REPORT PROJECT 3

OP92-193, 194 & 195

November, 1992

Project 3, Opeepeesway Lake area, was undertaken in 1992 by Earl J. Lalonde (OP92-193), Fred Q. Barnes (OP92-194) and Norman Firth (OP92-195). The field program began June 14 and continued through September 28 with an interruption, covering most of August, when direction of the work was affected for want of assay results.

The 1992 program was centred at Wiener Lake, Huffman township where auriferous pyritic mineralization had been discovered at the close of field operations in 1991. The program was, however, more far ranging, particularly to the southeast along the general trend of Opeepeesway mineralization in Arbutus, Potier, Yeo and the southeast corner of Huffman townships. Parallel mineral zones to the southwest, through the area of the Jerome Mine were also examined but much of this trend, particularly in Osway and Esther townships is held under mining leases or claims in good standing.

The 1992 program utilized geophysics, both electromagnetic (Crone Radem VLF) and magnetic (Geometrics proton magnetometer). Sampling methods were also expanded from rock grabs and channel chip to include vegetation, humus, and soil and overburden taken with shovel and screened (minus 12 mesh) as well as by auger with a ten-foot reach. The most detailed topographic maps available from the Ministry of Natural Resources as well as airborne VLF and geologic reports of the same ministry were also employed.

Extensive overburden and heavy moss cover on outcrops again hampered exploration as mentioned in the 1991 final submission, however, these conditions were somewhat ameliorated through the use of geophysical instrumentation and the soil auger.

Location and Access

The area covered was Project 3 of the 1991 and 1992 OPAP submission and included parts of Osway, Mallard, Huffman, Eric, Esther, Arbutus, Potier and Yeo townships, Porcupine Mining Division, Sudbury District.

The all-weather road system is shown on the Provincial Topographical Series, at a scale of 1:100,000, on Gogama (41P/NE), Ridout (41O/NE), Chapleau (41O/NW), Biscotasing (41O/SE) and Westree (41P/SW). An east-west private (Eddy Co.) gravel road connects Highway 144 to Highway 667 at Sultan. It passes Project 3 to the south from whence several roads, in Edith, Arbutus, Alcona, Smuts and Invergarry townships trend northerly to the work area. These are the Cordes Creek road which accesses Esther, northwestern Osway, and Mallard townships, ending at Rush Lake; the Jerome Mine road which crosses Fingal and southern Osway townships, ending at the Jerome Mine on the south shore of Opeepeesway Lake; Arbutus and New Arbutus roads through Arbutus township access Arbutus, Huffman and Potier townships; Yeo road (no road sign) through Smuts and Yeo accesses the same area as the Arbutus roads as well as Yeo township; Chester road through Invergarry and Chester with cross roads connecting with Yeo road. The Cordes Creek road has been upgraded by the Eddy Co. to a haul road for current cutting in southeast Mallard, southwest Eric, northeast Osway and northwest Huffman townships.

Geology

Several geological series maps are available for Project 3 area. Map 1949-2 of Osway by W.W. Moorhouse; P2369 Jerome west of Osway and Esther, P2370 Jerome East of Huffman and Arbutus both by G.M. Siragusa; Map 2503 Cunningham and Garnet, Map 2504 Benton and Mallard both by G.M. Siragusa; and Map 44g (1935) of several townships by H.C. Laird. Although we would disagree with both latter authors as to rock types and contacts locally because of our more detailed examinations and strippings, we found the geological records of great value. The Moorhouse interpretation of contacts in Osway we found in general more accurate than that of the subsequent geological work. Access to much of Osway township and the number of active mining companies in the area were both greater at the time of the Morrhouse survey. The basic grasp of the geology expressed by Laird we found to be more incisive than any of the subsequent workers inspite of, or perhaps because of the reconnaissance nature of his work.

Work Performed

All work done was of a prospecting nature with moss stripping in traverses along roads, trails, shorelines and inland from these access routes. Numerous paced traverse lines were run in what were considered potential discovery areas both with VLF and magnetometer on occasion. VLF traverses were run separately with hip chain and flagging at 25 metre intervals. The VLF traverses were followed up with detailed prospecting and various sampling methods where anomalies were indicated. VLF and other chained and blazed control lines are plotted on separate sheets with geophysical profiles. Sample locations and control traverse lines are shown on the two regional work sheets. The western sheet, developed in 1991, has been updated with 1992 results.

Certificates of analysis are attached to the Sample List. A daily log of prospecting activities and final submission work is also attached as Prospecting Daily Log 1992.

Very Low Frequency Electromagnetic Investigations

To help define the known mineralized zone previously located in the northwest corner of Huffman township and also to use as an aid in additional reconnaissance prospecting a Crone EM VLF instrument was leased for approximately six weeks.

In these investigations traverses were carried out normal to the regional strike using compass and chain technique for control, and employing Cutler, Maine as the primary transmitter station (22.0 KHz) VLF-EM readings were taken at 25 metre intervals with two parameters being measured at each station.

1. Dip angle in degrees of the magnetic field component, from the horizontal of the major axis of the polarization ellipse, detected by a minimum of the field strength meter and read from an inclinometer with a range of +/-1°. The VLF field is normally horizontal (0 dip). The dip angle measurement is independant of the strength of the field.

2. Field strength (total or horizontal) of the magnetic component of the VLF field (amplitude of the major axis of the polarization ellipse), measured as a per cent of normal field strength established at a base station. Accuracy as +/- 2% depending upon signal.

The location of the 25 traverses are shown on the base map and the VLF EM data obtained are presented in profile form.

In some instances where the causitive source of an EM conductor could not be determined due to overburden cover, geochemical samples (humus or vegetation) were taken for analysis at the conductor axis location.

At one of these locations (Line 4) analytical results for gold were considered to have some signifance so a detailed VLF EM survey was carried out.

An east west baseline, 300 metres long was cut out, and cross lines were extablished at 100 metre spacing. Using chain and compass control, stations were established at 25 metre intervals. In all 85 stations were occupied.

The results of the survey are presented in Profile and Fraser Filter form.

The zone of considered interest is an east-west striking weak conductor, some +300 metres long. As there is no outcrop in the immediate area some additional geochemical samples were taken.

Of note is the fact that the 1991 mineralized zone investigated gave no indication of a VLF EM response.

Geochemical Sampling

To assist in the evaluation of electromagnetic conductors covered by overburden, humus and/or vegatation geochemical samples were thaken across the trend of the conductor. These samples were subsequently analysed by Instrumental Neutron Activation Analysis (INAA) for gold and thirty-three other elements.

In all some 68 humus, vegetation geochemical samples were taken.

The analytical results obtained are presented on the VLF EM profile maps.

Expenditures

Expenditures as summarized here cover joint time spent and project expenses. They do not include truck travel and any special individual charges. Expenditures by individuals (attached) cover joint project expenses split three ways, individual time spent, truck and any special expenses.

Joint time was estimated at $20,000 whereas actual time totalled $18,550. Joint expenses were estimated at $13,000 with $
9,650 as the actual total, or $ 3,216 each + individual vehicle charge.

A breakdown of joint expenditures follows with the estimate for each in brackets:

<u>Supplies</u>: included food and other, the latter being principally batteries, propane and naptha fuels. Expenditures totalled $ 1,724 ($2400).

<u>Telephone, typing, printing</u> totalled $201 + last minute 239 ($225).

<u>Assays</u>: 138 samples were taken, somewhat more than estimated, and resulted from the need to indirectly sample for anomalous mineralization. Humus, vegetation, auger and basal till sampling accounted for most of the samples taken. Because of overburden problems, area sampling of basal till down glaciation from favourable areas, and humus, vegetation and auger sampling over VLF EM anomalies was considered the only lead to identifying sites for mechanical stripping, drilling and/or detailed mapping and prospecting. Assay billings and shipping charges were $1958.52 ($1200).

<u>Contract</u>: funds were allocated for magnetometer surveying by student help and for mechanical stripping. Magnetometer readings were mainly in conjuction with VLF EM profiling to detect bedrock changes. No grid surveys were performed. The

student also took and sieved basal till samples and hand stripped the Wiener Lake occurrence found late in the 1991 field season. Contract charges were $1160 ($6500). Mechanical stripping was not warranted.

Rentals: rental costs were for a twenty-two (22) foot trailer and a radon VLF EM. A geoMetrics G816 proton magnetometer was available in field equipment and was not charged. The trailer permitted quick setup and moves, was most comfortable during cold and adverse weather, and had facilities for safe dry storage and office space. It was available to us for May through September although snow and ice conditions persisted unusually late and field work was delayed until early June.

Equipment such as a truck mounted brake control device for the trailer, a machine shop fabricated auger and a hip chain purchased during the season are not included in expenses, nor is field gear including boats and motors.

Results and Recommendations

There are two types of stratiform rocks in which mineral deposits may be found in Project 3 area. An older, essentially volcanic series contains what are probably the majority of potentially viable economic deposits, and a younger, totally sedimentary series which has most of the showings that have received exploration attention.

The volcanic rocks consist of basic to acidic volcanic flows hosting vein type and shear zone auriferous deposits such as the Kenty in Swayze township and the Burton in Esther township. The Burton gives a moderate VLF reponse whereas the Kenty gives none.

The sedimentary series has a base generally of pelites followed by ironstones of hematite, magnetite, pyrite or carbonate cement with much detrital material. Many of the ironstones give a VLF response and are of varying thickness and composition locally. They are a few feet to tens of feet thick. Commonly, they host quartz veins with minor sulphides of iron, copper, zinc and lead, and, in such cases return appreciable spot gold values. These include those occurrences found last year, as well as the Ferland and Polfrog prospects. In the writers opinion, these occurrences, although relatively widespread, are most unlikely to have economic potential. The vein quartz, sulphides and gold values appear to be indigenous to the chemical sediment and a differentiate thereof. The upper part of the sedimentary series is conglomerate.

The Burton showing shear projects southeast towards the Jerome Mines where mineralization occurs within the conglomerates of the sedimentary series.

Because of overburden problems, exploration for base metal deposits is pretty well guided by geophysics and a number of holes have been drilled by major companies based on airborne EM and Mag surveys. The holes are in geologically favourable areas of acid volcanic rocks. Neither hole sites nor cores could be found, nor was there outcrop at these locations. Further airborne exploration might be done at 100 metre spaced flight lines over favourable areas insofar as some volcanogenic sulphide deposits have a small cross section and plunge steeply. Financing this type of exploration is generally outside the financial capabilities of OPAP participants.

The government sponsored airborne VLF survey did not appear to outline favourable structure in Project 3 area. Although much checking was done on the ground with the Radem unit and outcrops examined, the VLF anomalies appeared to be responses to lake and bog sediments, identified as peat and clay with the auger. A group of three vegetation samples (2902-2904) shipped as part of a batch, returned high gold values. Because such samples have a higher than usual radiation period to give detection to a tenth of a PPB, it is suspected that the values reported are erroneous by one or two decimal points. The plants covered 6 to more than 9 feet of peat, followed by clay. None of the followup auger samples of underlying clay gave any encouragement. These values can be seen on the VLF profiles run on an extensive survey of Wiener Lake South, initiated because of returns from 2902, 3 and 4.

The Wiener Lake showing was stripped and sampled (26138-26140). No extension of the occurrence could be found although a number of similar situations were located more or less along strike.

Results from the 1992 program clarified the reasons for past exploration but held little encouragement for basic prospecting techniques or for economical viable discovery in the ironstones which appear to have received the bulk of past work. The acidic volcanic areas hold some promise for the prospector insofar as auriferous mineralization similar to the Kenty is essentially undetectable by geophysical means, and numerous quartz veins do have local gold values of significance where accomapnied by sulphides. This was verified by grab sample 8903.

An added difficulty to effective exploration is the slowness of assay returns. The program was halted in August because assays had not been received for about 100 samples shipped. The last batch were delivered directly to the assayer and yet the assay results took 34 days, received November 3.

PROJECT 3 - OPEEPEESWAY AREA

PROSPECTING DAILY LOG 1992

(Participant days by Barnes, Firth, Lalonde)

June	1-3		Waiting on word of snow, ice and road conditions.
June	9		Barnes departed Burlington for Blind River; odometer 000300.
June	10		Prepared field equipment and arranged trailer rental.
June	11		Brake wiring not same as trailer; trailer and truck to garage. Lalonde arrived at Blind River from Capreol.
June	13		Trailer brake working; got fuels and last of supplies.
June	14	(BL)	Barnes and Lalonde to Mallard Twp.; setup, and later cheked work site.
June	15	(BL)	Barnes and Lalonde to Wiener Lake, Huffman Twp. and started control line towards Little Rice Lake; prospected.
June	16	(BL)	Barnes and Lalonde ran balance of control line to 71+37 feet. Met Reno Pressacco, Noranda Exploration, Timmins in bush. Prospected.
June	17	(BL)	Barnes and Lalonde worked roads in Eric and Huffman Twps. for geology and mineralization.
June	18	(BL)	Rain overnight; Barnes and Lalonde re-examined Polfrog showing; prospected control line, Huffman Twp. around 50+00.
June	19	(BL)	Rain to noon. Barnes and Lalonde to Fawn Twp. and worked Dore road for iron formation. Firth and student assistant arrived in evening from Burlington.
June	20	(BFL)	Orientation for Firth and student; all four prospected south end of Rae Lake, Eric Twp. and re-cut portage Rae to Opeepeesway Lakes.

June	21	(BFL)	All four to Wiener Lake; prspected and ran magnetometer on control line.
June	22	(BFL)	All four to Wiener Lake; to Little Rice Lake; along portage which ends at Blood Sucker Lake; prospected; did not find iron formation.
June	23	(BFL)	Lalonde and Firth to Rice Lake where 40 foot wakly magnetic iron formation found. Barnes and student took 19 soil samples and laid them out to dry.
June	24	(BFL)	Rain. Reviewed reports, got claim maps, supplies, boots, hip chain and ordered VLF from Crane, Toronto.
June	25	(BFL)	Barnes and student quartered and sieved soil samples and latter assisted Lalonde and Firth and Wiener Lake showing which was stripped and channel sampled.
June	26	(BFL)	Student ran magnetometer at Wiener Lake; Lalonde and Firth extended control line to the northwest and prospected. Barnes prospected in area of showing and to the northwest. Got VLF at Highway 144 from night bus to Timmins.
June	27	(BFL)	Rain overnight. Ran magnetometer and VLF on roads in prosepctive areas; prospected minor anomalies. Firth on VLF, student on magnetometer.
June	28	(BFL)	Scattered showers; reduced geophysical readings; examined claim maps for area north of Sultan with geology. Some VLF road sections. All involved. Lalonde to Capreol in p.m.
June	29	(BF)	Firth and student doing geophysical profiling at Wiener Lake. Barnes prospected Rae Lake area.
June	30	(BF)	Firth and student doing geophysical profiling, Wiener Lake. Barnes prospecting iron formation SW Osway Twp.
July	1	(BF)	Firth, Barnes and student prospected Wiener Lake; in afternoon to Cunningham Twp. Shunsby showing. To Sultan and called Lalonde on road map from Noranda

Exploration.

July	2	(BF)	All three to Wiener Lake to prospect. In p.m. to Northwest arm, Opeepeesway Lake to see feldspar porphyries.
July	3	(BF)	Rain during day. Reduced geophysical data and plotted profiles. Lalonde arrieved in p.m.
July	4	(BFL)	All four to Yeo and Arbutus Twps. for reconnaissance of geology and possible extentions of mineral zones from Huffman Twp. Prepared for camp move.
July	5	(BFL)	Rain in a.m. but moved trailer to Little Rush River, Arbutus Twp. In p.m. Barnes left with student for Sudbury and Blind River. Tire blow out on rough roads.
July	6	(FL)	Lalonde and Firth prospecting North Arbutus Twp.
July	7	(FL)	Lalonde and Firth to Wiener Lake and ran VLF profiles for South Wiener conductor extension. Later to Copway Point, Opeepeesway Lake and ran VLF profiles for a conductor.
July	8	(FL)	Lalonde and Firth prospected NE Arbutus and SE Huffman Twps. Later to Yeo road and Moore Lake.
July	9	(FL)	Lalonde and Firth ran line 9 VLF a km east of Camp Lake in Huffman and Potier Twps. on projection of ironstone.
July	10	(FL)	Lalonde and Firth extended line 9 with VLF and magnetometer to the north and line 10 between Camp and Canoe Lakes.
July	11	(FL)	Lalonde and Firth ran lines 12 and 13 with VLF on west shore of Opeepeesway Lake on extension of the Jerome prophyry.
July	12	(FL)	Prospected from roads in Camp Lake area.
July	13	(FL)	Prospected and ran VLF line 14 west of Camp Lake. Got a gossaned shear and sampled.
July	14	(FL)	Worked ironstone south and west of Camp

Lake with the VLF.

July	15	(FL)	Prospected west of Camp Lake along ironstone and gossan shows.
July	16	(FL)	Lalonde and Firth again prospected in northern Arbutus Twp. until rain in afternoon. Reduced geophysical data at camp.
July	17	(FL)	Lalonde and Firth found a pyritic ironstone a mile south of Camp Lake; prospected and sampled.
July	18	(FL)	Lalonde and Firth prospected west of Camp Lake in Huffman and Potier Twps.
July	19	(FL)	Put in a control line on pyritic ironstone found on July 17 and prospected.
July	20	(FL)	Lalonde and Firth prospected southwest corner of Potier. Showers in afternoon. Barnes arrived with supplies in the afternoon and Firth left for Sudbury in the p.m.
July	21	(BL)	Barnes and Lalonde to southwest Osway Twp. to see iron formation and volcanics. To Sultan for mail. Assays not in mail. To Arbutus Twp. to see showings located by the VLF in July.
July	22	(BL)	Barnes and Lalonde to Dismal and Arbutus ~~Twps~~. Lakes. by canoe to examine shore outcrops.
July	23	(BL)	Barnes and Lalonde examine geology, particularly ironstone occurrences, some discovered by VLF in Huffman, Arbutus and Potier Twps. Long day; back in camp after dusk.
July	24	(BL)	Barnes and Lalonde to Windy Lake to prospect volcanics and ironstones. In p.m. to Gogama for 20,000 scale maps of this area.
July	25	(BL)	Barnes and Lalonde to north end of Arbutus Lake. Prospecting.
July	26	(BL)	To Sultan for assay data. No mail. Met OGS people at mail; had come from Foleyet

where doing regional soil sampling. Later to Arbutus Lake for further prospecting, We moved canoe from Arbutus to Windy Lake.

July	27	(BL)	Barnes and Lalonde to Camp Lake, Huffman Twp. and worked ironstone.
July	28	(BL)	We examined VLF conductors in respect to stratigraphy and ironstone in Huffman and Potier Twps. Later to Schist and Moore Lakes area. GSC truck and two occupants on road. Camp at dusk.
July	29	(BL)	Barnes and Lalonde to Ferland and Polfrog showings Mallard Twp. to compare with Arbutus - Huffman showings. Firth arrived in afternoon and had organized his work for next day.
July	30	(BFL)	All three to northeastern Esther Twp. to see rock types for possible prospecting and examined Burton showing. Later to Wiener Lake to prospect where Firth had a VLF anomaly.
July	31	(BFL)	All three to Jerome Mine to look at porphyries on Jerome point. Later to Windy Lake, Arbutus Twp. to compare with similar rock types.
August	1	(BFL)	All three to Windy Lake and prospected Windy, Potier and Stony Lakes from canoe.
August	2	(BFL)	All three prospected granite contact westward from Windy Lake. Decided could not plan further work without assays from samples sent to assayer over a month ago. Packed camp and left with trailer in p.m.
September	8		Barnes departed Burlington, drove to Blind River, gathered equipment ready for next day.
September	9	(BL)	Drove to mileage 13, Mallard Twp., set trailer and examined new roads with Lalonde. The strike at Eddy Forest Products was over in August and the work crews are starting back to work.
September	10	(BL)	Barnes and Lalonde re-sampled points where high assays reported from earlier

sampling.

September	11	(BL)	Barnes and Lalonde prospected along new road in northwest Huffman and northeast Osway Twps. where airborne VLF anomaly projects.
September	12	(BL)	By canoe to Rae and Mallard Lakes; prospected shore outcrops.
September	13	(BL)	Rain in morning, reviewed geologic reports. In afternoon Barnes and Lalonde did shoreline of Wiener Lake and inland where Firth had indicated a VLF anomaly.
September	14	(BL)	Rain in morning, planned soil sampling. In afternoon, Barnes and Lalonde to Wiener Lake with soil auger.
September	15	(BL)	Lalonde and Barnes prospected Osway and Esther Twps. near mileage 4. Located old trenching and a gossan zone. Firth arrived in the p.m.
September	16	(BFL)	Rain in morning. Reviewed significant humus samples taken by Firth at Wiener South. Ran VLF over an earlier anomaly.
September	17	(BFL)	Firth ran VLF at sample 8703 and Barnes and Lalonde took auger samples across an anomaly. At west end of Wiener Lake, the VLF anomaly sampled by auger but peat to a depth of 10 feet. Found new gossan at dusk.
September	18	(BFL)	Prospected and extended ironstone found a km northwest of Wiener Lake. Channel sampled. Firth ran VLF profiles.
September	19	(BFL)	Firth profiled VLF anomalies at South Wiener. Barnes and Lalonde prospected and took auger samples.
September	20	(BFL)	Continued on South Wiener with VLF from control lines; prospected and auger sampled.
September	21	(BFL)	Firth to South Wiener for humus and plant samples. Barnes and Lalonde to Ferland showing to do VLF profiling. Also to northeast Esther Twp. to run VLF profiles for extension of the Burton showing.

September 22	(BFL)	All three to Camp Lake to auger sample VLF anomaly on line 10 which had a humus anomaly. Prospected; got compass deflection.
September 23	(BFL)	All three to new road northeast corner of Osway Twp. Got VLF anomaly about 300 feet west of creek on airborne VLF anomaly extension. Prospected. Re-ran VLF on Polfrog showing on return to camp.
September 24	(BFL)	Firth to South Wiener with VLF. Barnes and Lalonde to west of the north end of Arbutus Lake. Found much ironstone as extension of material around Camp Lake. Sampled.
September 25	(BFL)	All three to Swayze Twp. to examine rock types associated with the Kenty Mine. Did VLF profiling.
September 26	(BFL)	Firth again to South Wiener to complete his geophysical survey and sampling. Barnes and Lalonde to central west Mallard Twp. to find evidence of old Anaconda drilling. Examined felsic volcanic flows and prospected quartz veining.
September 27	(BFL)	Heavy rain. Compiled data, labelled samples and packaged them for the assayer. Decided to end the program.
September 28	(BFL)	Gathered equipment from South Wiener, cleaned camp site, packed and left in the afternoon. Rain on and off.
September 29	(BFL)	Lalonde and Barnes in Blind River; half day repairing, cleaning and storing equipment.
September 30	(BL)	Lalonde and Barnes in Blind River; half day on equipment.
October 2		Lalonde departed for Capreol, Barnes for Burlington.

Barnes	56	+ 5	=	61	days
Firth	48 1/2	+ 5	=	53 1/2	days
Lalonde	66	+ 5	=	71	days

Final Submission — Days spent on final submission during October and November vary in timing with participant and is included in individual expenditure summaries as a straight five (5) days each.

SAMPLE LIST

Sample	Type	Date	Mineral	PPB Au.	Notes
2902	Vegetation	June	N/A	15.4	
2903	Vegetation	June	N/A	43.7	
2904	Vegetation	June	N/A	6.3	
2905	Vegetation	June	N/A	1.6	
2906	Vegetation	June	N/A	2.1	
2907	Vegetation	June	N/A	1.5	
2908	Vegetation	June	N/A	0.9	
2909	Vegetation	June	N/A	1.0	
2910	Vegetation	June	N/A	0.8	
2911	Humus	July	N/A	2	
2912	Humus	July	N/A	< 1	
2913	Humus	July	N/A	2	
2914	Humus	July	N/A	< 1	
2915	Humus	July	N/A	2	
2916	Humus	July	N/A	< 1	
2917	Humus	July	N/A	< 1	
2918	Humus	July	N/A	< 1	
2919	Humus	July	N/A	2	
2920	Humus	July	N/A	1	
2921	Humus	July	N/A	2	
2922	Humus	July	N/A	1	
2923	Humus	July	N/A	< 1	
2924	Humus	July	N/A	< 1	
2925	Humus	July	N/A	< 1	
2926	Humus	July	N/A	2	
2927	Humus	July	N/A	2	
2928	Humus	July	N/A	3	
2929	Humus	July	N/A	9	
2930	Humus	July	N/A	2	
2931	Humus	July	N/A	2	
2932	Humus	July	N/A	2	
2933	Humus	July	N/A	1	
2934	Humus	July	N/A	< 1	
2935	Humus	July	N/A	1	
2936	Humus	July	N/A	< 1	
2937	Humus	July	N/A	< 1	
2938	Humus	July	N/A	2	
2939	Humus	July	N/A	< 1	
2940	Humus	July	N/A	< 1	
2941	Humus	July	N/A	< 1	
2942	Humus	July	N/A	2	
2943	Humus	July	N/A	< 1	
2944	Humus	July	N/A	< 1	
2945	Humus	July	N/A	8	
2946	Humus	July	N/A	2	
2947	Humus	July	N/A	< 1	
2948	Humus	July	N/A	2	
2949	Vegetation	Sept.	N/A	0.8	

Sample	Type	Date	Mineral	PPB Au.	Notes
2950	Vegetation	Sept.	N/A	2.1	
2951	Vegetation	Sept.	N/A	0.7	
2952	Vegetation	Sept.	N/A	0.6	
2953	Vegetation	Sept.	N/A	0.6	
2954	Humus	Sept.	N/A	1	
2955	Humus	Sept.	N/A	< 1	
2956	Vegetation	Sept.	N/A	0.6	
2957	Vegetation	Sept.	N/A	0.7	
2958	Vegetation	Sept.	N/A	0.7	
2959	Vegetation	Sept.	N/A	0.6	
2960	Vegetation	Sept.	N/A	0.4	
2961	Vegetation	Sept.	N/A	0.5	
2962	Vegetation	Sept.	N/A	0.6	
2963	Vegetation	Sept.	N/A	0.9	
2964	Vegetation	Sept.	N/A	Missing	
2965	Vegetation	Sept	N/A	0.6	
2966	Vegetation	Sept.	N/A	0.6	
2967	Humus	Sept.	N/A	< 1	
2968	Humus	Sept.	N/A	< 1	
2969	Vegetation	Sept.	N/A	< 1	
8701	Till	June	Basal	6	
8702	Till	June	Basal	< 2	
8703	Till	June	Basal	60	
8704	Till	June	Basal	< 2	
8705	Till	June	Basal	5	
8706	Till	June	Basal	< 2	
8707	Till	June	Basal	4	
8708	Till	June	Basal	6	
8709	Till	June	Basal	5	
8710	Till	June	Basal	2	
8711	Till	June	Basal	< 2	
8712	Till	June	Basal	< 2	
8713	Till	June	Basal	< 2	
8714	Till	June	Basal	< 2	
8715	Till	June	Basal	4	
8716	Till	June	Basal	4	
8717	Till	June	Basal	< 2	
8718	Till	June	Basal	< 2	
8719	Till	June	Basal	< 2	
8720	Till	Sept.	Basal	6	8703
8721	Auger	Sept.	Clay	< 2	8703
8722	Auger	Sept.	Clay	5	8703
8723	Auger	Sept.	Clay	< 2	
8724	Auger	Sept.	Clay	6	
8725	Auger	Sept.	Clay	8	
8726	Auger	Sept.	Clay	< 2	
8727	Auger	Sept.	Clay	< 2	
8728	Auger	Sept.	Clay	< 2	
8729	Auger	Sept.	Clay	< 2	

Sample	Type	Date	Mineral	PPB Au.	Notes
8730	Auger	Sept.	Clay	< 2	2902
8731	Auger	Sept.	Clay	< 2	2903
8732	Auger	Sept.	Peat	N/S	2904
8733	Auger	Sept.	Peat	< 2	
8734	Auger	Sept.	Peat	< 2	
8735	Auger	Sept.	Peat	4	
8736	Auger	Sept.	Peat	5	
8737	Auger	Sept.	Peat	< 2	
8738	Auger	Sept.	Peat	< 2	
8739	Auger	Sept.	Sand	< 2	
8740	Auger	Sept.	Sand	< 2	
8741	Auger	Sept.	Sand/Clay	2	
8742	Auger	Sept.	Sand/pbls	5	
8901	Grab	Sept.	Gb & Qtz.	< 5	126127
8902	Grab	Sept.	Iron St.	< 5	
8903	Grab	Sept.	Acid Vol py.	2490	
9351	Grab	July	Iron St.	< 5	
9352	Grab	July	Iron St.	< 5	
9353	Grab	July	Iron St.	< 5	
9354	Grab	July	Iron St.	< 5	
9355	Grab	July	Iron St.	< 5	
9356	Grab	July	Iron St.	< 5	
9357	Grab	July	Iron St.	< 5	
9358	Grab	July	Iron St.	22	
9359	Grab	July	Iron St.	< 5	
9360	Grab	July	Iron St.	38	
9361	Grab	July	Vol. Schist & Carb.	< 5	
9362	Grab	Sept.	Alum. Chert	< 5	
26138	Channel (3.6')	June	Schist, qtz. carb.	1470	Wiener
26139	Grab	June	Schist, qtz. carb.	4890	Wiener
26140	Channel (3.0')	June	Schist, qtz. carb.	112	Wiener
26141	Grab	June	Iron St.	19	
26142	Grab	July	Iron St.	102	
26143	Grab	July	Iron St.	9	
26144	Grab	July	Iron St.	< 5	
26145	Grab	July	Iron St.	< 5	
26146	Grab	July	Iron St.	10	
26147	Grab	July	Iron St.	8	
26148	Grab	July	Iron St.	11	
26149	Channel (6')	July	Vol. Schist	< 5	
26150	Channel (2.5')	July	Vol. Schist	90	

ACTLABS

ACTIVATION LABORATORIES LTD

Invoice No:	4254
Work Order:	4244
Invoice Date:	10-AUG-92
Date Submitted:	22-JUL-92
Your Reference:	NONE
Account Number:	186

I. FIRTH
274 JUNIPER AVE
BURLINGTON, ON
L7L 2T3

CERTIFICATE OF ANALYSIS

INAA package, elements and detection limits:

AU	0.1	PPB	AG	0.3	PPM	AS	0.01	PPM	BA	5.	PPM
BR	0.01	PPM	CA	0.01	%	CO	0.1	PPM	CR	0.3	PPM
CS	0.05	PPM	FE	0.005	%	HF	0.05	PPM	HG	0.05	PPM
IR	0.1	PPB	K	0.001	%	MO	0.05	PPM	NA	0.5	PPM
NI	2.	PPM	RB	1.	PPM	SB	0.005	PPM	SC	0.01	PPM
SE	0.1	PPM	SR	10.	PPM	TA	0.05	PPM	TH	0.1	PPM
U	0.01	PPM	W	0.05	PPM	ZN	2.	PPM	LA	0.01	PPM
CE	0.1	PPM	ND	0.3	PPM	SM	0.001	PPM	EU	0.05	PPM
TB	0.1	PPM	YB	0.005	PPM	LU	0.001	PPM			

REPORT 4254B - PKG 2A

CERTIFIED BY :

DR. ERIC L. HOFFMAN

Activation Laboratories Ltd. Work Order: 4244 Report: 4254

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	K %	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR PPM	TA PPM	TH PPM
2902	15.4	<0.3	0.35	65	2.4	0.38	0.3	2.7	0.13	0.057	0.26	<0.06	<0.3	0.182	<0.05	5015	<3	<1	0.070	0.37	<0.1	<10	<0.05	0.1
2903	43.7	<0.3	0.35	90	4.6	0.73	0.3	1.2	0.11	0.036	0.07	<0.05	<0.1	0.150	<0.05	186	<2	4	0.062	0.10	<0.1	<10	<0.05	<0.1
2904	6.3	<0.3	0.20	110	2.8	0.93	0.2	0.9	0.08	0.030	<0.05	0.18	<0.1	0.143	<0.05	113	<2	3	0.051	0.09	<0.1	23	<0.05	<0.1
2905	1.6	<0.3	0.32	110	2.7	0.86	0.2	0.9	0.08	0.030	0.08	<0.05	<0.1	0.148	<0.05	181	<2	2	0.038	0.09	<0.1	<10	<0.05	<0.1
2906	2.1	<0.3	0.32	99	2.9	0.66	0.2	0.8	0.06	0.032	<0.05	<0.05	<0.1	0.156	0.24	153	<2	4	0.046	0.09	0.4	<10	<0.05	<0.1
2907	1.5	<0.3	0.41	70	4.3	0.80	0.3	1.1	0.06	0.038	0.11	0.17	<0.1	0.121	0.14	137	<2	2	0.056	0.10	<0.1	<10	<0.05	<0.1
2908	0.9	<0.3	0.47	77	4.9	0.84	0.3	1.3	0.15	0.040	0.08	0.09	<0.1	0.169	<0.05	148	<2	5	0.071	0.12	0.3	<10	<0.05	<0.1
2909	1.0	<0.3	0.35	56	4.3	0.79	0.2	1.0	<0.05	0.031	0.08	0.09	<0.1	0.158	<0.05	117	<2	3	0.045	0.09	0.3	<10	<0.05	<0.1
2910	0.8	<0.3	0.29	76	4.1	0.78	0.3	0.6	0.08	0.028	0.05	0.09	<0.1	0.151	<0.05	109	<2	3	0.047	0.08	0.2	<10	<0.05	<0.1

Activation Laboratories Ltd. Work Order: 4244 Report: 4254

Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
2902	<0.03	<0.05	30	0.60	1.1	0.5	0.075	<0.05	<0.1	0.042	0.007	1.550
2903	<0.01	<0.05	51	0.42	0.6	<0.3	0.054	<0.05	<0.1	0.022	0.005	4.110
2904	<0.01	<0.05	41	0.35	0.4	<0.3	0.040	<0.05	<0.1	0.020	0.003	4.470
2905	<0.01	<0.05	39	0.35	0.8	<0.3	0.043	<0.05	<0.1	0.021	0.005	3.720
2906	<0.01	<0.05	33	0.34	0.7	<0.3	0.041	<0.05	<0.1	0.026	0.004	4.620
2907	<0.01	<0.05	34	0.41	0.6	0.4	0.053	<0.05	<0.1	0.029	0.006	5.280
2908	<0.01	<0.05	45	0.50	0.8	<0.3	0.061	<0.05	<0.1	0.036	<0.001	4.420
2909	0.04	<0.05	42	0.39	0.7	<0.3	0.046	<0.05	<0.1	0.029	0.005	5.450
2910	<0.01	<0.05	38	0.34	0.6	<0.3	0.042	<0.05	<0.1	0.018	0.003	4.520

