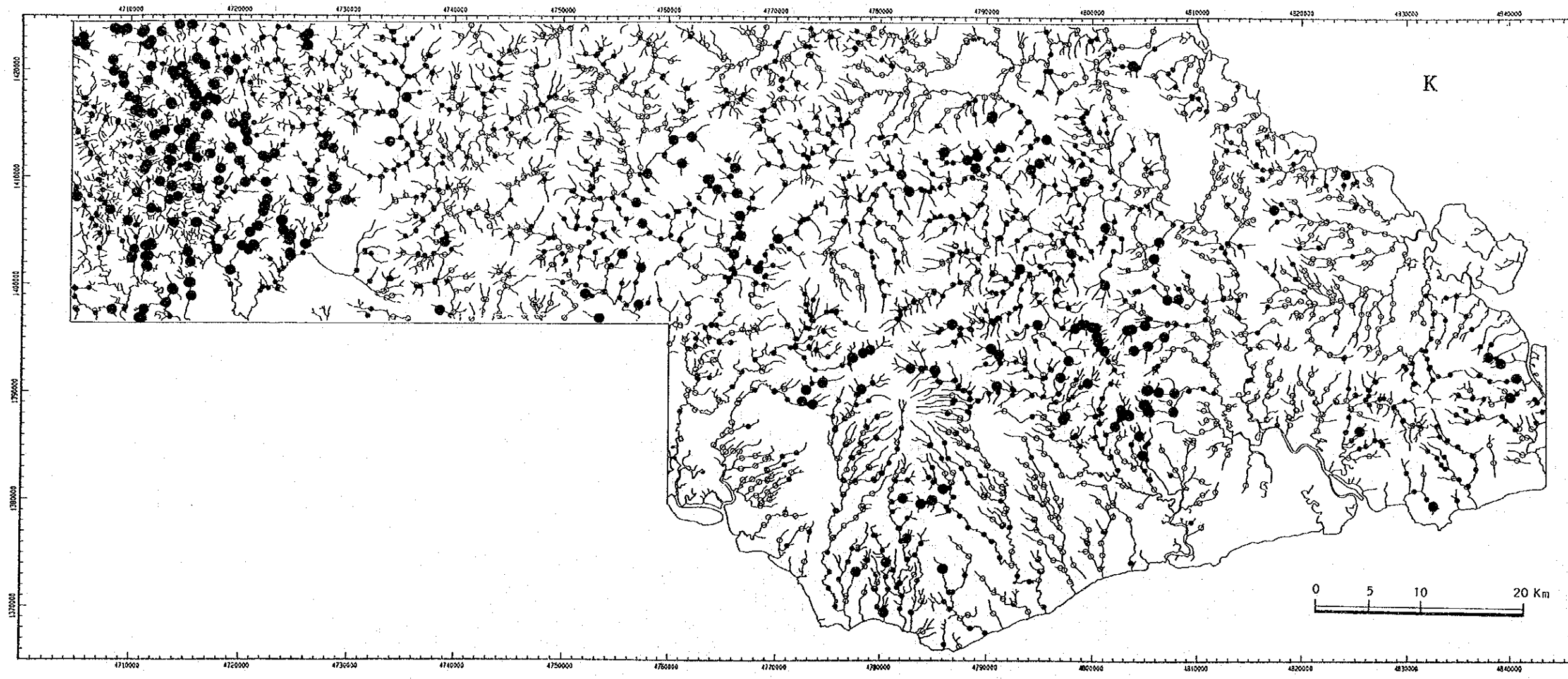


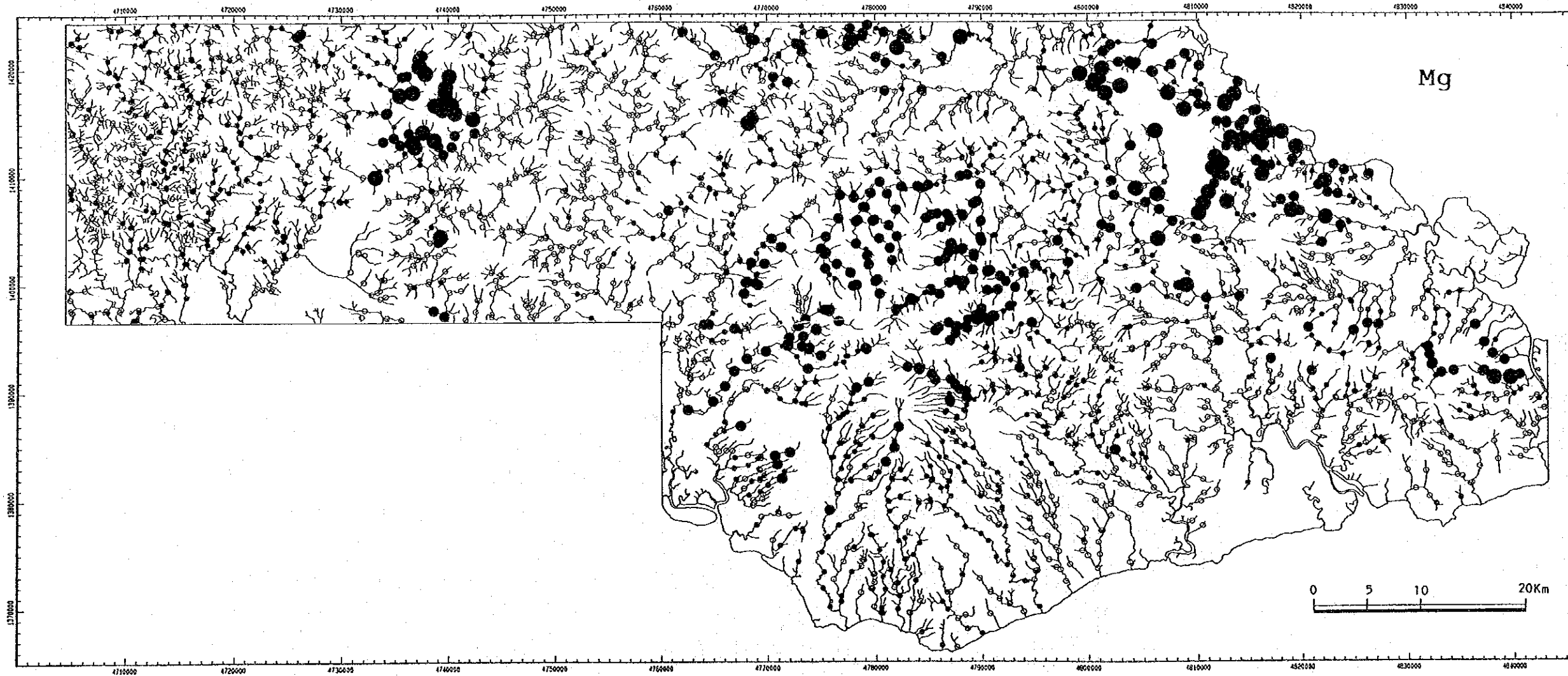


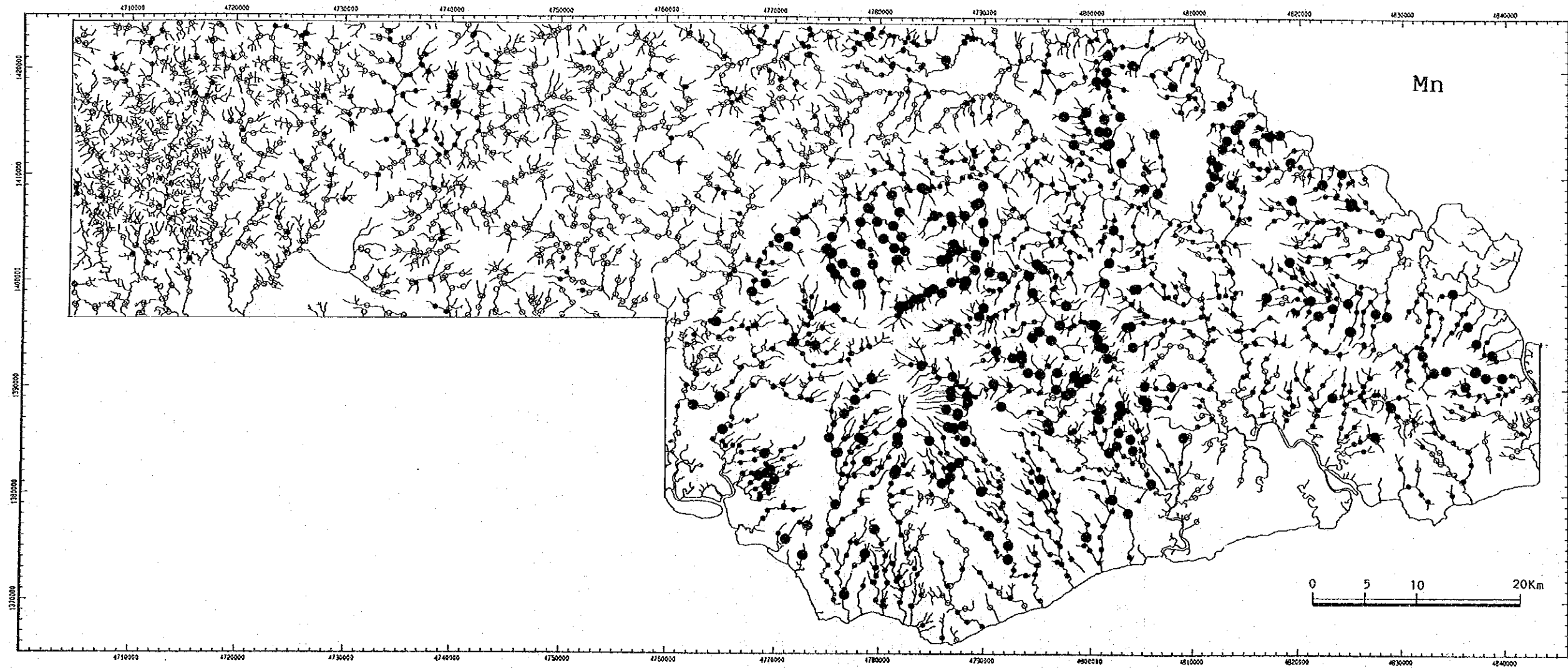
LEGEND

- 141.52 ppb
- 56.03
- 22.15

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 U.S. GEOLOGICAL SURVEY
 WATER RESOURCES DIVISION
 HYDROLOGIC MAP
 GSP-31-81



