PROSPECTING AND GEOPHYSICAL REPORT

ON THE

THOMAS PROPERTY

PORCUPINE MINING DIVISION, ONTARIO
(THOMAS TOWNSHIP)

by

HENRY HUTTERI B. Sc.

and

RICHARD SPROULE, B. SC. FGAC

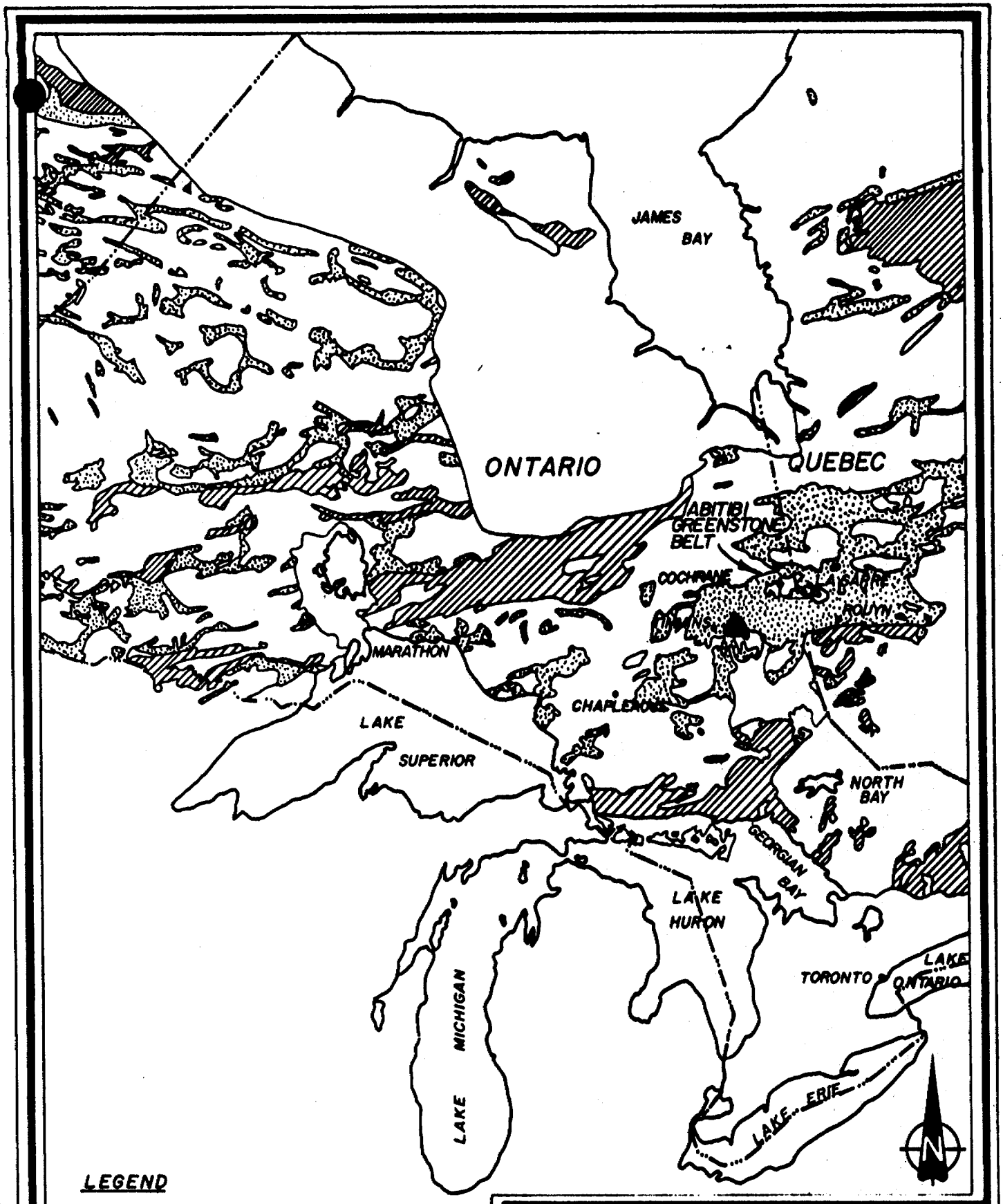
January 9, 1990

Box 397
South Porcupine, Ontario
P0N 1H0

TABLE OF CONTENTS

LIST OF FIGURES

APPENDIX



LEGEND

- Archean greenstone and associated Sediments
- Granitic Terrain
- Non Archean Sediments, volcanics, intrusions

Revisions	THOMAS PROPERTY	
	Thomas Township, Ontario	
	PROPERTY LOCATION	
	Date.	Drawn
	NTS	Approved
	Scale 1:760,320	
	Figure: 1	

INTRODUCTION

A program of prospecting, sampling, magnetometer and VLF-electromagnetic surveying was carried out on the Thomas Property, located approximately 22 miles east of Timmins, Ontario.

