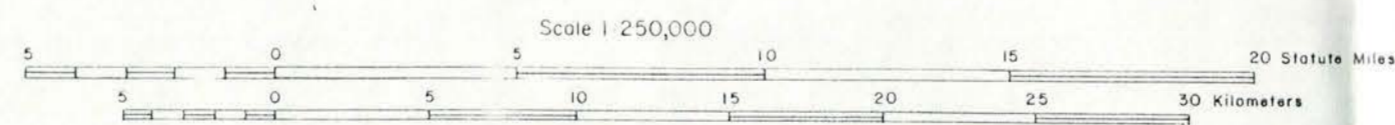


Sample Number	Lake Name	Sample Depth	Ag (ppm)	As (ppb)	Co (ppm)	Cu (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)	Fe (%)	Mn (ppm)	LOI (%)
6634	White Sand	19'	<1	<250	6	12	13	6	46	1.60	322	48.91
6635	White Sand	21-25'	<1	<250	4	12	14	8	45	2.00	350	42.73
6636	Shamineau	33'	<1	290	13	29	22	7	62	2.00	263	49.28
6637	Shamineau	56'	<1	<250	8	18	17	18	52	6.20	1400	46.16
6638	Shamineau	21'	<1	<250	9	20	17	12	50	1.50	240	43.00
6639	Round	21'	2	480	14	12	19	34	23	1.00	477	29.41
6640	Round	23'	3	<250	13	11	18	31	23	.50	550	26.19
6641	Round	23'	2	<250	10	11	18	26	22	.60	436	25.94
6642	Green Prairie Fish	25'	<1	430	8	11	17	9	62	1.30	325	56.50
6643	Green Prairie Fish	25'	<1	<250	7	13	19	6	79	3.65	400	54.67
6644	Green Prairie Fish	24'	<1	<250	11	14	19	3	73	1.70	326	60.34
6645	Pierz	18'	<1	<250	8	18	15	8	20	.60	383	45.30
6646	Pierz	31'	<1	<250	11	24	19	2	40	1.10	237	52.17
6647	Pierz	31'	<1	<250	9	21	20	9	47	1.00	292	45.65
6648	Crow Wing	18'	<1	<250	10	15	31	6	49	3.60	716	52.71
6649	Crow Wing	20'	<1	<250	18	14	28	1	53	3.10	610	60.35
6650	Crow Wing	19'	<1	<250	14	11	23	15	35	1.40	450	51.49
6651	Nokoy	25'	<1	280	12	14	16	12	41	5.10	1600	52.21
6652	Nokoy	25'	<1	400	12	13	17	12	39	6.30	1500	51.26
6653	Nokoy	20'	<1	80	10	14	16	10	32	5.60	2600	52.60

All elements analyzed by a Perkin-Elmer 603 atomic absorption spectrophotometer at the Division of Minerals laboratory. The unignited organic-rich lake sediments were digested in 4% HNO₃/1% HCl for Ag, Co, Cu, Ni, Pb, Zn, Fe and Mn and in concentrated HCl for arsenic. Loss-on-ignition (LOI) was determined by ignition at 500°C.

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Base from U. S. Geological Survey 1:250,000 scale Brainerd (1953, 1965), Duluth (1953, 1963) and St. Cloud (1953, 1967) topographic maps.



ORGANIC-RICH LAKE SEDIMENT EXPLORATION GEOCHEMICAL PILOT SURVEY OF SOUTHERN CROW WING AND MORRISON COUNTIES, CENTRAL MINNESOTA

By

D. G. Meineke, M. K. Vadis and A. W. Klaysmat

D. G. Meineke, Supervisor of Mineral Potential Evaluation

1979



INDEX MAP