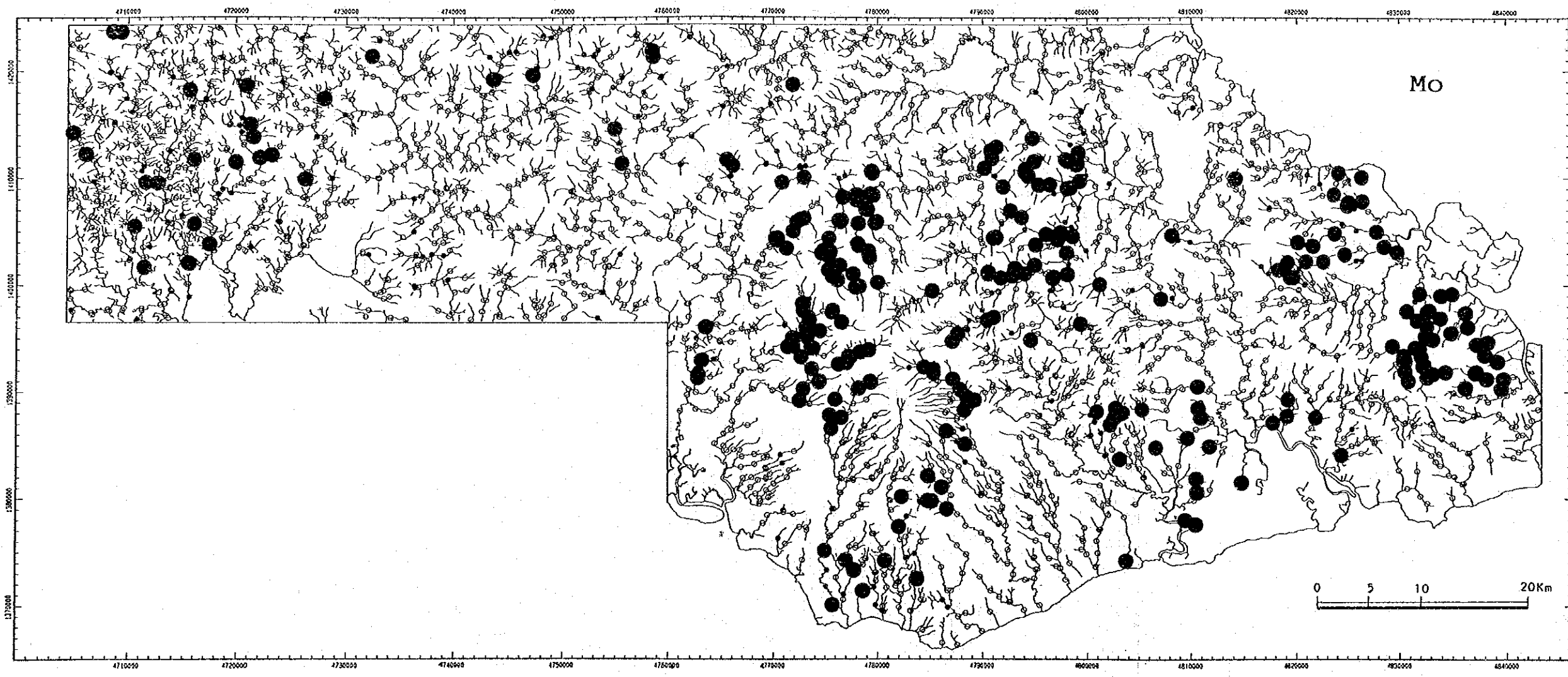




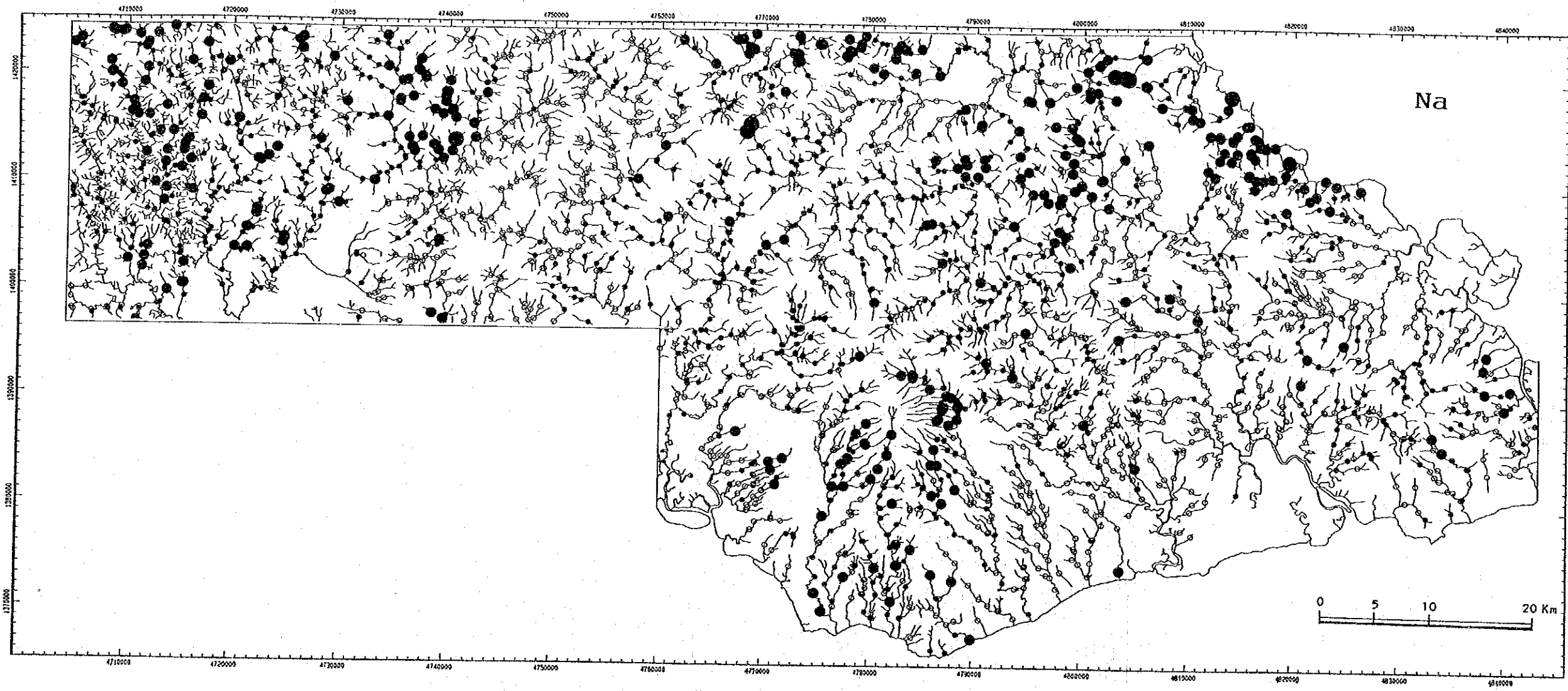
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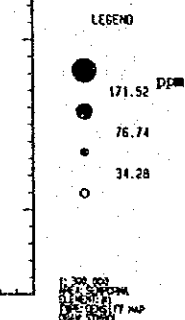
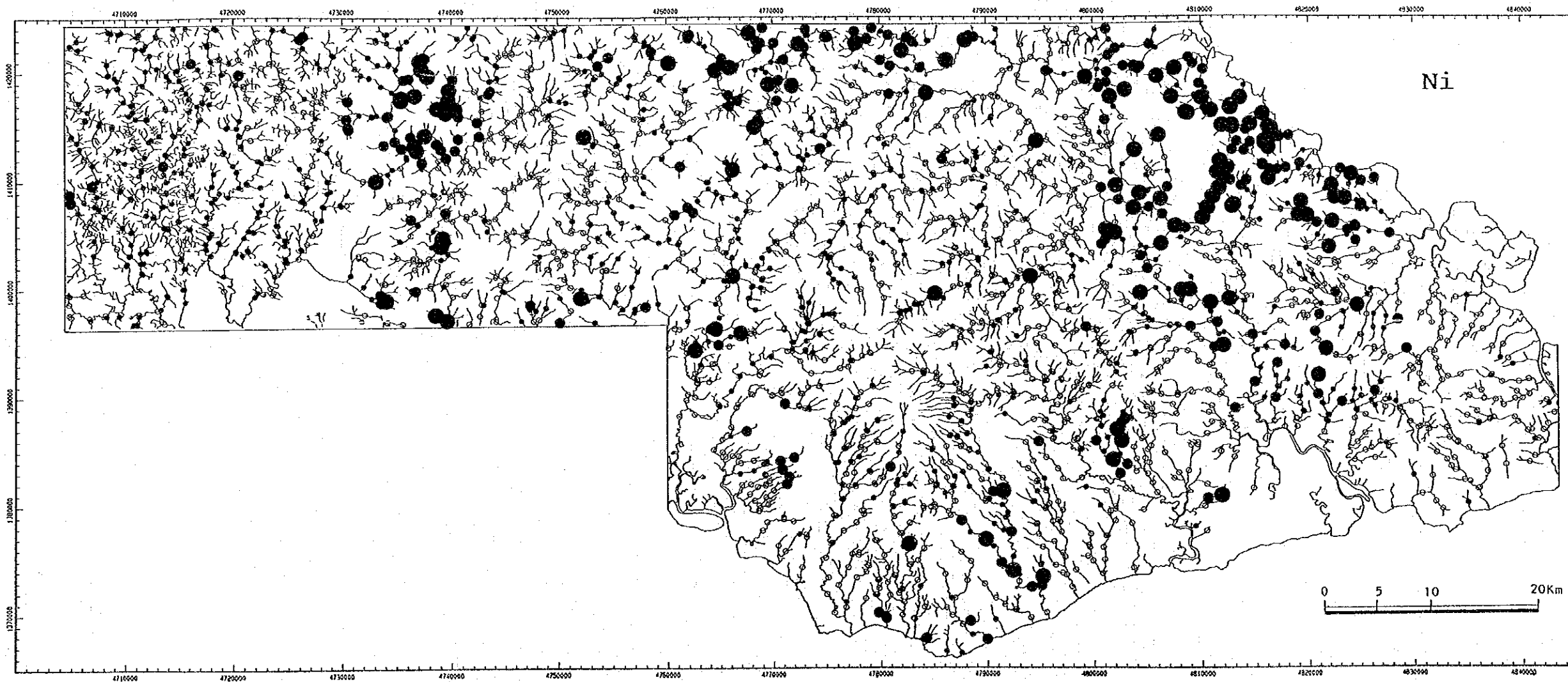
- 8994.89 D/m²
- 1578.97
- 276.93
-