The program was designed to locate shear zones, strong carbonate alteration zones and areas anomalous in gold mineralization.

The work was performed by Henry Hutteri and Richard Sproule from November 1989 to January 1990.

PROPERTY DESCRIPTION

The Thomas Property is comprised of 30 contiguous, unpatented mining claims within Thomas Township, Porcupine Mining Division, Ontario. The claim numbers and recording dates are listed below.

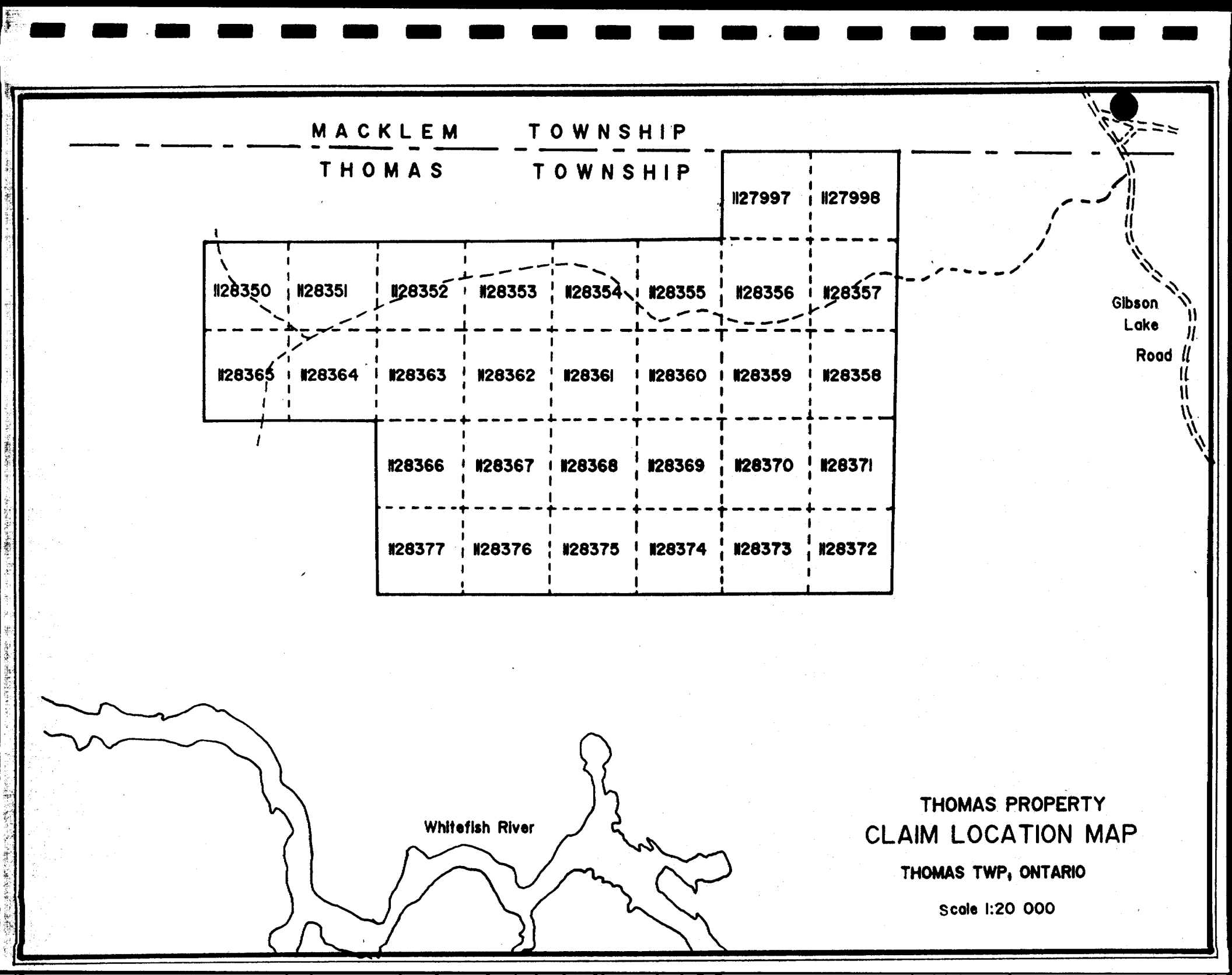
CLAIM NUMBER	RECORDING DATE
P 1128350-1128377	November 30, 1989
P-1127997-1127998	November 30, 1989