Activation Laboratories Ltd. Work Order: 4244 Report: 4254B

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR PPM	TA PPM	TH PPM	U PPM
2911	2	<2	1	<100	8	2.1	3	<1	<0.5	0.37	<0.5	<0.5	<5	<0.5	287	20	<20	0.1	0.2	<2	<100	<0.5	<0.5	<0.1
2912	<1	<2	1	<100	7	1.8	<1	1	<0.5	0.20	<0.5	<0.5	<5	<0.5	233	<10	<20	0.1	0.1	<2	<100	<0.5	<0.5	<0.1
2913	2	<2	<1	<100	6	1.9	<1	1	<0.5	0.15	<0.5	<0.5	<5	<0.5	284	<10	<20	0.1	0.2	<2	<100	<0.5	<0.5	<0.1
2914	<1	<2	2	<100	9	2.0	<1	<1	<0.5	0.30	<0.5	<0.5	<5	<0.5	257	<10	<20	0.1	0.2	<2	<100	<0.5	<0.5	<0.1
2915	2	<2	2	<100	9	2.0	3	2	<0.5	0.31	<0.5	<0.5	<5	<0.5	319	<10	<20	0.2	0.2	<2	<100	<0.5	<0.5	<0.1
2916	<1	<2	1	<100	6	2.1	<1	1	<0.5	0.27	<0.5	<0.5	<5	0.9	334	<10	<20	0.2	0.2	<2	<100	<0.5	<0.5	<0.1
2917	<1	<2	2	<100	10	2.0	1	<1	<0.5	0.28	<0.5	<0.5	<5	<0.5	224	<10	<20	0.2	0.1	<2	<100	<0.5	<0.5	<0.1
2918	<1	<2	1	<100	7	1.8	1	<1	<0.5	0.37	<0.5	<0.5	<5	<0.5	302	<10	<20	0.1	0.1	<2	<100	<0.5	<0.5	<0.1
2919	2	<2	2	<100	12	1.9	2	1	<0.5	0.37	<0.5	<0.5	<5	0.7	249	<10	<20	0.1	0.1	<2	<100	<0.5	<0.5	<0.1
2920	1	<2	<1	230	8	3.2	4	2	<0.5	0.06	<0.5	<0.5	<5	<0.5	410	<10	<20	0.1	0.2	<2	<100	<0.5	<0.5	<0.1
2921	2	<2	<1	<100	6	3.0	2	1	<0.5	0.06	<0.5	<0.5	<5	<0.5	278	<10	<20	0.1	0.2	<2	<100	<0.5	<0.5	<0.1
2922	1	<2	<1	140	9	2.0	3	2	<0.5	0.08	<0.5	<0.5	<5	<0.5	263	<10	<20	0.1	0.2	<2	<100	<0.5	<0.5	<0.1
2923	<1	<2	<1	310	4	1.6	5	18	0.7	0.56	2.4	<0.5	<5	<0.5	5300	<10	22	0.2	2.0	<2	<100	<0.5	1.1	<0.1
2924	<1	<2	4	250	9	1.3	3	9	0.9	0.38	1.3	<0.5	<5	<0.5	2480	28	<20	0.7	1.3	<2	<100	<0.5	0.7	<0.1
2925	<1	<2	2	360	6	1.9	6	11	1.3	0.39	1.1	<0.5	<5	1.7	2360	<10	<20	0.6	1.4	<2	<100	<0.5	0.9	<0.1
2926	2	<2	2	240	7	1.3	2	7	0.6	0.23	1.1	<0.5	<5	1.0	1210	<10	<20	0.4	0.8	<2	<100	<0.5	0.7	<0.1
2927	2	<2	3	230	6	0.9	3	19	1.0	0.64	2.4	<0.5	<5	<0.5	4600	<10	<20	0.6	2.8	<2	<100	<0.5	1.4	0.3
2628	3	<2	3	220	8	0.7	3	18	0.9	0.37	2.8	<0.5	<5	<0.5	4910	<10	<20	0.8	1.8	<2	<100	<0.5	1.5	0.4
2929	9	<2	2	270	3	0.6	2	19	1.0	0.48	5.0	<0.5	<5	<0.5	7410	<10	<20	0.4	3.0	<2	<100	<0.5	2.1	0.4
2930	2	<2	4	260	8	1.1	4	10	0.9	0.31	1.2	<0.5	<5	0.9	1840	23	<20	0.8	1.1	<2	<100	<0.5	0.9	<0.1
2931	2	<2	5	190	13	1.2	3	11	0.7	0.37	1.4	<0.5	<5	<0.5	2120	<10	<20	0.8	1.3	<2	<100	<0.5	1.0	0.3
2932	2	<2	4	230	7	1.2	3	11	1.2	0.36	1.2	<0.5	<5	0.9	1670	24	<20	1.0	1.4	<2	<100	<0.5	1.2	0.3
2933	1	<2	2	210	5	1.5	4	30	<0.5	0.69	2.8	<0.5	<5	<0.5	5690	<10	23	0.3	2.4	<2	<100	<0.5	1.1	0.4
2934	<1	<2	1	200	3	0.7	8	29	0.8	1.01	3.5	<0.5	<5	<0.5	9610	<10	21	0.2	3.7	<2	<100	<0.5	1.3	<0.1
2935	1	<2	2	160	5	1.4	4	25	0.6	0.76	2.7	<0.5	<5	<0.5	6570	<10	23	0.4	2.8	<2	<100	<0.5	1.1	0.3
2936	<1	<2	2	200	7	1.2	3	16	0.5	0.37	1.1	<0.5	<5	<0.5	2140	<10	<20	0.4	1.2	<2	<100	<0.5	0.7	<0.1
2937	<1	<2	4	290	7	1.3	2	13	0.8	0.50	2.1	<0.5	<5	0.9	3240	<10	<20	0.9	1.9	<2	130	<0.5	1.4	0.3
2938	2	<2	2	180	6	1.6	2	9	0.7	0.27	1.1	<0.5	<5	<0.5	1540	<10	<20	0.4	0.9	<2	130	<0.5	0.6	0.3
2939	<1	<2	3	230	10	1.5	4	9	0.9	0.33	1.6	<0.5	<5	<0.5	1990	45	<20	0.5	1.1	<2	<100	<0.5	0.8	0.4
2940	<1	<2	1	160	10	1.3	4	7	0.8	0.31	0.9	<0.5	<5	0.7	1770	<10	<20	0.3	0.9	<2	<100	<0.5	0.5	<0.1
2941	<1	<2	5	120	14	0.8	4	7	1.1	0.30	0.7	<0.5	<5	1.1	760	27	<20	0.8	0.9	<2	<100	<0.5	0.6	<0.1
2942	2	<2	5	160	10	0.9	3	14	1.2	0.46	2.3	<0.5	<5	<0.5	4390	<10	<20	0.9	1.8	<2	<100	<0.5	1.7	<0.1
2943	<1	<2	3	100	9	0.8	2	8	<0.5	0.42	1.1	<0.5	<5	<0.5	1450	<10	<20	0.3	1.1	<2	<100	<0.5	0.7	0.2
2944	<1	<2	3	<100	7	1.6	1	4	<0.5	0.14	<0.5	<0.5	<5	<0.5	355	<10	<20	0.4	0.4	<2	<100	<0.5	<0.5	<0.1
2945	8	<2	19	<100	18	<0.3	22	28	0.8	5.26	<0.5	<0.5	<5	<0.5	1980	<11	<20	0.6	6.9	<2	<100	<0.5	3.2	0.8
2946	2	<2	4	<100	10	1.4	1	6	0.5	0.16	<0.5	<0.5	<5	<0.5	367	<10	<20	0.5	0.5	<2	<100	<0.5	<0.5	<0.1
2947	<1	<2	3	<100	25	3.0	17	5	0.6	1.00	<0.5	<0.5	<5	<0.5	364	<10	<20	0.4	1.3	<2	<100	<0.5	0.6	0.4
2948	2	<2	1	<100	18	3.1	3	7	<0.5	0.38	<0.5	<0.5	<5	<0.5	772	<10	<20	0.2	2.5	2	<100	<0.5	1.2	0.6

Activation Laboratories Ltd.   Work Order: 4244   Report: 4254B

Sample description	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
2911	<1	21	2.0	3	<3	0.3	<0.2	<0.2	0.1	<0.1	7.010
2912	<1	24	0.8	1	<3	<0.1	<0.2	<0.2	<0.1	<0.1	8.270
2913	<1	43	0.8	<1	<3	<0.1	<0.2	<0.2	<0.1	<0.1	8.540
2914	<1	23	1.6	2	<3	0.2	<0.2	<0.2	0.1	<0.1	9.810
2915	<1	33	1.6	3	<3	0.2	<0.2	<0.2	0.1	<0.1	7.140
2916	<1	29	1.5	2	<3	0.2	<0.2	<0.2	0.1	<0.1	7.120
2917	<1	21	1.4	2	<3	0.2	<0.2	<0.2	0.1	<0.1	8.020
2918	<1	21	1.0	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	8.390
2919	<1	20	1.4	2	<3	0.2	<0.2	<0.2	<0.1	<0.1	9.660
2920	<1	250	2.3	2	<3	0.2	<0.2	<0.2	<0.1	<0.1	9.110
2921	<1	300	0.9	1	<3	<0.1	<0.2	<0.2	<0.1	<0.1	10.62
2922	<1	280	1.5	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	9.580
2923	<1	180	4.2	8	<3	0.5	<0.2	<0.2	0.4	<0.1	8.980
2924	<1	120	3.5	6	<3	0.4	<0.2	<0.2	0.3	<0.1	6.930
2925	<1	170	4.1	7	<3	0.4	<0.2	<0.2	0.3	<0.1	8.850
2926	<1	100	2.6	5	<3	0.3	<0.2	<0.2	0.2	<0.1	7.680
2927	<1	52	5.0	9	3	0.6	<0.2	<0.2	0.5	<0.1	13.61
2628	<1	26	6.0	10	4	0.6	<0.2	<0.2	0.5	<0.1	9.110
2929	<1	20	7.5	12	3	0.7	0.2	<0.2	0.6	<0.1	14.56
2930	<1	79	4.1	7	3	0.4	<0.2	<0.2	0.3	<0.1	10.61
2931	<1	70	4.1	8	3	0.5	<0.2	<0.2	0.3	<0.1	11.58
2932	<1	88	4.7	9	<3	0.5	<0.2	<0.2	0.3	<0.1	10.56
2933	<1	65	4.4	9	<3	0.6	<0.2	<0.2	0.4	<0.1	9.340
2934	<1	42	5.3	10	<3	0.6	0.2	<0.2	0.5	<0.1	14.49
2935	<1	61	4.6	9	<3	0.6	<0.2	<0.2	0.4	<0.1	12.39
2936	<1	130	2.4	5	<3	0.3	<0.2	<0.2	0.2	<0.1	8.770
2937	<1	100	5.9	10	4	0.6	<0.2	<0.2	0.4	<0.1	12.05
2938	<1	180	2.9	5	<3	0.3	<0.2	<0.2	0.2	<0.1	7.200
2939	<1	180	4.6	7	<3	0.4	<0.2	<0.2	0.3	<0.1	7.180
2940	<1	190	3.1	5	<3	0.3	<0.2	<0.2	0.2	<0.1	9.390
2941	<1	130	4.0	6	<3	0.3	<0.2	<0.2	0.2	<0.1	7.300
2942	<1	97	5.3	9	3	0.6	<0.2	<0.2	0.3	<0.1	7.350
2943	<1	66	2.4	5	<3	0.3	<0.2	<0.2	0.3	<0.1	14.83
2944	<1	180	1.2	2	<3	0.2	<0.2	<0.2	0.1	<0.1	14.23
2945	<1	220	35	45	22	4.2	1.0	0.5	1.6	0.2	15.07
2946	<1	190	1.6	3	<3	0.2	<0.2	<0.2	0.1	<0.1	13.78
2947	<1	72	21	29	16	2.2	0.6	0.2	0.9	0.1	15.04
2948	<1	43	29	32	22	3.0	0.8	0.3	1.1	0.2	15.04

Activation Laboratories Ltd. Work Order: 4523 Report: 4527C

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	K %	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR PPM	TA PPM	TH PPM
2949	0.8	<0.3	0.54	160	4.7	0.62	0.6	1.9	0.08	0.073	<0.05	0.13	<0.1	0.50	<0.05	284	<2	9	0.190	0.21	<0.1	<10	<0.05	0.2
2950	2.1	<0.3	0.38	160	4.5	0.74	0.5	0.9	0.15	0.037	<0.05	<0.05	<0.1	0.30	0.14	217	<2	4	0.170	0.10	<0.1	<10	<0.05	<0.1
2951	0.7	<0.3	0.23	140	2.9	0.73	0.2	0.6	0.08	0.025	0.06	<0.05	<0.1	0.23	<0.05	167	4	2	0.100	0.06	<0.1	<10	<0.05	<0.1
2952	0.6	<0.3	0.27	120	2.9	0.77	0.3	0.8	0.10	0.026	<0.05	<0.05	<0.1	0.23	<0.05	182	<2	3	0.130	0.09	0.2	<10	<0.05	<0.1
2953	0.6	<0.3	0.20	110	2.4	0.80	0.2	0.8	0.09	0.027	0.06	<0.05	<0.1	0.25	<0.05	192	<2	3	0.098	0.09	<0.1	<10	<0.05	<0.1
2956	0.6	<0.3	0.25	120	3.4	0.98	0.3	1.1	0.10	0.032	0.06	0.07	<0.1	0.25	0.07	234	<2	3	0.130	0.12	0.2	<10	<0.05	0.1
2957	0.7	<0.3	0.25	110	3.4	0.86	0.3	0.9	0.12	0.027	0.07	<0.05	<0.1	0.25	<0.05	231	7	4	0.120	0.11	<0.1	<10	<0.05	<0.1
2958	0.7	<0.3	0.31	110	5.2	0.83	0.5	0.7	0.11	0.034	0.07	<0.05	<0.1	0.31	0.09	263	<2	3	0.130	0.12	<0.1	<10	<0.05	<0.1
2959	0.6	<0.3	0.31	68	5.6	0.79	0.5	0.8	<0.05	0.035	<0.05	<0.05	<0.1	0.26	0.14	230	<2	3	0.110	0.11	<0.1	<10	<0.05	0.1
2960	0.4	<0.3	0.36	87	5.3	0.72	0.4	0.8	0.14	0.038	0.05	<0.05	<0.1	0.29	<0.05	279	<2	5	0.120	0.11	<0.1	<10	0.06	<0.1
2961	0.5	<0.3	0.37	98	5.7	0.80	0.5	1.1	0.22	0.041	0.07	<0.05	<0.1	0.38	0.09	316	<2	6	0.130	0.11	<0.1	<10	<0.05	<0.1
2962	0.6	<0.3	0.42	100	7.0	0.80	0.7	1.3	0.23	0.045	0.09	<0.05	<0.1	0.42	0.12	374	<2	6	0.150	0.13	0.4	<10	<0.05	<0.1
2963	0.9	<0.3	0.49	58	6.1	0.71	0.6	1.4	0.20	0.056	0.08	0.08	<0.1	0.35	<0.05	312	<2	6	0.150	0.14	0.4	<10	<0.05	<0.1
2965	0.6	<0.3	0.17	110	4.0	1.1	0.4	0.9	0.07	0.025	<0.05	0.12	<0.1	0.57	0.14	138	<2	6	0.120	0.07	<0.1	83	<0.05	<0.1
2966	0.6	<0.3	0.15	63	5.0	0.91	0.5	0.7	0.10	0.019	0.05	<0.05	<0.1	0.46	0.14	129	<2	4	0.083	0.05	<0.1	52	<0.05	<0.1

Activation Laboratories Ltd. Work Order: 4523 Report: 4527C

Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	Yb PPM	LU PPM	Mass g
2949	0.05	0.13	71	0.71	1.2	<0.5	0.09	<0.05	<0.1	0.038	0.007	5.680
2950	<0.01	0.13	54	0.36	0.6	<0.5	0.05	<0.05	<0.1	0.021	0.004	6.440
2951	<0.01	<0.05	48	0.23	0.3	<0.5	0.03	<0.05	<0.1	0.016	0.003	10.91
2952	<0.01	0.05	48	0.29	0.4	<0.5	0.04	<0.05	<0.1	0.018	0.002	11.86
2953	0.03	<0.05	46	0.29	0.4	<0.5	0.04	<0.05	<0.1	0.015	0.002	13.56
2956	0.04	0.06	51	0.39	0.6	<0.5	0.05	<0.05	<0.1	0.021	0.003	10.34
2957	0.03	<0.05	47	0.36	0.6	<0.5	0.05	<0.05	<0.1	0.023	0.005	8.610
2958	0.05	<0.05	54	0.42	0.7	<0.5	0.05	<0.05	<0.1	0.026	0.004	7.020
2959	<0.01	<0.05	53	0.37	0.6	<0.5	0.05	<0.05	<0.1	0.027	0.003	13.10
2960	0.04	<0.05	53	0.41	0.6	<0.5	0.05	<0.05	<0.1	0.025	0.004	9.960
2961	0.05	<0.05	60	0.41	0.6	<0.5	0.05	<0.05	<0.1	0.025	0.005	7.830
2962	0.04	<0.05	58	0.46	0.8	<0.5	0.06	<0.05	<0.1	0.026	0.005	4.480
2963	0.05	<0.05	110	0.52	0.8	<0.5	0.07	<0.05	<0.1	0.030	0.005	8.150
2965	<0.01	<0.05	96	0.22	0.4	<0.5	0.03	<0.05	<0.1	0.017	0.002	4.140
2966	<0.01	<0.05	63	0.17	<0.3	<0.5	0.02	<0.05	<0.1	0.016	<0.001	4.980

Activation Laboratories Ltd. Work Order: 4523 Report: 4527D

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR PPM	TA PPM	TH PPM	U PPM
2954	1	<2	<1	120	9	1.6	1	1	<0.5	0.12	<0.5	<0.5	<5	<0.5	383	<10	<20	0.2	0.2	<2	<100	<0.5	<0.5	<0.1
2955	<1	<2	<1	120	8	2.0	1	2	<0.5	0.12	<0.5	<0.5	<5	<0.5	393	12	<20	0.2	0.1	<2	<100	<0.5	<0.5	<0.1
2967	<1	<2	6	170	34	2.6	7	3	0.6	1.35	<0.5	<0.5	<5	0.7	410	<10	<20	0.4	0.4	<2	240	<0.5	<0.5	0.1
2968	<1	<2	4	120	24	1.7	4	4	<0.5	0.71	<0.5	<0.5	<5	<0.5	305	<10	<20	0.4	0.6	<2	170	<0.5	<0.5	<0.1
2970	<1	<2	7	190	31	3.0	6	4	0.8	1.50	<0.5	<0.5	<5	<0.5	514	<10	<20	0.5	0.6	<2	260	<0.5	<0.5	0.1

Activation Laboratories Ltd. Work Order: 4523 Report: 4527D

Sample description	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
2954	<1	120	0.6	<1	<3	<0.1	<0.2	<0.2	<0.1	<0.1	15.70
2955	<1	120	0.6	<1	<3	<0.1	<0.2	<0.2	<0.1	<0.1	15.00
2967	<1	87	2.5	3	<3	0.3	<0.2	<0.2	0.1	<0.1	12.52
2968	<1	55	2.8	4	<3	0.4	<0.2	<0.2	0.1	<0.1	14.98
2970	<1	96	2.8	4	<3	0.4	<0.2	<0.2	0.2	<0.1	7.440

Activation Laboratories Ltd.   Work Order: 4170   Report: 4164

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	SR %	TA PPM	TH PPM
8701	6	<2	1	430	3	2	7	60	1	1.89	9	<1	<5	<2	21300	69	<30	<0.1	9.0	<3	<0.01	<0.05	<1	4.4
8702	<2	<2	1	400	5	2	9	61	2	2.00	9	<1	<5	<2	19800	110	41	0.1	8.2	<3	<0.01	<0.05	<1	5.1
8703	60	<2	1	440	3	2	8	61	<1	2.34	8	<1	<5	3	19300	57	37	<0.1	9.0	<3	<0.01	<0.05	<1	4.0
8704	<2	<2	2	430	6	<1	7	63	<1	2.91	9	<1	<5	<2	18100	<50	30	<0.1	8.2	<3	<0.01	<0.05	<1	4.2
8705	5	<2	1	370	5	2	9	73	2	3.27	9	<1	<5	<2	16800	<50	37	<0.1	7.8	<3	<0.01	<0.05	<1	3.9
8706	<2	<2	<1	450	7	<1	14	94	<1	3.49	7	<1	<5	<2	22100	<50	<30	<0.1	11	<3	<0.01	0.10	<1	3.9
8707	4	<2	1	470	4	2	6	65	1	2.01	8	<1	<5	<2	18500	58	41	<0.1	7.6	<3	<0.01	<0.05	<1	4.1
8708	6	<2	1	430	9	2	10	76	<1	3.28	6	<1	<5	<2	20400	110	39	0.1	10	<3	<0.01	<0.05	<1	3.2
8709	5	<2	1	370	6	<1	10	83	1	2.81	7	<1	<5	<2	20700	<50	<30	0.1	11	<3	<0.01	<0.05	1	3.5
8710	2	<2	1	360	3	3	14	180	2	3.44	7	<1	<5	<2	24000	<50	<30	0.2	16	<3	<0.01	<0.05	<1	4.0
8711	<2	<2	1	350	5	3	6	63	1	2.41	9	<1	<5	<2	19300	66	35	0.2	8.1	<3	<0.01	<0.05	<1	4.3
8712	<2	<2	1	380	4	2	6	60	<1	2.02	8	<1	<5	<2	19100	<50	47	<0.1	8.0	<3	<0.01	<0.05	<1	4.2
8713	<2	<2	<1	390	4	2	9	110	1	2.79	8	<1	<5	<2	20600	<50	<30	<0.1	10	<3	<0.01	<0.05	<1	3.9
8714	<2	<2	1	380	4	2	7	89	2	2.41	8	<1	<5	<2	18800	<50	32	0.2	9.1	<3	<0.01	<0.05	<1	4.1
8715	4	<2	<1	380	7	2	10	88	1	3.25	7	<1	<5	<2	20100	<50	<30	<0.1	11	<3	<0.01	<0.05	<1	3.5
8716	4	<2	<1	350	6	1	8	79	<1	2.55	8	<1	<5	<2	18300	<50	37	<0.1	9.9	<3	<0.01	<0.05	<1	3.7
8717	<2	<2	3	380	5	2	21	98	2	4.37	6	<1	<5	<2	22400	<50	<30	0.1	13	<3	<0.01	<0.05	<1	5.0
8718	<2	<2	2	350	8	1	9	68	<1	2.54	6	<1	<5	<2	18800	<50	<30	<0.1	9.8	<3	<0.01	<0.05	<1	3.7
8719	<2	<2	2	410	4	<1	6	49	<1	1.97	7	<1	<5	<2	20800	<50	38	0.1	6.6	<3	<0.01	<0.05	<1	3.8

Activation Laboratories Ltd.   Work Order: 4170   Report: 4164

Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
8701	1.3	<3	<50	22	4[illegible]	15	3.3	1.0	<0.5	1.72	0.28	40.48
8702	1.0	<3	54	20	52	14	3.1	1.0	<0.5	1.78	0.30	31.34
8703	1.1	<3	<50	15	35	12	2.4	0.8	<0.5	1.50	0.25	34.13
8704	1.3	<3	<50	16	31	13	2.3	0.7	<0.5	1.47	0.25	32.87
8705	<0.5	<3	63	15	31	16	2.4	0.7	<0.5	1.33	0.24	33.72
8706	<0.5	<3	53	19	37	17	3.1	1.0	<0.5	1.57	0.27	38.02
8707	1.7	<3	<50	15	28	11	2.1	0.7	<0.5	1.36	0.23	31.51
8708	<0.5	<3	68	14	31	12	2.7	0.9	<0.5	1.44	0.23	34.71
8709	1.7	<3	67	17	37	12	2.7	0.8	<0.5	1.57	0.25	33.12
8710	1.4	<3	96	21	46	16	3.6	1.2	<0.5	1.99	0.32	32.01
8711	1.5	<3	62	17	34	16	2.4	0.8	<0.5	1.27	0.12	33.76
8712	1.5	<3	<50	16	33	12	2.3	0.8	<0.5	1.34	0.23	32.05
8713	1.1	<3	56	15	31	11	2.4	0.8	<0.5	1.74	0.27	33.81
8714	<0.5	<3	<50	16	35	10	2.5	0.8	<0.5	1.63	0.29	32.08
8715	1.5	<3	77	16	37	11	2.6	0.9	0.6	1.59	0.26	34.66
8716	1.5	<3	75	16	33	10	2.3	0.8	<0.5	1.60	0.26	31.02
8717	0.9	<3	98	26	80	16	4.0	1.2	<0.5	1.92	0.30	36.70
8718	0.8	<3	<50	13	31	9	2.1	0.7	<0.5	1.38	0.25	35.84
8719	1.0	<3	<50	14	31	9	2.0	0.8	<0.5	1.19	0.20	40.86

Activation Laboratories Ltd. Wor'k Order: 4170 Report: 4164B

mple description	AU	AG	AS	BA	BR	CA	CO	CR	CS	FE	HF	HG	IR	MO	NA	NI	RB	SB	SC	SE	SN	SR	TA	TH
	PPB	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	%	PPM	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM
138	1470	<5	<2	<100	<1	<1	17	<10	4	11.3	5	<1	<5	6	33000	<50	<30	<0.2	23	<5	<0.01	<0.05	<1	1.3
1139	4890	<5	2	<100	<1	<1	9	11	<2	2.67	<0.5	<1	<5	240	5840	<50	<30	<0.2	2.7	<5	<0.01	<0.05	<1	<0.5
1140	112	<5	<2	190	2	<1	30	31	4	6.14	1.0	1	<5	10	14300	<50	<30	<0.2	32	<5	<0.01	<0.05	<1	<0.5
1141	19	<5	<2	160	1	6	31	270	<2	6.47	2.0	<1	<5	<5	16300	<50	<30	<0.2	24	<5	<0.01	<0.05	<1	<0.5

Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
261138	<0.5	16	339	8	24	11	3.5	1.3	0.9	6.07	1.00	33.87
261139	<0.5	15	<50	<1	<3	<5	0.2	<0.2	<0.5	0.44	0.09	32.71
261140	1.1	<4	96	6	17	<5	1.3	0.5	<0.5	1.60	0.22	33.36
261141	<0.5	<4	102	4	10	<5	1.1	0.5	<0.5	1.72	0.28	34.64

Activation Laboratories Ltd. Work Order: 4523 Report: 4527B

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA %	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN PPM	SR PPM	TA PPM	TH PPM
8720	6	<5	0.9	430	3.2	<1	7	66	<1	2.21	9	<1	<5	<1	1.85	<20	78	0.2	8.3	<3	<100	<500	<0.5	4.9
8721	<2	<5	<0.5	420	1.9	4	8	71	1	2.00	6	<1	<5	<1	1.85	<20	33	0.2	8.6	<3	<100	<500	1.4	4.4
8722	5	<5	1.4	520	1.6	7	8	74	<1	1.90	5	<1	<5	<1	1.83	<20	40	3.1	8.2	<3	<100	<500	<0.5	4.4
8723	<2	<5	<0.5	390	1.6	5	9	88	<1	2.03	5	<1	<5	<1	1.86	<20	32	0.3	8.7	<3	<100	<500	<0.5	4.4
8724	6	<5	<0.5	490	2.4	5	9	98	<1	2.14	7	<1	<5	2	1.92	<20	<5	0.3	9.5	<3	<100	<500	1.3	4.9
8725	8	<5	1.1	570	<0.5	2	13	97	<1	2.65	7	<1	<5	<1	2.00	<20	56	0.3	11	<3	<100	<500	<0.5	5.1
8726	<2	<5	1.3	400	6.6	7	8	56	<1	1.61	83	<1	<5	4	1.91	<20	30	1.9	6.6	<5	<100	<500	<0.5	5.5
8727	<2	<5	0.8	450	1.7	7	8	78	1	1.99	5	<1	<5	<1	1.81	<20	52	0.2	8.2	<3	<100	<500	<0.5	4.6
8728	<2	<5	<0.5	480	2.0	7	10	80	<1	1.99	5	<1	<5	<1	1.85	110	35	0.3	8.5	<3	<100	<500	1.2	5.4
8729	<2	<5	<0.5	540	1.8	7	8	81	<1	1.97	6	<1	<5	<1	1.87	<20	<5	0.2	8.6	<3	<100	<500	<0.5	4.6
8730	<2	<5	0.7	490	1.8	5	8	72	<1	1.76	6	<1	<5	<1	1.89	<20	52	0.2	8.3	<3	<100	<500	<0.5	4.0
8731	<2	<5	<0.5	630	2.1	5	8	84	1	1.85	6	<1	<5	<1	1.93	<20	52	<0.1	8.5	<3	<100	<500	<0.5	4.6
8733	<2	<5	1.0	670	<0.5	<1	8	86	<1	1.89	8	<1	<5	3	2.10	<20	58	0.3	9.3	<3	<100	<500	<0.5	5.5
8734	<2	<5	<0.5	560	<0.5	3	7	78	<1	1.82	8	<1	<5	<1	1.95	<20	67	0.3	9.0	<3	<100	<500	<0.5	5.4
8735	4	<5	<0.5	670	<0.5	3	18	180	2	3.47	6	<1	<5	<1	2.20	<20	<6	<0.1	12	<3	<100	<500	<0.5	5.3
8736	5	<5	0.8	470	1.8	5	8	80	1	1.73	5	<1	<5	<1	1.78	<20	64	0.3	7.9	<3	<100	<500	<0.5	3.6
8737	<2	<5	1.0	540	2.1	6	8	81	<1	1.82	5	<1	<5	<1	1.80	<20	34	0.2	8.1	<3	<100	<500	<0.5	3.9
8738	<2	<5	<0.5	420	1.7	7	8	80	<1	1.75	5	<1	<5	<1	1.80	<20	56	0.3	8.1	<3	<100	<500	<0.5	4.1
8739	<2	<5	1.7	500	3.4	2	9	77	<1	2.23	7	<1	<5	<1	2.27	<20	<6	0.3	8.7	<3	<100	<500	<0.5	3.9
8740	<2	<5	1.1	600	2.0	2	8	66	2	1.91	6	<1	<5	2	2.17	<20	52	0.3	7.8	<3	<100	<500	<0.5	3.7
8741	2	<5	1.6	640	3.8	2	12	100	1	2.58	7	<1	<5	<1	2.29	<20	41	0.5	9.4	<3	<100	<500	<0.5	4.7
8742	5	<5	2.0	520	2.6	1	10	82	1	2.41	6	<1	<5	<1	2.25	<20	47	0.6	9.1	<3	<100	<500	<0.5	4.3

Activation Laboratories Ltd. Work Order: 4523 Report: 4527B

Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
8720	1.5	<1	63	13	35	12	2.1	0.7	<0.5	1.2	0.22	35.84
8721	1.0	<1	<50	19	43	17	2.9	0.9	<0.5	1.4	0.26	33.77
8722	1.3	<1	<50	16	37	16	2.5	0.8	<0.5	1.2	0.22	32.18
8723	0.9	<1	53	18	45	17	2.7	0.9	<0.5	1.1	0.22	29.50
8724	<0.5	<1	<50	21	49	21	3.1	0.9	0.5	1.3	0.24	28.78
8725	1.1	<1	56	21	48	20	3.2	1.1	<0.5	1.4	0.26	31.61
8726	4.2	<1	138	17	38	18	3.1	1.1	<0.5	1.1	0.21	0.6140
8727	<0.5	<1	<50	19	46	16	2.7	0.8	<0.5	1.2	0.25	29.79
8728	0.7	<1	<50	20	50	19	2.9	0.9	<0.5	1.3	0.22	26.25
8729	1.2	<1	78	20	47	22	2.9	1.0	<0.5	1.3	0.22	31.00
8730	<0.5	<1	<50	17	40	15	2.7	1.0	<0.5	1.1	0.22	31.96
8731	<0.5	<1	51	18	43	15	2.9	0.9	<0.5	1.3	0.23	25.25
8733	<0.5	<1	<50	21	51	21	3.2	1.0	<0.5	1.4	0.28	25.66
8734	<0.5	<1	<50	21	51	23	3.1	1.0	0.5	1.4	0.26	27.59
8735	<0.5	<1	57	23	55	25	4.2	1.5	0.7	1.7	0.33	30.00
8736	<0.5	<1	65	16	40	15	2.5	0.8	<0.5	1.1	0.19	29.99
8737	0.8	<1	<50	17	41	17	2.6	0.9	<0.5	1.1	0.20	29.69
8738	0.9	<1	<50	17	43	15	2.6	0.9	<0.5	1.2	0.22	32.27
8739	<0.5	<1	<50	14	40	16	2.4	0.9	<0.5	1.0	0.20	26.73
8740	<0.5	<1	<50	13	39	10	2.2	0.8	<0.5	0.9	0.20	38.96
8741	1.1	<1	53	15	51	16	2.5	0.9	<0.5	1.1	0.24	28.78
8742	1.0	<1	<50	15	59	14	2.6	1.0	<0.5	1.1	0.21	37.65

Activation Laboratories Ltd.   Work Order: 4523   Report: 4527

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	SR %	TA PPM	TH PPM
8901	<5	<5	<2	<100	<1	4	26	11	<2	12.3	5.7	<1	<5	<5	11100	<50	<30	0.3	38	<5	<0.02	<0.05	3	<0.5
8902	<5	<5	<2	260	<1	<1	<5	21	<2	8.89	4.7	<1	<5	<5	15900	<50	<30	0.3	11	<5	<0.02	<0.05	<1	2.8
8903	2490	<5	<2	<100	<1	2	10	13	<2	2.20	0.9	<1	<5	<5	7390	<50	<30	<0.2	3.1	<5	<0.01	<0.05	<1	0.6
9362	<5	<5	<2	720	<1	<1	<5	<10	2	1.09	3.6	<1	<5	<5	10100	<50	130	0.3	3.4	<5	<0.01	<0.05	<1	2.8

Activation Laboratories Ltd. Work Order: 4523 Report: 4527

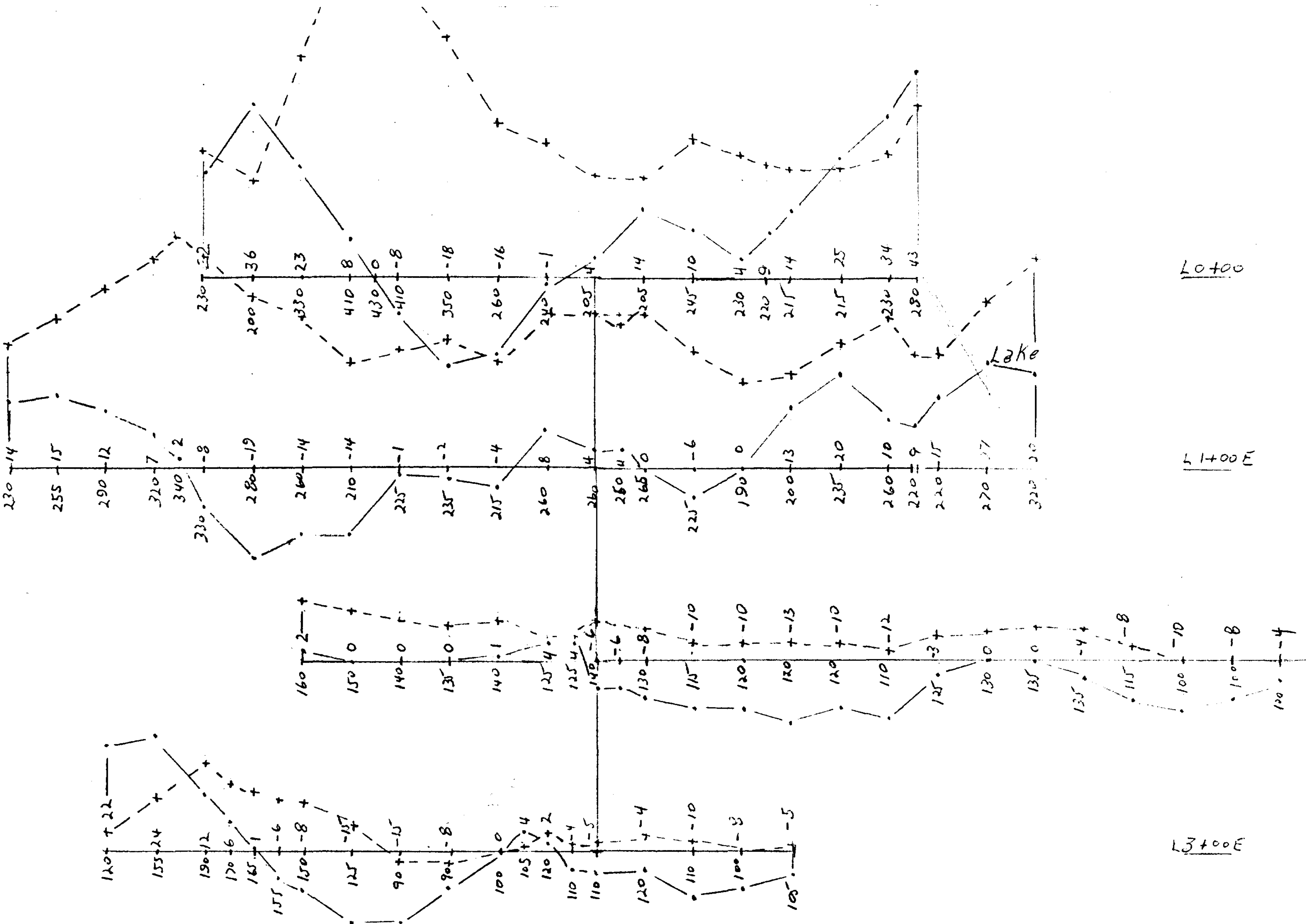
Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
8901	<0.5	<4	187	8	28	14	3.7	1.8	<0.5	5.12	1.21	42.22
8902	<0.5	<4	204	12	25	8	1.6	0.7	<0.5	2.67	0.56	33.27
8903	<0.5	<4	<50	2	4	<5	0.5	0.3	<0.5	0.61	0.09	41.69
9362	2.2	<4	<50	7	28	11	2.0	0.6	<0.5	2.61	0.45	31.21