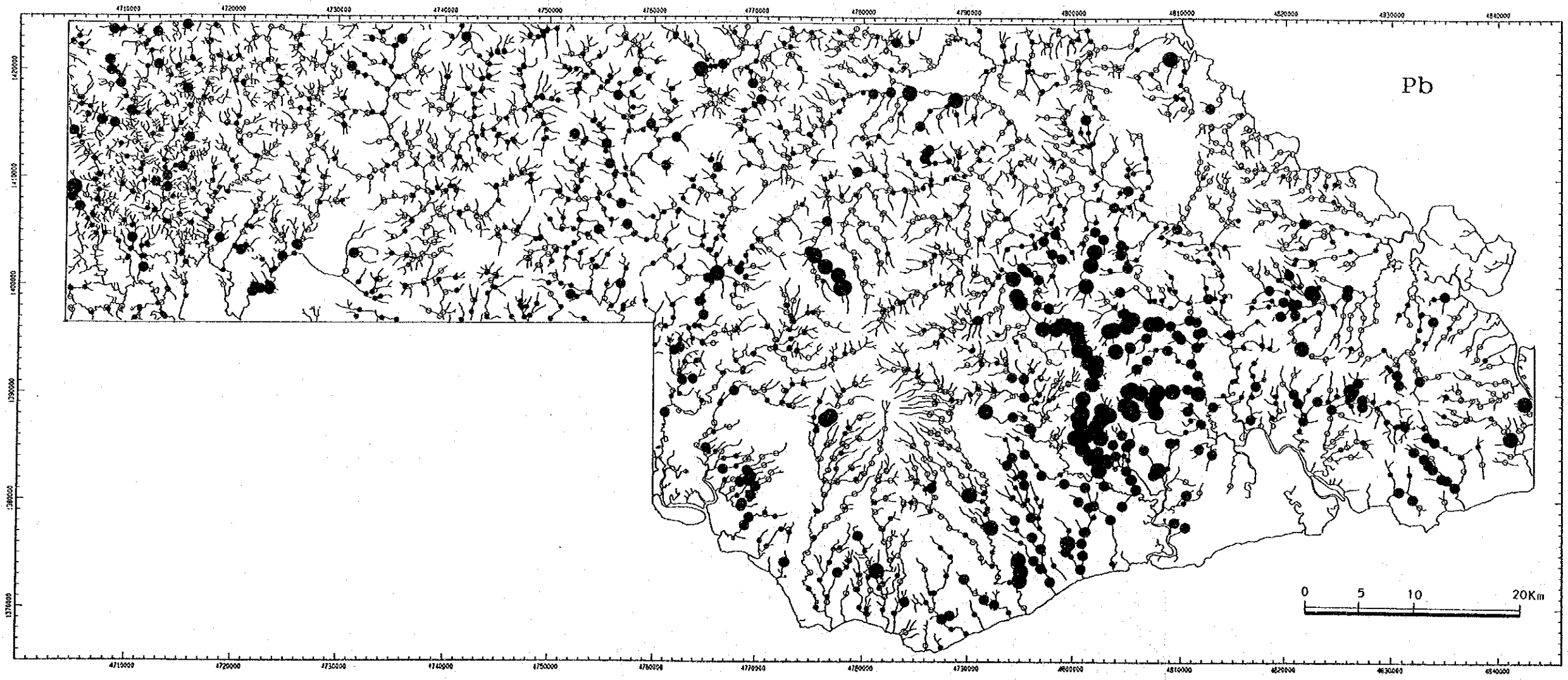
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 U.S. GEOLOGICAL SURVEY
 REGIONAL HYDROLOGIC DATA
 DENSITY MAP
 DATE 1978