The claims are currently registered to Henry Hutteri, Box 397, South Porcupine, Ontario.

LOCATION AND ACCESS

The Thomas Property is located within northern Thomas Township, in the District of Cochrane approximately 20 miles east of Timmins, Ontario.

Access to the property is readily gained by travelling east along Highway 101 approximately 22 miles then south along Gibson Lake Road, an all weather gravel road, for a distance of 6 miles. A secondary road heads westward from this point and crosses onto the claim group after driving an additional one mile.


MACKLEM TOWNSHIP
THOMAS TOWNSHIP
#27997
#27998
#28350
#28351
#28352
#28353
#28354
#28355
#28356
#28357
#28365
#28364
#28363
#28362
#28361
#28360
#28359
#28358
#28366
#28367
#28368
#28369
#28370
#28371
#28377
#28376
#28375
#28374
#28373
#28372
Gibson Lake Road
Whitefish River
THOMAS PROPERTY
CLAIM LOCATION MAP
THOMAS TWP, ONTARIO
Scale 1:20 000

The topography in the area is relatively flat with a relief of less than 30 feet. Large portions of the property are covered by spruce bogs and cedar swamps. The drier areas are forested by mature poplar, birch, jack pine, spruce and balsam.

PREVIOUS WORK

The first recorded work on the Thomas Property was by prospector Henry Hanson and geologist J.V. Culbert on the Foster & Trout Creek claims in 1923. Prospecting carried out uncovered exposures of carbonatized basalt cut by quartz and quartz-tourmaline veins. Seven samples analyzed are reported to have contained from 0.01 to 0.05 oz/ton gold.

During 1965, an active time for base metal exploration, Markay Mining Corporation Ltd. conducted ground electromagnetic and magnetic surveying over a large portion of the subject property. Three diamond drill holes totalling 1587.5 feet were drilled to test selected magnetic anomalies. Two of these holes appeared to lie within the boundaries of the Thomas Property. The drill holes encountered diabase as well as extensive carbonate and sericite alterations, shearing, quartz-carbonate tourmaline veins, fault zones, talc-chlorite schist, mariposite and aplite dykes. Five samples analyzed for gold were reported to have yielded low gold values.

A 1964 report for Markay Mining Corporation Ltd. by R.B. Bradshaw reported that an assay value of 0.41 oz/ton gold over 1.2 feet was previously obtained from the property.

In 1981 WPM Resources Ltd. carried out limited biogeochemical sampling over a group of 27 claims adjoining the western end of the Thomas Property. The samples were analyzed for base metals, however, no anomalies were outlined and the claims were allowed to lapse.

In 1983 Noranda Exploration Co. conducted ground magnetic surveying on a group of 6 claims immediately east of the Thomas Property. A 1230 foot diamond drill hole drilled to test a conductive zone in 1976 intersected numerous graphitic bands and intermediate to rhyolitic tuffaceous rocks. A second hole was drilled in 1983 approximately 450m northeast of the previous hole. Felsic agglomerate, lapilli tuff, graphitic tuff and argillite were intersected. These claims are currently part of the O.G.S. Nighthawk Geophysical Test Range, a restricted land package within northeastern Thomas and northwestern Sheraton Townships.

In January and February of 1984, Dome Mines Ltd. carried out linecutting, magnetometer and horizontal-loop electromagnetic surveying over a large block of claims in southern Macklem Township and covering several of the northern most claims of the Thomas Property. Several drill holes were sunk, mainly within Macklem Township. There is no record of any drilling being carried out

within the boundaries of the Thomas Property. A large claim group to the north is currently held in good standing by Dome Mines Ltd.

In 1986, BA Resources Ltd. carried out geological mapping and magnetometer surveying over a large portion of the Thomas Property. Strong carbonate and sericite alteration, silicification and quartz tourmaline veining was identified along with northwest and northeast trending diabase dykes. Gold values up to 0.04 oz/ton were obtained from sampling. Further work was recommended but none was carried out.