Activation Laboratories Ltd. Work Order: 4243 Report: 4249

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	SR %	TA PPM	TH PPM
26142	102	<5	490	<100	<1	<1	<5	<10	<2	16.6	<0.5	<1	<5	6	<500	<50	<30	0.6	0.6	<5	<0.01	<0.05	<1	<0.5
26143	9	<5	3	400	<1	<1	<5	14	<2	6.66	4.0	<1	<5	<5	15400	<50	77	<0.2	4.7	<5	<0.01	<0.05	<1	2.9
26144	<5	<5	3	<100	<1	<1	6	17	<2	9.58	4.0	<1	<5	<5	6150	<50	99	<0.2	5.0	<5	<0.01	<0.05	1	3.2
26145	<5	<5	<2	240	<1	<1	19	26	<2	10.1	4.1	<1	<5	<5	7550	<50	40	<0.2	6.1	<5	<0.01	<0.05	2	3.6
26146	10	<5	8	<100	<1	<1	13	15	<2	17.4	<0.5	<1	<5	<5	<500	130	<30	0.3	1.6	<5	<0.01	<0.05	<1	0.6
26147	8	<5	65	<100	<1	<1	8	16	2	11.5	1.4	<1	<5	<5	<500	<50	69	1.4	4.3	<5	<0.01	<0.05	<1	1.1
26148	11	<5	96	<100	<1	<1	16	18	<2	13.6	0.9	<1	<5	<5	<500	<50	<30	1.0	3.0	5	<0.01	<0.05	<1	1.3
26149	<5	<5	9	700	1	<1	6	18	<2	2.58	3.8	<1	<5	<5	27400	<50	<30	<0.2	7.0	<5	<0.01	<0.05	<1	2.9
26150	90	<5	<2	260	<1	2	16	48	<2	12.4	3.6	<1	<5	<5	1880	<50	<30	<0.2	11	<5	<0.01	<0.05	1	2.5
9351-61	<5	<5	73	270	<1	<1	<5	17	<2	13.4	3.8	<1	<5	6	20300	<50	39	<0.2	4.5	<5	<0.01	<0.05	<1	2.7
9352-61	<5	<5	<2	130	<1	<1	11	12	<2	14.7	3.1	<1	<5	6	17700	<50	52	<0.2	4.2	<5	<0.01	<0.05	2	3.0
9353-61	<5	<5	20	530	<1	<1	6	35	<2	3.43	5.7	<1	<5	<5	18800	<50	100	0.4	12	<5	<0.01	0.08	<1	5.7
9354-61	<5	<5	<2	290	<1	<1	10	33	<2	5.16	7.0	<1	<5	<5	22900	<50	<30	0.3	8.0	<5	<0.01	<0.05	2	5.7
9355-61	<5	<5	48	360	<1	<1	59	58	<2	12.7	3.9	<1	<5	9	10200	<50	<30	1.1	13	6	<0.01	<0.05	<1	3.2
9356-61	<5	<5	<2	410	<1	<1	<5	29	<2	5.40	5.5	<1	<5	<5	9420	<50	99	0.2	9.8	<5	<0.01	<0.05	<1	5.2
9357-61	<5	<5	3	230	<1	<1	6	81	<2	4.45	4.3	<1	<5	<5	6890	<50	71	<0.2	9.0	<5	<0.01	<0.05	<1	4.5
9358-61	22	<5	110	110	<1	<1	24	<10	<2	20.7	3.2	<1	<5	<5	2220	<50	39	2.8	2.7	<5	<0.01	<0.05	1	3.8
9359-61	<5	<5	5	<100	<1	<1	<5	14	<2	22.1	<0.5	<1	<5	<5	<500	<50	<30	0.2	1.0	<5	<0.01	<0.05	<1	0.5
9360-61	38	<5	<2	460	<1	<1	14	13	3	12.1	3.4	<1	<5	<5	21000	<50	<30	0.2	4.1	<5	<0.01	0.05	1	2.9
9361-61	<5	<5	<2	360	<1	6	36	<10	9	9.87	2.2	<1	<5	<5	18100	<50	42	0.3	35	<5	<0.01	<0.05	<1	<0.5

Activation Laboratories Ltd. Work Order: 4243 Report: 4249

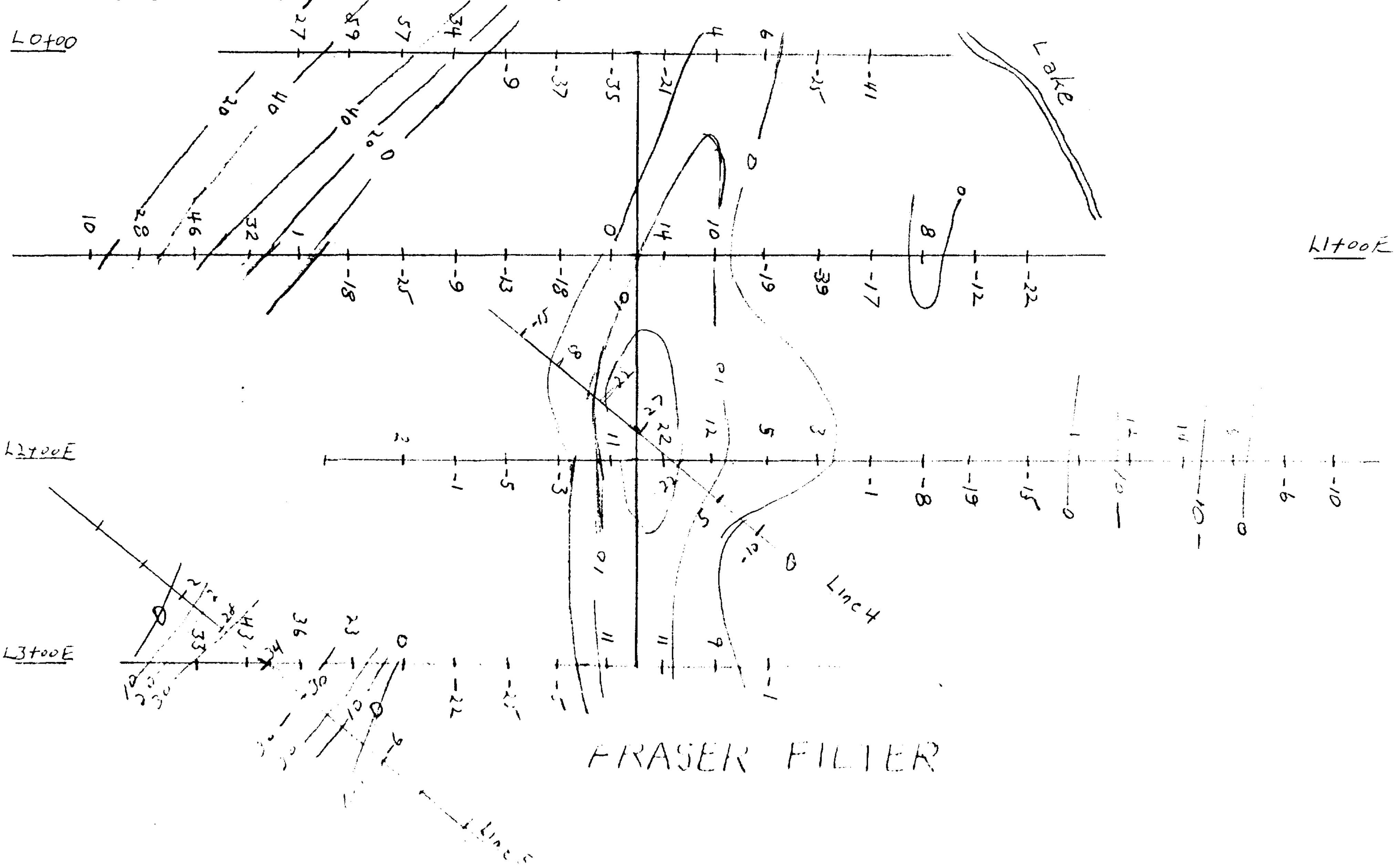
Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
26142	<0.5	<4	82	3	5	<5	0.7	0.9	<0.5	1.11	0.17	45.64
26143	<0.5	<4	<50	10	19	6	1.2	0.4	<0.5	1.27	0.22	36.82
26144	<0.5	<4	117	7	13	<5	1.1	0.4	<0.5	0.89	0.16	33.21
26145	<0.5	<4	254	12	23	9	1.4	0.5	<0.5	1.20	0.22	41.22
26146	<0.5	<4	215	5	10	9	0.8	0.5	<0.5	0.58	0.12	46.56
26147	<0.5	<4	397	11	25	11	1.8	1.1	<0.5	1.15	0.15	38.50
26148	<0.5	<4	424	6	14	<5	0.9	0.7	<0.5	0.84	0.13	41.17
26149	<0.5	<4	<50	12	23	7	1.1	0.4	<0.5	0.91	0.12	37.61
26150	<0.5	<4	595	13	21	6	1.6	0.3	<0.5	1.25	0.22	34.56
9351-61	<0.5	<4	163	12	19	6	1.1	0.3	<0.5	1.05	0.17	37.94
9352-61	<0.5	<4	162	12	26	8	1.6	0.5	<0.5	1.37	0.29	37.96
9353-61	<0.5	<4	128	28	62	27	4.3	1.3	<0.5	2.05	0.37	29.50
9354-61	<0.5	<4	92	17	28	9	1.9	0.4	<0.5	4.14	0.66	36.01
9355-61	1.5	<4	985	12	30	12	2.1	0.9	<0.5	1.94	0.30	33.87
9356-61	2.4	<4	118	13	29	<5	1.1	0.4	<0.5	1.49	0.31	31.99
9357-61	1.1	<4	106	8	20	6	1.1	0.5	<0.5	1.33	0.24	30.65
9358-61	<0.5	<4	160	27	63	26	3.3	0.9	<0.5	1.38	0.25	41.86
9359-61	0.9	<4	83	4	9	<5	0.7	0.8	<0.5	0.75	0.10	45.79
9360-61	<0.5	<4	120	15	26	10	1.3	0.2	<0.5	1.17	0.21	35.13
9361-61	1.3	<4	102	4	13	8	2.5	1.1	<0.5	3.72	0.58	39.90



Geochemical Samples

Sample No	Type	Line	Station	Au P.P.B
2949	Veg.	0+00	0+75N	0.8
2950	Veg.	0+00	0+62N	2.1
2951	Veg.	0+00	0+57N	0.7
2952	Veg.	0+00	1+12S	0.7
2953	Veg.	0+00	1+18S	0.6
2954	Hum.	1+00E	2+10S	1
2955	Hum.	1+00E	2+15S	<1
2956	Veg.	1+00E	0+25N	0.6
2957	Veg.	1+00E	0+20N	0.7
2958	Veg.	2+00E	0+00	0.7
2959	Veg	2+00E	0+05S	0.6

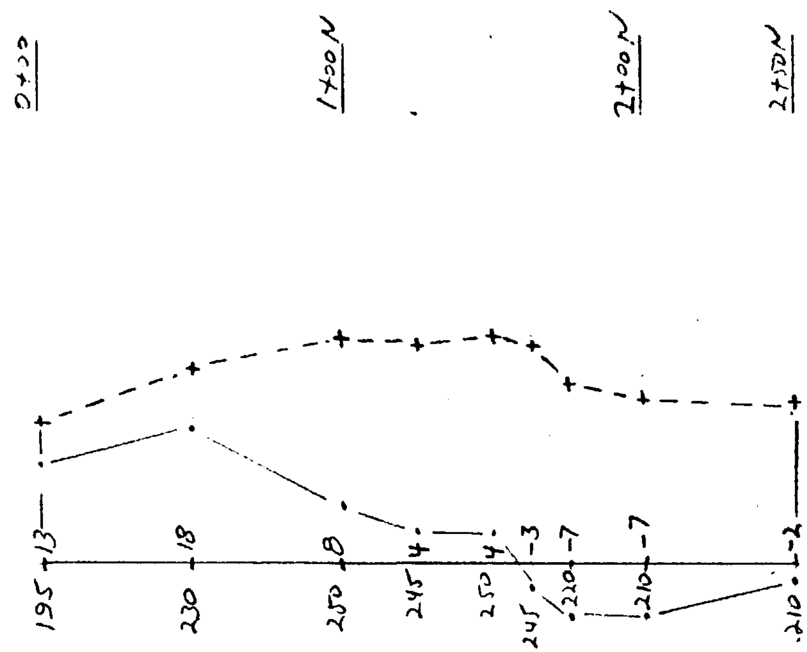
V. L. F. Grid



FRASER FILTER

Sample list to Werner South.

Sample No.	Auger	Line	Station	Au PPB
8723	Clay	0+00 E	0+53 N	<2
8724	Clay	0+00 E	0+59 N	6
8725	Clay	0+00 E	0+65 N	8
8726	Clay	0+00 E	1+06 S	<2
	Peat	0+00 E	1+12 S	
	Peat	0+00 E	1+18 S	
8727	Clay	1+00 E	0+31 N	<2
8728	Clay	1+00 E	0+25 N	<2
8729	Clay	1+00 E	0+19 N	<2
8730	Clay	2+00 E	0+06 S	<2
8731	Clay	2+00 E	0+00 N	<2
8732	Peat	2+00 E	0+06 N	N/S
8733	Clay	3+00 E	0+14 S	<2
8734	Clay	3+00 E	0+20 S	<2
8735	Clay, grit	3+00 E	0+26 S	4
8736	Clay	3+00 E	1+69 S	5
8737	Clay	3+00 E	1+75 S	<2
8738	Clay	3+00 E	1+81 S	<2

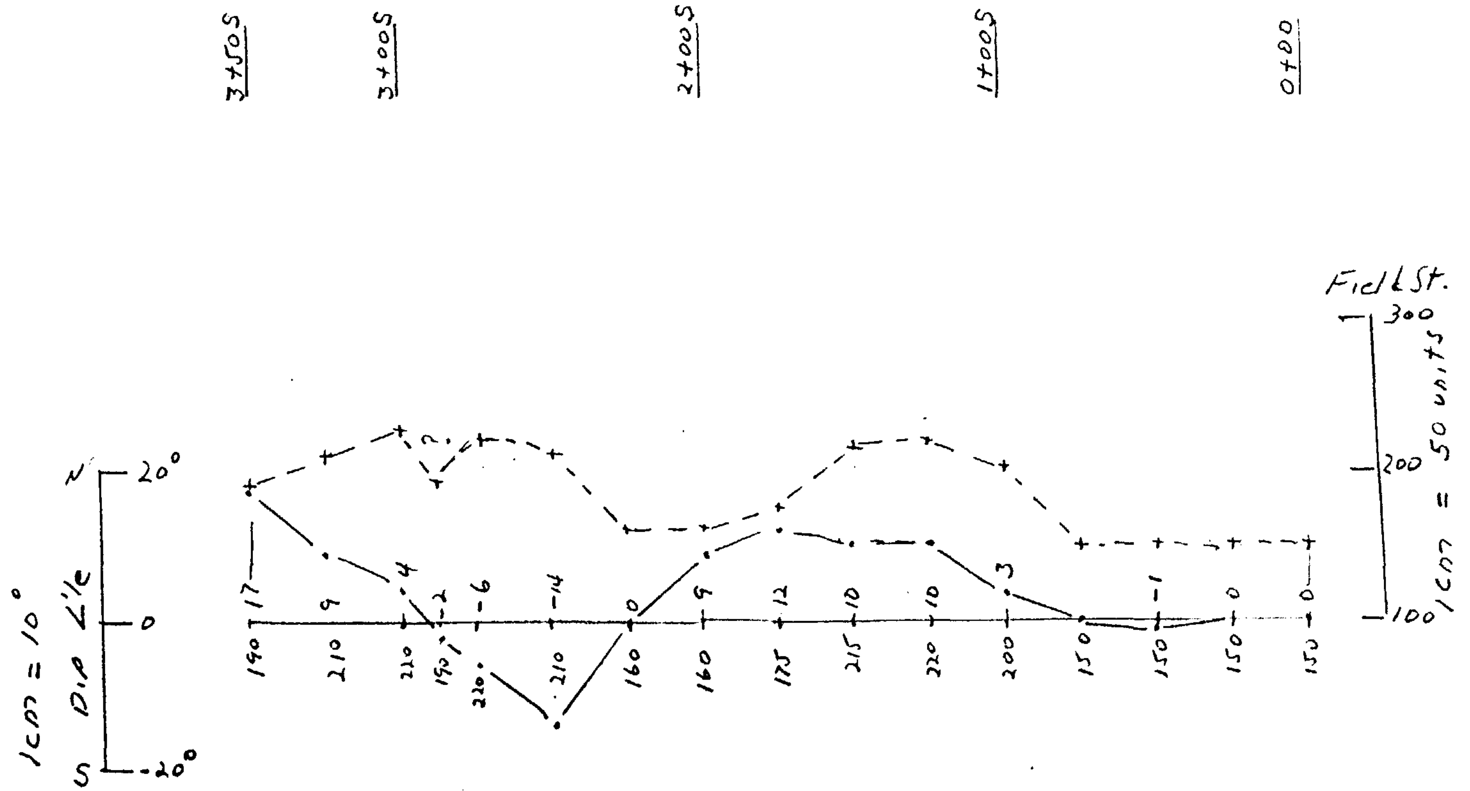


Line 25

•——• Dip Angle 1cm = 10°

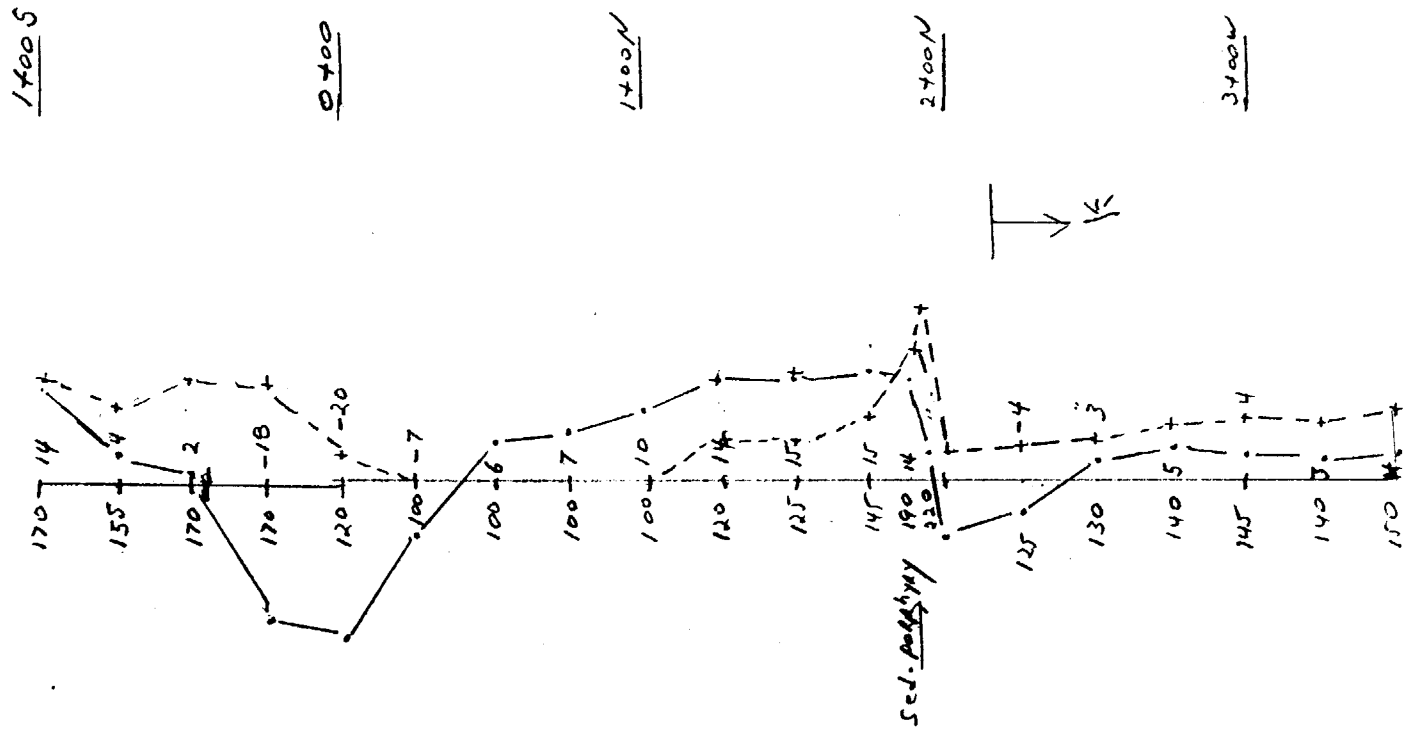
+- -+ Field Strength 1 cm = 50%

Scale 1cm = 25mtr.



Line 8 Geochemical Sample - Humus

Sample No	Station	Au P.P.B.
2920	2+90 S	1



Line 9

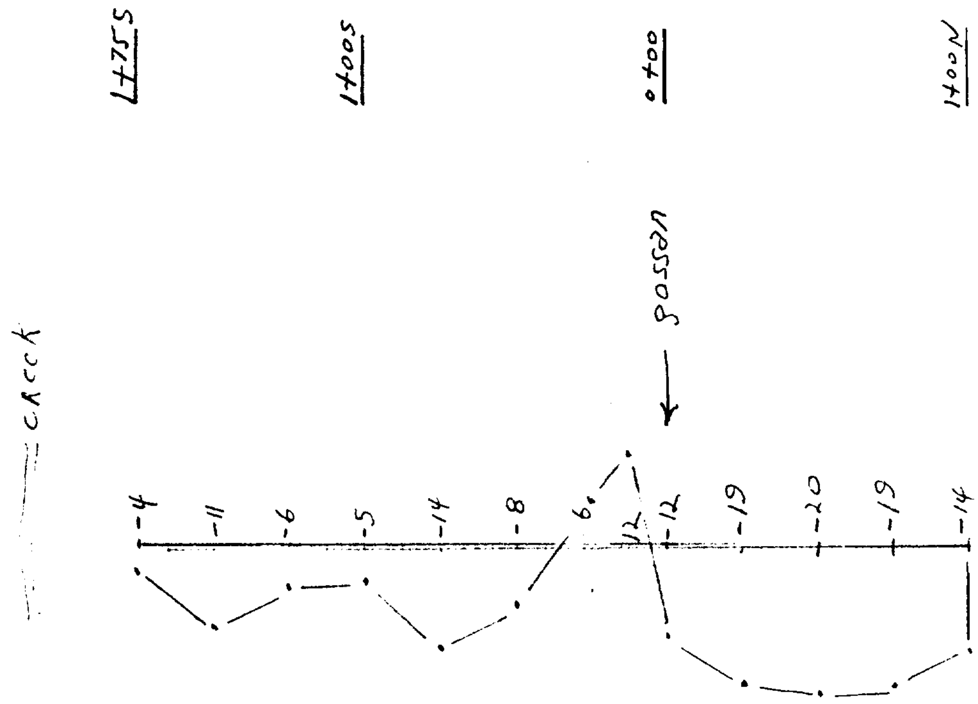
Geochemical Sample - Humus

Sample No	Station	Au P.P.B.
2921	0+45S	2
2922	2+90N	1

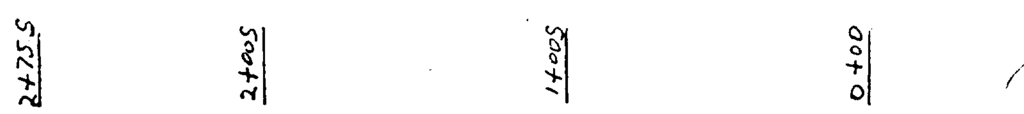
.10. Dip angle 1cm = 10°

+---+ 190 Field Strength 1Cm = 50%

Scale 1cm = 25 meters



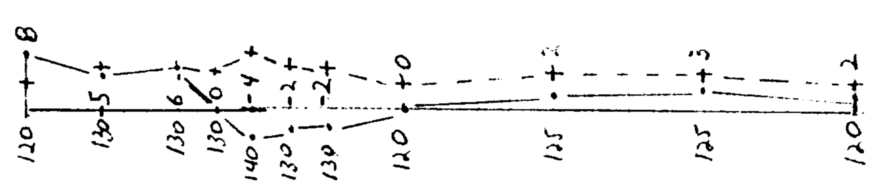
Line 21



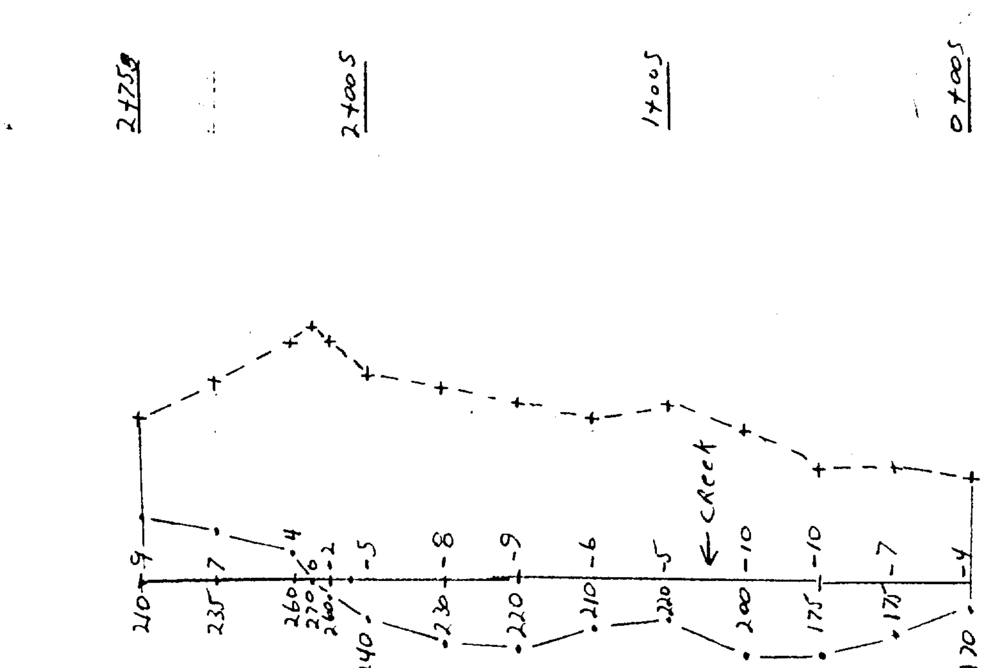
.—. Dip Angle 1cm = 10°

+--+ Field Strength 1cm = 50%

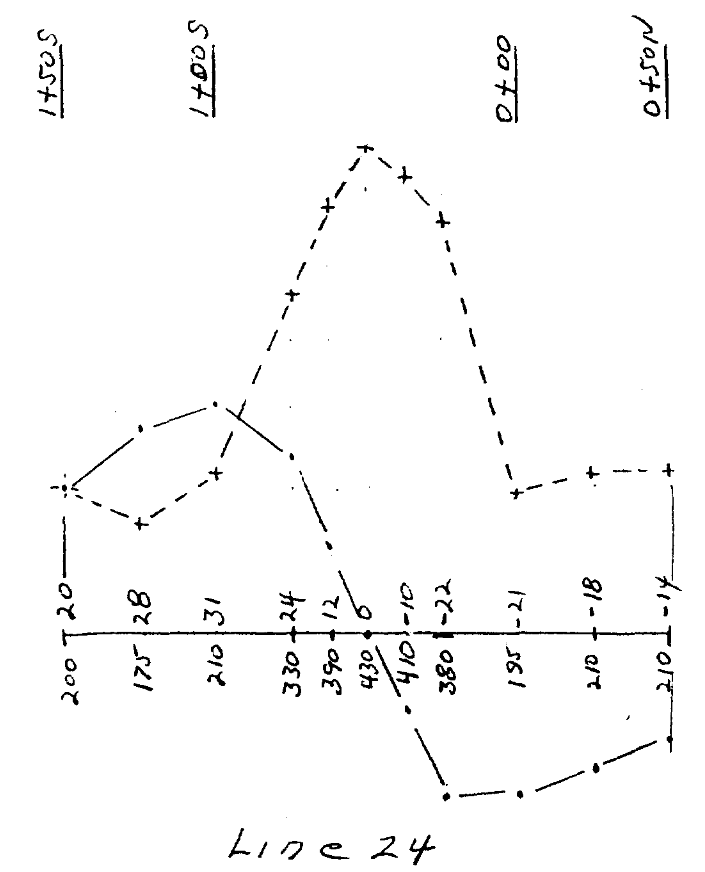
Scale 1cm = 25mts



Line 22



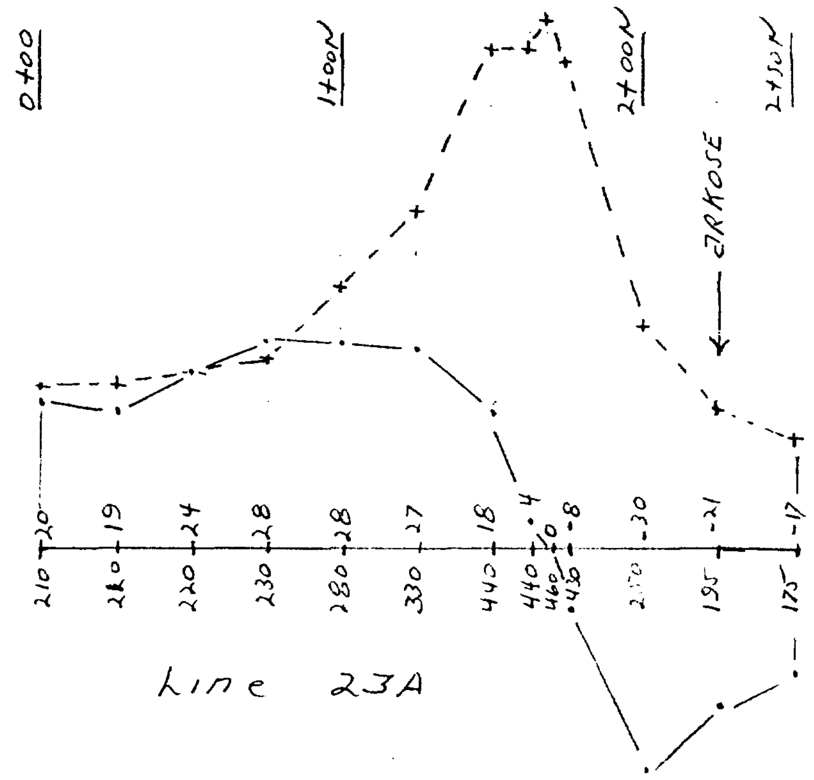
Line 25

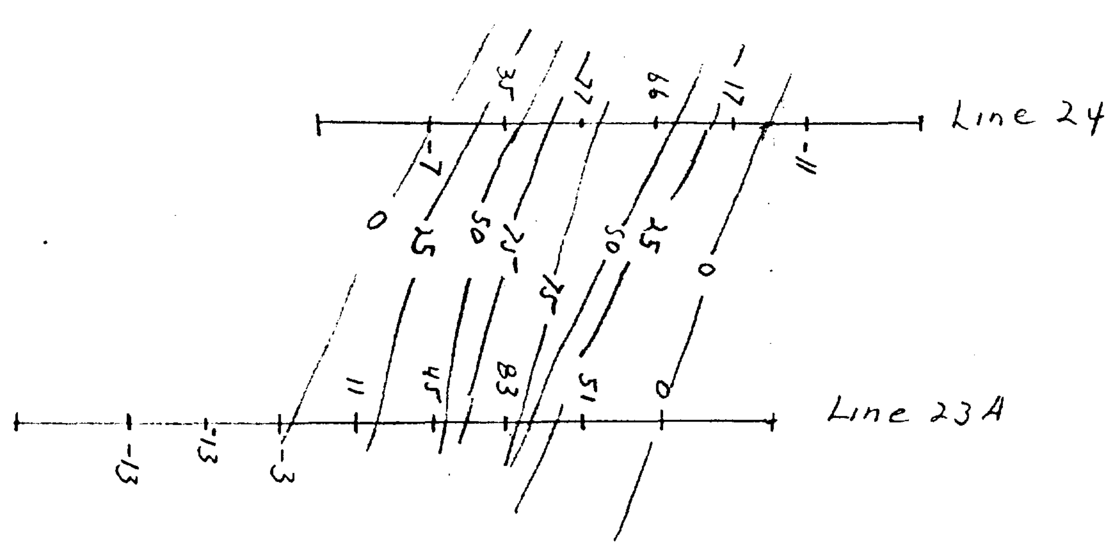


.—. Dip Angle 1cm = 10°

+--+ Field Strength 1cm = 50%

Scale: 1cm = 25 meters



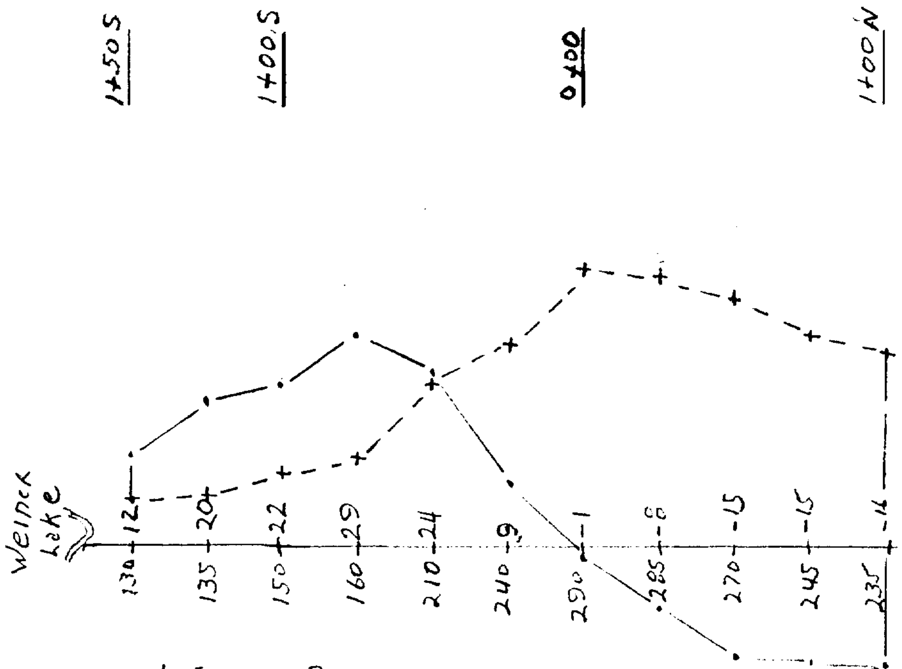


FRASER FILTER

Geochemical Samples

Sample No	Type	Line	Station	Au P.P.B.
2964	Veg.	23A	1+67N	missing
2965	Veg.	23A	1+71N	0.6
2966	Veg.	23A	1+75N	0.6
2967	Hum.	24	0+44S	<1
2968	Hum.	24	0+50S	<1
2969	Veg	24	0+56S	<1