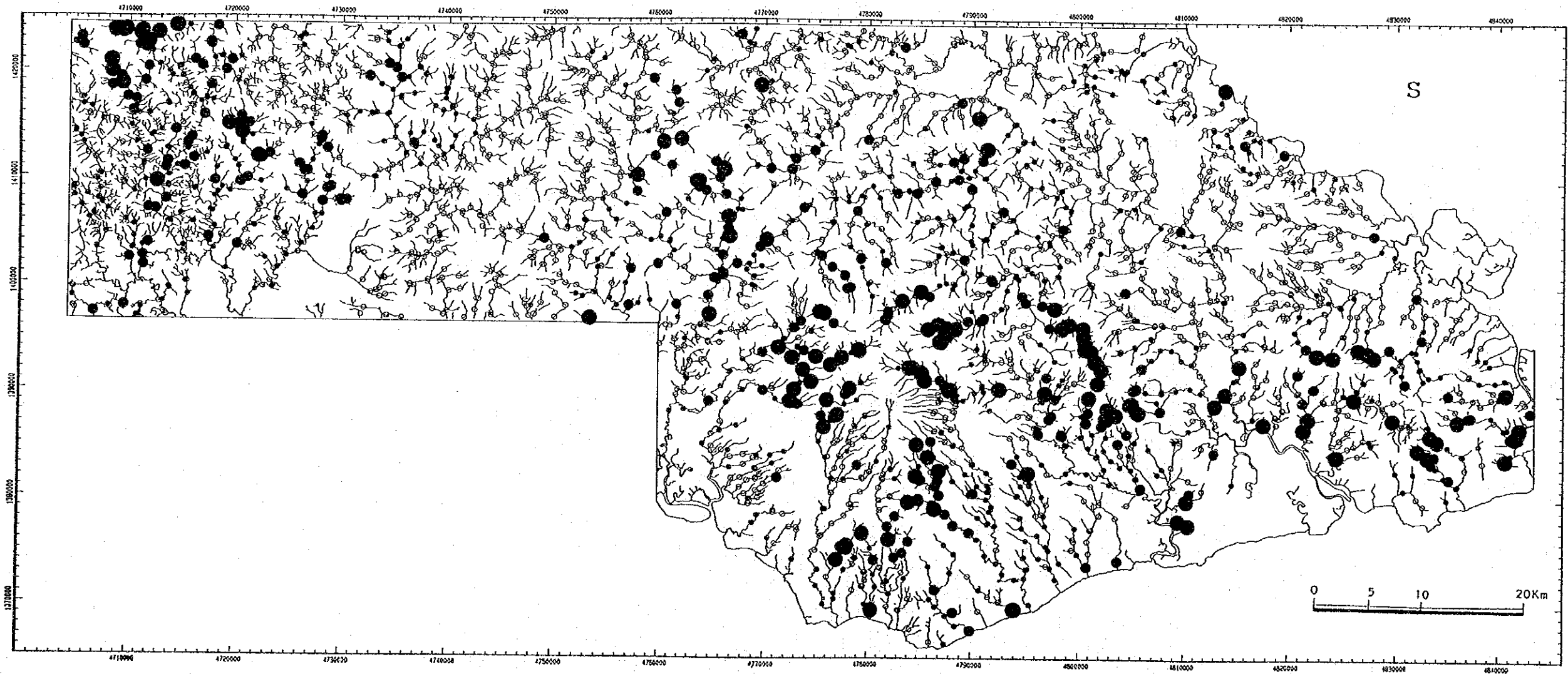


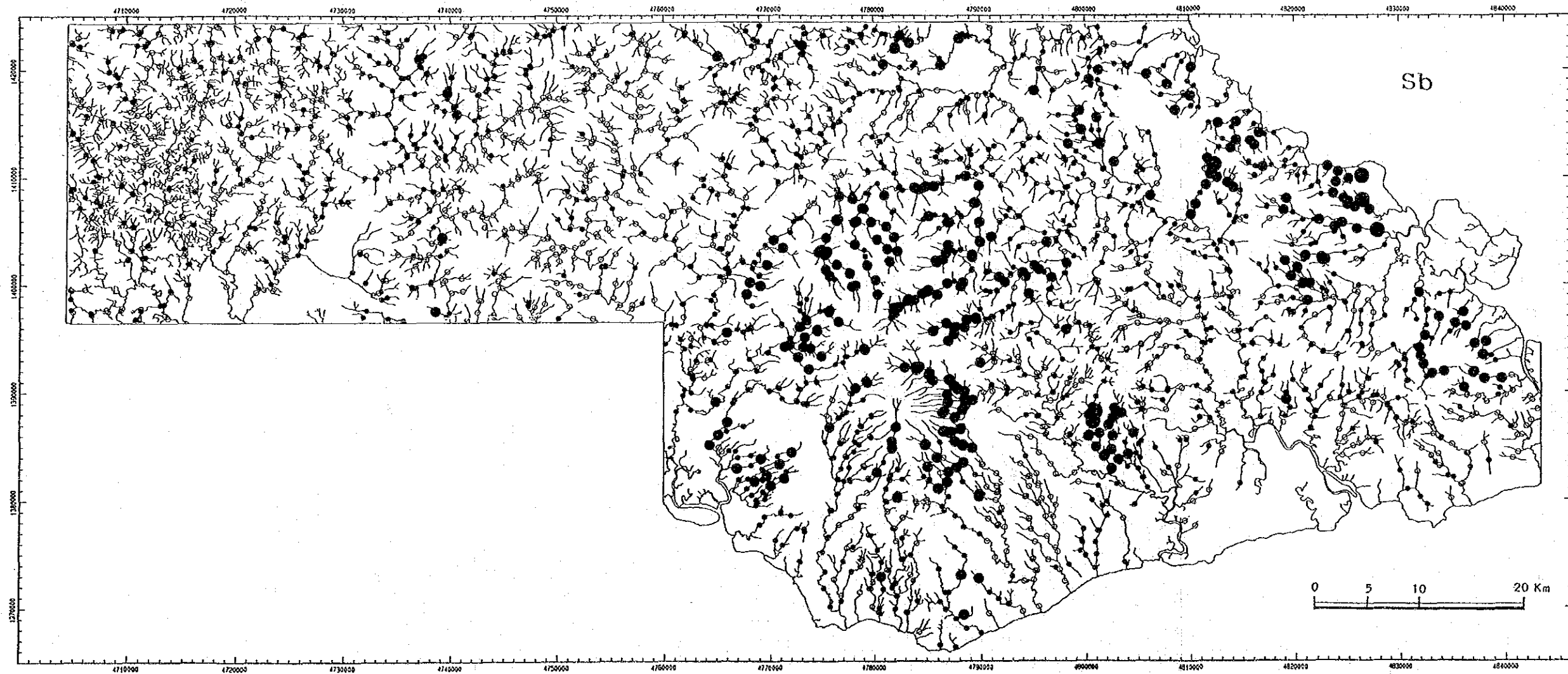
LEGEND
 ● 1.90
 ● 1.10
 ● 0.63
 ○ 0.315









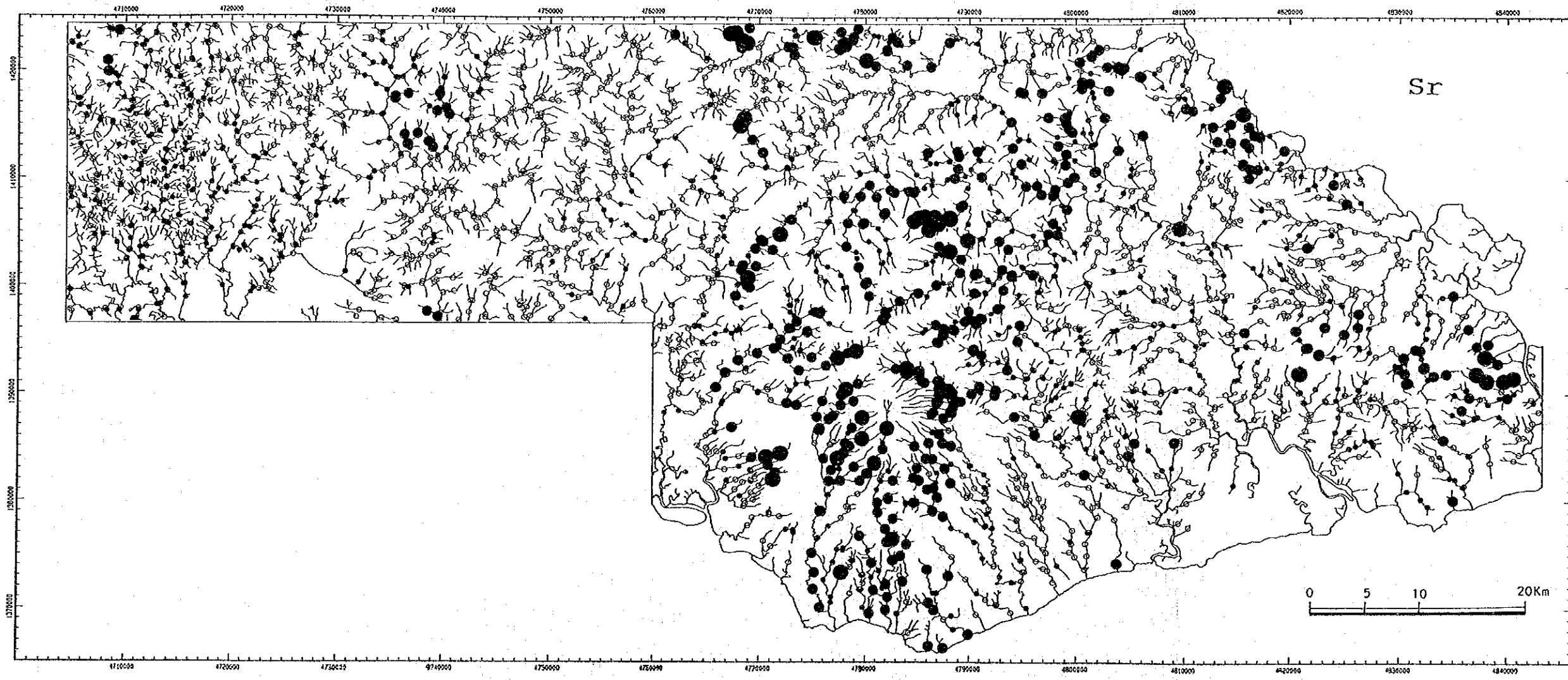


LEGEND

- 54.57 PPM
- 12.56
- 2.63

Scale: 0 5 10 20 Km

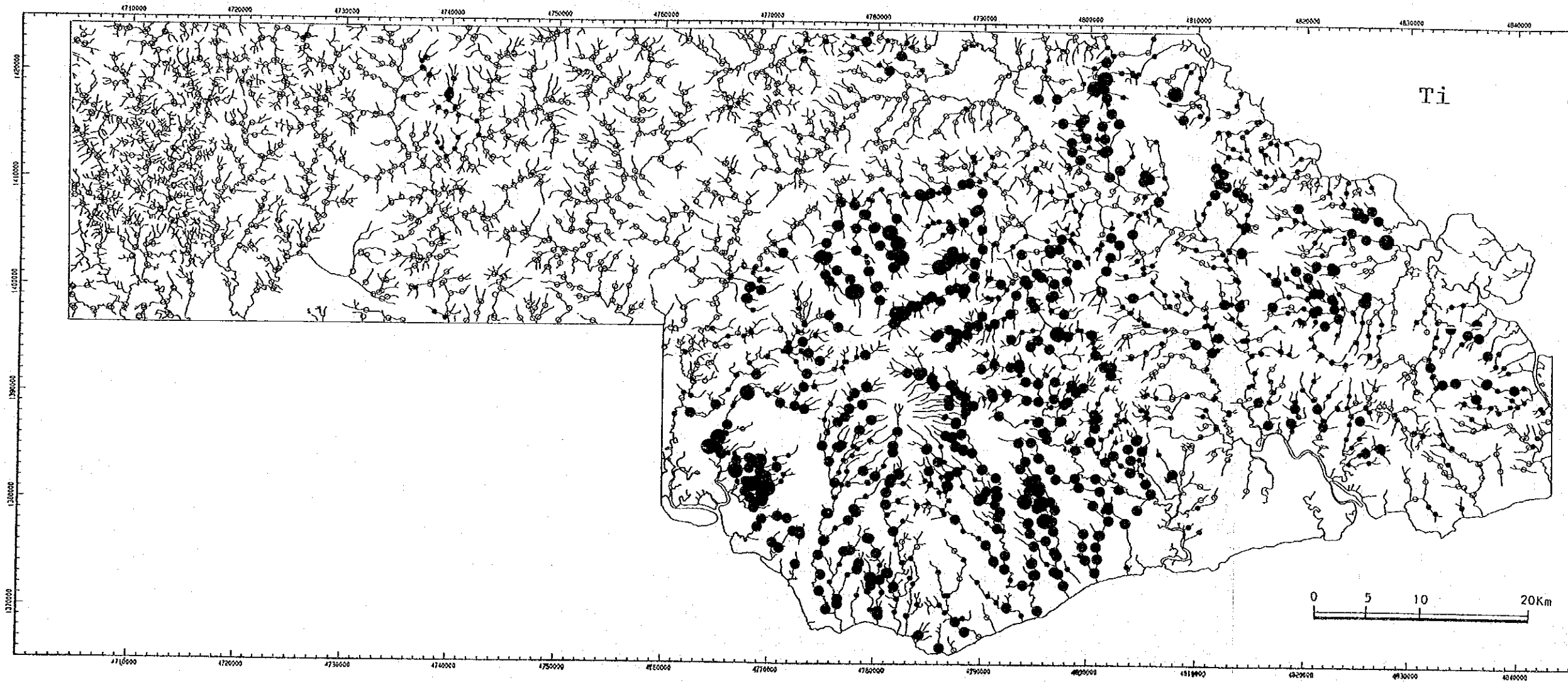
U.S. GEOLOGICAL SURVEY
 REGIONAL HYDROLOGIC MAP
 DUNE STATION