FELIX LAKE

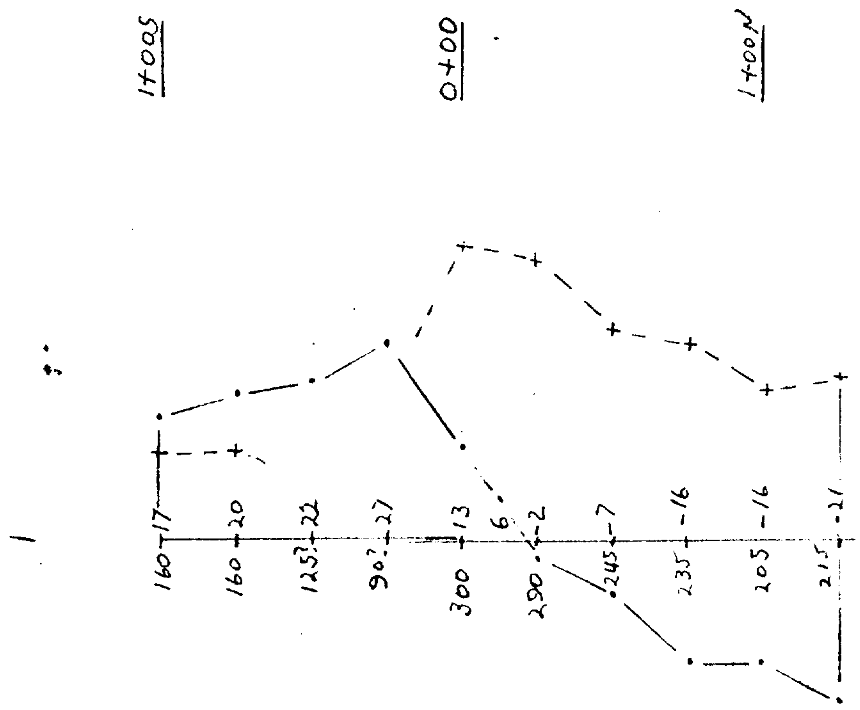


Line 20

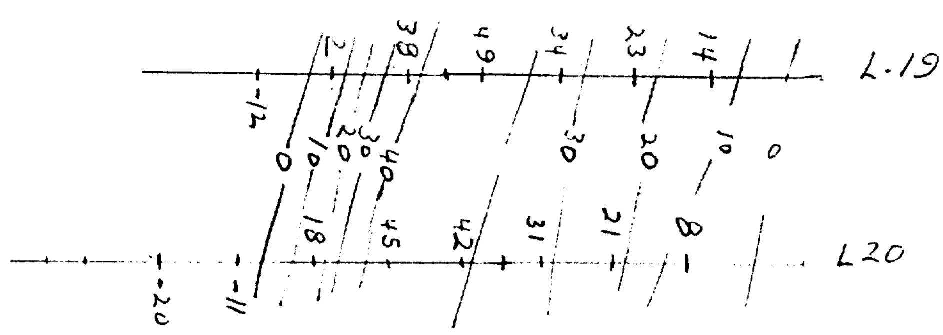
-—. Dip Angle 1cm = 10°

+--+ Field Strength 1cm = 50%

Scale 1cm = 25 mts



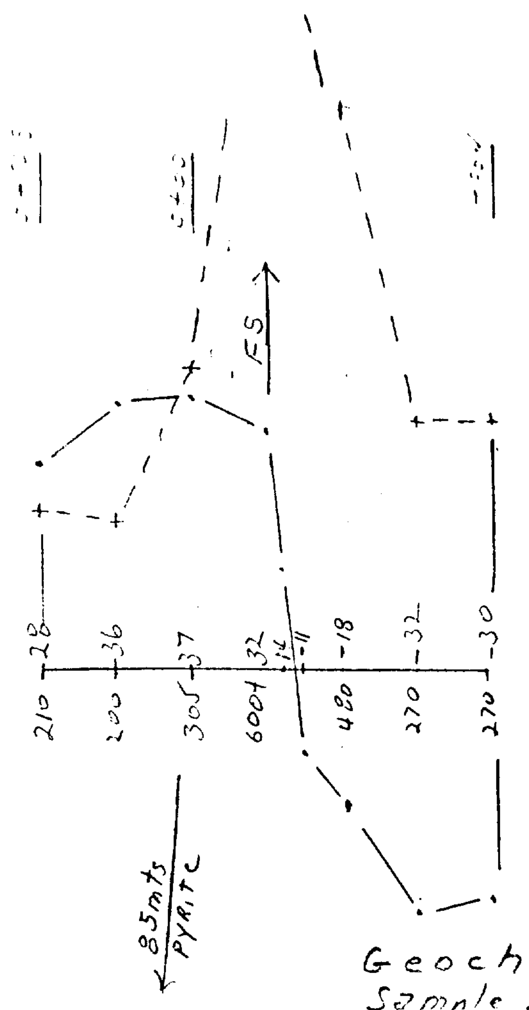
Line 19



Fraser Filter

Geochemical Samples Vegetation

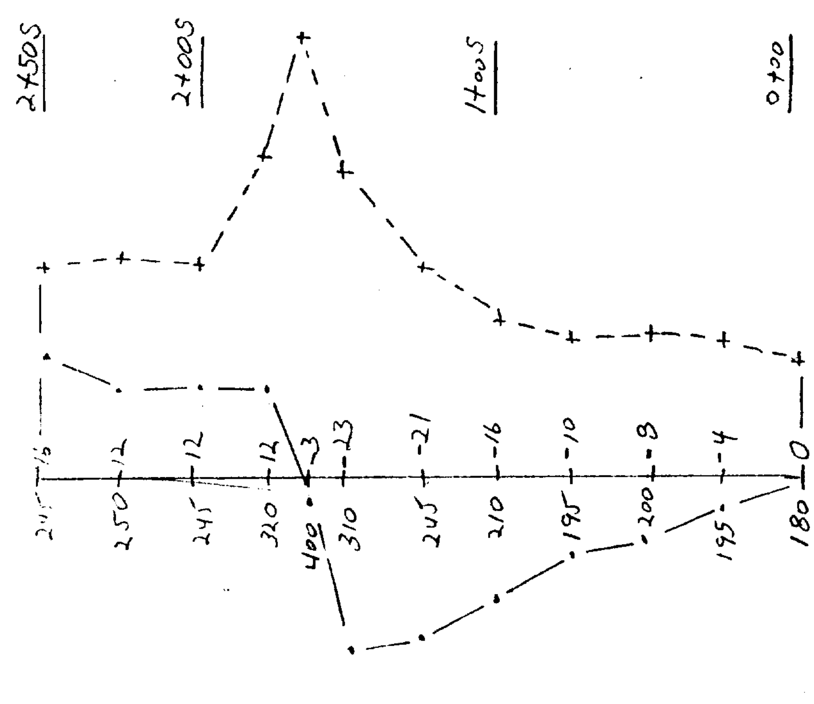
Sample No	Line	Station	Au P.P.B
2960	20	0+00	0.4
2961	20	0+05 S	0.5
2962	19	0+20N	0.6
2963	19	0+15N	0.9



Line 17

Geochemical Samples - Humus

Sample No	Station	Au P.P.B
2943	0+25N	<1
2944	0+31N	<1
2945	0+34N	8
2946	0+37N	2
2947	0+43N	<1
2948	0+50N	2

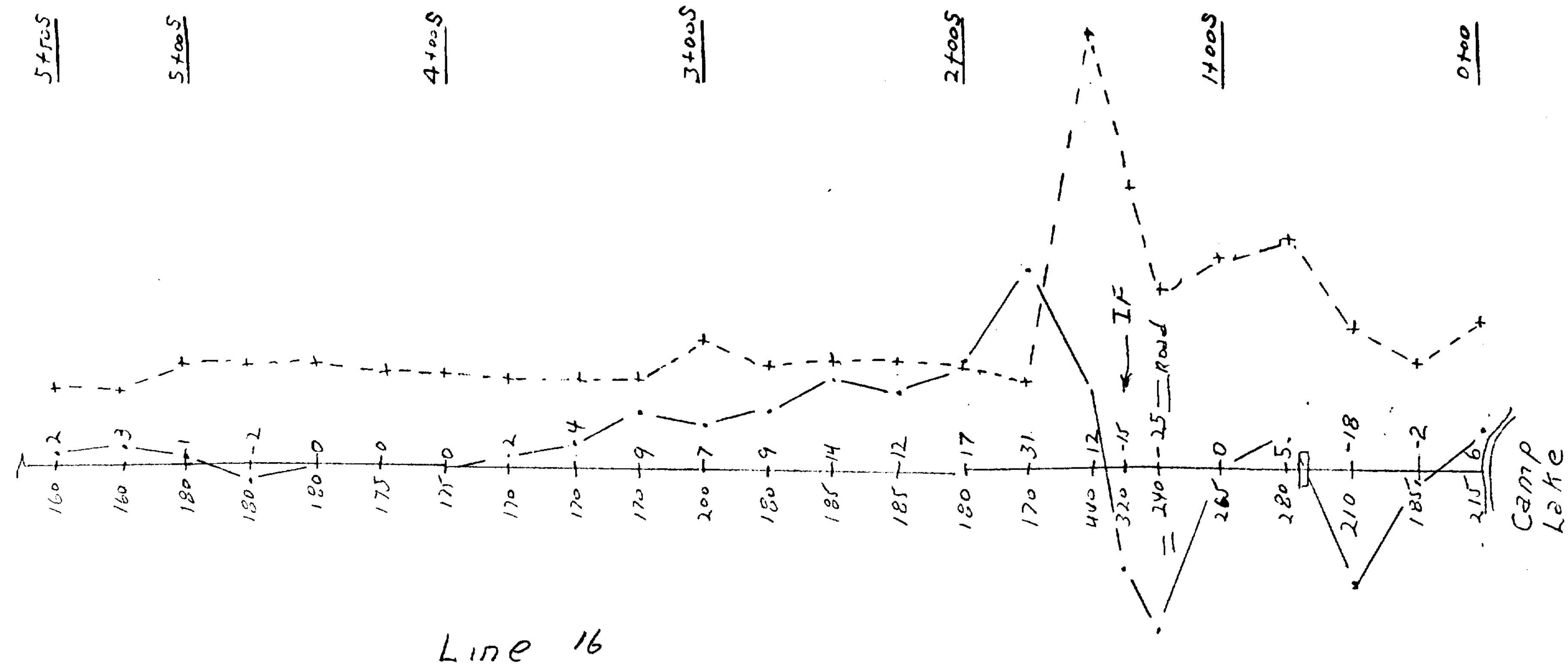


Line 18

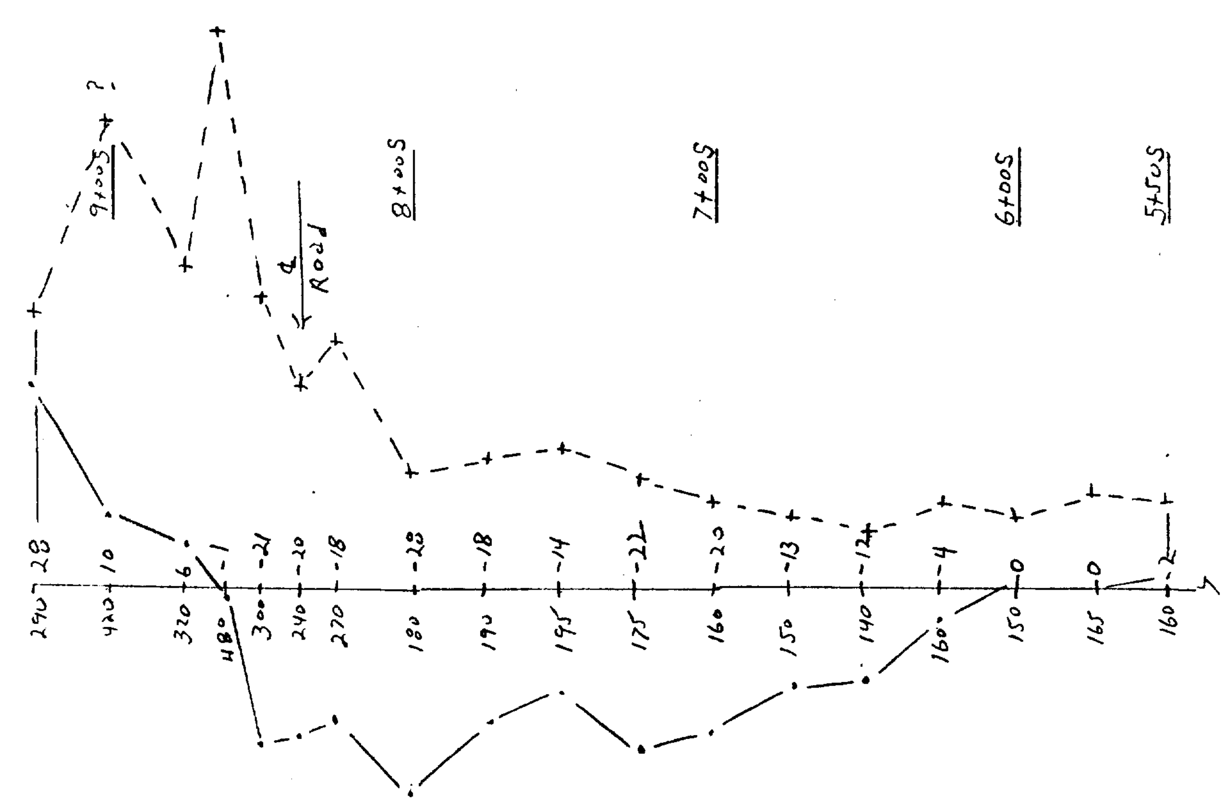
.10. Dip Angle 1cm = 10°

+- - -+ Field Strength 1cm = 50%

Scale 1cm = 25 mts.



Line 16



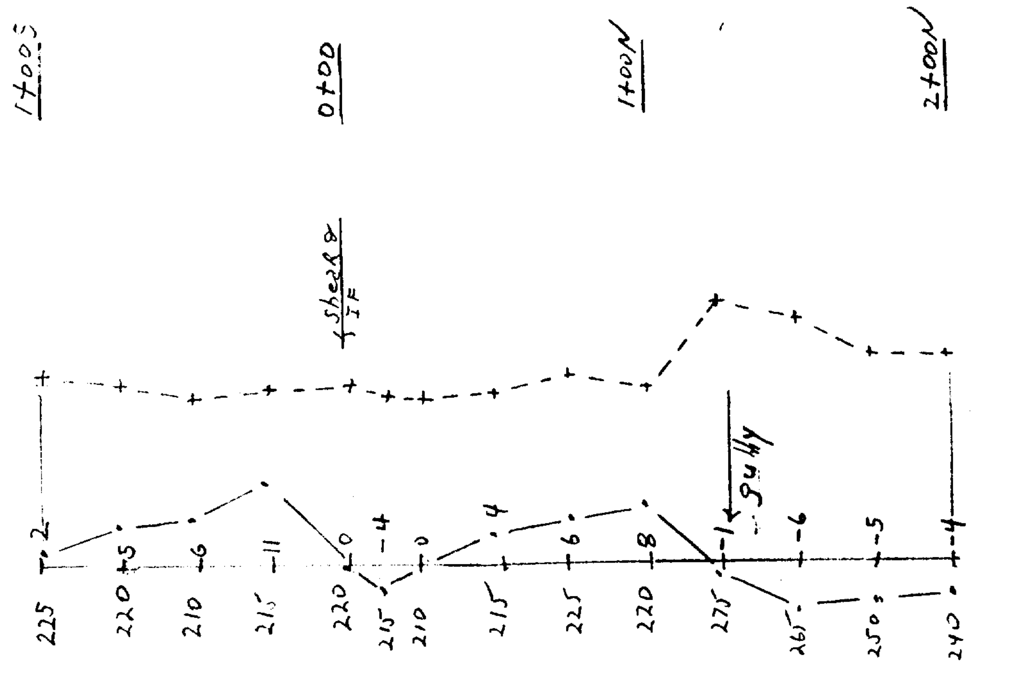
Line 16 (con't)

Geochemical Sample No	Sample Station	Humus Au P.P.B
2938	3+75S	2
2939	3+69S	<1
2940	3+62S	<1
2941	3+56S	<1
2942	3+50S	2

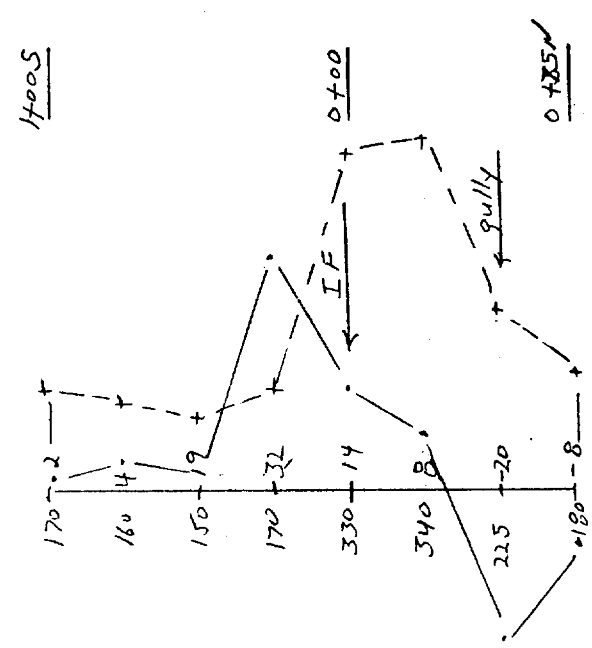
.10. Dip Angle 1cm = 10°

+---+ 190 Field Strength 1cm = 50%

Scale 1cm = 25 mts



Line 14

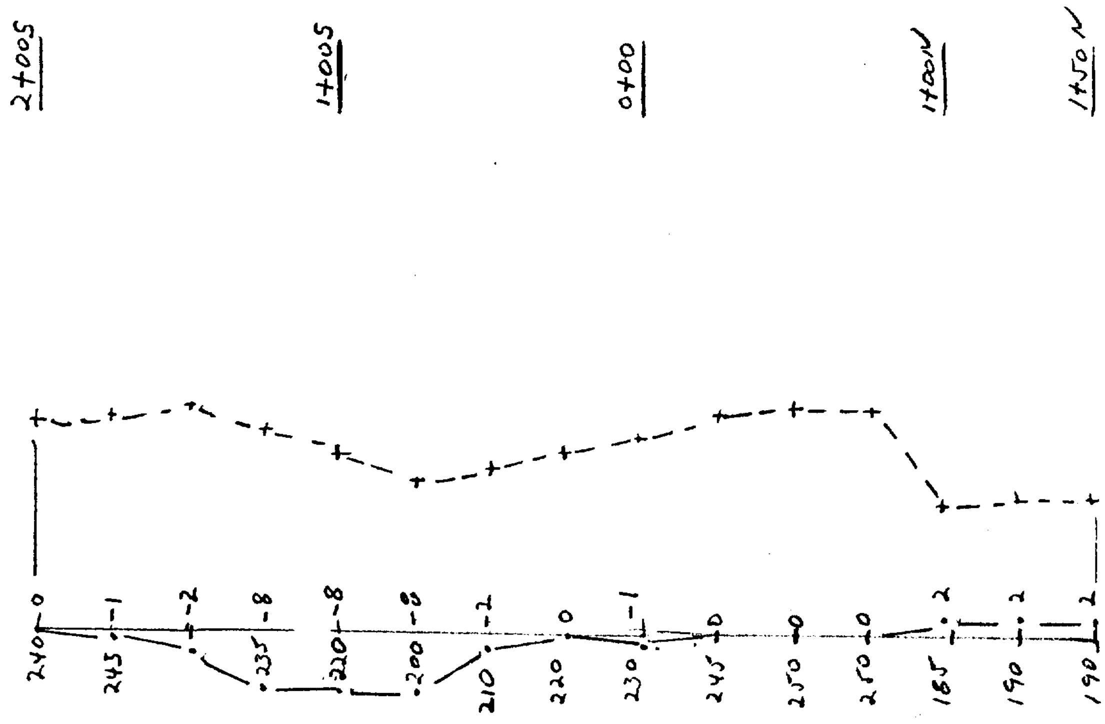


Line 15

. 10 . Dip Angle 1cm = 10°

+ 190 + Field Strength 1cm = 50%

Scale 1cm = 50mts.



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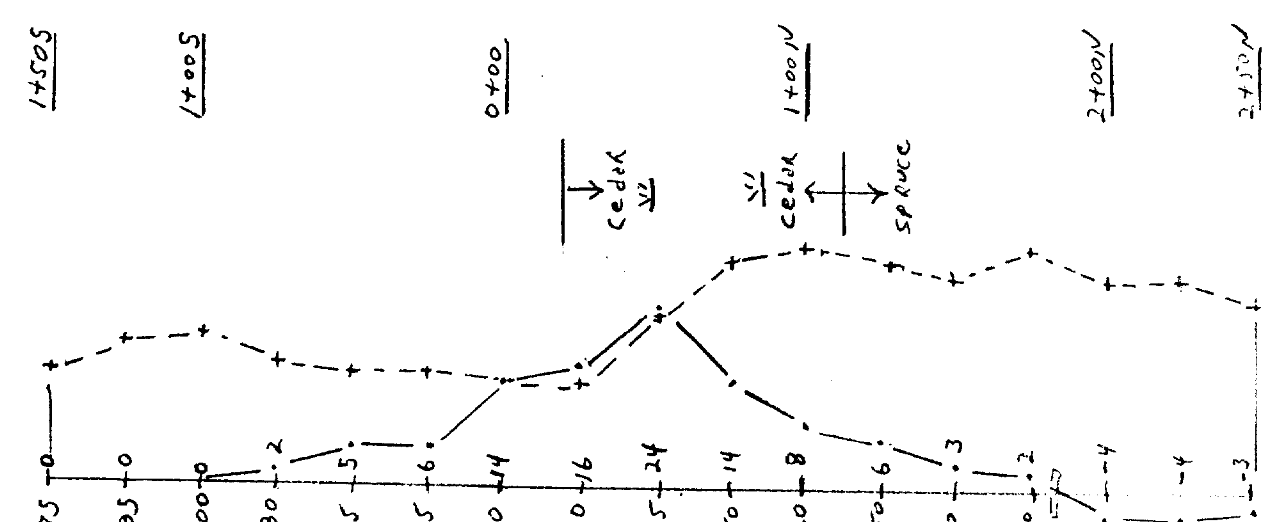
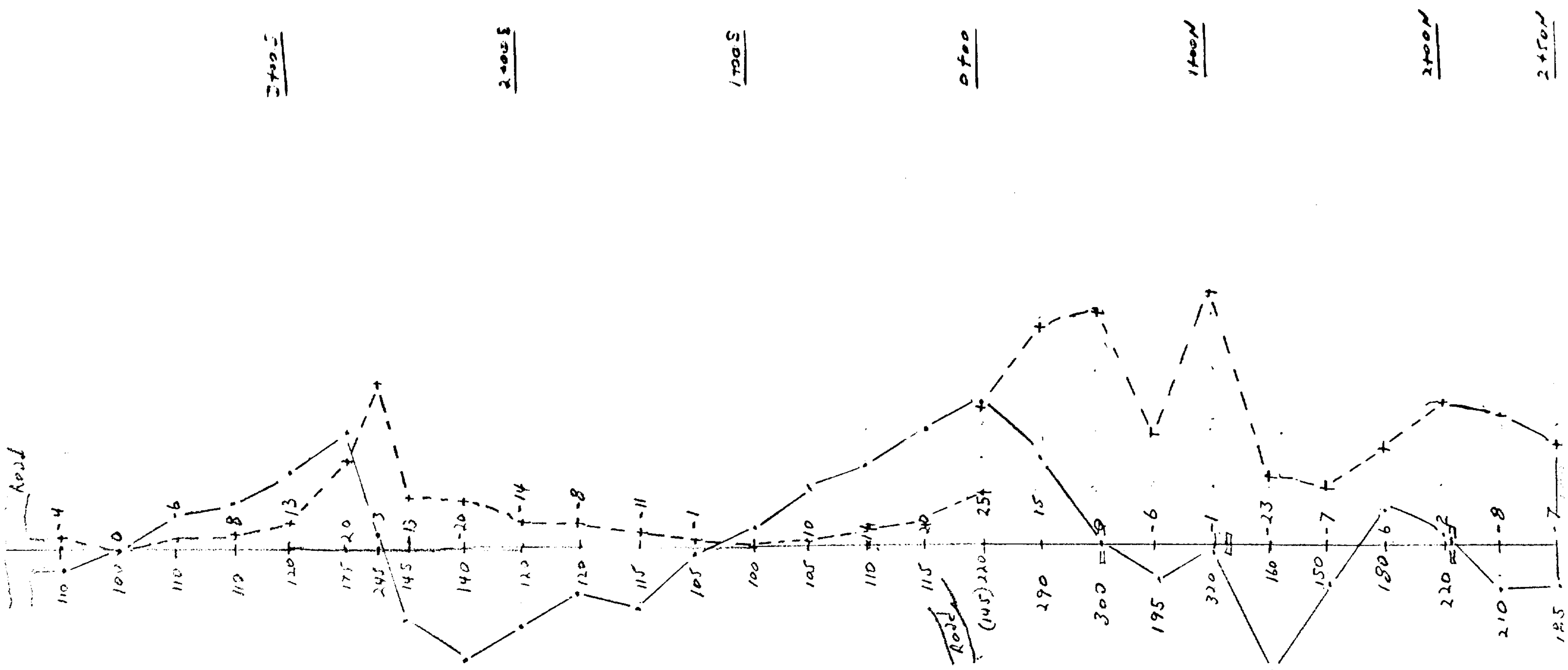


Line 13

.10. Dip angle 1cm. = 10°

+190+ Field Strength 1cm = 50°

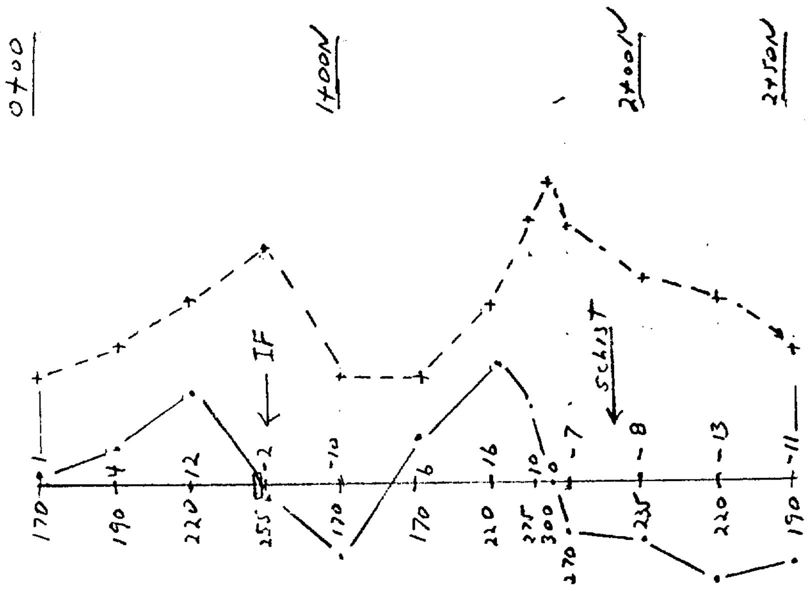
Scale 1cm = 25mts



Line 10

Geochemical Sample - Humus

Sample No		Station	Au P.P.B	
2923		0+37N	< 1	
2924		0+44N	< 1	
2925		0+50N	< 1	
2926		0+56N	2	
2927		0+62N	2	
2928		0+94N	3	
2929		1+00N	9	
2930		1+06N	2	
2931		1+12N	2	
2932		1+19N	2	
2933		2+58S	1	
2934		2+64S	< 1	
2935		2+70S	1	
2936		2+76S	< 1	
2937		2+82S	< 1	
8739	Auger	0+50N	< 2	Till
8740	Auger	0+96N	< 2	Till
8741	Auger	1+00N	2	Till
8742	Auger	1+04N	5	Till

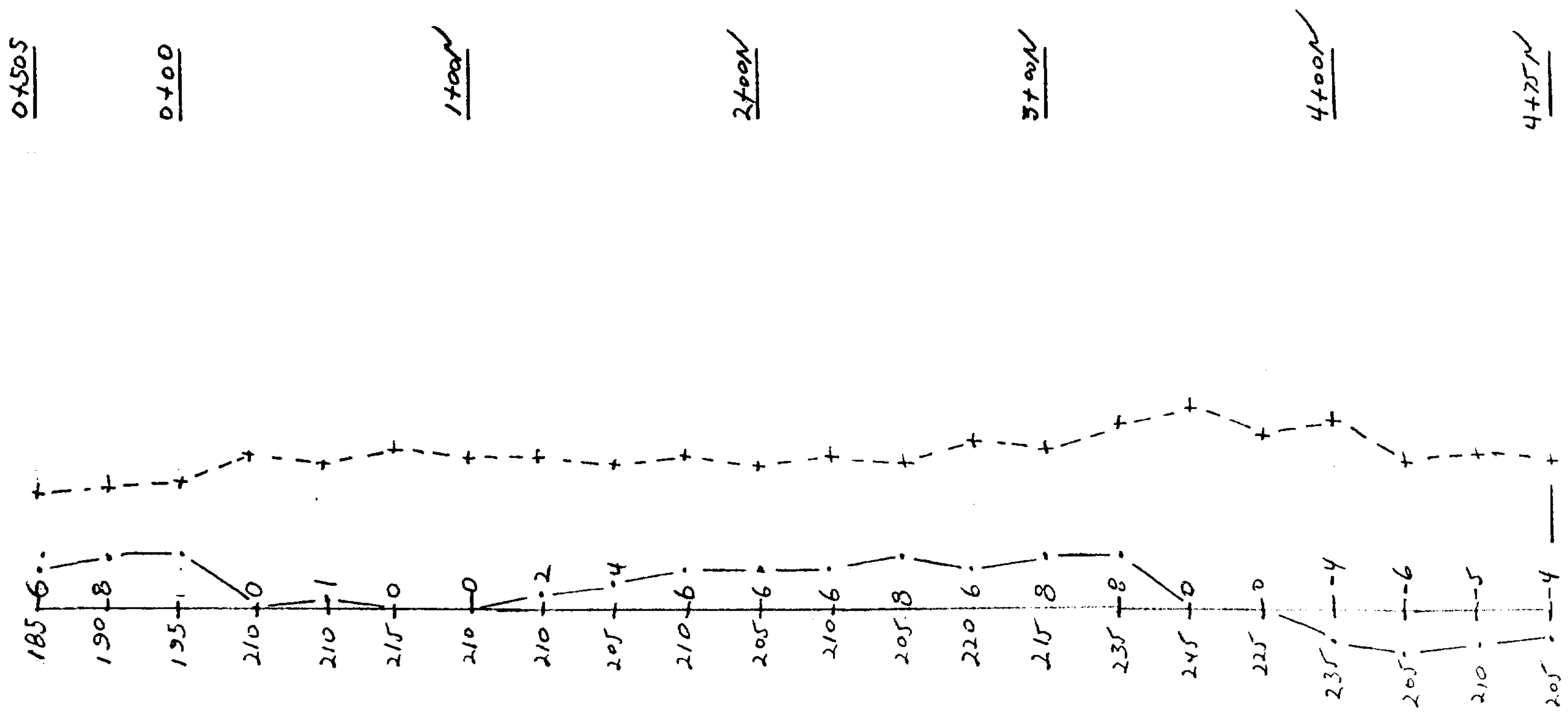


Line 11

.10. Dip Angle 1cm = 10°

+---+ 190 Field Strength 1cm = 50%

Scale 1cm = 25mts.

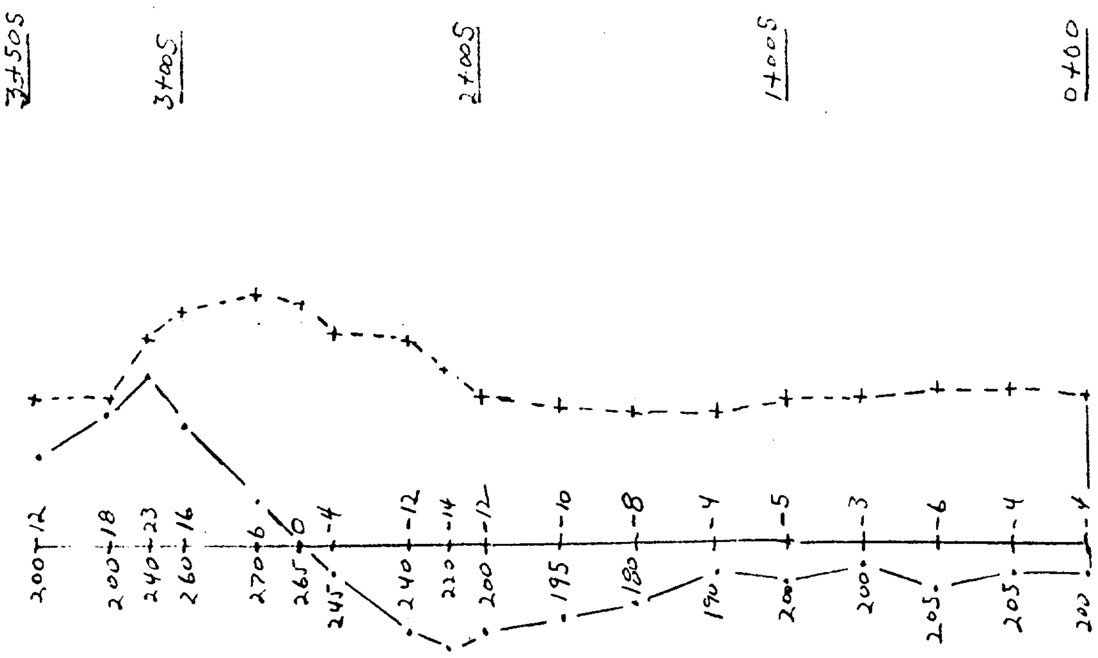


Line 7

.10. Dip Angle 1cm = 10°

+ - - + Field Strength 1cm = 50%

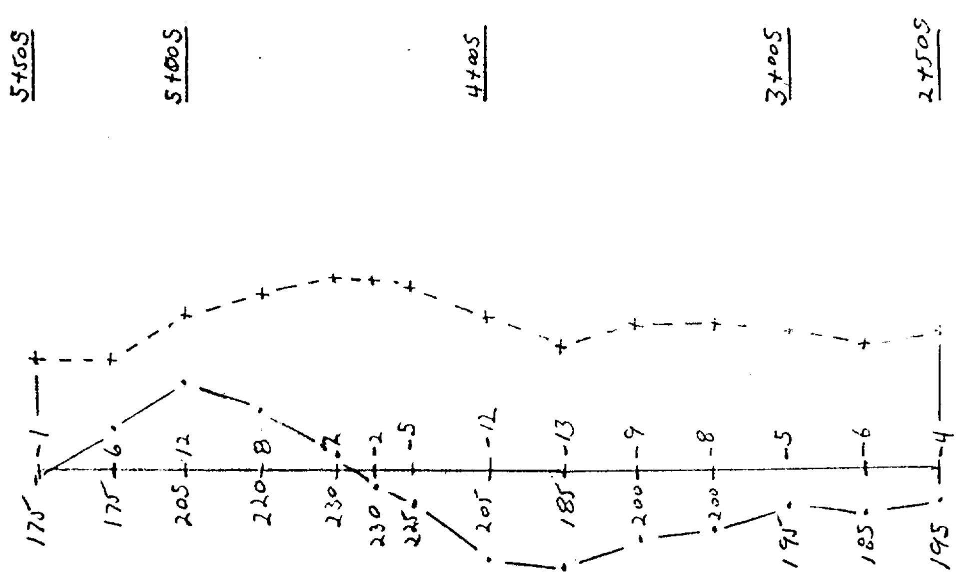
Scale 1cm = 25 mts.



Line 5

Geochemical Sample - Humus

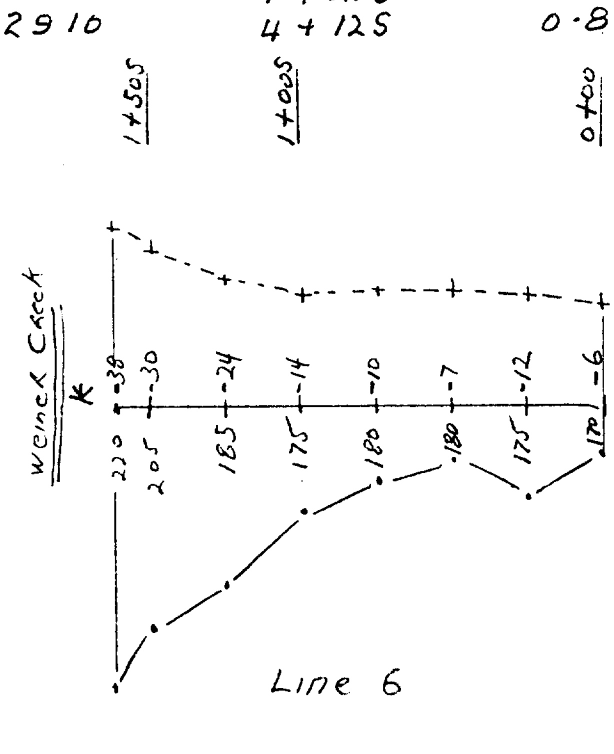
Sample No	Station	Au. P.P.B.
2911	2+25 S	2
2912	2+37S	<1
2913	2+50S	2
2914	2+56S	<1
2915	2+62S	2
2916	2+69S	<1
2917	2+75S	<1
2918	2+87S	<1
2919	3+00S	2



Geochemical Sample - Vegatation

Sample No	Station	Au. PPB
2902	4+44 S	15·4
2903	4+50 S	43·7
2904	4+56S	6·3
2905	4+62S	1·6
2906	4+75S	2·1
2907	4+37 S	1·5
2908	4+31S	0·9
2909	4+25S	1·0
2910	4+12S	0·8

Line 4

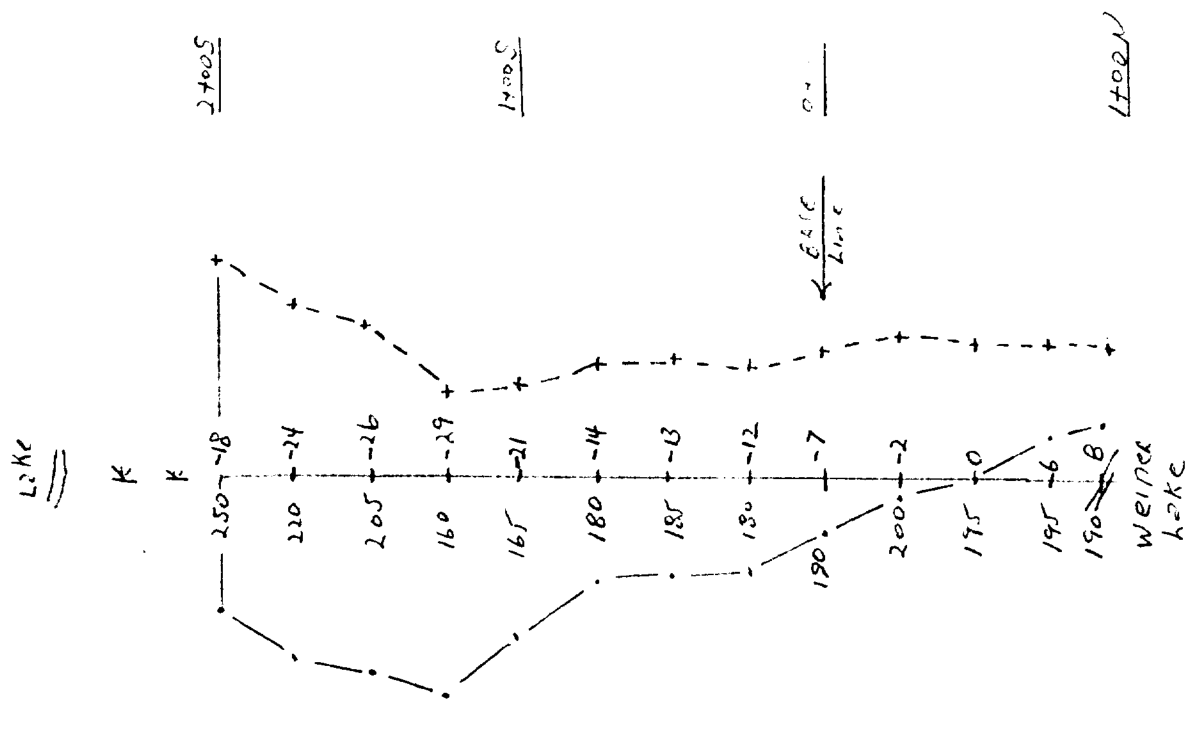


Line 6

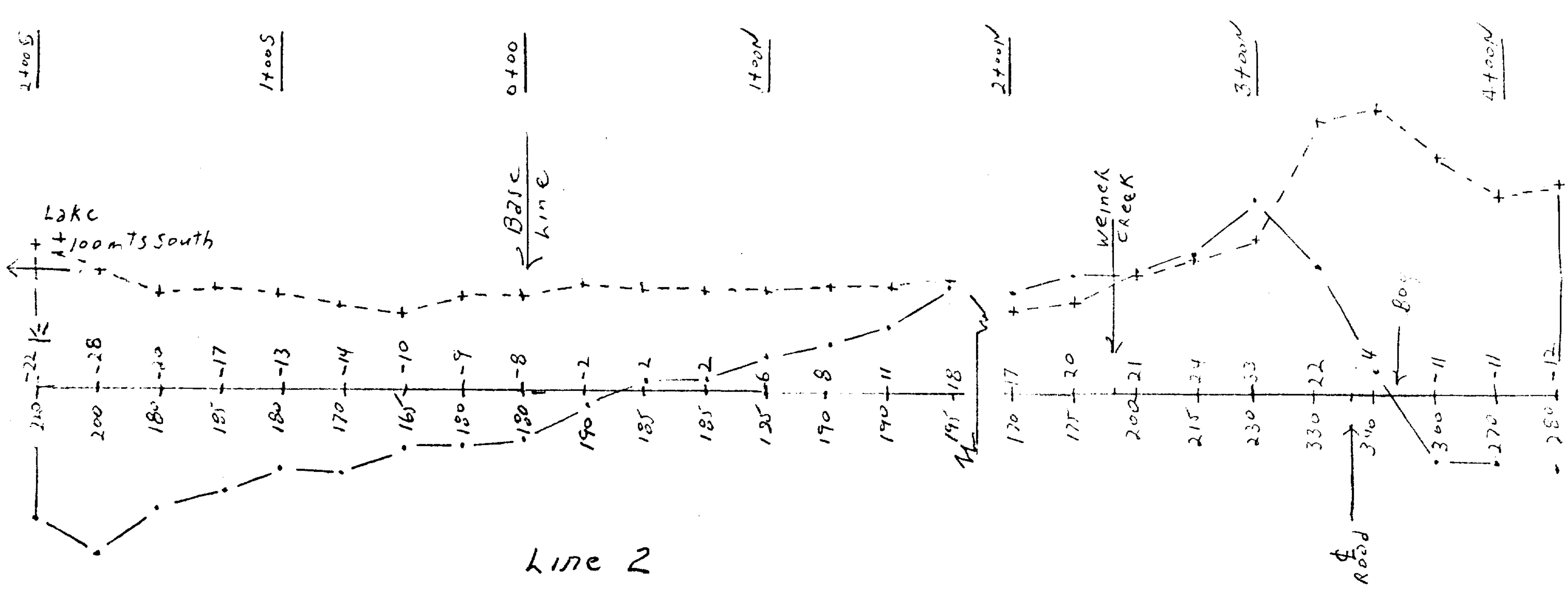
.10. Dip Angle 1cm = 10°

+---+ Field Strength 1cm = 50%

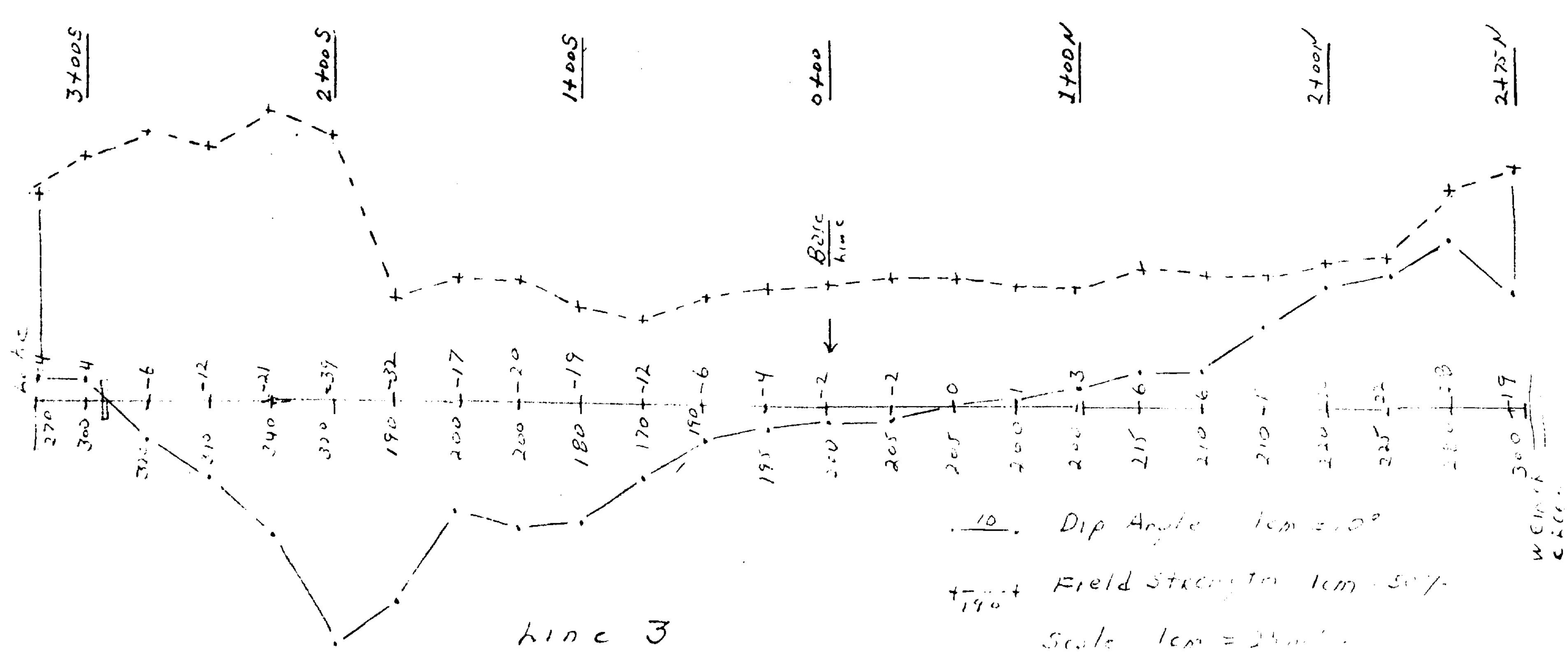
Scale 1cm = 25 mts.



Line 1



Line 2



Line 3

Symbols

V	Volcanics
T	Tuffs
R	Rhyolite
D	Dacite
B	Basalt
Sch	Schist
Gb	Gabbro
Gr	Granite

Sed	Sediments
Cgl	Conglomerate
Sl	Siltstone
Ss	Sandstone
A	Arkose
W	Greywacke
Ls	Limy Greywacke
I F	Lean Iron Formation, may locally be pyritic

• 26150	Sample Location
	Mine Shaft
	Trail, portage or traverse
6	VLF line and conductor
Au.	Gold Showing

ONTARIO PROSPECTORS ASSISTANCE PROGRAM (OPAP)
APPLICATION FOR FUNDING 1992

41O09NE0008 OP92.193 FRATER

020

INSTRUCTIONS: F
form.
Please type or print
Submit completed fo
Incentives Office (Mi
Ministry of Northern Development & Mines MAR 12 1992
4th Floor, 159 Cedar St., Sudbury, Ontario P3E 6A5

INCENTIVES OFFICE

Date of Application MAR 6, 1992

Mr. ☑ Miss ☐ Mrs. ☐ Ms. ☐

Last Name LALONDE First Name(s) EARL J.

Address P.O. BOX 116

City CAPREOL Province ONTARIO Postal Code POM 1HO

Telephone (705) 858-2319 Contact Telephone (705) 858-2319

Ontario Prospectors Licence No. C-37055 Occupation RETIRED GEOLOGIST

Briefly state your prospecting or related experience and training (No. of years and type):
37 YEARS GEOLOGICAL AND GEOPHYSICAL MINERAL EXPLORATION IN CANADA, IRELAND, U.S.A. AND OMAN. 2 YEARS + AS A MINE GEOLOGIST IN THE ELLIOT LAKE AND SUDBURY AREA.

Industry References (that can comment on your prospecting ability):

Name	Telephone	Occupation
W. G. WAHL	(613)-477-2624	RETIRED GEOLOGIST
ISAAC BURNS	(705)-566-2023	PROSPECTOR

Ministry reference (if known, preferably Resident Geologist staff): WILFRED MEYER, PETER GIBLIN

Past performance (List of properties optioned, locations, optionee, year)
OPTIONED NO PROPERTIES

Previous OPAP application(s) Yes ☑ No ☐ File no(s). OP 91-428

Describe your prospecting project - attach separate sheets (See guideline for details)
STRIPPING, PROSPECTING, GEOPHYSICS, MAPPING. SEE ATTACHED SHEET.

Start date of project LATE APRIL Proposed number of working days by applicant 70 DAYS

List other co-owners of the property that are applying for assistance for this project
PROJECT PARTNERS - FRED Q. BARNES (OP91-427), BURLINGTON, ONTARIO AND NORM. FIRTH (OP91-275) BURLINGTON, ONTARIO

Proposed project area(s) (Twp. or claim map name, latitude and longitude, and Resident Geologist's area)
OPEEPEESWAY LAKE AREA (OSWAY, MALLARD, HUFFMAN & ERIC TWPS., SUDBURY DISTRICT, PORCUPINE MINING DIVISION, TIMMINS) AND POSSIBLY BENTON & ESTHER TWPS. SEE ATTACHED

APPLICATION FOR FUNDING

PROPOSED BUDGET

1. No. of working days **by applicant** including report preparation x $100/day ....70.......	$	7,000.00
2. Analyses/Assay Costs	$	700.00
3. Equipment Rentals/Supplies	$	925.00
4. Contract Services (State Type) ....GEOPHYSICS, MECHANICAL	$	2,000.00
5. Travel (state method: road, air, etc.). 4000 km x 0.30/km	$	1,200.00
6. Food and Accommodation	$	850.00
7. Other Expenses (Specify)..TELEPHONE, DRAFTING SUPPLIES, PRINTING	$	75.00
TOTAL EXPENDITURES	$	12,750.00
Grant Requested ($10,000 maximum)	$	10,000.00

The Ministry of Northern Development and Mines may verify all statements related to and made herein this application.

1. I am the person named in the Application for Grant under the Ontario Prospectors Assistance Program.
2. I am ordinarily a resident of Canada.
3. I have complied with all the requirements of the said program.
4. I understand that it is an offence under the Ontario Mineral Exploration Act, 1989, to make a false or misleading statement and that all statements and all other information submitted in support of the said application are true and correct.
5. I will not be employed by the Ministry while in receipt of an OPAP grant.
6. I am not the spouse, child, sibling or parent of a Ministry employee.
7. I am aware that any other Provincial or Federal Government financial assistance received for the said application will be deducted from the amount of incurred "Total Eligible Expenses".
8. I understand that an incomplete application will be rejected and that no revisions will be permitted following receipt.

It is an Offence under subsection 8(1)(A) of the Ontario Mineral Exploration Act, 1989 to knowingly furnish false or misleading information.

Signature of Applicant E.J. Lalonde Date March 6, 1992

Name (print) EARL J. LALONDE

Office Use Only:

References checked ______

Ministry reference verified ______

Personal information collected on this form is obtained under the authority of the Ontario Mineral Exploration Act, 1989, sections 2, 3 and 4 and the Ontario Prospectors Assistance Program Regulation, subsections 3(2) to 3(10) inclusive and section 5. It will be used for the purpose of determining the eligibility of the applicant to have a program designated for financial assistance. It may be disclosed for this purpose and I consent to its disclosure for such a purpose. Questions about this collection should be directed to Supervisor, Incentives Office, Mineral Development and Rehabilitation Branch, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, Toll free 1-800-465-3880.

The approximate areas in which work is planned will be checked in the Porcupine Mining Division's Mining Recorder's office in Timmins prior to entering the Opeepeesway Lake Area.

Opeepeesway Lake Area

1.) Location

1.) Oswway Township (G3243), Mallard Township (G1171), Huffman Township (G3232), Eric Township (M 789), and possibly Benton Township (G 3233) and Esther Township (G 1120), Porcupine Mining Division.

2) N.T.S. - 41O/NE

3.) Latitude and Longitude - 47°40'N, 82°13'W

4) Mining Recorder's Office - 60 Wilson Ave., Timmins, Ontario, P4N 2S7

5.) Resident Geologist's Office - 60 Wilson Ave., Timmins, Ontario, P4N 2S7

2.) Prospecting Targets

Gold associated with quartz feldspar porphyry intrusives, dykes and bosses into basic and intermediate volcanics and fragmentals, and gold in shear zones.

3.) Reason for O.P.A.P. Project

Follow-up to extensive work in the early 1960's in Osway and Huffman Townships, and examinations of showings in Potier, Yeo and Chester Townships in 1989.

Follow-up to favourable prospecting results in Huffman Township in late 1991.

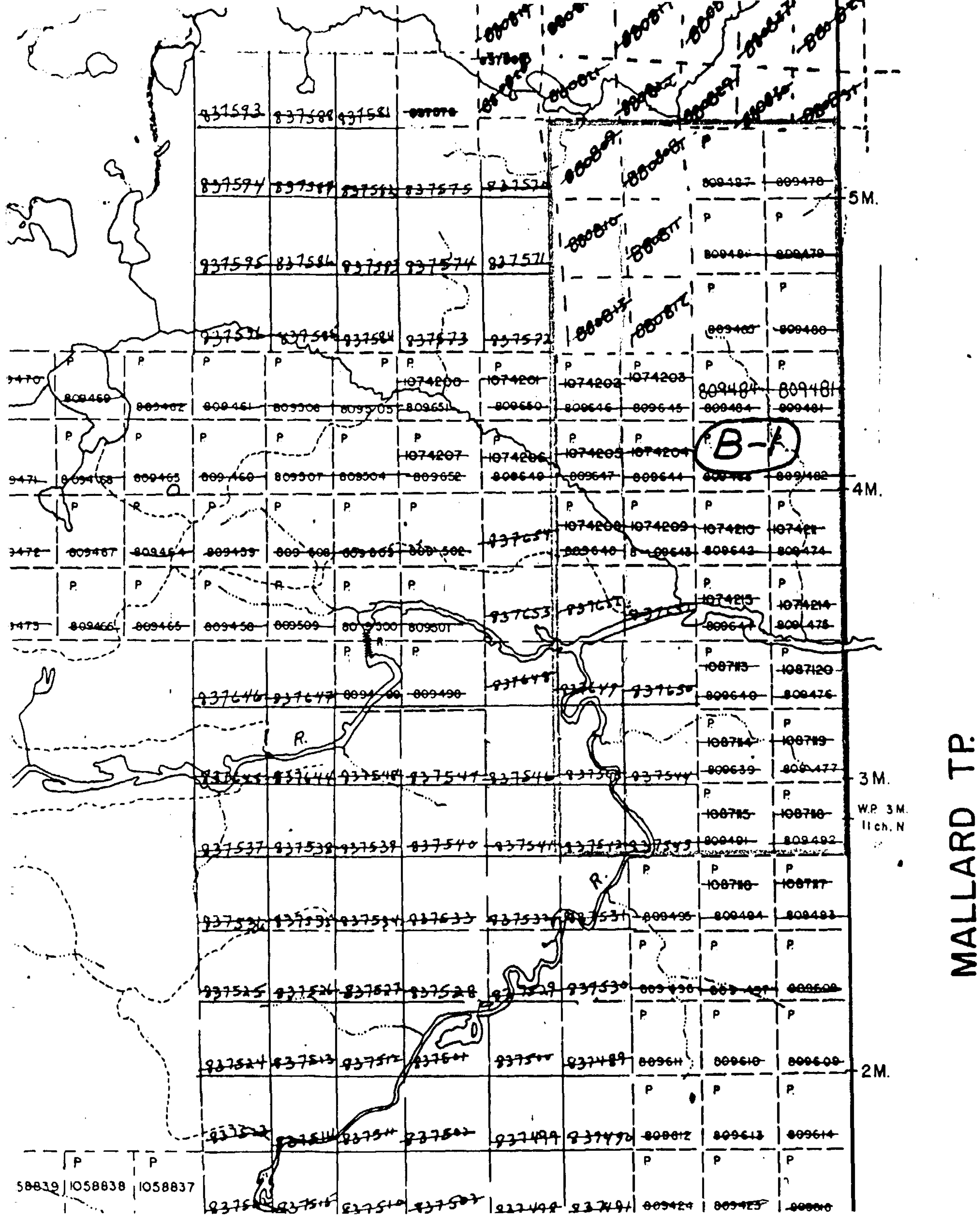
4.) Proposed Work

1.) Prospecting, sampling, geological mapping and stripping of favourable areas.

2) Geophysics (magnetometer and VLF surveys), detailed geological mapping, sampling and stripping (hand and mechanical) of a favourable area located late in 1991 by prospecting in Huffman Township.

3.) Work is to be completed within the approximate areas indicated on the attached township plans as follows: E-11, H-1 M-1, O-1, and possibly M-2, B-1 and E-1.

Favourable ground will be staked.



MINING CLAIMS ETC.
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON-PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LAN

TYPE OF DOCUMENT — SYI

PATENT, SURFACE & MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LEASE, SURFACE & MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LICENCE OF OCCUPATION
ORDER-IN-COUNCIL
RESERVATION
CANCELLED
SAND & GRAVEL

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO 1913, VESTED IN ORIGINAL PATENTEE BY THE LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SU

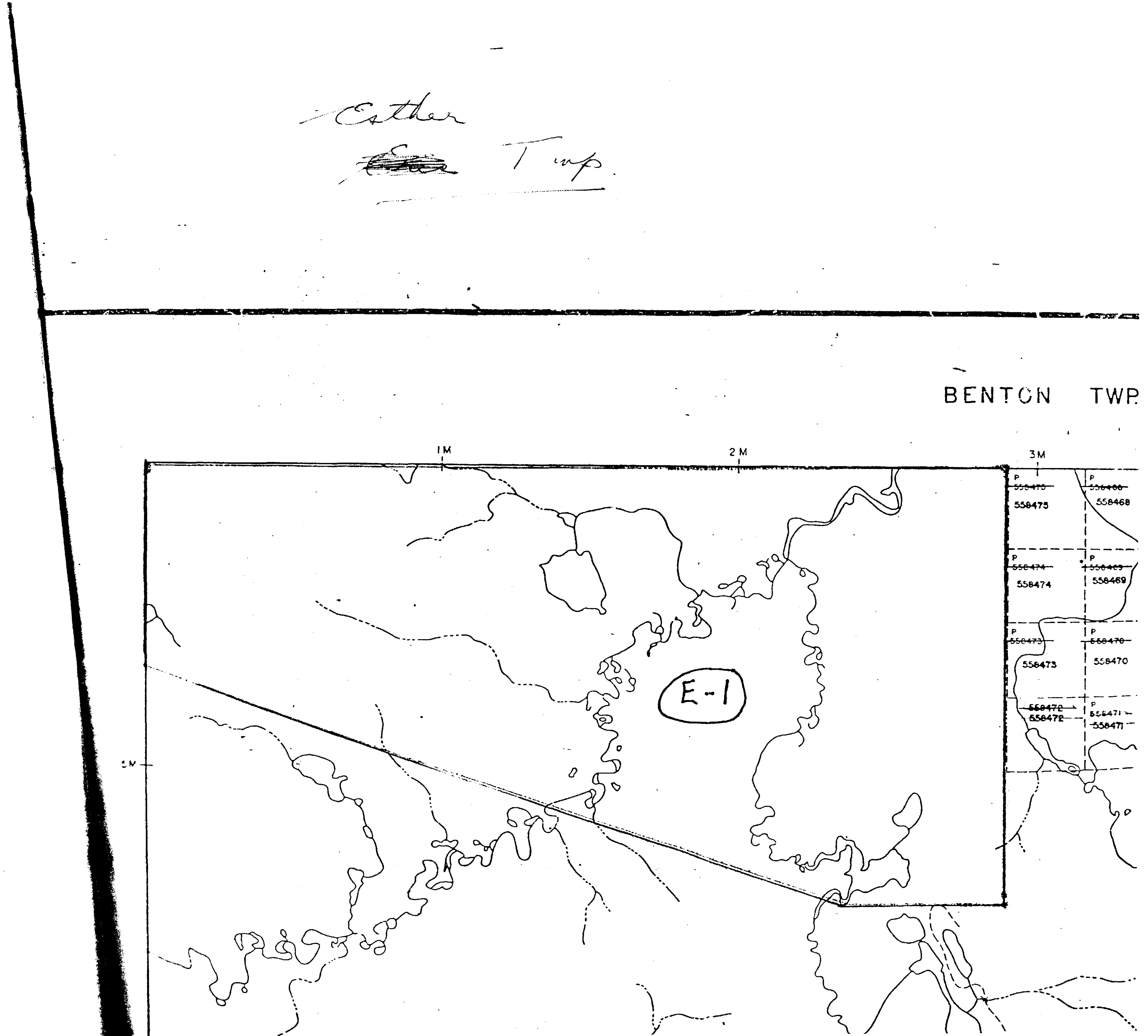
SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000

0 200 1000 (1 KM) 2000 (2 KM)
METRES

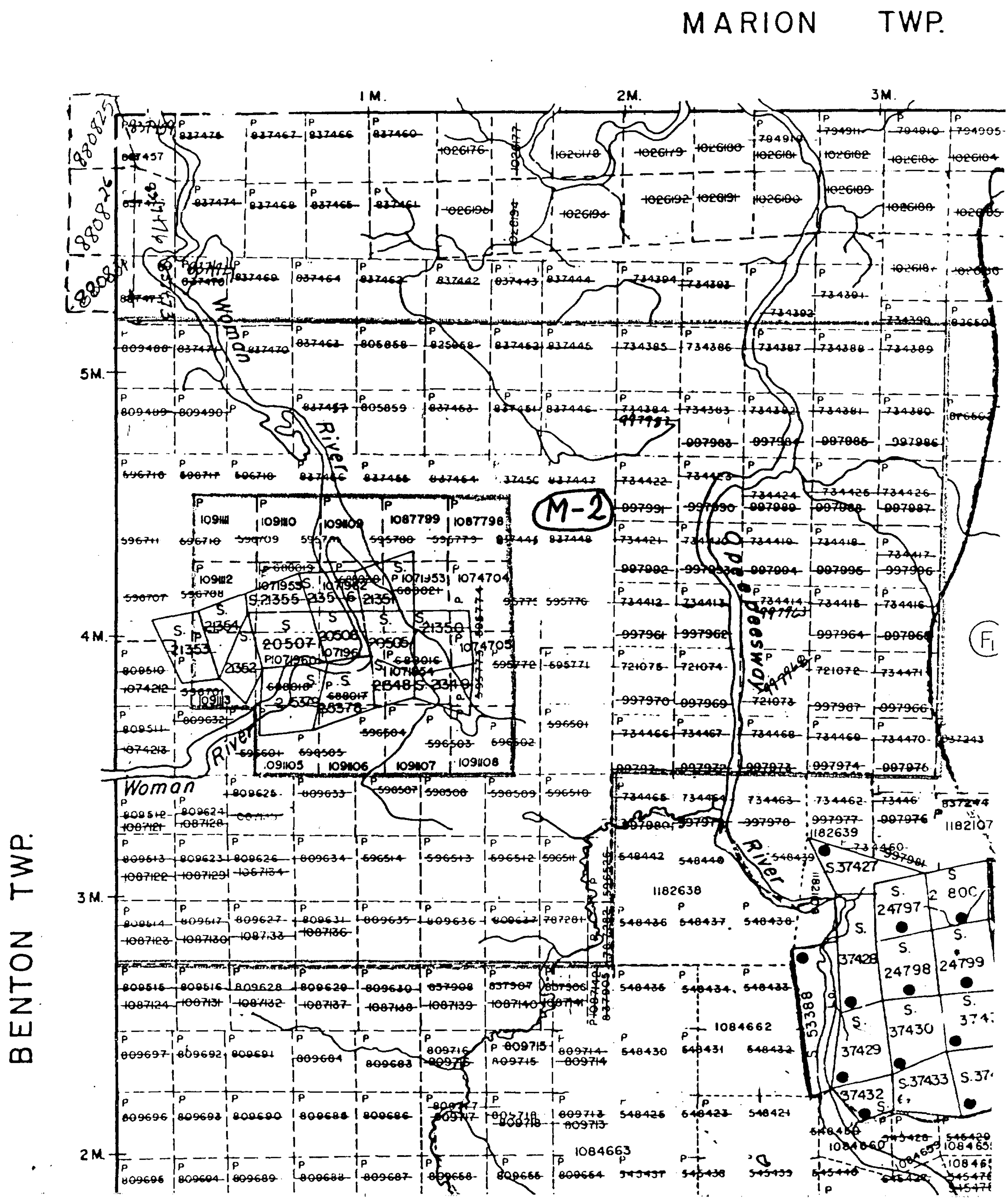
Benton Twp.

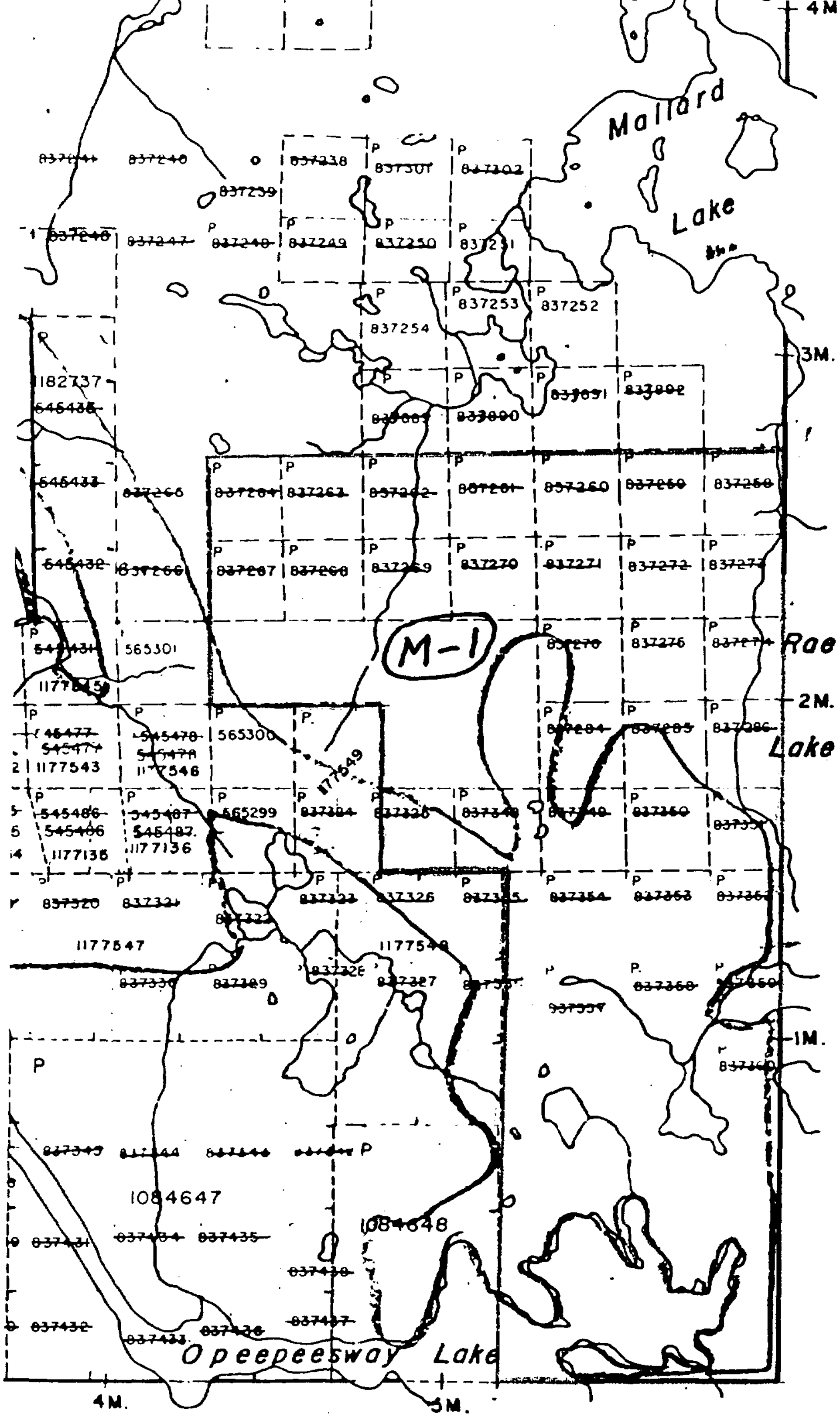
TOWNSHIP



Esther Twp.
BENTON TWP.
1M
2M
3M
E-1
P
558475
P
558468
P
558474
P
558469
P
558473
P
558470
558472
558472
P
558471
558471

Mallard Twp.


MARION TWP.
BENTON TWP.
1 M.
2M.
3M.
5M.
4M.
3M.
2M.
M-2
Woman River
River
Woman
River



Mallard Twp

SCALE: 1 INCH = 40 CHAIN

FEET 0 1000 2000 400

METRES 0 200 1000 (1 KM)

ACRES 40

TOWNSHIP OF

MALLA

DISTRICT OF

SUDBUR

MINING DIVISION

PORCUPIN

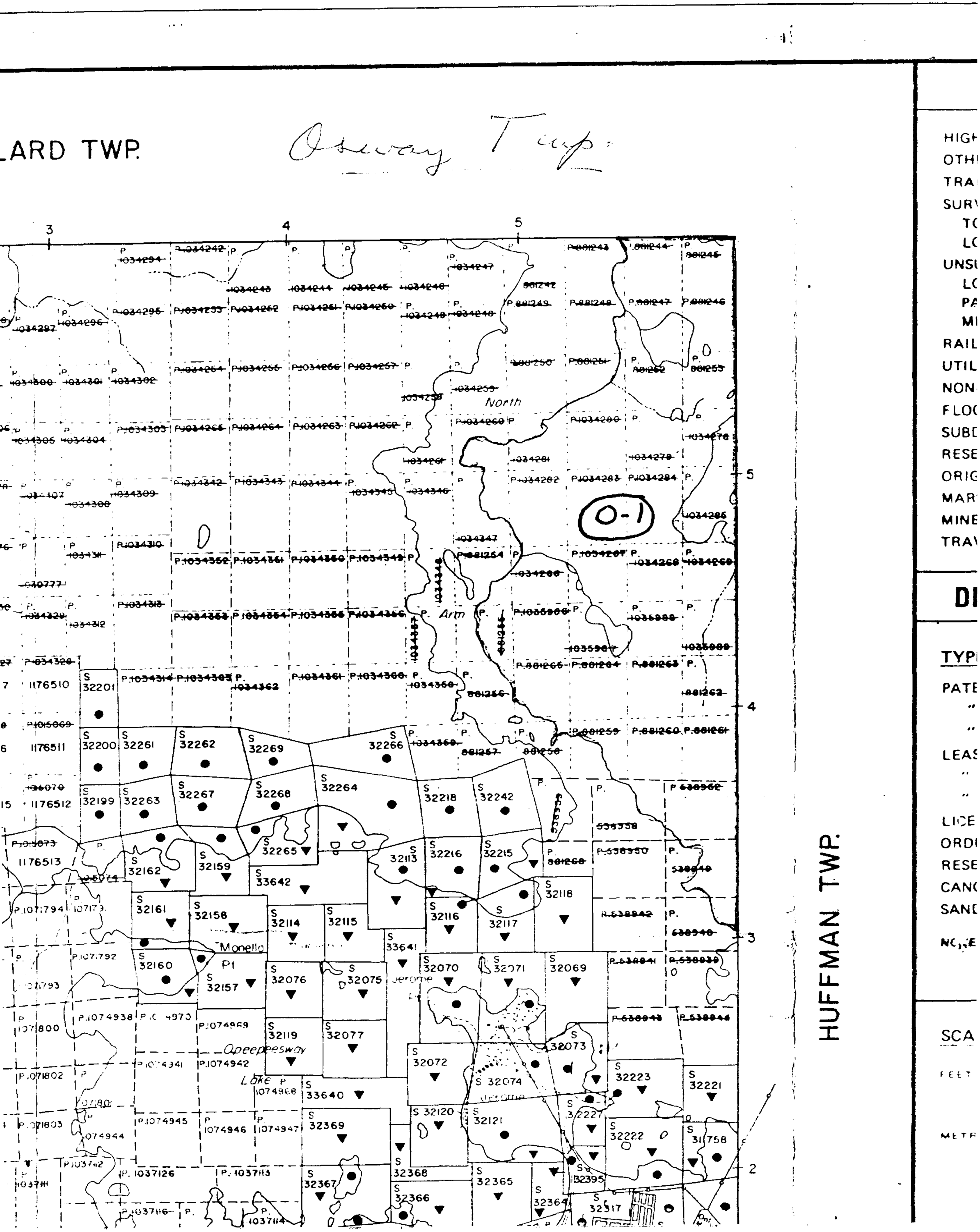
Received Sept

Ministry of Natural Resources

Ontario

Date
JULY 1986
National Topographic Series

CK. Sept 16/86



LARD TWP.
Osway Twp.
HUFFMAN TWP.
North
Arm
O-1
Monello
Pt
Opeepeesway
Lake
Jerome
HIGH
OTH
TRA
SUR
UNS
RAIL
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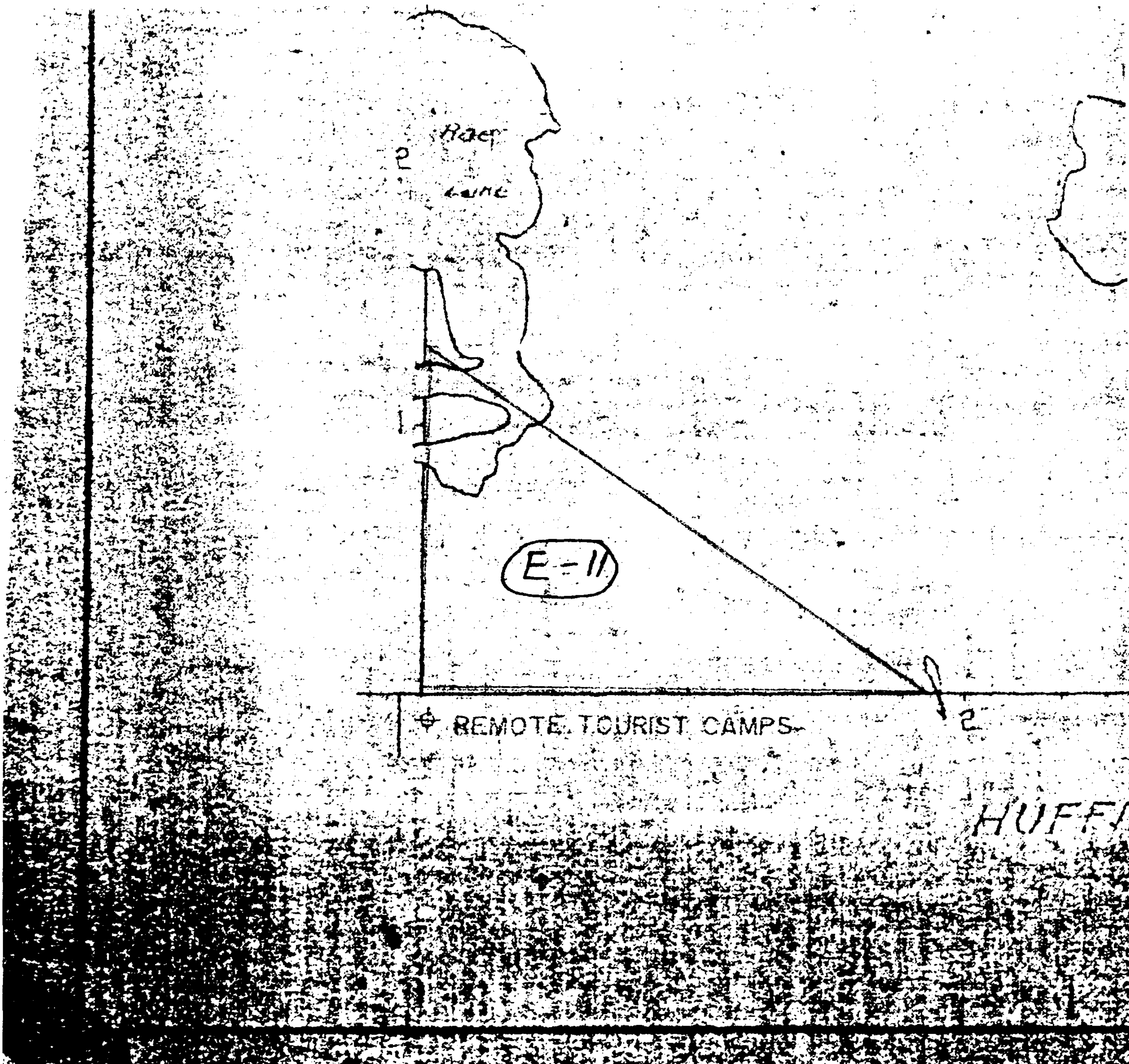


Erie Twp.