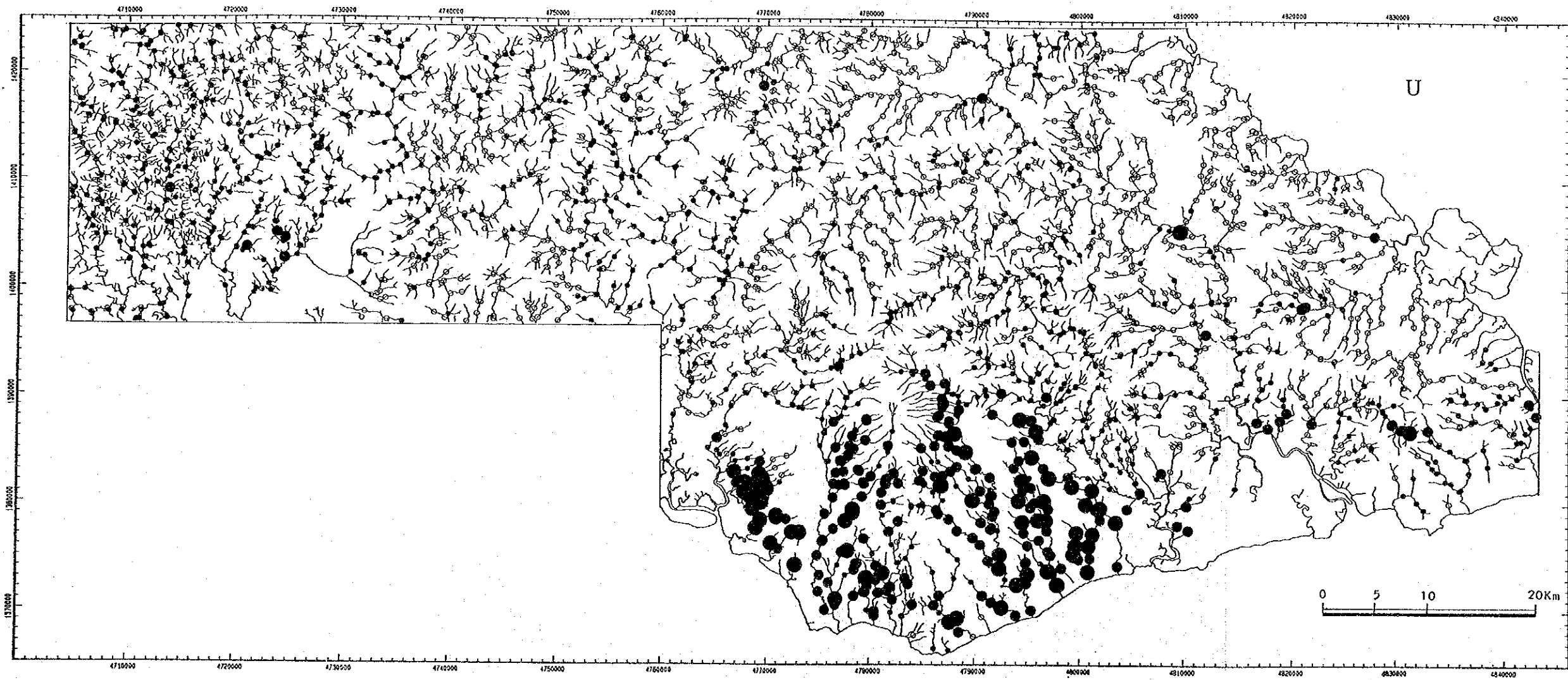


LEGEND

- 178.40 DPM
- 84.44
- 39.95
-

1:50,000
 DATE: 10/1/84
 BY: J. S. [unclear]
 TITLE: DENSITY MAP
 DATE: 10/1/84



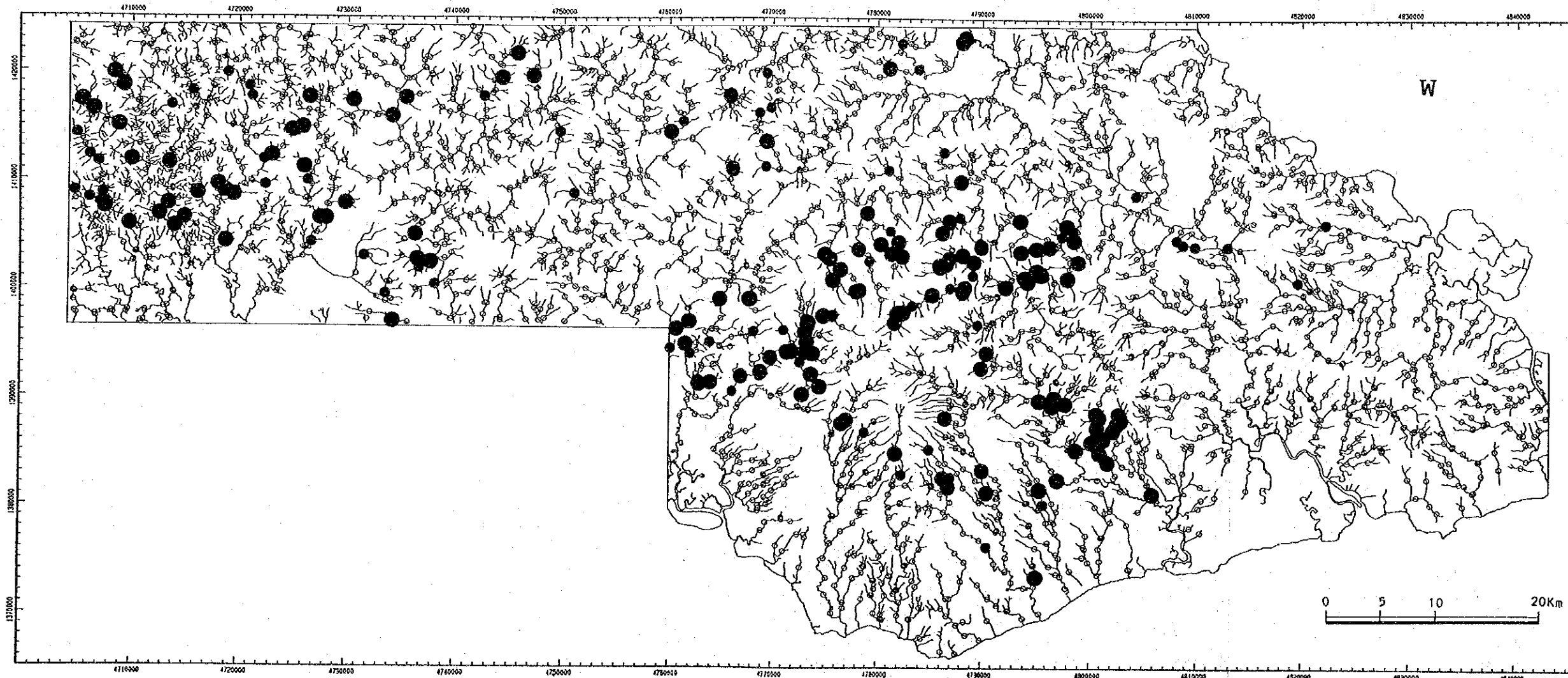


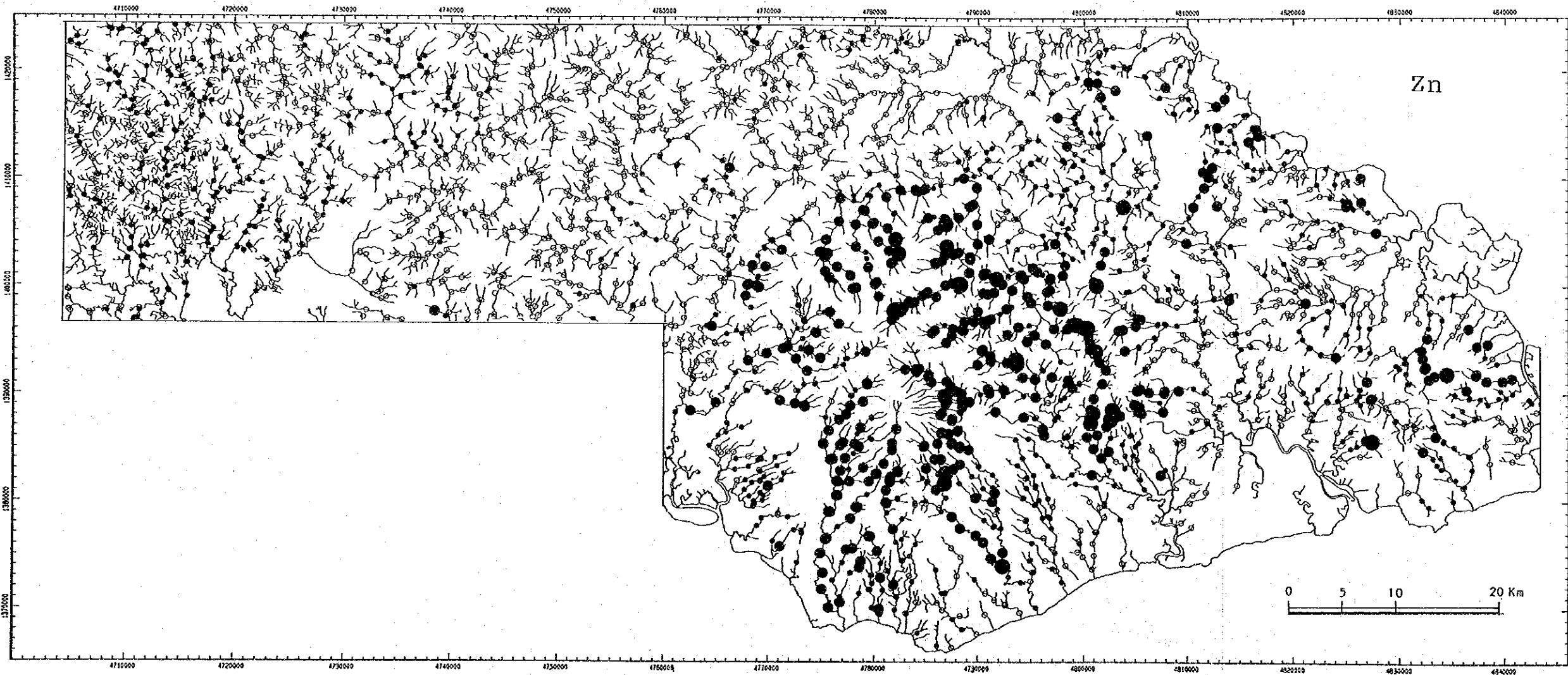
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- 4.76
- 2.50
- 1.32
- 0