Huffman Twp.

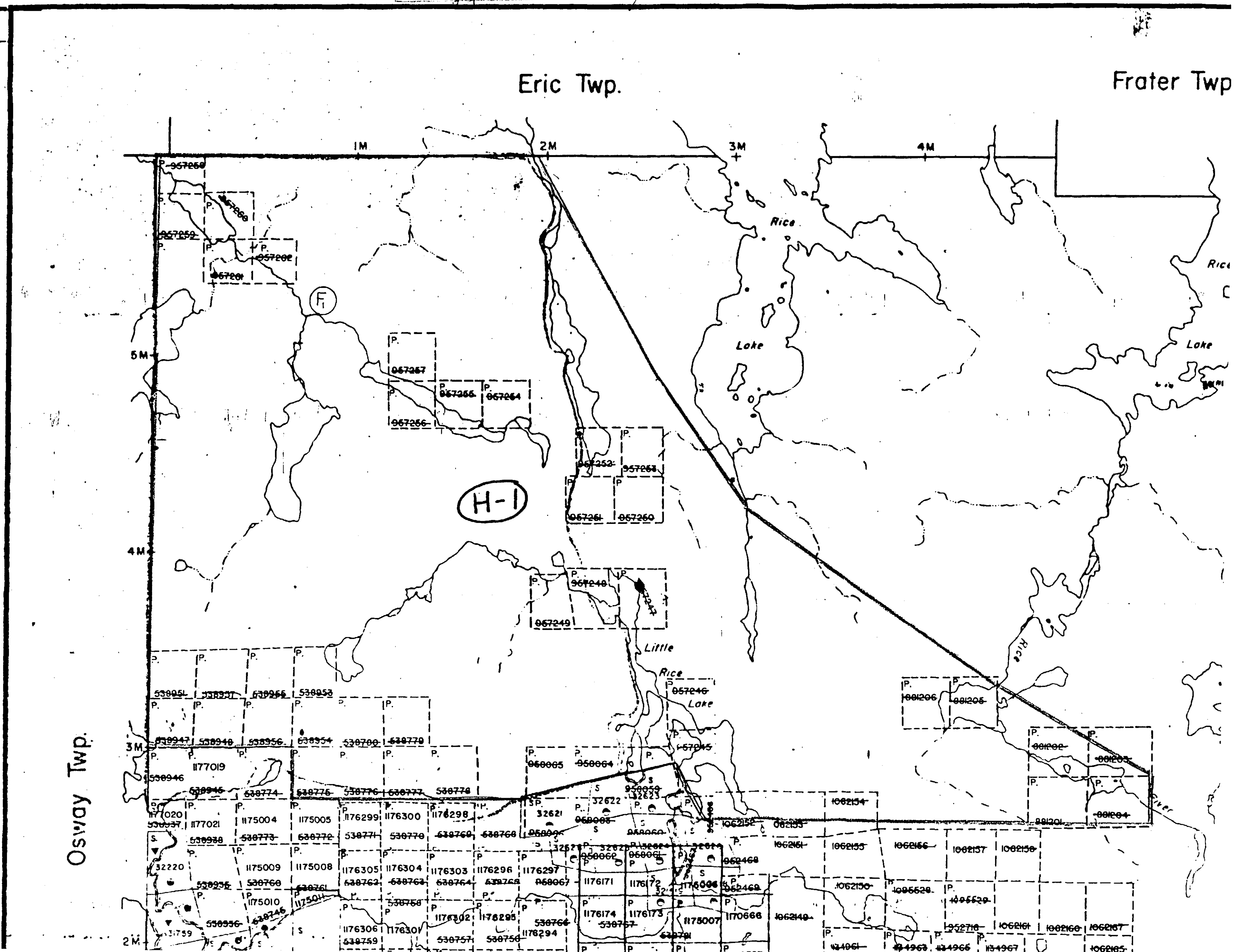
REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

(F)
THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN 1991.
FURTHER INFORMATION AVAILABLE ON FILE.



ONTARIO PROSPECTORS ASSISTANCE PROGRAM (OPAP)
APPLICATION FOR FUNDING 1992

INSTRUCTIONS: Please read the guidebook before completing form.

Please type or print
Submit completed f
Incentives Office (M
Ministry of Norther
4th Floor, 159 Cedar St., Sudbury, Ontario

41O09NE0008 OP92.193 FRATER

030

INCENTIVES OFFICE

Date of Application MAR. 9, 1992

Last Name FIRTH First Name(s) NORMAN Miss ☐ Mrs. ☐ Ms. ☐

Address 274 JUNIPER Ave

City Burlington Province Ontario Postal Code L7L 2T3

Telephone (416) 637-7732 Contact Telephone ( ) ______

Ontario Prospectors Licence No. A28158 Occupation Professional Engineer

Briefly state your prospecting or related experience and training (No. of years and type):
35 years world wide exploration geologist with consulting firms C.C. Hutton & Associates & PROSPECTION LTD.

Industry References (that can comment on your prospecting ability):

Name	Telephone	Occupation
G.W. GOETTLER		PROFESSIONAL Engineer
R Demenchuk	(416) 361-5067	Accountant

Ministry reference (if known, preferably Resident Geologist staff): P MORRA - SSM Claims Inspector

Past performance (List of properties optioned, locations, optionee, year)
PICKLE LAKE CLAIM GROUP - Pickle Lake Ont. 1984 thru 1981

Previous OPAP application(s) Yes ☒ No ☐ File no(s). OP91-275

Describe your prospecting project - attach separate sheets (See guideline for details)
STRIPPING, PROSPECTING, GEOPHYSICS, MAPPING. SEE ATTACHED SHEET

Start date of project LATE APRIL Proposed number of working days by applicant 60

List other co-owners of the property that are applying for assistance for this project
PROJECT PARTNERS - FRED Q BARNES (OP 91-427), BURLINGTON, ONT. AND EARL J. LALONDE, CAPREOL, ONT (OP 91-428).

Proposed project area(s) (Twp. or claim map name, latitude and longitude, and Resident Geologist's area)
OPEEPEESWAY LAKE AREA (OSWAY, MALLARD, HUFFMAN & ERIC TWPS., SUDBURY DISTRICT, PORCUPINE MINING DIVISION, TIMMINS) AND POSSIBLY BENTON & ESTHER TWPS. SEE ATTACHED

APPLICATION FOR FUNDING

PROPOSED BUDGET

1. No. of working days **by applicant** including report preparation x $100/day ....60........	$ 6,000.00
2. Analyses/Assay Costs	$ 500.00
3. Equipment Rentals/Supplies	$ 925.00
4. Contract Services (State Type) .GEOPHYSICS, MECHANICAL..	$ 2,500.00
5. Travel (state method: road, air, etc.).6,000 Km...@ $0.30/Km.....	$ 1,800.00
6. Food and Accommodation	$ 650.00
7. Other Expenses (Specify) ..TELEPHONE & PRINTING....	$ 75.00
TOTAL EXPENDITURES	$ 12,450.00
Grant Requested ($10,000 maximum)	$ 10,000.00

The Ministry of Northern Development and Mines may verify all statements related to and made herein this application.

1. I am the person named in the Application for Grant under the Ontario Prospectors Assistance Program.
2. I am ordinarily a resident of Canada.
3. I have complied with all the requirements of the said program.
4. I understand that it is an offence under the Ontario Mineral Exploration Act, 1989, to make a false or misleading statement and that all statements and all other information submitted in support of the said application are true and correct.
5. I will not be employed by the Ministry while in receipt of an OPAP grant.
6. I am not the spouse, child, sibling or parent of a Ministry employee.
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8. I understand that an incomplete application will be rejected and that no revisions will be permitted following receipt.

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Signature of Applicant N. Firth Date 9 March 1992

Name (print) NORMAN FIRTH

Office Use Only:

References checked ______

Ministry reference verified ______

Personal information collected on this form is obtained under the authority of the Ontario Mineral Exploration Act, 1989, sections 2, 3 and 4 and the Ontario Prospectors Assistance Program Regulation, subsections 3(2) to 3(10) inclusive and section 5. It will be used for the purpose of determining the eligibility of the applicant to have a program designated for financial assistance. It may be disclosed for this purpose and I consent to its disclosure for such a purpose. Questions about this collection should be directed to Supervisor, Incentives Office, Mineral Development and Rehabilitation Branch, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, Toll free 1-800-465-3880.

"The [illegible] to work
on which it is planned
will be detailed in the
Porcupine Mining Division's
Mining Recorder's office in
Timmins prior to entering
the Opeepeesway Lake Area.

Opeepeesway Lake Area

1.) Location

1.) Oeway Township (G3243), Mallard Township (G1171), Huffman Township (G3232), Eric Township (M 789), and possibly Benton Township (G 3233) and Arthur Township (G 1120), Porcupine Mining Division.

2) N.T.S. - 410/NE

3.) Latitude and Longitude - 47°40'N, 82°13'W

4) Mining Recorder's Office - 60 Wilson Ave., Timmins, Ontario, P4N 2S7

5.) Resident Geologist's Office - 60 Wilson Ave., Timmins, Ontario, P4N 2S7

2.) Prospecting Targets

Gold associated with quartz feldspar porphyry intrusives, dykes and bosses into basic and intermediate volcanics and fragmentals, and gold in shear zones.

3.) Reason for O.P.A.P Project

Follow-up to extensive work in the early 1960's in Oeway and Huffman Townships, and examinations of showings in Potter, Yeo and Chester Townships in 1989.

Follow-up to favourable prospecting results in Huffman Township in late 1991.

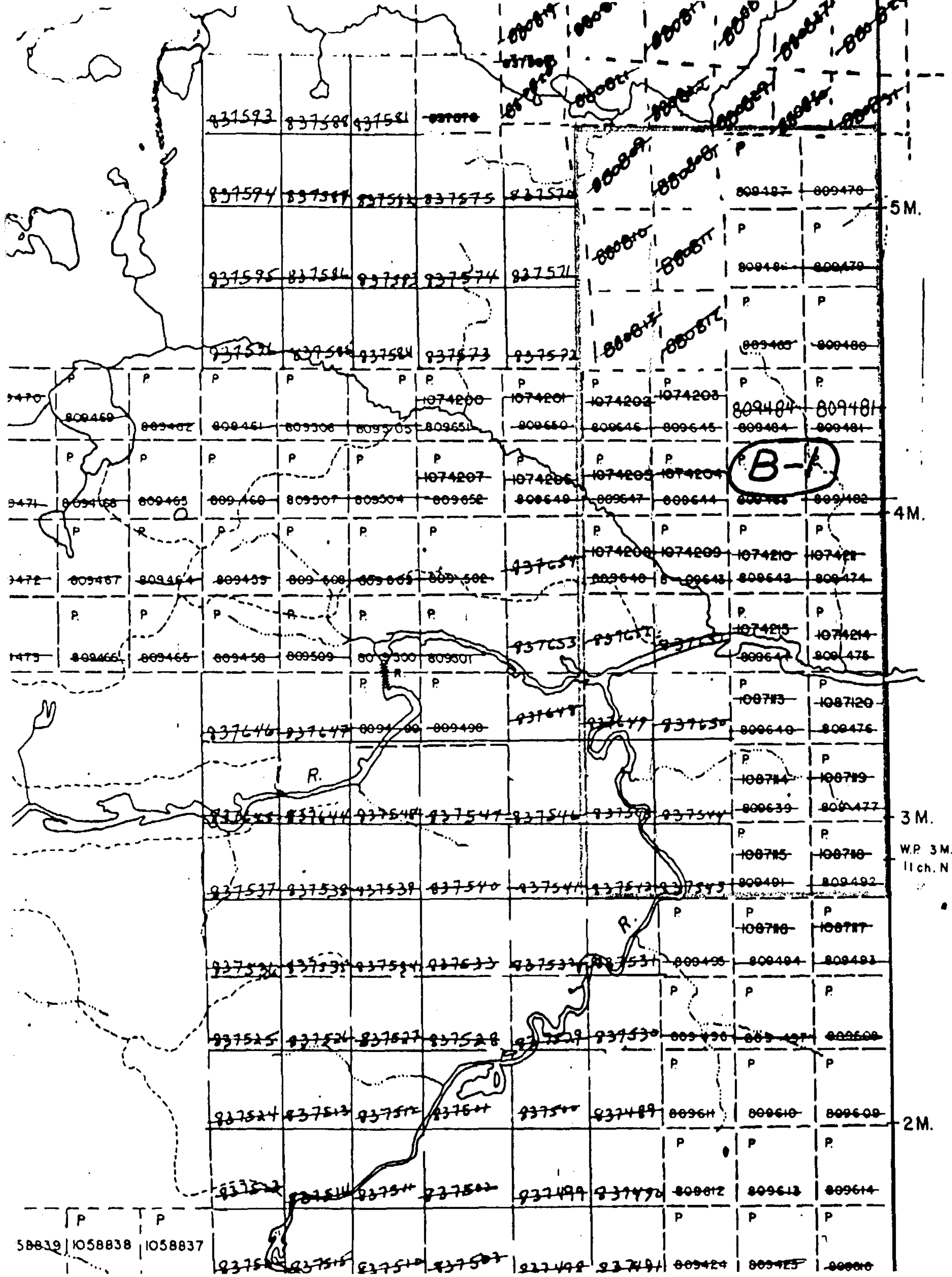
4.) Proposed Work

1.) Prospecting, sampling, geological mapping and stripping of favourable areas.

2.) Geophysics (magnetometer and VLF surveys), detailed geological mapping, sampling and stripping (hand and mechanical) of a favourable area located late in 1991 by prospecting in Huffman Township.

3.) Work is to be completed within the approximate areas indicated on the attached township plans as follows: E-11, H-1, M-1, O-1, and possibly M-2, B-1 and E-1.

Favourable ground will be staked.



MALLARD TP.

MINING CLAIMS ETC.
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON-PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LAN

TYPE OF DOCUMENT SYI

PATENT, SURFACE & MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LEASE, SURFACE & MINING RIGHTS
" , SURFACE RIGHTS ONLY
" , MINING RIGHTS ONLY
LICENCE OF OCCUPATION
ORDER-IN-COUNCIL
RESERVATION
CANCELLED
SAND & GRAVEL

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO 1913, VESTED IN ORIGINAL PATENTEE BY THE LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUE

SCALE: 1 INCH = 40 CHAINS

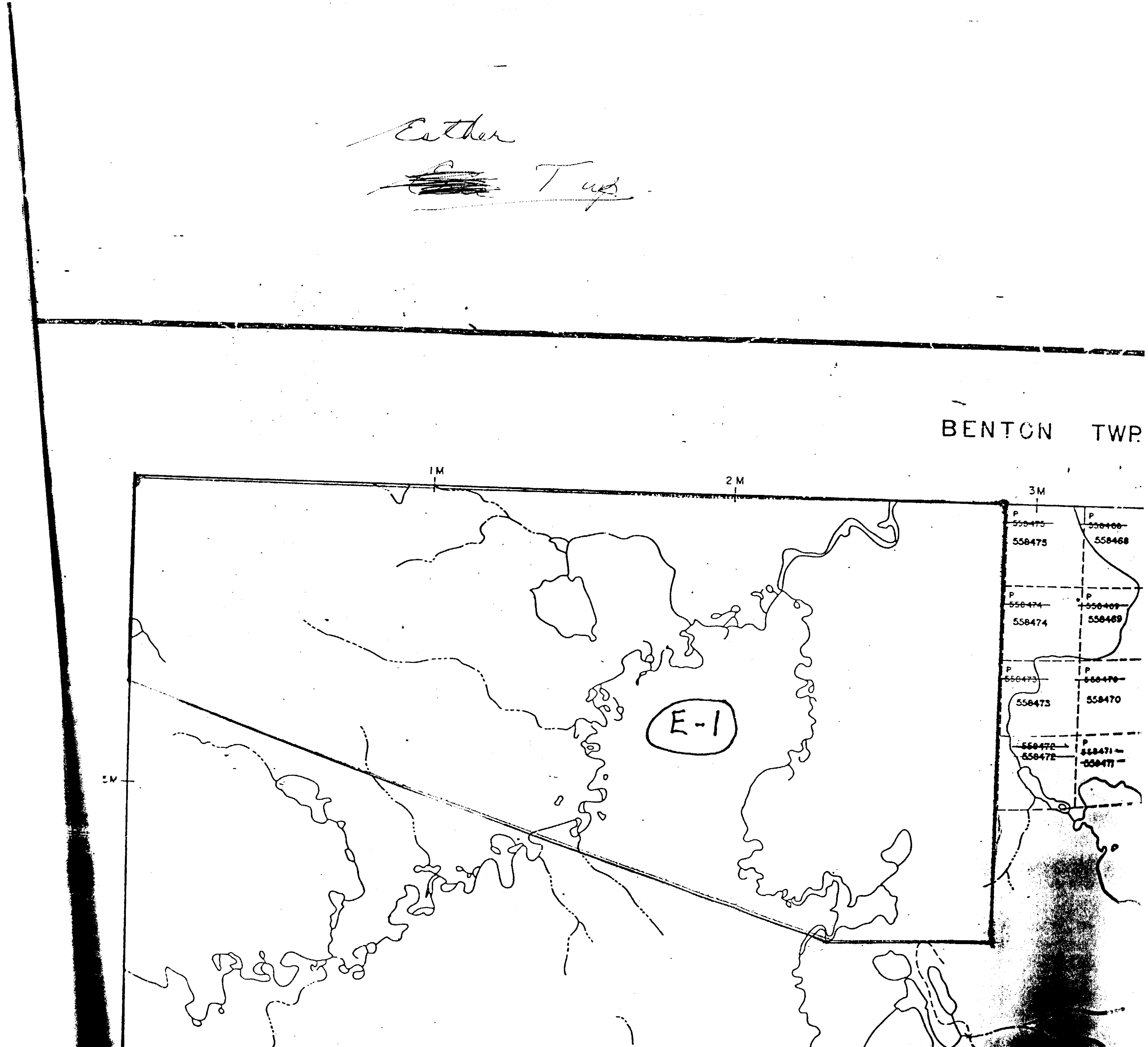
FEET 0 1000 2000 4000 6000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

Benton Twp.

TOWNSHIP

PINE MINING DIVISION


Esther
Twp.
BENTON TWP.
1M
2M
3M
5M
E-1
P
558475
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558468
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558474
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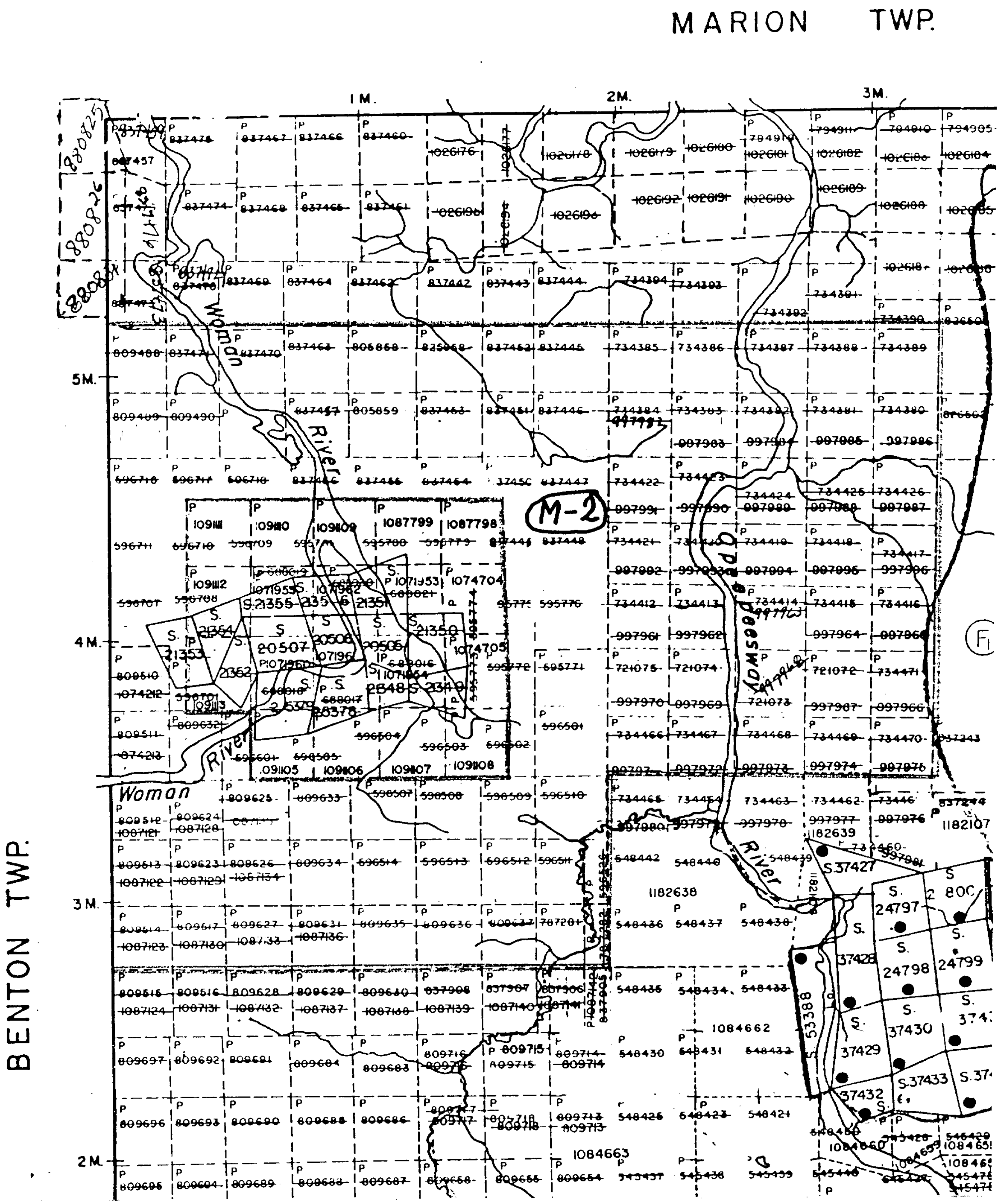
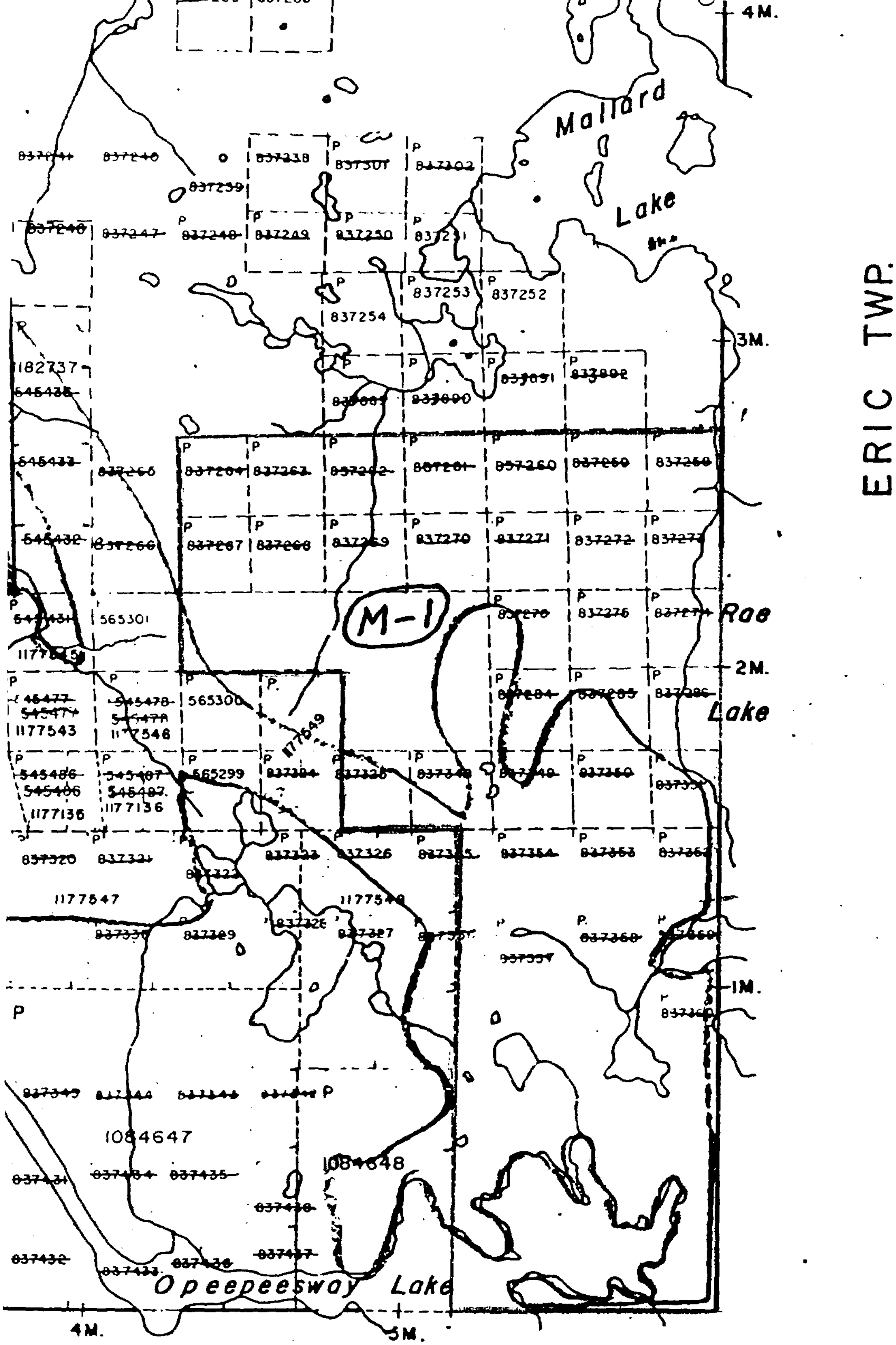
558470
558472
P

Mallard Twp.


MARION TWP.
BENTON TWP.
1 M.
2M.
3M.
5M.
4M.
3M.
2M.
M-2
Woman River
Woman
River
River



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JAN 27 [...]

SCALE: 1 INCH = 40 CHAIN[...]

FEET 0 1000 2000 400[...]

METRES 0 200 1000 (1 KM)

ACRES

40

TOWNSHIP OF
MALLA[...]

DISTRICT OF
SUDBUR[...]

MINING DIVISION
PORCUPIN[...]

Received Sept[...]

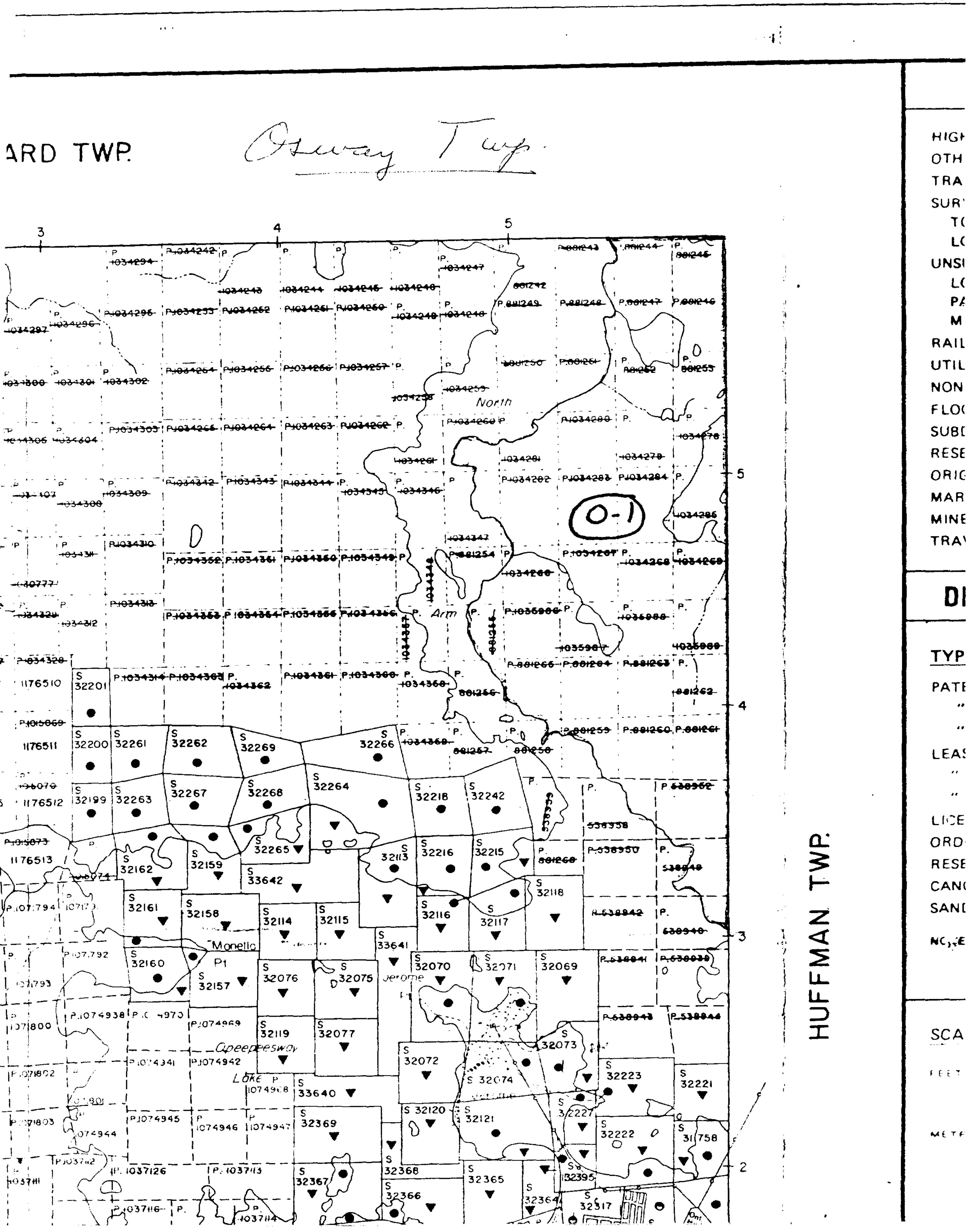
Ministry of Natural Resources
Ontario

Date JULY 1986

National Topographic Series

CK. Sept 16/86

Mallard Twp.



ARD TWP.
Osway Twp.
HUFFMAN TWP.
North
Arm
Monello
Jerome
Opeepeesway
Lake
O-1
HIGH
OTH
TRA
SUR
UNS
RAIL
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MINE
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LEAS
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RESE
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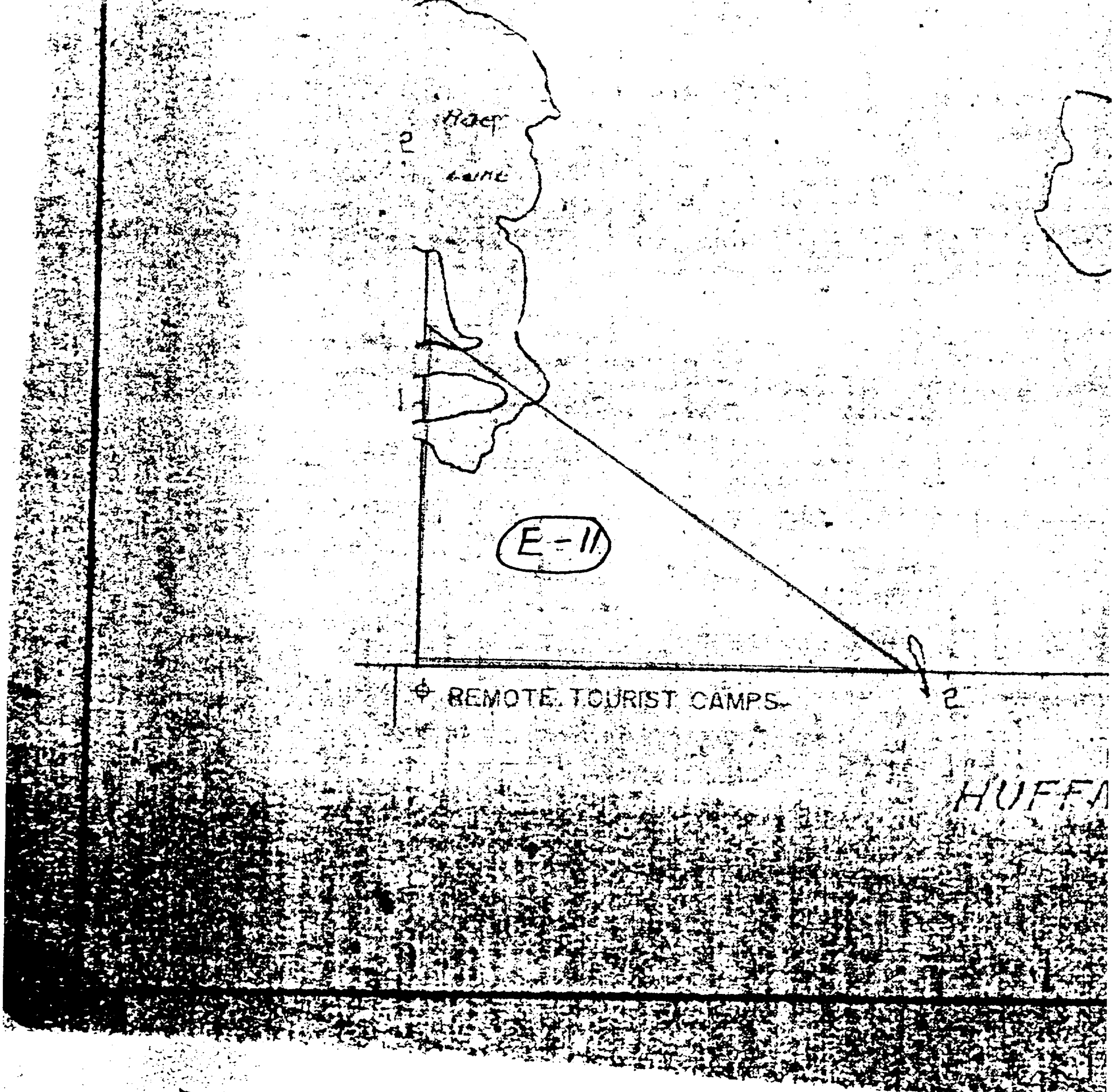
SAND
SCA


E-11
REMOTE TOURIST CAMPS
HUFF

Huffman Twp.