0 5 10 20 Km

1:200,000
 11/4/80
 THE DENSITY MAP
 DR. 5783

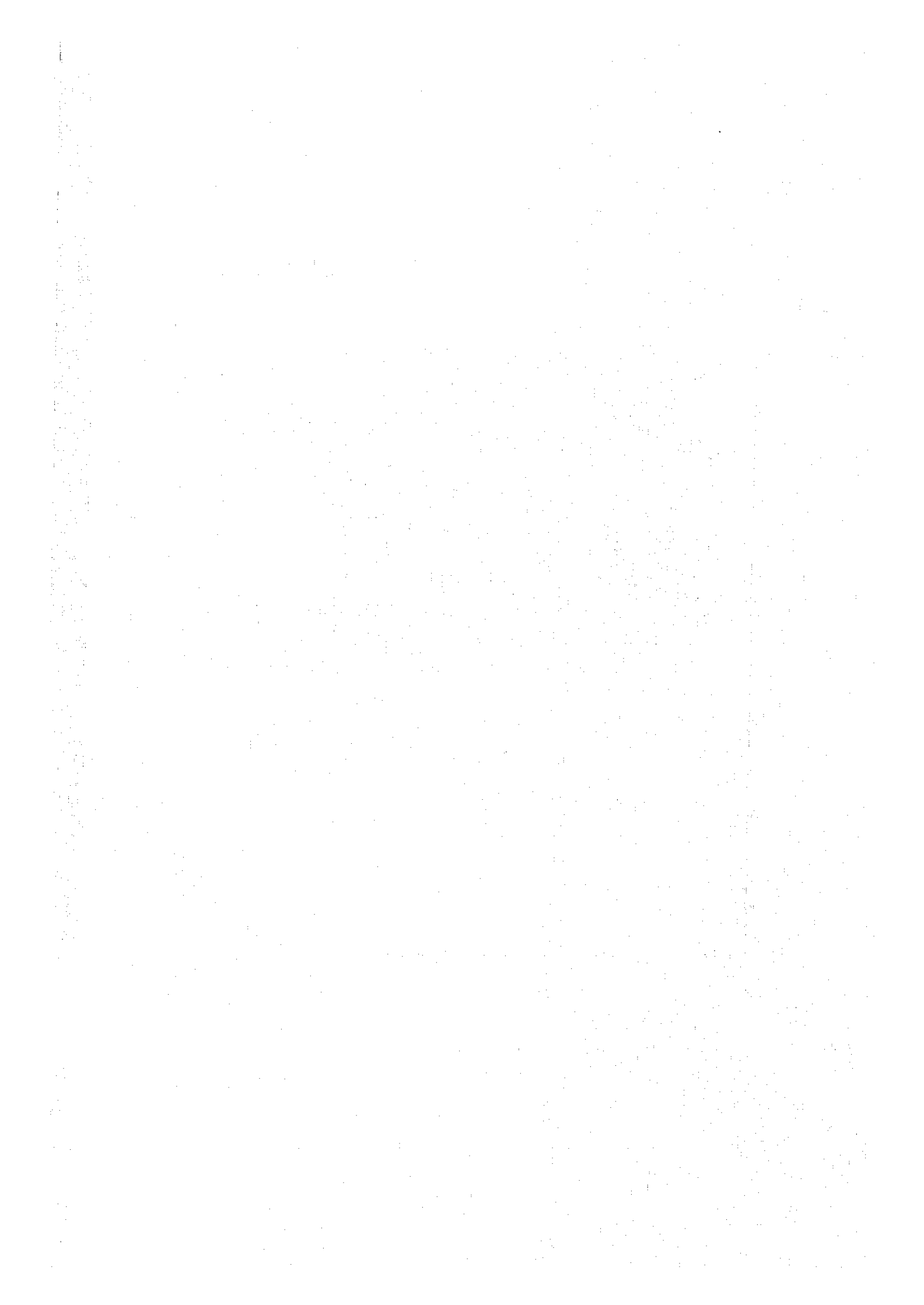




LEGEND

- 274.85
- 125.21
- 56.97
-

1:300,000
 UTM ZONE 48Q
 WGS 84
 DATE: 1981



Appendix 16

List of pan concentrate sample
in the Semporna area

Ser. No.	Sample No.	Coordinates		Topographic Map Sheet	Name of Stream	Weight (g)	Order	Width (m)	Flow *1	Size *2
		N	E							
1	B060	1406.15	4706.27	Sungai Tiagau	S. Kalabakan	< 1	3	3.0	3	4
2	B061	1412.40	4706.10	Sungai Tiagau	S. Kalabakan	1	3	8.0	4	2
3	B063	1398.10	4712.10	Sungai Tiagau	S. Kalabakan	< 1	2	4.0	3	3
4	D010	1408.00	4707.20	Sungai Tiagau	S. Kalabakan	< 1	3	6.0	1	1
5	D018	1398.75	4715.50	Sungai Tiagau	S. Kalabakan	< 1	2	4.0	2	1
6	B064	1398.10	4709.63	Sungai Tiagau	S. Anjeranjermut	< 1	3	15.0	3	3
7	B065	1397.87	4705.00	Sungai Tiagau	S. Anjeranjermut	< 1	3	9.0	1	2
8	M054	1409.63	4712.65	Sungai Tiagau	S. Tiagau	2	2	3.0	3	3
9	B057	1410.90	4713.55	Sungai Tiagau	S. Tiagau	1	3	5.0	2	3
10	B059	1410.05	4713.90	Sungai Tiagau	S. Tiagau	< 1	2	5.0	4	2
11	H056	1403.40	4720.05	Sungai Tiagau	S. Tiagau	1	2	5.0	3	3
12	D017	1402.20	4715.70	Sungai Tiagau	S. Tiagau	< 1	4	12.0	4	1
13	H059	1399.45	4722.16	Sungai Tiagau	S. Mawing	< 1	3	18.0	4	2
14	R015	1406.37	4727.35	Sungai Tiagau	S. Mawing	< 1	2	7.0	2	2
15	R016	1406.35	4727.93	Sungai Tiagau	S. Mawing	< 1	2	6.0	3	1
16	S019	1401.00	4723.63	Sungai Tiagau	S. Mawing	1	3	8.0	2	3
17	M053	1417.24	4710.40	Sungai Tiagau	S. Gukuam	< 1	2	5.0	1	3
18	M058	1420.65	4712.95	Sungai Tiagau	S. Gukuam	1	3	5.0	2	2
19	D015	1420.85	4712.33	Sungai Tiagau	S. Gukuam	< 1	3	10.0	4	1
20	D016	1422.80	4711.73	Sungai Tiagau	S. Gukuam	1	2	9.0	4	2
21	M062	1424.00	4718.17	Sungai Tiagau	—	< 1	2	7.0	2	2
22	D011	1415.35	4708.65	Sungai Tiagau	S. Tapie	< 1	2	7.0	4	2
23	D012	1408.48	4718.62	Sungai Tiagau	S. Luasong	< 1	3	10.0	3	1
34	D013	1412.00	4721.98	Sungai Tiagau	S. Luasong	< 1	2	9.0	3	1
25	D014	1409.95	4721.12	Sungai Tiagau	S. Luasong	< 1	3	6.0	1	1
26	S020	1414.90	4727.14	Sungai Tiagau	S. Geminchau	< 1	2	5.0	2	3
27	S021	1422.55	4723.23	Sungai Tiagau	—	1	2	6.0	2	3
28	S022	1423.00	4725.77	Sungai Tiagau	—	< 1	2	5.0	2	3
29	H050	1413.92	4742.72	Sungai Umas Umas	S. Muntai	6	3	10.0	3	3
30	H051	1412.00	4741.17	Sungai Umas Umas	S. Bang	5	2	2.0	2	3
31	H053	1411.10	4737.57	Sungai Umas Umas	S. Brantian	11	3	14.0	3	3
32	R003	1418.23	4734.75	Sungai Umas Umas	S. Brantian	2	3	20.0	4	1
33	R012	1422.27	4735.10	Sungai Umas Umas	S. Brantian	6	3	10.0	3	1
34	M036	1414.25	4742.50	Sungai Umas Umas	S. Gumbal	26	3	10.0	3	2
35	M039	1419.35	4743.87	Sungai Umas Umas	S. Gumbal	6	2	8.0	3	2
36	M048	1412.10	4735.90	Sungai Umas Umas	S. Geminchau	3	2	20.0	3	2
37	M049	1415.90	4733.95	Sungai Umas Umas	S. Brantian	3	2	3.0	4	1
38	S015	1406.48	4739.60	Sungai Umas Umas	S. Brantian	3	3	5.0	3	3
39	S016	1406.42	4741.34	Sungai Umas Umas	S. Toe	1	1	1.0	0	3
40	S017	1408.80	4738.26	Sungai Umas Umas	S. Serapi	1	2	4.0	2	3
41	S018	1402.77	4737.88	Sungai Umas Umas	S. Sirad Besar	1	2	3.0	2	3
42	B012	1397.88	4755.57	Sungai Umas Umas	S. Umas Umas	5	4	15.0	3	3
43	B013	1406.00	4753.30	Sungai Umas Umas	S. Umas Umas	6	2	3.0	2	1
44	B015	1410.30	4756.20	Sungai Umas Umas	S. Umas Umas	3	3	3.0	3	1
45	B016	1403.45	4751.45	Sungai Umas Umas	S. Umas Umas	2	2	9.0	3	2
46	B017	1404.00	4752.55	Sungai Umas Umas	S. Umas Umas	1	4	15.0	4	2
47	B018	1408.10	4753.23	Sungai Umas Umas	S. Umas Umas	2	3	8.0	3	2
48	B020	1417.65	4756.25	Sungai Umas Umas	S. Umas Umas	6	3	12.0	0	3
49	B021	1418.70	4756.62	Sungai Umas Umas	S. Umas Umas	7	3	8.0	2	1
50	B022	1404.38	4748.89	Sungai Umas Umas	S. Umas Umas	3	2	3.0	4	2

Stream flow*1: none(0), puddle(1), slow(2), moderate(3), fast(4)

Grain size*2: coarse-grained(1), medium-grained(2), fine-grained(3), clayey(4)