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY

S.R.O. – SURFACE RIGHTS ONLY

M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

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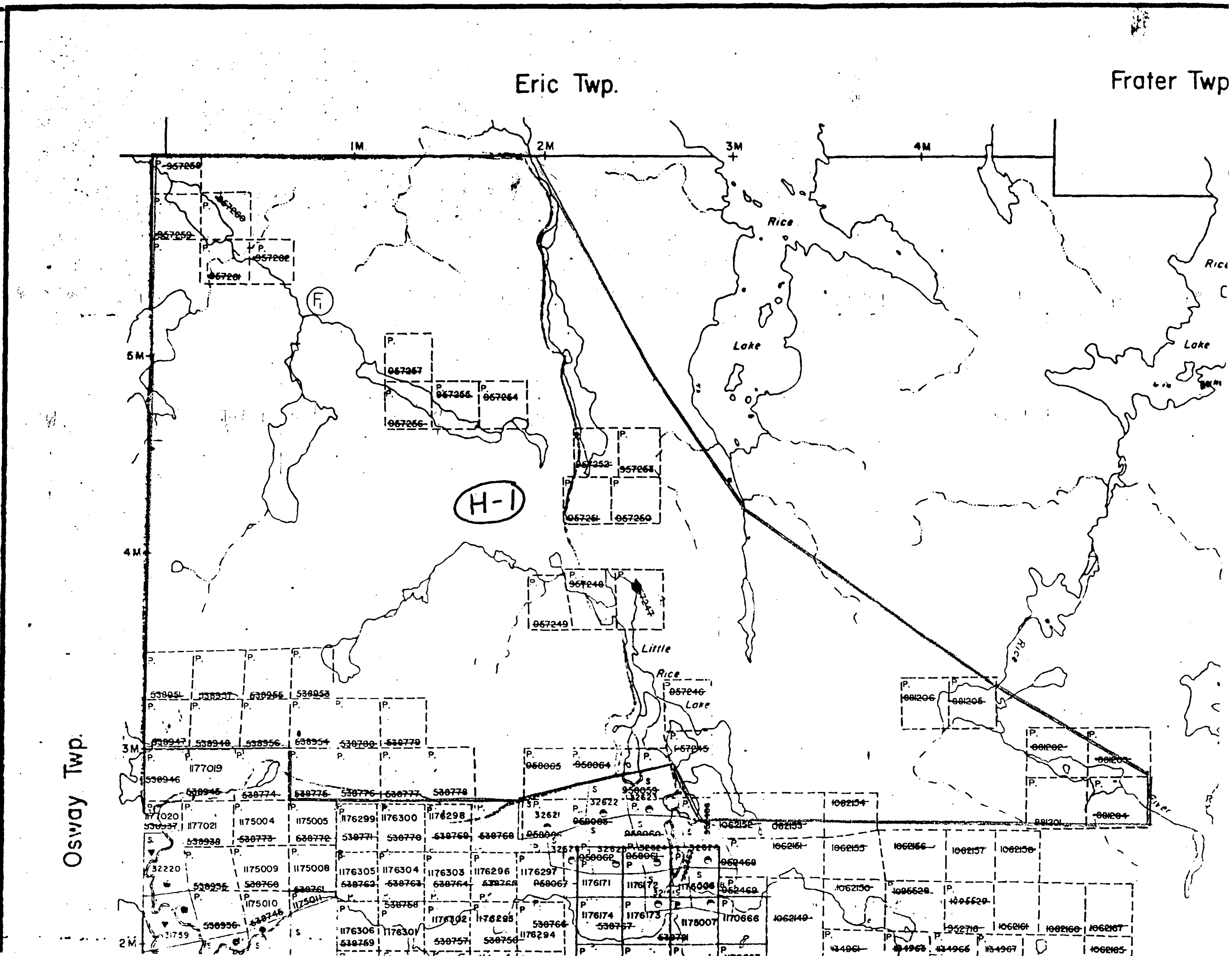


ONTARIO PROSPECTORS ASSISTANCE PROGRAM (OPAP) APPLICATION FOR FUNDING 1992

INSTRUCTIONS
form.
Please type or prin
Submit completed
Incentives Office (I
Ministry of Northern Development & Mines
4th Floor, 159 Cedar St., Sudbury, Ontario P3E 6A5

41O09NE0008 OP92.193 FRATER

040

MAR 12 1992
INCENTIVES OFFICE

Date of Application 28 February, 1992

Mr. ☐ Miss ☐ Mrs. ☐ Ms. ☐

Last Name BARNES First Name(s) FRED Q.

Address c/o Earl J. Lalonde P.O. Box 116 Capreol, ON

City Capreol Province Ontario Postal Code P0M 1H0

Telephone (705) ~~858-2319~~ Capreol - periodically; 416 335-5931 Burlington - thru June; 705 356-1814 Blind River - after June. Contact Telephone ( )

Ontario Prospectors Licence No. A-51166 Occupation Geologist

Briefly state your prospecting or related experience and training (No. of years and type):
40 years mineral industries, underground, exploration, international consulting.

Industry References (that can comment on your prospecting ability):

Name	Telephone	Occupation
D.S. ROBERTSON	(416)-362-5135	GEOLOGIST
J. LONDRY	(416)-730-9116	MINING GEOLOGIST

Ministry reference (if known, preferably Resident Geologist staff): PETER GIBLIN, WILFRED MEYER

Past performance (List of properties optioned, locations, optionee, year)
~~Project 3 - Opeepeesway Lake (OSWAY, Mallard, Hoffman, Errie~~
NUMEROUS PROPERTIES AS OPTIONEE. ONE PROPERTY (BASE METALS) AS OPTIONOR

Previous OPAP application(s) Yes ☑ No ☐ File no(s). OP 91-427

Describe your prospecting project - attach separate sheets (See guideline for details) (SEE ATTACHED)
Stripping (hand + mechanical), prospecting, geophysics - Mag & VLF, mapping.

Start date of project Late April Proposed number of working days by applicant 70 days

List other co-owners of the property that are applying for assistance for this project
Project partners - Earl J. Lalonde (OP91-428), CAPREOL, ONT. AND NORM. FIRTH (OP91-275), BURLINGTON, ONT.

Proposed project area(s) (Twp. or claim map name, latitude and longitude, and Resident Geologist's area)
Opeepeesway Lake (OSWAY, Mallard, Hoffman & Errie Twps, Sudbury District. Porcupine Mng Division, Timmins) AND POSSIBLY BENTON & ESTHER TWPS.
SEE ATTACHED

APPLICATION FOR FUNDING

PROPOSED BUDGET

1. No. of working days **by applicant** including report preparation x $100/day x 70	$ 7000
2. Analyses/Assay Costs (Lalonde & FIRTH)	$ —
3. Equipment Rentals/Supplies	$ 925
4. Contract Services (State Type) geophysics, mechanical.	$ 2000
5. Travel (state method: road, air, etc.) 6000km @ 30¢	$ 1800
6. Food and Accommodation	$ 900
7. Other Expenses (Specify) Telephone, typing	$ 75
TOTAL EXPENDITURES	$ 12,700
Grant Requested ($10,000 maximum)	$ 10,000

The Ministry of Northern Development and Mines may verify all statements related to and made herein this application.

1. I am the person named in the Application for Grant under the Ontario Prospectors Assistance Program.
2. I am ordinarily a resident of Canada.
3. I have complied with all the requirements of the said program.
4. I understand that it is an offence under the Ontario Mineral Exploration Act, 1989, to make a false or misleading statement and that all statements and all other information submitted in support of the said application are true and correct.
5. I will not be employed by the Ministry while in receipt of an OPAP grant.
6. I am not the spouse, child, sibling or parent of a Ministry employee.
7. I am aware that any other Provincial or Federal Government financial assistance received for the said application will be deducted from the amount of incurred "Total Eligible Expenses".
8. I understand that an incomplete application will be rejected and that no revisions will be permitted following receipt.

It is an Offence under subsection 8(1)(A) of the Ontario Mineral Exploration Act, 1989 to knowingly furnish false or misleading information.

Signature of Applicant [signature] Date 28 February, 1992

Name (print) Fred Q. Barnes

Office Use Only:

References checked ______

Ministry reference verified ______

The approximate areas in which work is planned will be checked in the Porcupine Mining Division's Mining Recorder's office in Timmins prior to entering the Opeepeesway Lake Area.

Opeepeesway Lake Area

1.) Location

1.) Osway Township (G3243), Mallard Township (G1171), Huffman Township (G3232), Eric Township (M 789), and possibly Benton Township (G 3233) and Esther Township (G 1120), Porcupine Mining Division.

2.) N.T.S. - 41O/NE

3.) Latitude and Longitude - 47° 40' N, 82° 13' W

4.) Mining Recorder's Office - 60 Wilson Ave., Timmins, Ontario, P4N 2S7

5.) Resident Geologist's Office - 60 Wilson Ave., Timmins, Ontario, P4N 2S7

2.) Prospecting Targets

Gold associated with quartz feldspar porphyry intrusives, dykes and bosses into basic and intermediate volcanics and fragmentals, and gold in shear zones.

3.) Reason for O.P.A.P Project

Follow-up to extensive work in the early 1960's in Osway and Huffman Townships, and examinations of showings in Potter, Yeo and Chester Townships in 1989.

Follow-up to favourable prospecting results in Huffman Township in late 1991.

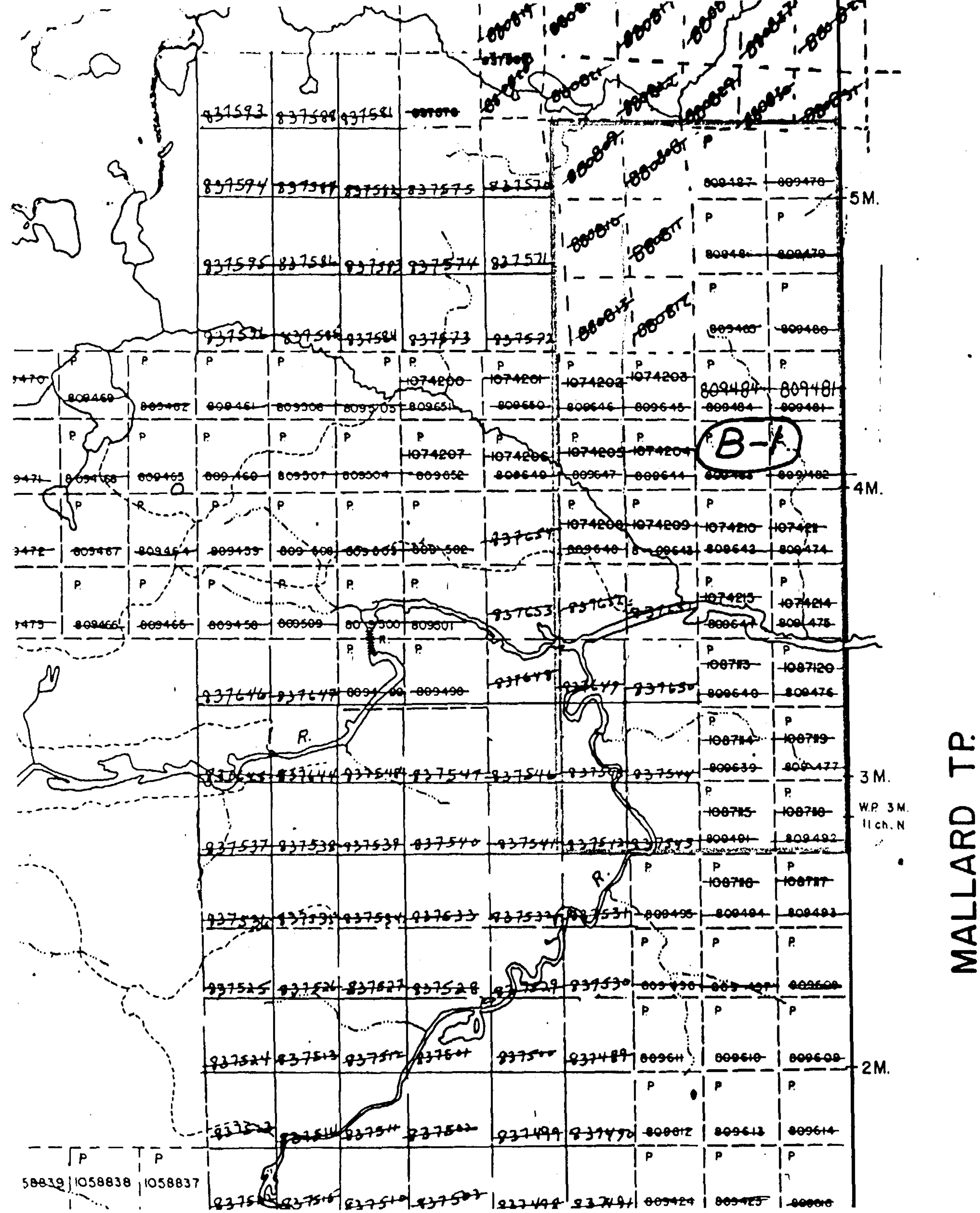
4.) Proposed Work

1.) Prospecting, sampling, geological mapping and stripping of favourable areas.

2.) Geophysics (magnetometer and VLF surveys), detailed geological mapping, sampling and stripping (hand and mechanical) of a favourable area located late in 1991 by prospecting in Huffman Township.

3.) Work is to be completed within the approximate areas indicated on the attached township plans as follows: E-11, H-1 M-1, O-1, and possibly M-2, B-1 and E-1.

Favourable ground will be staked.



MINING CLAIMS ETC.
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON-PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LAN

TYPE OF DOCUMENT	SY
PATENT, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO 1913, VESTED IN ORIGINAL PATENTEE BY THE LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUE

SCALE: 1 INCH = 40 CHAINS

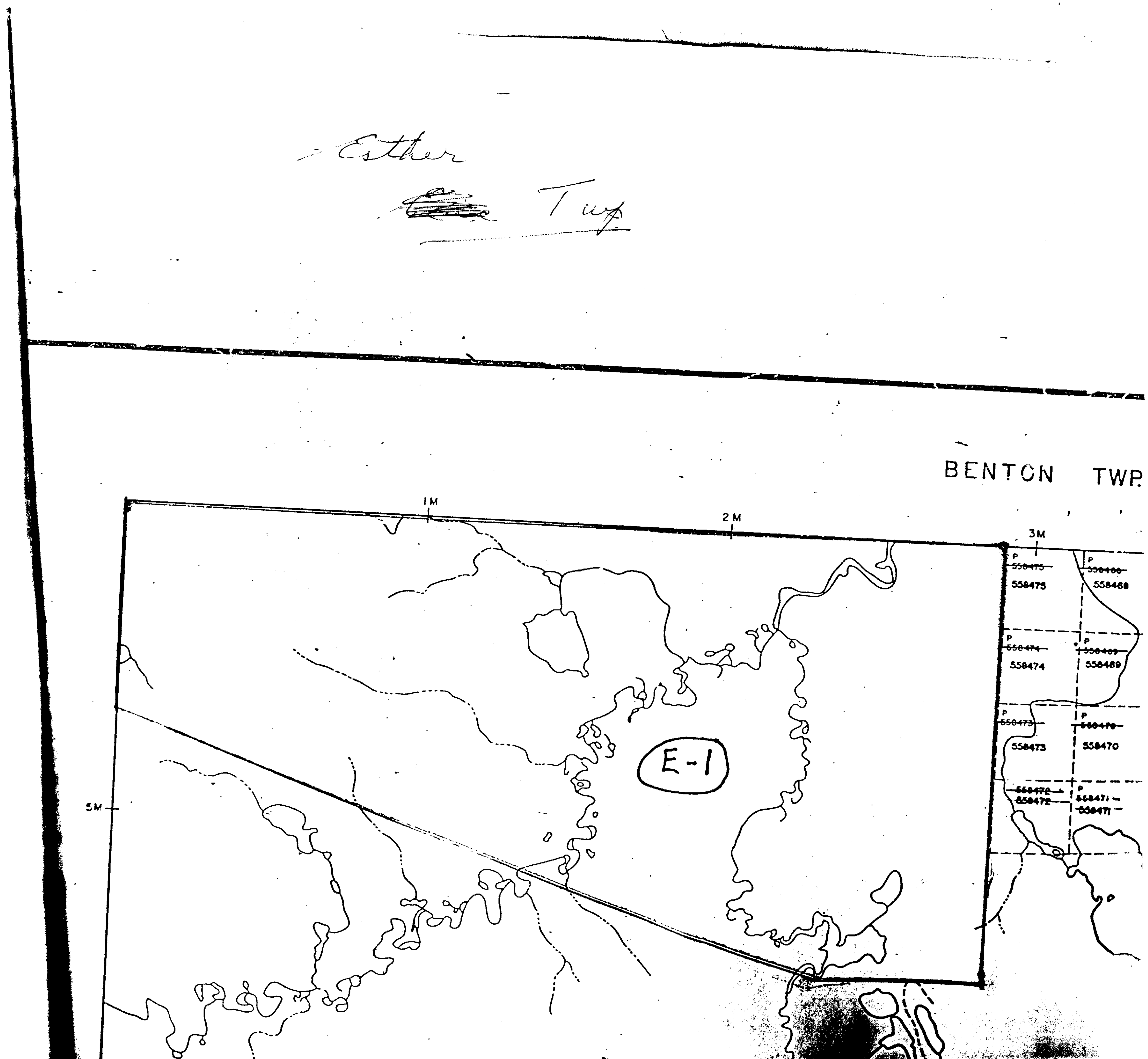
FEET 0 1000 2000 4000 6000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

Benton Twp

TOWNSHIP

PINE MINING DIVISION


Esther Twp
BENTON TWP.
1 M
2 M
3 M
5 M
E-1
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558475
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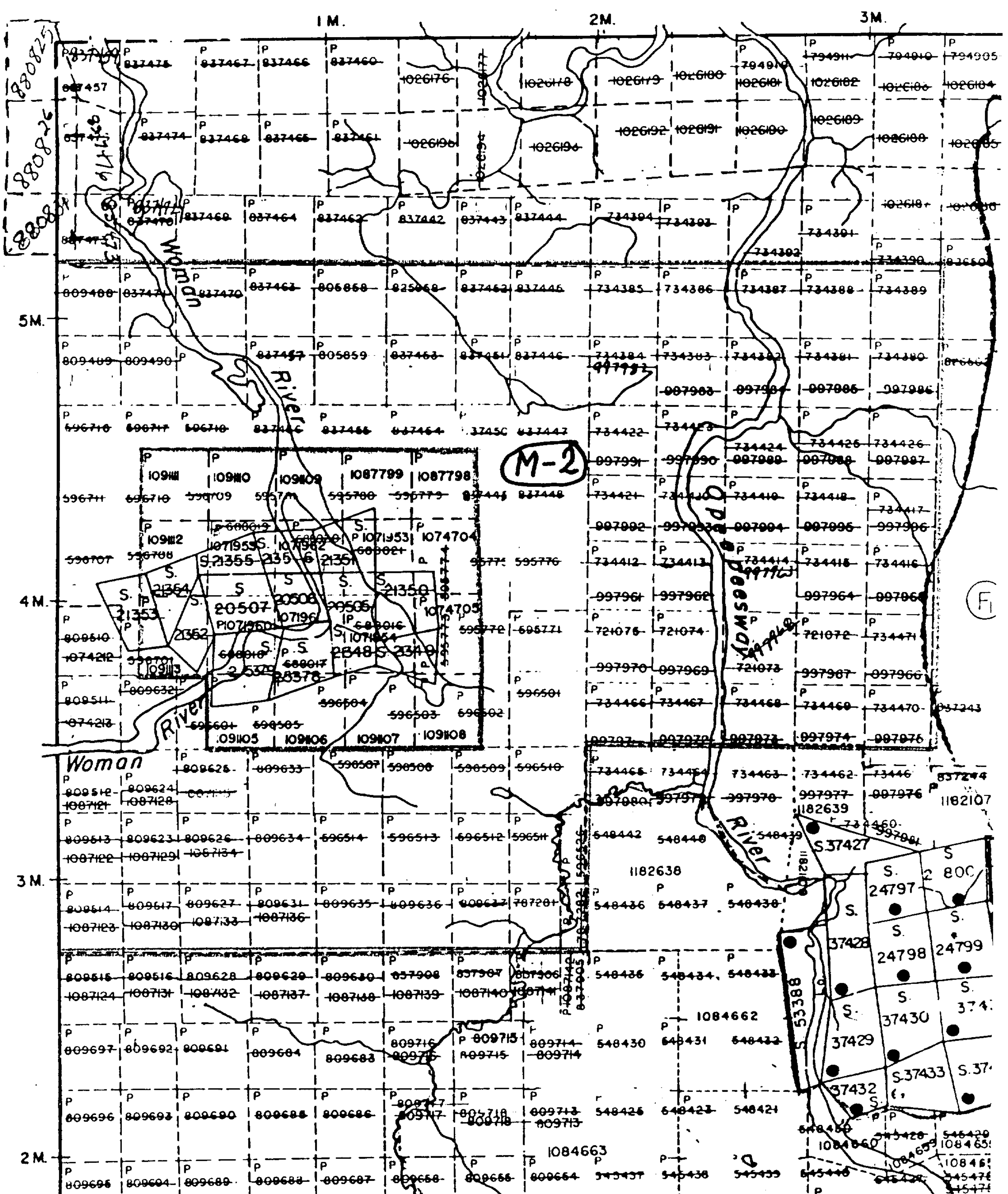
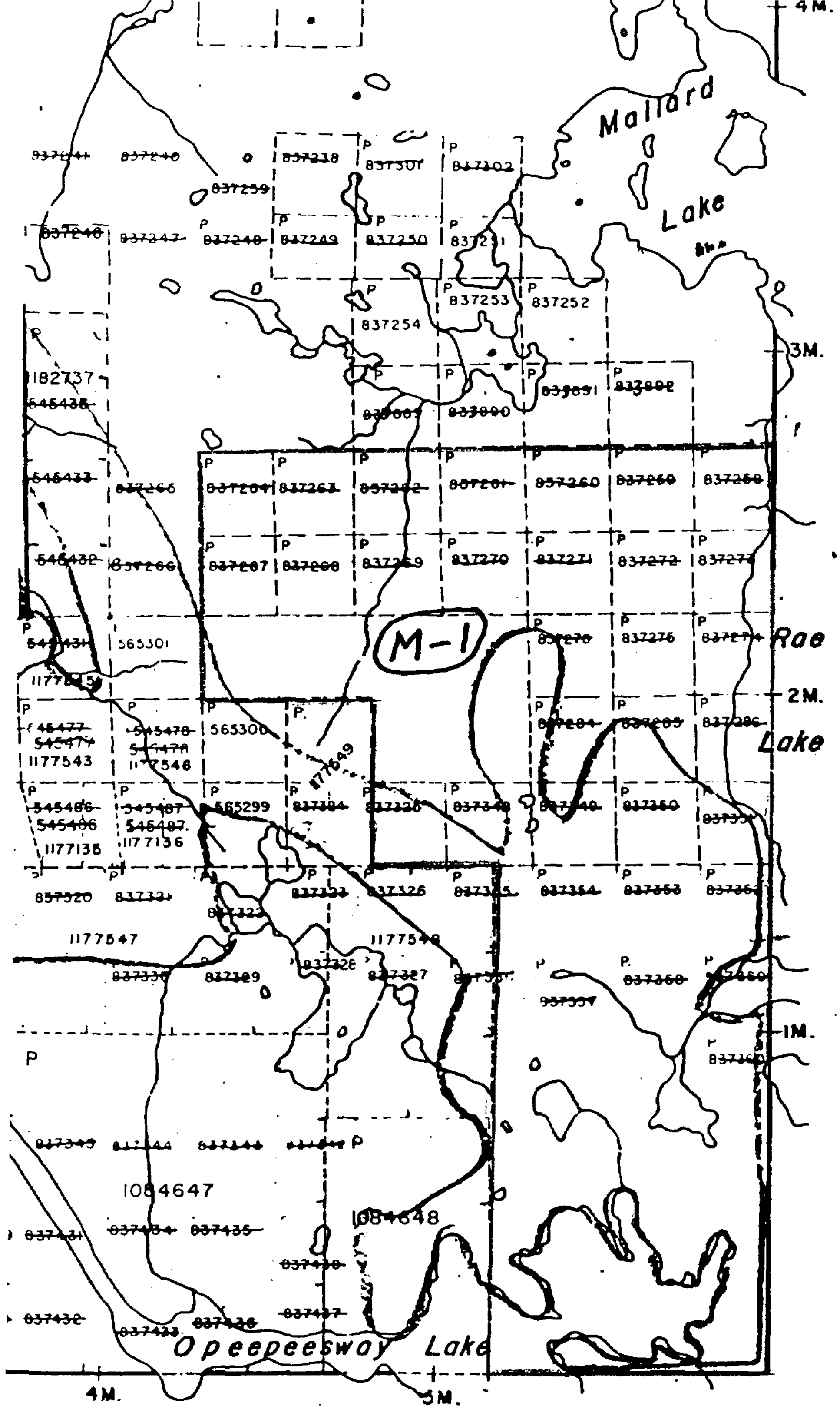
Mallard Twp.

MARION TWP.

BENTON TWP.





Mallard Twp.

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SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000

METRES 0 200 1000 (1 KM)

ACRES

40

TOWNSHIP OF

MALLA

DISTRICT OF

SUDBURY

MINING DIVISION

PORCUPIN

Received Sept

Ministry of Natural Resources

Ontario

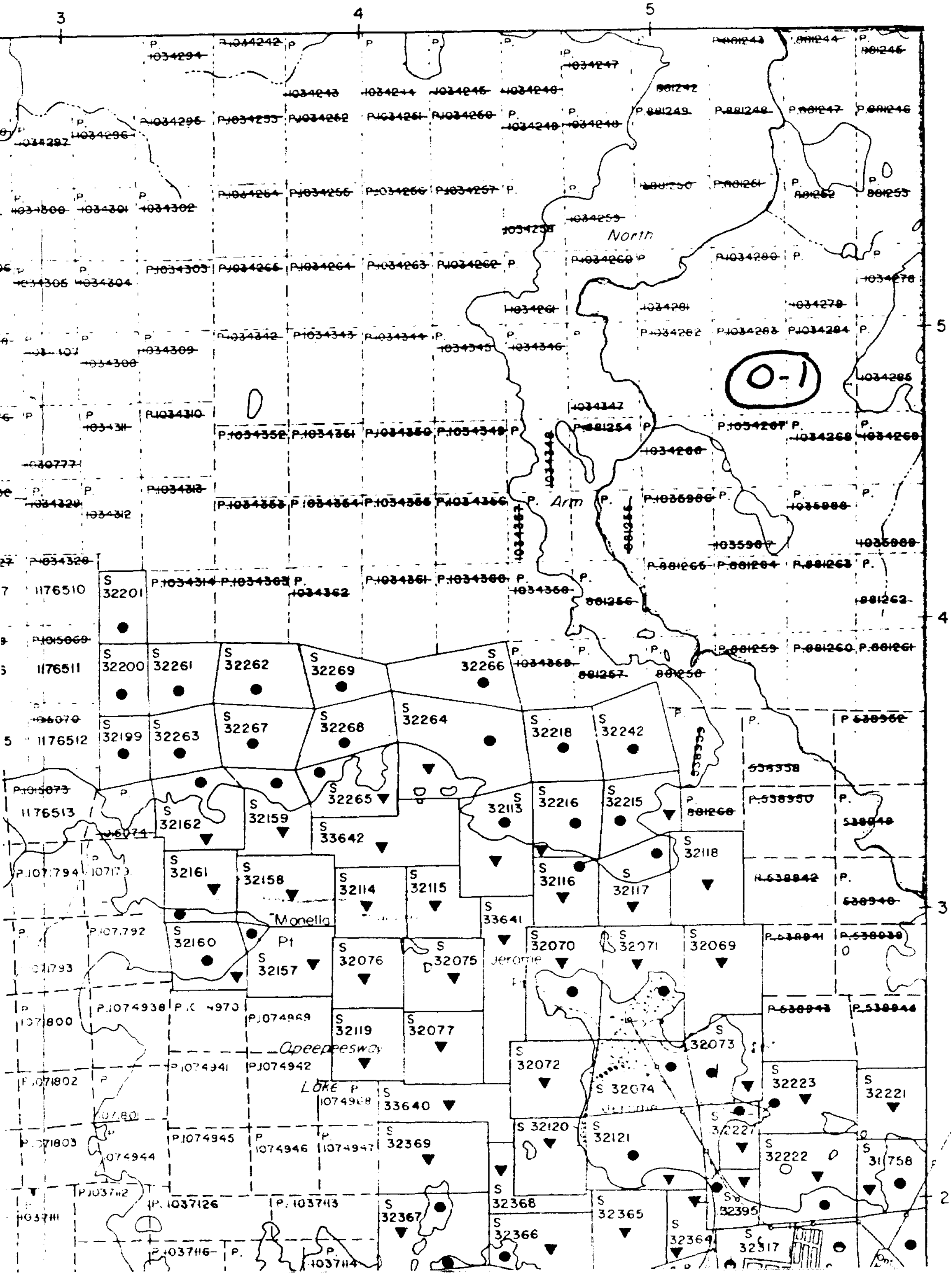
Date JULY 1986

National Topographic Series

CK. Sept 16/86

LARD TWP.

Osway Twp.



HUFFMAN TWP.

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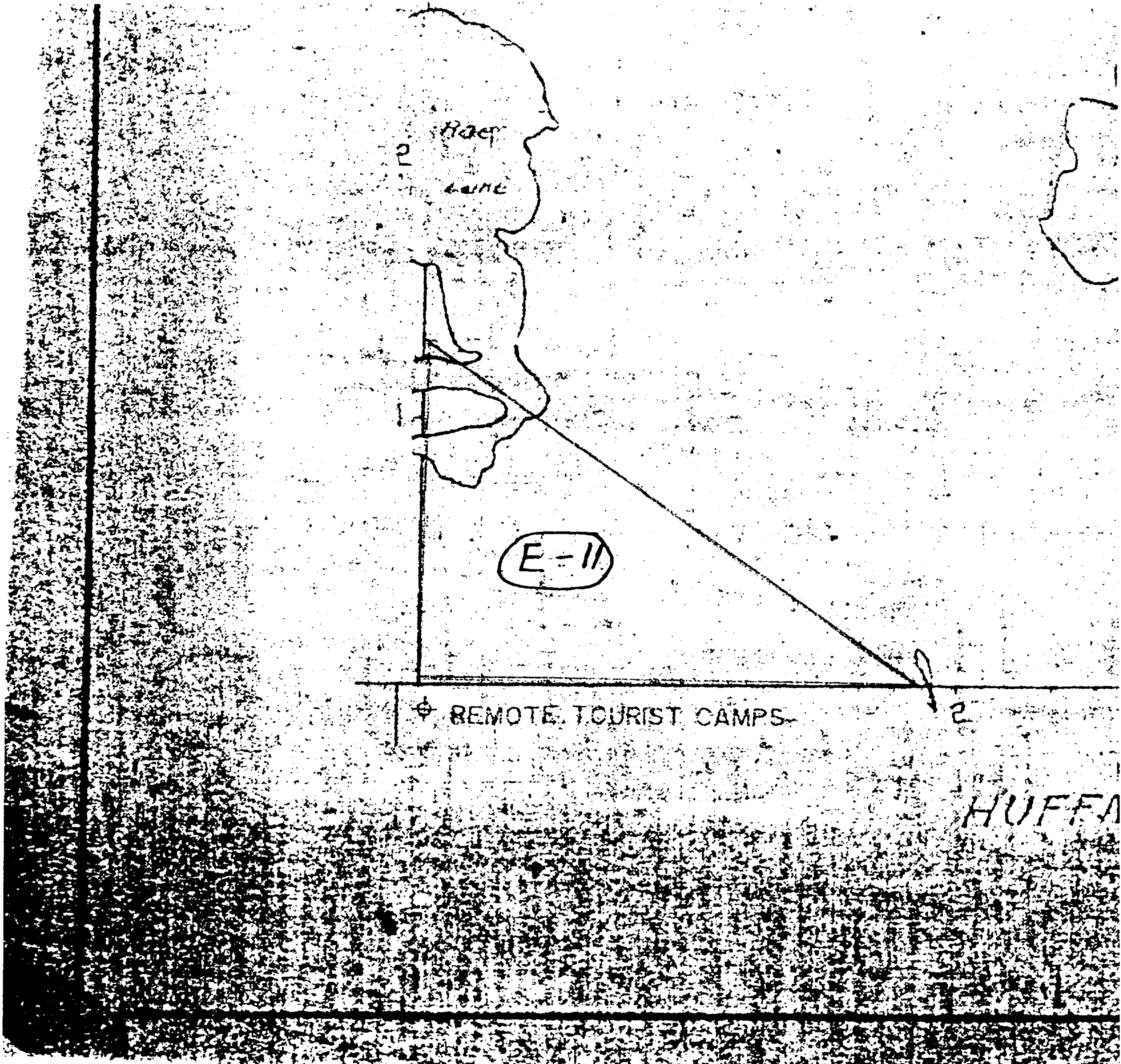

E-11
REMOTE TOURIST CAMPS

Haffman Twp.

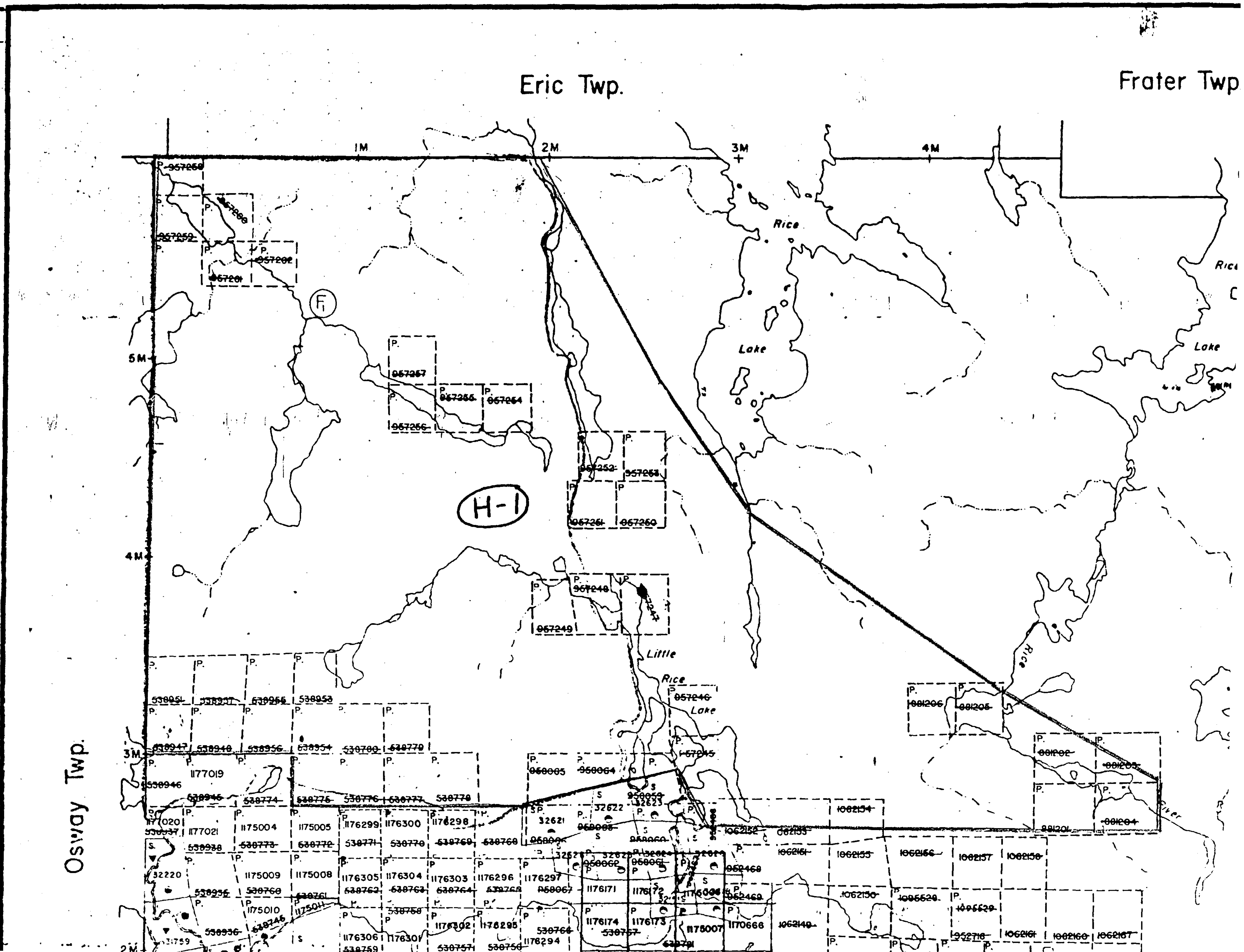
REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

(F1) THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN 1991. FURTHER INFORMATION AVAILABLE ON FILE.



REFERENCES

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- S.R.O. – SURFACE RIGHTS ONLY
- M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

NOTES

F2 THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1994/95, 1995/96. FURTHER INFORMATION ON FILE.