Ser. No.	Sample No.	Coordinates		Topographic Map Sheet	Name of Stream	Weight (g)	Order	Width (m)	Flow *1	Size *2
		N	E							
51	B029	1399.40	4739.83	Sungai Umas Umas	S. Brantian	7	4	20.0	3	3
52	B030	1397.20	4743.85	Sungai Umas Umas	—	2	2	8.0	3	3
53	B031	1399.30	4732.43	Sungai Umas Umas	—	5	3	7.0	0	3
54	M013	1400.80	4765.20	Sungai Tingkayu	S. Merutai Besar	3	2	5.0	3	3
55	M014	1401.00	4766.25	Sungai Tingkayu	S. Merutai Besar	82	2	7.0	2	3
56	A005	1413.65	4760.50	Sungai Tingkayu	S. Umas Umas	8	2	2.0	3	1
57	A006	1414.70	4760.20	Sungai Tingkayu	S. Umas Umas	5	2	3.5	4	1
58	A007	1420.30	4765.25	Sungai Tingkayu	S. Tingkayu	8	3	4.5	3	1
59	A008	1420.70	4765.80	Sungai Tingkayu	S. Tingkayu	12	2	5.0	3	1
60	M027	1401.20	4766.25	Sungai Tingkayu	S. Merutai Besar	8	2	10.0	2	2
61	M028	1401.55	4766.10	Sungai Tingkayu	S. Merutai Besar	2	3	10.0	3	3
62	H041	1420.65	4784.05	Sungai Tingkayu	S. Tingkayu	18	3	12.0	2	3
63	R001	1420.40	4783.90	Sungai Tingkayu	S. Tingkayu	5	2	8.0	3	1
64	H045	1417.85	4778.70	Sungai Tingkayu	S. Binuang	8	3	4.0	2	3
65	S014	1399.15	4786.00	Sungai Tingkayu	S. Malati	72	2	6.0	4	2
66	H046	1417.65	4781.85	Sungai Tingkayu	S. Binuang	3	2	4.0	3	3
67	M024	1404.44	4770.45	Sungai Tingkayu	S. Merotai Besar	27	2	6.0	3	1
68	B044	1423.35	4773.50	Sungai Tingkayu	S. Tingkayu	6	2	4.0	4	3
69	B048	1422.30	4772.80	Sungai Tingkayu	S. Tingkayu	30	2	3.0	3	3
70	B049	1423.35	4773.45	Sungai Tingkayu	S. Tingkayu	34	3	10.0	3	3
71	B054	1420.75	4769.15	Sungai Tingkayu	S. Tingkayu	6	2	5.0	2	3
72	M064	1414.85	4775.50	Sungai Tingkayu	S. Binuang	4	3	8.0	2	3
73	S023	1408.95	4779.15	Sungai Tingkayu	S. Langein	27	3	5.0	3	3
74	S024	1406.90	4779.00	Sungai Tingkayu	S. Durian	104	2	5.0	3	3
75	S025	1406.95	4778.75	Sungai Tingkayu	S. Tingkayu	149	2	6.0	3	3
76	T069	1408.95	4782.30	Sungai Tingkayu	S. Kalumpang	4	4	18.0	3	2
77	T070	1409.10	4782.45	Sungai Tingkayu	S. Jirangku	9	2	3.0	3	2
78	M001	1376.65	4775.60	Tawau North	S. Tawau	96	2	7.0	3	3
79	M002	1380.69	4776.52	Tawau North	S. Tawau	424	3	16.0	3	3
80	M004	1382.00	4776.20	Tawau North	S. Tawau	120	3	8.0	3	3
81	M005	1381.98	4776.52	Tawau North	S. Tawau	150	3	2.0	2	3
82	H009	1380.40	4786.94	Tawau North	S. Apas Kiri	45	3	7.0	3	2
83	M007	1394.16	4771.44	Tawau North	S. Merotai Besar	62	2	8.0	4	1
84	M008	1394.48	4771.57	Tawau North	S. Merotai Besar	21	3	10.0	2	2
85	M011	1390.55	4766.10	Tawau North	S. Merotai	120	2	15.0	2	2
86	M012	1394.15	4761.67	Tawau North	S. Merotai Besar	4	2	1.0	2	3
87	T024	1369.38	4783.12	Tawau North	S. Tiku	218	2	5.0	3	2
88	T025	1369.80	4781.92	Tawau North	S. Kinabatan B.	138	3	5.0	2	3
89	B001	1379.84	4768.50	Tawau North	S. Merotai Kecil	774	2	2.0	4	2
90	B002	1385.20	4764.40	Tawau North	S. Merotai Kecil	707	3	5.0	1	3
91	B005	1390.33	4768.35	Tawau North	S. Merotai Kecil	50	3	10.0	3	1
92	B008	1389.70	4761.88	Tawau North	S. Merotai Besar	20	3	10.0	1	3
93	B009	1370.30	4775.60	Tawau North	S. Tawau	445	4	12.0	4	3
94	B010	1395.13	4764.08	Tawau North	S. Merotai Besar	2	2	3.0	2	3
95	B024	1370.76	4776.77	Tawau North	S. Tawau	44	3	2.5	4	2
96	H014	1408.60	4806.38	Mostyn	S. Limau	100	3	7.0	4	3
97	H017	1410.82	4801.62	Mostyn	S. Limau	14	1	3.0	4	3
98	H018	1410.95	4801.85	Mostyn	S. Limau	34	3	5.0	4	3
99	D002	1420.69	4295.70	Mostyn	S. Tingkayu	7	2	5.0	4	1
100	H020	1421.33	4809.08	Mostyn	S. Matarid	14	2	3.0	2	1

Stream flow*1: none (0), puddle (1), slow (2), moderate (3), fast (4)

Grain size*2: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4)

Ser. No.	Sample No.	Coordinates		Topographic Map Sheet	Name of Stream	Weight (g)	Order	Width (m)	Flow *1	Size *2
		N	E							
101	H021	1420.20	4810.23	Mostyn	S. Lormalang	30	2	4.0	3	2
102	H023	1409.13	4800.85	Mostyn	S. Kalumpang	3	3	4.0	2	3
103	H024	1407.10	4804.55	Mostyn	S. Kalumpang	8	2	5.0	2	3
104	S008	1397.81	4792.70	Mostyn	S. Mantri	285	2	6.0	3	2
105	D003	1403.20	4812.61	Mostyn	S. Kalumpang	20	3	6.0	4	1
106	D004	1423.95	4805.82	Mostyn		23	2	2.0	3	1
107	H037	1420.15	4792.18	Mostyn	S. Binuang	4	3	7.0	2	3
108	H038	1417.50	4791.16	Mostyn	S. Binuang	10	2	4.0	2	3
109	T035	1404.30	4797.19	Mostyn	S. Mantri	50	2	6.0	2	2
110	T036	1410.86	4790.15	Mostyn	S. Kalumpang	21	2	3.8	2	2
111	T038	1407.56	4789.64	Mostyn	S. Malati	275	3	6.0	3	2
112	T039	1407.50	4789.35	Mostyn	S. Malati	97	2	5.5	3	2
113	M029	1410.40	4789.60	Mostyn	S. Kara	94	2	10.0	2	2
114	S010	1400.82	4793.88	Mostyn	S. Mantri	50	2	6.0	2	3
115	S011	1401.16	4793.98	Mostyn	S. Mantri	23	2	2.0	2	3
116	S012	1401.43	4795.50	Mostyn	S. Mantri	151	2	5.0	3	3
117	S013	1402.78	4789.15	Mostyn	S. Malati	290	2	6.0	3	3
118	T063	1410.67	4794.05	Mostyn	S. Kalumpang	23	2	2.0	3	2
119	T067	1409.08	4798.00	Mostyn	S. Kalumpang	11	2	1.5	3	2
120	T068	1407.12	4799.15	Mostyn	S. Mantri	16	3	8.0	2	2
121	H062	1417.40	4788.90	Mostyn	S. Binuang	6	1	3.0	3	2
122	H063	1417.15	4788.45	Mostyn	S. Binuang	7	3	5.0	3	3
123	S001	1375.10	4797.18	Apas-Balang	S. Gading	116	3	4.0	2	3
124	T001	1373.67	4797.36	Apas-Balang	S. Gading	54	3	4.0	2	3
125	T002	1372.55	4793.90	Apas-Balang	S. Apas	312	3	8.0	2	3
126	T004	1380.38	4789.82	Apas-Balang	S. Apas	635	2	6.5	3	2
127	H004	1390.00	4811.45	Apas-Balang	S. Pang Burong	5	3	6.0	3	3
128	A001	1381.15	4805.76	Apas-Balang	S. Balung	52	2	4.0	2	3
129	A002	1385.00	4801.10	Apas-Balang	S. Balung Kanan	36	2	3.5	3	1
130	A003	1382.95	4802.33	Apas-Balang	S. Balung	164	3	5.0	4	1
131	A004	1392.80	4810.60	Apas-Balang	S. Pang Burong	3	2	4.0	2	2
132	H005	1396.38	4808.90	Apas-Balang	S. Tundang	5	3	5.0	3	1
133	T007	1387.95	4797.35	Apas-Balang	S. Balung	45	2	4.0	3	2
134	T008	1389.80	4795.36	Apas-Balang	S. Balung	628	3	7.0	2	3
135	T011	1395.92	4800.28	Apas-Balang	S. Mantri	162	2	8.0	3	2
136	H006	1373.65	4800.84	Apas-Balang	S. Wakuba	38	2	5.0	1	3
137	H007	1374.12	4803.70	Apas-Balang	S. Jerangan	6	2	6.0	0	4
138	T013	1368.10	4788.40	Apas-Balang	S. Membalua	48	2	6.0	2	3
139	D001	1389.15	4789.00	Apas-Balang	S. Balung	88	2	8.0	4	1
140	T029	1394.35	4815.10	Apas-Balang	S. Kalumpang	11	2	5.0	2	3
141	T058	1389.37	4789.05	Apas-Balang	S. Balung	434	2	6.0	3	2
142	S007	1399.06	4834.87	Pulau Timbun Mata	—	9	1	1.0	2	2
143	T044	1399.10	4831.95	Pulau Timbun Mata	—	41	3	4.0	2	2
144	T046	1397.30	4836.60	Pulau Timbun Mata	S. Sing Sing	522	2	2.0	2	2
145	T050	1404.97	4827.92	Pulau Timbun Mata	S. Sipit Lahungi	178	3	6.0	2	3
146	T051	1403.52	4828.51	Pulau Timbun Mata	—	9	2	5.0	2	3
147	T052	1403.05	4829.70	Pulau Timbun Mata	S. Sipit	8	3	60.0	2	4
148	T055	1406.90	4897.16	Pulau Timbun Mata	—	285	2	2.5	2	2
149	T056	1411.04	4820.15	Pulau Timbun Mata	S. Sapang	19	3	3.5	3	2
150	S002	1387.23	4818.84	Kalumpang	S. Kalumpang	50	2	1.0	2	3

Stream flow*1: none(0), puddle(1), slow(2), moderate(3), fast(4)

Grain size*2: coarse-grained(1), medium-grained(2), fine-grained(3), clayey(4)

Ser. No.	Sample No.	Coordinates		Topographic Map Sheet	Name of Stream	Weight (g)	Order	Width (m)	Flow *1	Size *2
		N	E							
151	T015	1387.55	4816.50	Kalumpang	S. Kalumpang	71	2	2.5	2	3
152	S004	1384.89	4825.17	Kalumpang	S. Gading Gading	10	2	5.0	2	2
153	T018	1387.73	4824.42	Kalumpang	S. Gading Gading	39	3	5.0	3	2
154	T019	1381.46	4835.72	Kalumpang	S. Mantaritip	3	2	2.0	2	3
155	T020	1381.60	4836.09	Kalumpang	S. Mantaritip	32	2	5.0	2	2
156	T023	1383.55	4833.37	Kalumpang	S. Mantaritip	11	1	2.5	4	2
157	S006	1394.00	4831.93	Kalumpang	S. Separong	72	2	3.0	2	3
158	T030	1386.57	4821.36	Kalumpang	S. Pinang Besar	6	2	3.0	2	3
159	T047	1390.15	4840.70	Kalumpang	S. Gading	61	3	6.0	2	3
160	T042	1394.22	4831.56	Kalumpang	S. Separong	2	2	2.5	2	2

Stream flow*1: none(0), puddle(1), slow(2), moderate(3), fast(4)

Grain size*2: coarse-grained(1), medium-grained(2), fine-grained(3), clayey(4)

Appendix 17

Results of qualitative mineral examination
of pan concentrates in the Semporna area

Area: Semporna area

Ser. No.	Sample No.	Native gold	Magnetite	Chromite	Spinel	Hematite	Ilmenite	Leucoxene	Rutile	Brookite	Anatase	Cassiterite	Marcasite	Pyrite	Goethite	Chalcopyrite	Bornite	Augite	Hypersthene	Hornblende	Actinolite	Clinozoisite	Tourmaline	Garnet	Zircon	Monazite	Quartz	Plagioclase	Clastics	Calcite	Topaz	
1	B060		Tr				6	Tr	Tr					Tr	Tr										18	Tr	76	Tr				
2	B061		Tr			Tr	8	Tr	Tr																12	Tr	80	Tr				
3	B063		15				12	Tr	Tr	Tr					22										6	Tr	42	3				
4	D010		Tr				44		Tr		Tr			Tr					Tr						24	Tr	32	Tr				
5	D018		Tr		Tr		3							Tr	8										Tr		79	Tr	10			
6	B064		4				20	Tr	Tr	Tr	Tr			8	Tr									19	Tr	49	Tr					
7	B065		4				20	Tr	Tr	Tr				Tr					Tr						26	Tr	50	Tr				
8	M054		Tr				Tr							3	22												61	4	10			
9	B057		1				3		Tr					2	2										3		84	Tr	5			
10	B059		Tr				3	Tr	Tr	Tr	Tr			2	2										1	Tr	92	Tr				
11	H056		Tr				Tr			3				Tr	2										Tr		90	Tr	5			
12	D017		Tr				2	Tr	Tr					Tr	1									Tr	Tr	Tr	97	1				
13	H059		2	22			25	Tr	Tr	6				3										Tr	Tr	4	29	Tr				
14	R015		Tr				2	Tr		4				Tr	Tr									Tr	Tr	Tr	94	Tr				
15	R016		1	35			36	Tr	Tr	11				Tr	2									Tr	Tr	16	Tr					
16	S019		Tr	9			3	Tr		4				Tr										Tr	Tr	6	Tr	78	Tr			
17	M053		Tr				2		Tr					Tr	3									Tr	Tr	Tr	94	1				
18	M058		Tr				Tr	Tr						Tr	6										Tr	Tr	91	3				
19	D015						4	Tr	Tr	Tr	Tr			Tr	51		Tr								Tr		43	2		Tr		
20	D016						4	Tr	Tr	Tr	Tr			3	64	Tr	Tr								Tr		24	5		Tr		
21	M062		Tr				11	Tr	Tr	Tr				Tr	14									Tr	Tr	3	2	70	Tr			
22	D011		1	26			6	Tr	Tr	Tr	Tr			Tr	Tr									Tr	Tr	50	11	6				
23	D012		3	Tr			8	Tr	Tr	Tr					32			Tr	Tr			Tr			3	Tr	54	Tr				
24	D013		Tr	3			2	Tr	Tr	Tr				12	12							Tr			1	Tr	70	Tr				
25	D014		Tr	2			3	Tr	Tr	Tr	Tr			3	7				Tr					Tr	Tr	5	2	78	Tr			
26	S020		1	6			18	Tr	Tr	Tr	Tr			33	Tr	Tr	Tr							Tr	Tr	11	Tr	31	Tr			
27	S021		Tr				5	Tr	Tr					Tr	Tr									Tr	Tr	3	Tr	92	Tr			
28	S022		3	3	Tr	Tr	11	Tr	Tr					27	6			Tr	Tr					Tr	Tr	1	Tr	49	Tr			
29	H050		2	53			4	Tr	Tr					Tr	Tr				Tr					Tr	Tr	1	Tr	38	2			
30	H051		2	11			Tr					Tr		Tr	Tr						Tr	Tr			Tr	Tr	87	Tr				
31	H053		10	38	Tr		36		Tr					Tr	3		Tr							Tr	Tr		11	1				
32	R003		13	8	Tr		23							Tr	37			Tr	Tr					Tr	Tr		11	1				
33	R012		2	Tr			2							Tr	3									Tr	Tr		93	Tr				
34	M036		18	6			23					Tr			2				2	4	16	Tr	Tr		Tr	Tr	27	2				
35	M039		7	3	Tr		9	Tr	Tr					Tr	1									Tr	Tr	5	Tr	75	Tr			
36	M048		2	3			2	Tr	Tr	Tr				Tr	Tr					Tr				Tr	Tr		93	Tr				
37	M049		9	25			19		Tr					Tr	1									Tr	Tr		46	Tr				
38	S015		3	63			Tr		3		Tr			Tr	Tr									Tr	Tr	17	1	8	Tr			
39	S016			2			Tr		Tr					Tr	2									Tr	Tr		96	Tr				
40	S017		8	3	Tr		12		Tr	Tr				Tr										Tr	Tr		77	Tr				
41	S018		Tr				8	Tr		Tr	Tr													Tr	Tr	6		86	Tr			
42	B012		2				18		Tr	Tr			46		Tr									Tr	Tr	1	Tr	33	Tr			
43	B013		Tr				Tr		Tr						12										Tr	Tr		88	Tr			
44	B015		3				55	Tr	Tr				1	Tr	4									Tr	Tr	4	Tr	33	Tr			
45	B016		6		Tr		50	Tr	Tr	Tr	Tr			Tr	5									Tr	Tr		39	Tr				
46	B017		1	14			2	Tr		Tr				Tr	4			Tr						Tr	Tr		79	Tr				
47	B018		6	74		Tr	10		Tr					Tr	Tr									Tr	Tr		9	Tr				
48	B020		1	41		Tr	7				Tr			Tr	Tr									Tr	Tr		1	Tr				
49	B021		1				Tr						Tr	6	Tr										Tr	Tr		93	Tr			
50	B022		1	2			2		Tr					4	2							Tr	Tr		Tr	Tr		89	Tr			

Ser. No.	Sample No.	Native gold	Magnetite	Chromite	Spinel	Hematite	Ilmenite	Leucocoxene	Rutile	Brookite	Anatase	Marcasite	Pyrite	Goethite	Augite	Hypersthene	Hornblende	Actinolite	Clinozoisite	Tourmaline	Garnet	Zircon	Quartz	Plagioclase	Clastics	Biotite
51	B029	10	19	Tr	Tr	19			Tr	Tr	Tr		Tr	Tr	Tr	Tr	Tr	Tr	Tr		Tr	2	50	Tr		
52	B030	1				3	Tr		Tr	Tr			Tr	Tr								Tr	96	Tr		
53	B031	1	34			3	Tr		Tr	Tr			Tr	Tr	Tr						Tr		62	Tr		
54	M013	1	5			Tr			Tr			5	Tr	9				Tr				1	79	Tr		
55	M014	47	12	Tr		1	32						Tr	6	1				Tr				1	Tr		
56	A005	Tr										Tr	Tr	Tr									30	Tr	70	
57	A006	Tr	14				2		Tr	Tr			Tr	Tr								Tr	82			
58	A007	5	93			Tr			Tr	Tr		2	Tr	Tr							Tr		2			
59	A008	3	94		Tr				Tr	Tr			Tr	Tr								Tr	3			
60	M027	24		Tr	Tr	3			Tr				Tr	Tr	3	Tr						Tr	70			
61	M028	3	75		Tr	Tr			Tr	Tr			4	2								Tr	1	15	Tr	
62	H041	3	51			7								Tr	5	Tr		Tr	Tr		Tr	Tr	32	2		
63	R001	6	46		Tr	12			Tr					Tr	2	Tr	Tr	Tr	Tr			Tr	31	3		
64	H045	2	15			5								Tr	Tr		Tr	Tr	Tr			1	77	Tr		
65	S014	48	27			9	3							Tr	1	11							1	Tr		
66	H046	2	12		Tr	2	Tr							Tr	3	Tr						Tr	3	73	5	
67	M024	40	5			1	2							1	Tr								49	2		
68	B044	12	1			14	Tr							1	3	Tr		Tr	Tr			Tr	66	3		
69	B048	29	27			32								Tr	1	Tr	Tr	Tr	Tr			Tr	10	1		
70	B049	11	80			1								Tr	Tr	Tr	Tr	Tr				Tr	7	1		
71	B054	14	24			12			Tr					1	3	Tr	Tr	Tr	Tr			1	44	1		
72	M064	4	5			2			Tr	Tr				Tr	3			Tr	Tr			Tr	81	5		
73	S023	42				57								Tr	1							Tr	Tr			
74	S024	78				14								1	7	Tr						Tr	Tr			
75	S025	48				46								1	5	Tr						Tr	Tr			
76	T069	54				39								1	5							Tr	Tr	Tr		
77	T070	24				21		Tr				Tr		Tr	2			Tr					52	1		
78	M001	32				65								Tr	1	Tr	Tr					1	1			
79	M002	63				36								Tr	Tr	Tr	Tr		Tr			1	Tr	Tr	Tr	
80	M004	66				32								Tr	1	Tr			Tr			Tr	1	Tr	Tr	
81	M005	66				30								Tr	Tr	4	Tr					Tr	Tr		Tr	
82	H009	59				33								Tr	1	4	Tr					Tr	Tr	3	Tr	
83	M007	70				25	Tr					Tr	Tr	Tr	4	Tr						Tr	1	Tr	Tr	
84	M008	50				19	Tr	Tr						Tr	28	Tr					Tr	Tr	3	Tr	Tr	
85	M011	38				19	Tr		Tr					1	37								5	Tr	Tr	
86	M012	6				26	Tr	Tr													Tr	Tr	68	Tr	Tr	
87	T024	21				75	Tr									1	Tr					Tr	3	Tr	Tr	
88	T025	27			Tr	70										1	Tr					Tr	2	Tr	Tr	
89	B001	28				70								Tr		Tr	Tr					Tr	2		Tr	
90	B002	43				46								Tr	Tr	Tr	Tr				Tr	Tr	11	Tr	Tr	
91	B005	39				47								Tr		Tr						Tr	14	Tr	Tr	
92	B008	38		Tr		48								Tr	Tr			Tr			Tr	Tr	14	Tr	Tr	
93	B009	43				42								Tr	2	2			Tr			Tr	11	Tr	Tr	
94	B010	36				60			Tr					Tr							Tr	Tr	4	Tr	Tr	
95	B024	40				32									2	1					Tr	Tr	25	Tr	Tr	
96	H014	14				85	Tr							Tr	Tr					Tr		Tr	1	Tr	Tr	
97	H017	17				57								Tr	Tr						Tr	Tr	24	2	Tr	
98	H018	16				76	Tr							Tr	Tr							Tr	7	1	Tr	
99	D002	8				91	Tr	Tr		Tr												Tr	1	Tr		
100	H020	4				73				Tr		Tr	Tr	2	Tr				Tr			Tr	21			