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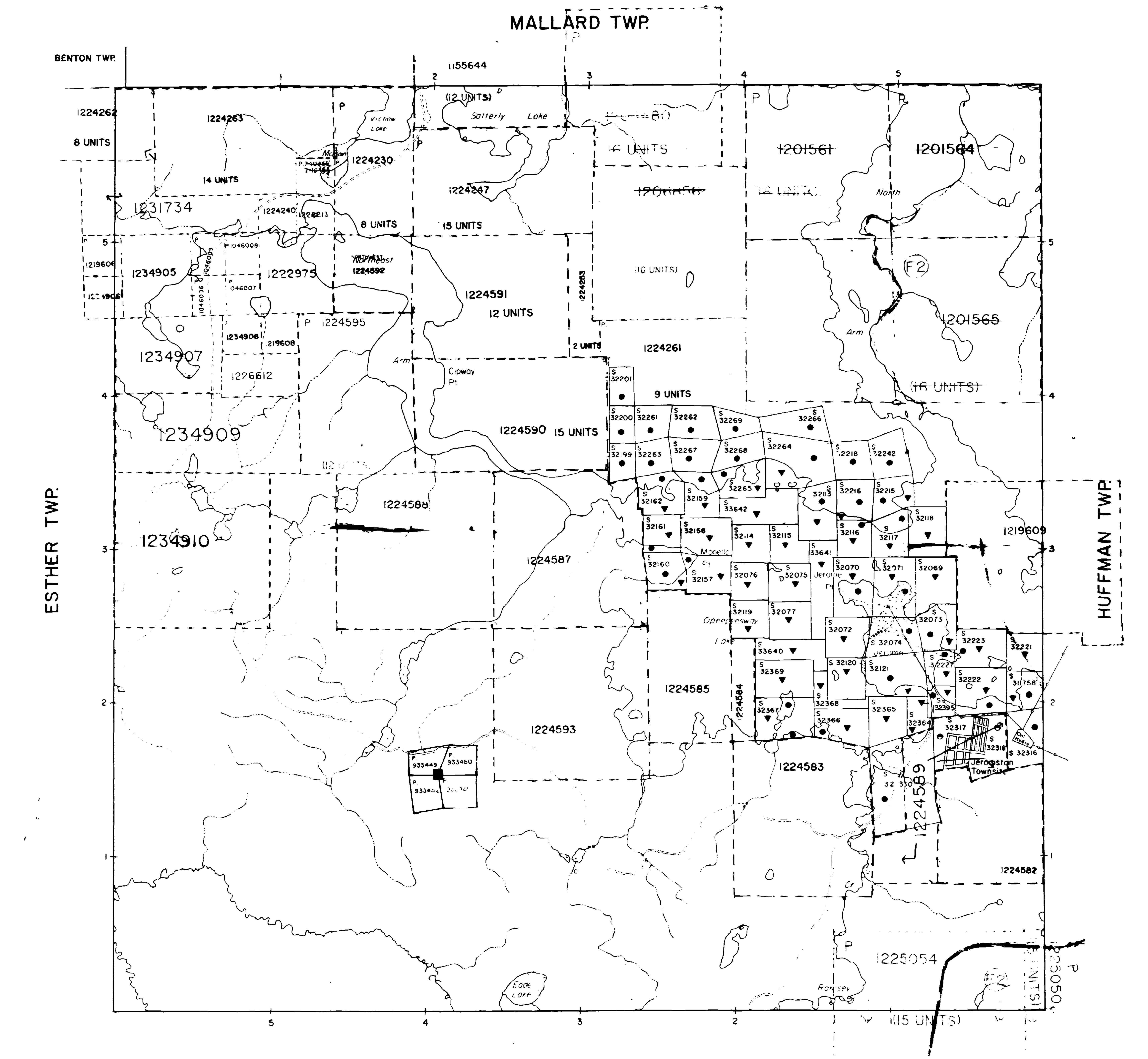

DATE OF ISSUE

MAY 19 1998

PROVINCIAL RECORDING OFFICE - SUDBURY

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◓
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	⬒
" , MINING RIGHTS ONLY	⬓
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	ⓡ
CANCELLED	⊗
SAND & GRAVEL	ⓢ

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

TOWNSHIP

OSWAY

M.N.R. ADMINISTRATIVE DISTRICT

CHAPLEAU

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

SUDBURY

Ontario Ministry of Natural Resources — Land Management Branch

Date MARCH, 1985

Number G-3243

41O09NE0008 OP92.193 FRATER

200

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	⊖
" , MINING RIGHTS ONLY	⊖
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	⊟
" , MINING RIGHTS ONLY	⊟
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	Ⓡ
CANCELLED	⊗
SAND & GRAVEL	Ⓢ

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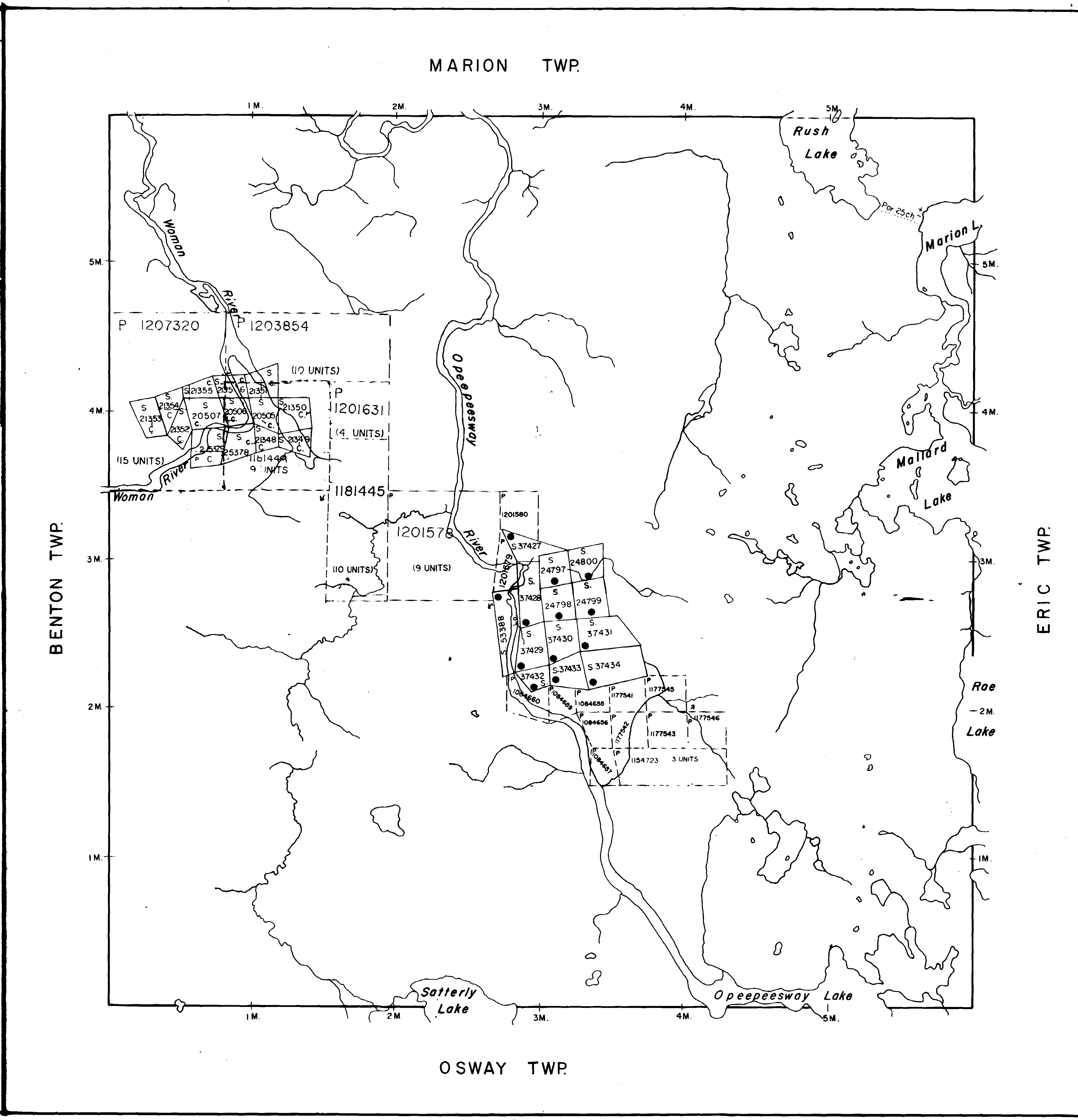
S.R.O. – SURFACE RIGHTS ONLY

M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

F_1 - SUBJECT TO FORESTRY ACTIVITY IN 1994/95 1995/96



LEGEND

HIGHWAY AND ROUTE No.
OTHER ROADS
TRAILS
SURVEYED LINES:
TOWNSHIPS, BASE LINES, ETC.
LOTS, MINING CLAIMS, PARCELS, ETC.
UNSURVEYED LINES:
LOT LINES
PARCEL BOUNDARY
MINING CLAIMS ETC.
RAILWAY AND RIGHT OF WAY
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SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DATE OF ISSUE
MAY 19 1998
PROVINCIAL RECORDING OFFICE - SUDBURY

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

ACRES 40 HECTARES 16

TOWNSHIP OF
MALLARD

DISTRICT OF
SUDBURY

MINING DIVISION
PORCUPINE

Ministry of Natural Resources
Ministry of Northern Development and Mines
Ontario

Date JULY 1986

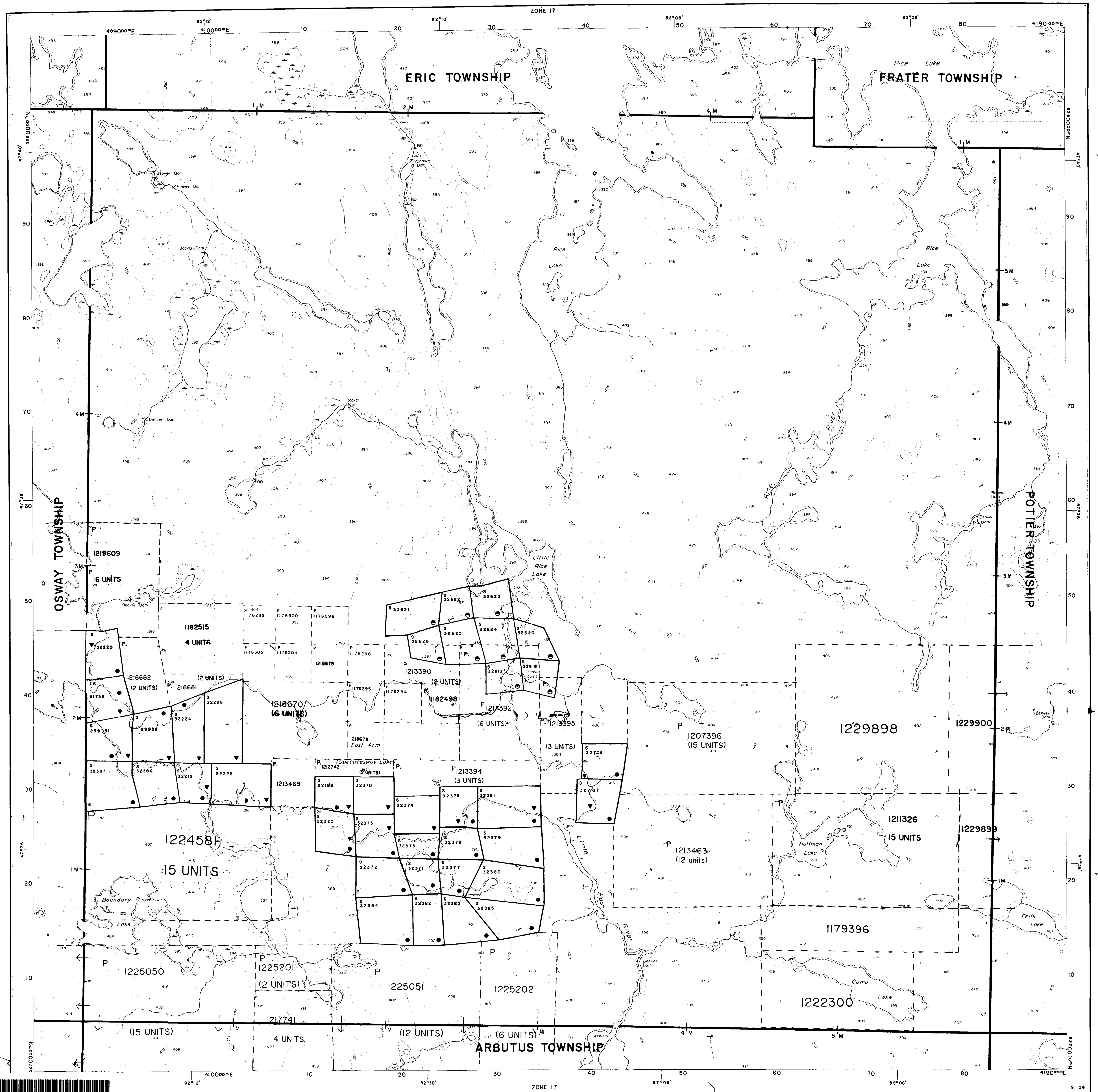
Plan No. G-1171

National Topographic Series

ACTIVATED 94-MAR-01 BB

41O09NE0008 OP92 193 FRATER

210



Ministry of Natural Resources
Ministry of Northern Development and Mines
Ontario

INDEX TO LAND DISPOSITION

PLAN

G-3232

TOWNSHIP

HUFFMAN

M.N.R. ADMINISTRATIVE DISTRICT

CHAPLEAU

MINING DIVISION

PORCUPINE

LAND TITLES/REGISTRY DIVISION

SUDBURY

Scale 1:20 000

1000 Metres 0 1000 2000 Metres

1000 Feet 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000 Feet

Contour Interval 10 Metres

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File

SYMBOLS

Boundary
- Township, Meridian, Baseline
- Road allowance; surveyed
  - shoreline
- Lot/Concession; surveyed
  - unsurveyed
- Parcel; surveyed
  - unsurveyed
- Right-of-way; road
  - railway
  - utility
- Reservation

Cliff, Pit, Pile

Contour
- Interpolated
- Approximate
- Depression

Control point (horizontal)

Flooded land

Mine head frame

Pipeline (above ground)

Railway; single track
- double track
- abandoned

Road; highway, county, township
- access
- trail, bush

Shoreline (original)

Transmission line

Wooded area

DATE OF ISSUE
MAY 19 1993
PROVINCIAL RE
OFFICE - SUD

DISPOSITION OF CROWN LANDS

Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only

Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation

Order-in-Council ... OC

Cancelled

Reservation

Sand & Gravel

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.

G-3232

HUFFMAN TWP

G-3232

41O09NE0008 OP92 150 FRATER

220

NOTES

AREAS WITHDRAWN FROM DISPOSITION

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M.+ S. - MINING AND SURFACE RIGHTS

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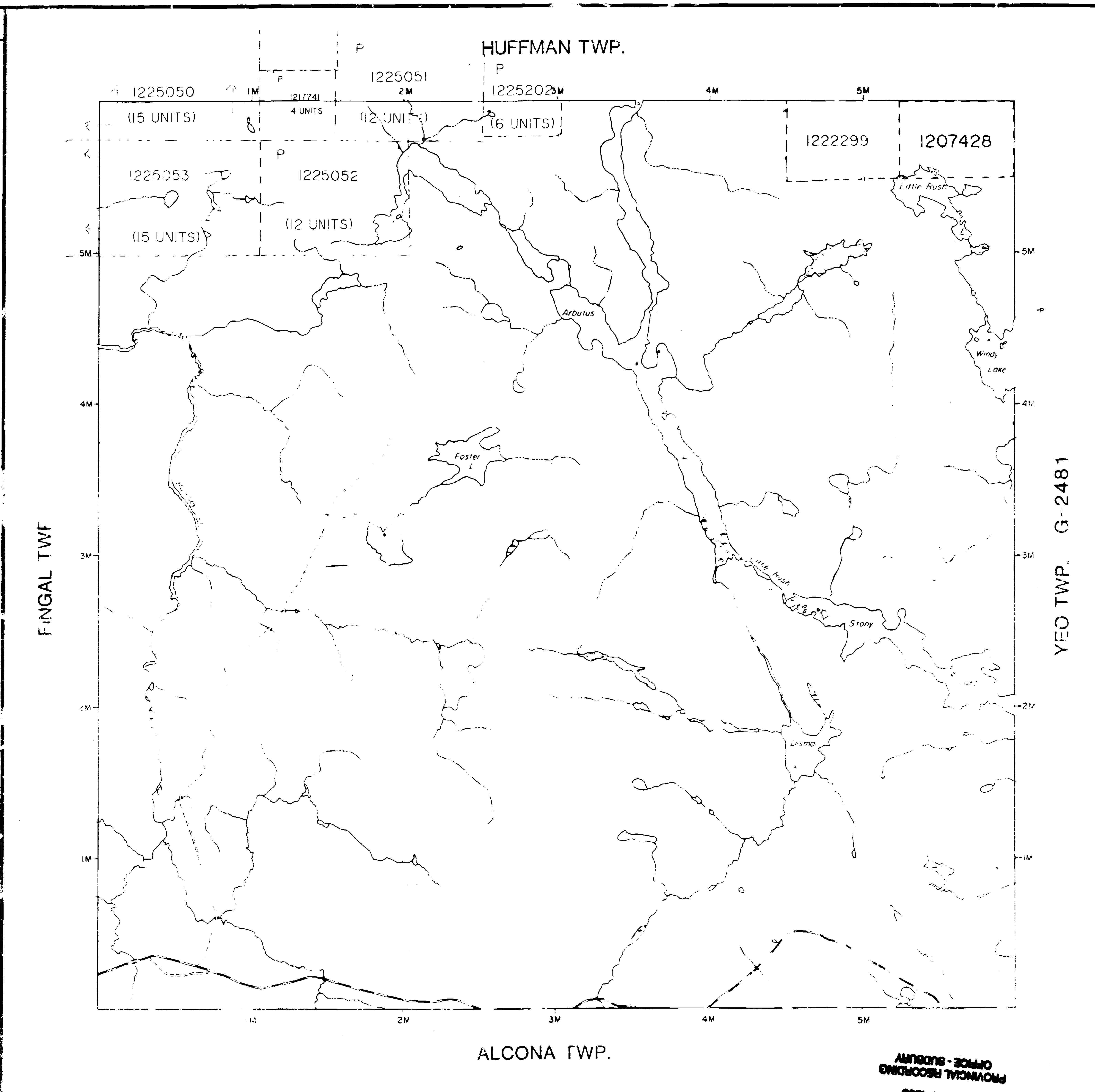

LEGEND

HIGHWAY AND ROUTE No.
OTHER ROADS
TRAILS
SURVEYED LINES
TOWNSHIPS, BASE LINES, ETC.
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TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
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" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

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SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 2000 (1 KM) (2 KM)

TOWNSHIP

ARBUTUS

M.N.R. ADMINISTRATIVE DISTRICT

CHAPLEAU

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

SUDBURY

Ministry of Natural Resources
Ontario

Land Management Branch

Date: OCTOBER 1983

Checked July 21/86

Received July 31/86

Number: G-2483

PROVINCIAL RECORDING OFFICE - SUDBURY
MAY 1 9 1998
DATE OF ISSUE

41O09NE0008 OP92.193 FRATER

230

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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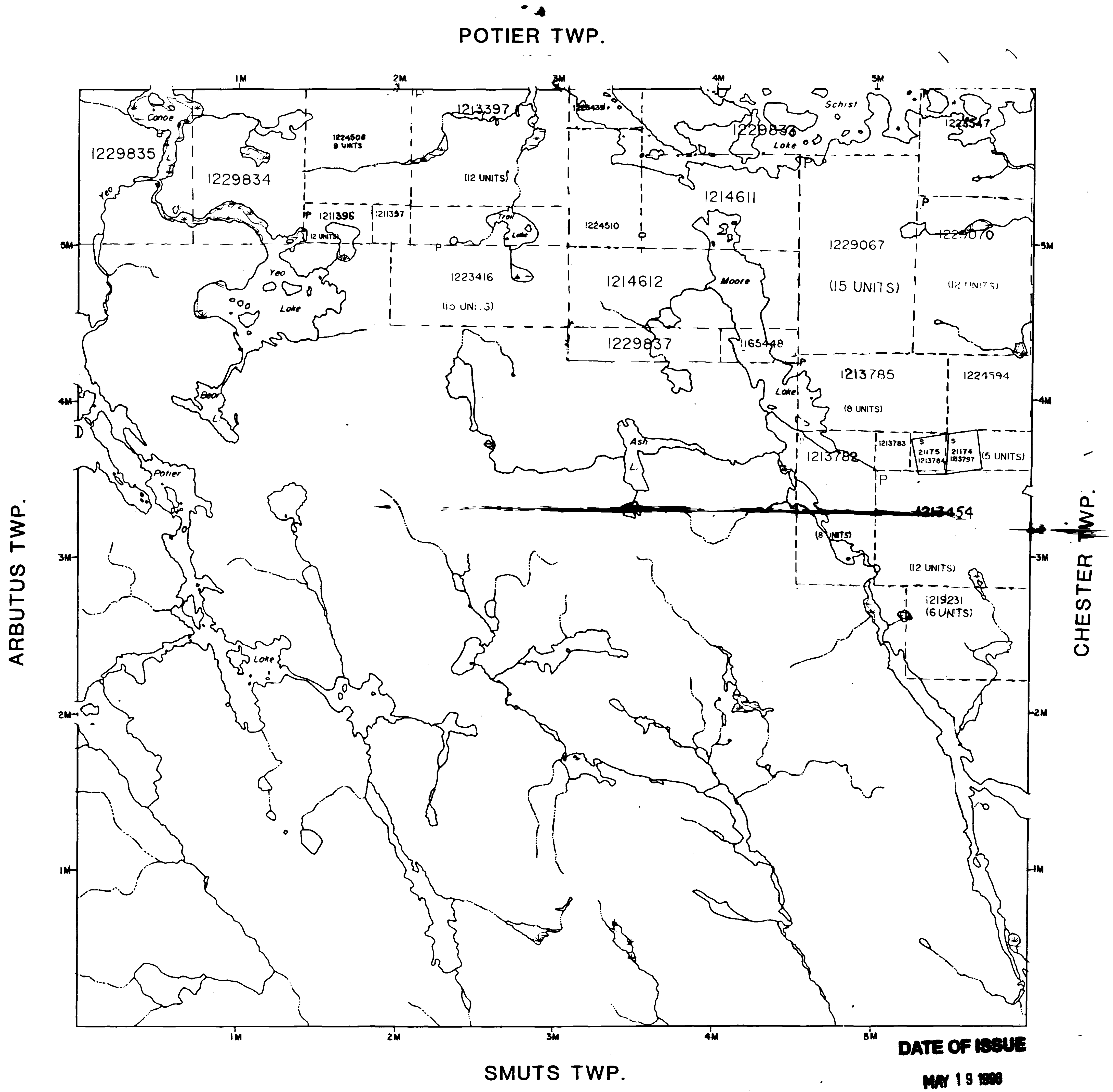

DATE OF ISSUE

MAY 19 1998

PROVINCIAL RECORDING OFFICE - SUDBURY

LEGEND

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- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	OC
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC 1.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

TOWNSHIP

YEO

M.N.R. ADMINISTRATIVE DISTRICT

GOGAMA

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

SUDBURY

Ontario Ministry of Natural Resources — Land Management Branch

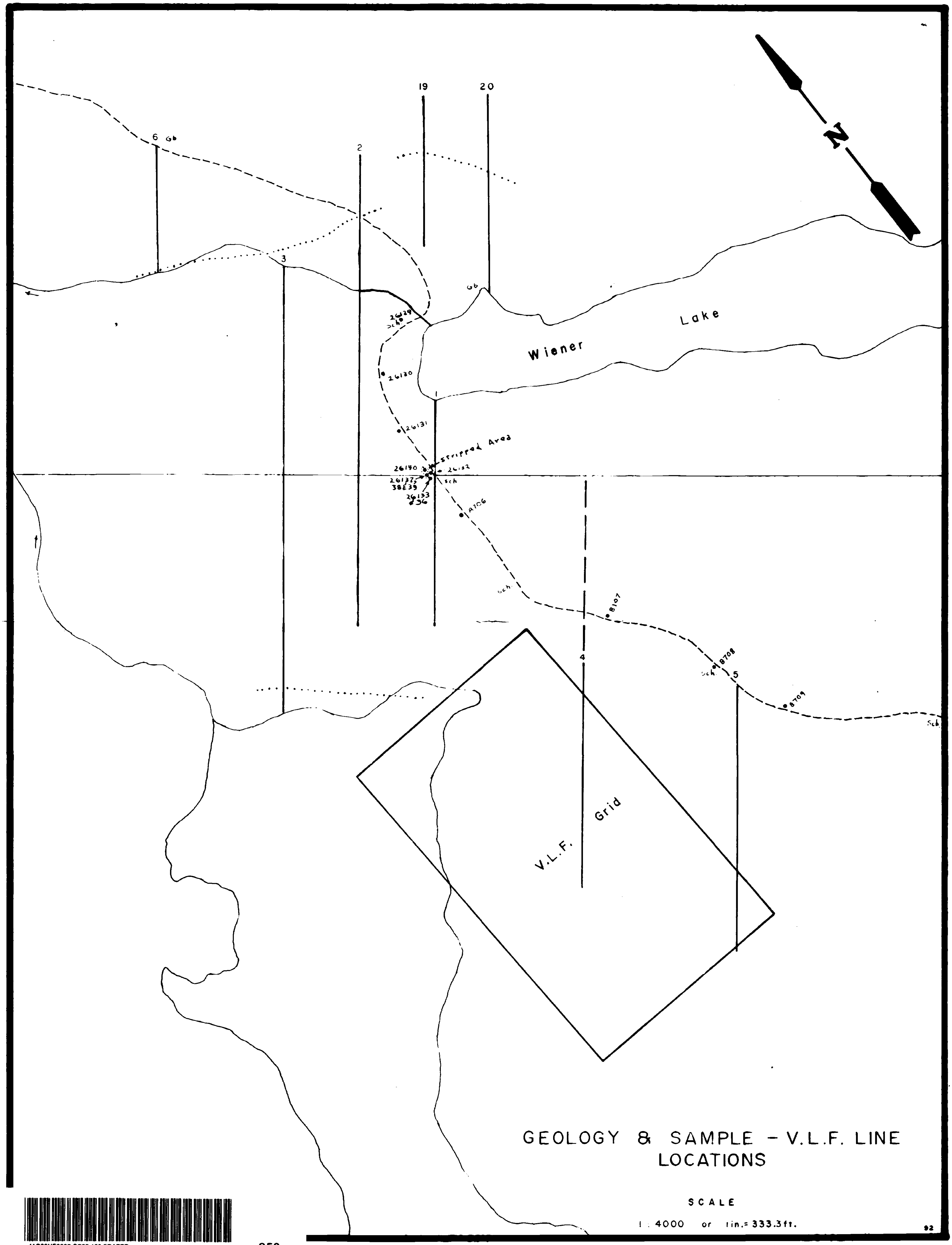
Date	Number
OCTOBER, 1983	G-2481

IN SERVICE OCT 20 '89

CHECKED BY

41O09NE0008 OP92.193 FRATER

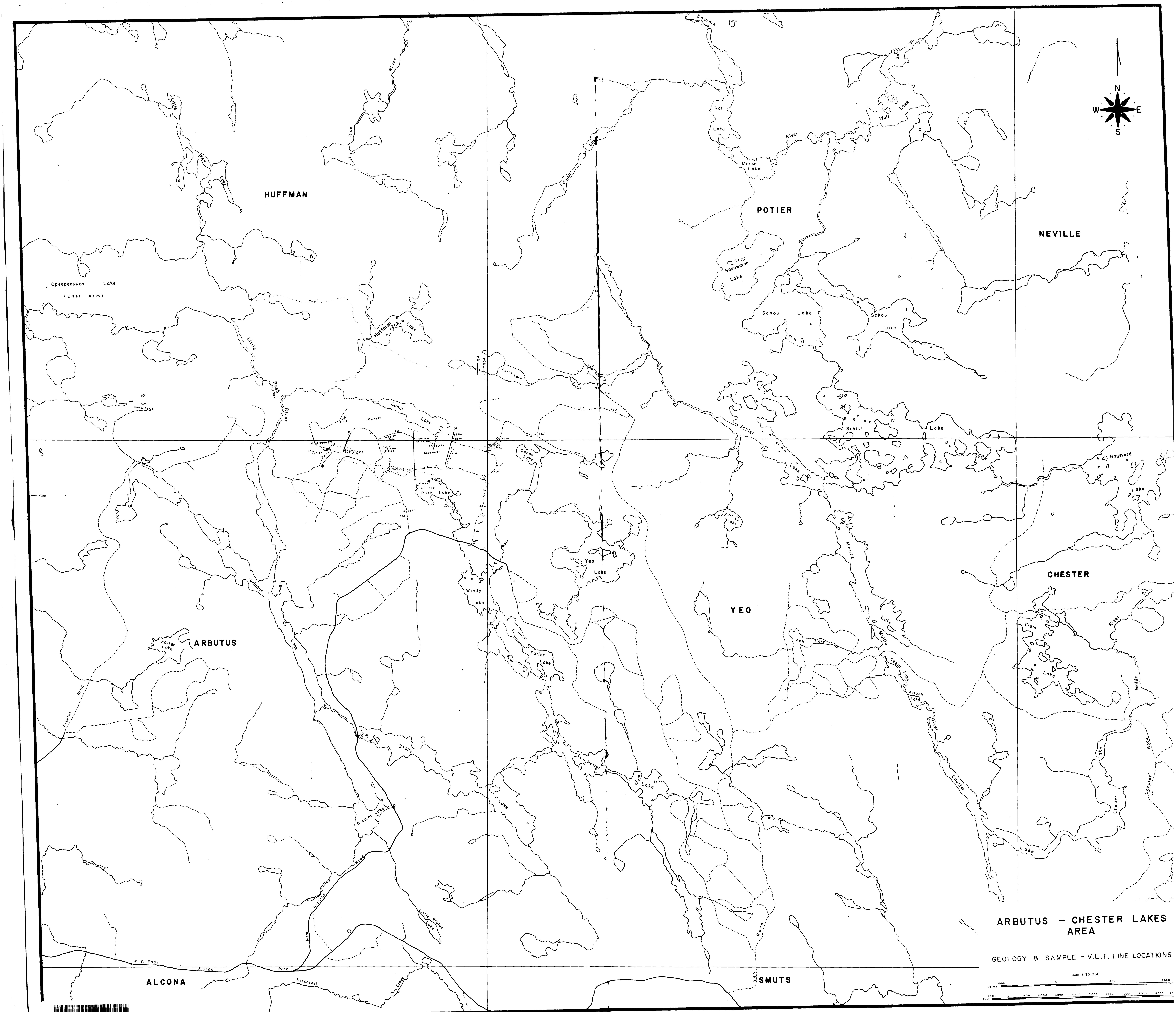
240



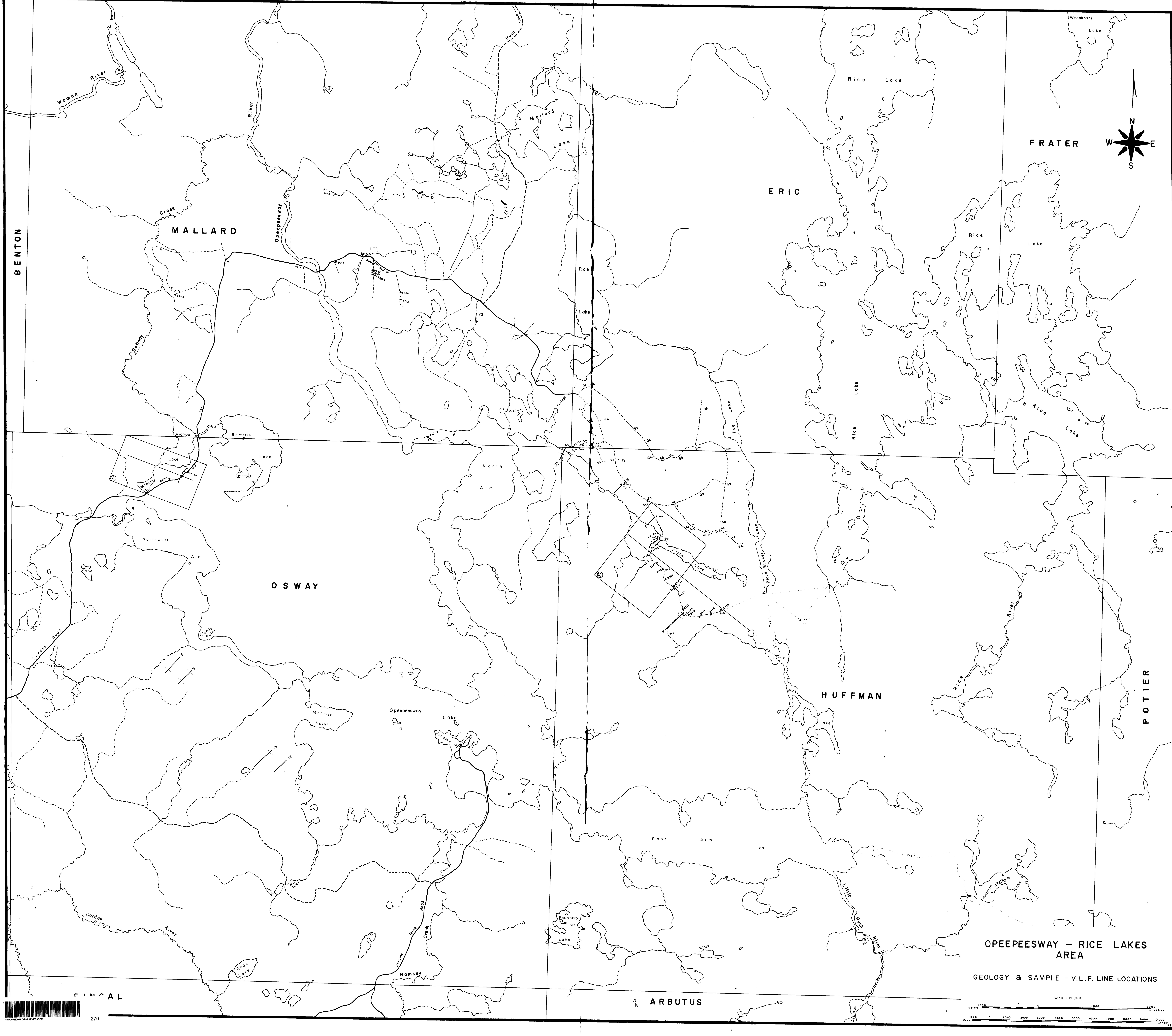
GEOLOGY & SAMPLE - V.L.F. LINE LOCATIONS

SCALE

1 : 4000 or 1 in.= 333.3 ft.


HUFFMAN
POTIER
NEVILLE
ARBUTUS
YEO
CHESTER
ALCONA
SMUTS
N
W
E
S
Opeepeesway Lake
(East Arm)
Little Rice Lake
Rice River
Samme
Rat Lake
Mouse Lake
River
Wolf Lake
Vivian Lake
Squawman Lake
Schou Lake
Schou Lake
Trail
Huffman Lake
Little Rush River
Felix Lake
Camp Lake
Schist Lake
Schist Lake
Bogsverd Lake
Canoe Lake
Little Rush Lake
Trail Lake
Yeo Lake
Windy Lake
Moore Lake
Mollie Lake
Ash Lake
Catkin Lake
Attach Lake
River
Clam Lake
River
Foster Lake
Arbutus Lake
Potier Lake
Stony Lake
Potier Lake
Dismal Lake
Little Arbutus Lake
Chester River
Chester Lake
Mollie River
Arbutus Road
New Arbutus Road
E. B. Eddy Sultan Road
Biscotasi Creek
Yeo Road
Chester Road
ARBUTUS - CHESTER LAKES AREA
GEOLOGY & SAMPLE - V.L.F. LINE LOCATIONS
Scale 1:20,000

260


BENTON
MALLARD
ERIC
FRATER
OSWAY
HUFFMAN
POTIER
ARBUTUS
FINCAL
Woman River
River
Opeepeesway
Mallard Lake
Rice Lake
Rice Lake
Rice Lake
Rice Lake
Wenakoshi Lake
Roe Lake
Dog Lake
Satterly Lake
Satterly
Creek
Vichow
Lake
North Arm
Northwest Arm
Opeepeesway Lake
Monella Point
Opeepeesway Point
Cordes Road
Cordes River
Rice River
Little Rice Lake
Blood Sucker
Trail
East Arm
Little Rush River
Boundary Lake
Eode Lake
Ramsey
Jerome Mine Road
Creek
N
W
E
S
OPEEPEESWAY – RICE LAKES AREA
GEOLOGY & SAMPLE – V.L.F. LINE LOCATIONS
Scale 1:20,000