REGIONAL GEOLOGY

The Thomas Property lies within the Abitibi-Greenstone Belt in the Night Hawk Lake area of Northern Ontario. The oldest rock units within the Night Hawk Lake area are the mafic volcanic rocks and minor felsic volcanic flows. These are overlain by felsic volcanic rocks which grade upwards into tuffaceous and sedimentary rocks which are prominent in Cody Township. A younger and voluminous mafic volcanic sequence overlies these sediments and extends east of Night Hawk Lake. Ultramafic, felsic intrusive and diabasic rocks are relatively common within the area.

A major regional structure, the Destor-Porcupine Fault crosses eastward through the area approximately 6 miles north of the Thomas Property. Broad zones of strongly altered and schistose rocks lie

adjacent to the Destor-Porcupine Fault Zone in northern Macklem Township and along the Thomas-Macklem Township boundary, passing through the subject property. Rocks within these highly altered zones consist of carbonate-chlorite schist, talcose chlorite-carbonate schist, chlorite-sericite-quartz schist, carbonate-sericite schist, chlorite schist and carbonate altered rocks with quartz veining.

Significant gold mineralization has been found associated with these highly altered zones in northern Macklem and Cody Townships by Trader Resources, Pamourex and Aquarius Gold Mines. Scattered gold occurrences have been discovered along similar zones located further to the south in Macklem and Thomas Townships.

PROPERTY GEOLOGY

Prospecting and sampling was carried out by Henry Hutteri and Richard Sproule on the Thomas Property during November 1989. The work was carried out in order to examine the bedrock exposures for the presence of any alteration, type of alteration, intensity of shearing and to locate areas anomalous in gold and/or select trace elements. A light snow-cover on the ground at the time prevented a full viewing of the entire outcrop surface, however rock samples were readily obtained in all outcrop areas for examination and trace element analysis.

All bedrock exposures within the Thomas Property lie north of the base line. The rock exposures viewed consisted of a mixture of carbonate-chlorite schist, carbonate-sericite schist and lesser chlorite schist. Strong silicification and scattered quartz veining was also evident in places. The general strike of these altered mafic volcanic units is approximately 120°. There were no exposures of diabase seen during the course of the prospecting, however, the magnetometer survey subsequently outlined a large northeast trending diabase dyke in the southeast corner of the claim group and a few narrower northwest trending diabase dykes on the remainder of the property. The sample locations, numbers and rock types are indicated on the accompanying property compilation map.

A total of 52 rock samples were collected from all areas of outcrop on the Thomas Property. All samples were analyzed for 31 elements using the ICP method. Whole rock analysis was completed on 6 samples. Background gold content appeared to be less than 4 ppb. Samples 56921 (quartz-carbonate vein) and 56926 (carbonate-sericite schist) yielded anomalous gold values of 171 and 36 ppb respectively. Sample 56921 also yielded a weakly anomalous As. value of 66 ppm. Sample 56933 yielded the highest As value of 85 ppm as well as elevated values in Co, Ni and Cr.

The results of the Whole Rock Analysis were plotted on a Jensen Cation Plot found in Appendix B. The rocks sampled appeared

to be mainly tholeitic basalt and andesite (Tisdale Group) with one sample falling within the basaltic komatite field.

GEOPHYSICAL SURVEYING

Linecutting

A grid was established prior to the geophysical surveying. This consisted of brushing out, chaining and re-picketing old grid lines and extending some lines to cover all of the claims. The baseline was oriented at 115^0 with grid lines trending 025^0. Grid lines were spaced 400 feet apart and stations were established at 100 foot intervals. A total of 26 miles of grid lines including baseline were cut.

VLF EM-16 Survey

A total of 1,258 readings were taken over the entire grid using the Cuttler Maine Transmitter station. Readings were taken at 100 foot intervals with both in-phase and quadrature valves being recorded at each station. All readings were taken facing north. The data was then plotted on a profile map at a scale of 1:2400.

Magnetometer Survey

A total of 1258 readings were collected using a Geometric 816 Proton Precession magnetometer with a ±1 gamma sensitivity. Readings were taken at 100 foot intervals over all grid lines. The field data was then corrected for the diurnal drift using the base line looping method. Data was then plotted on a map at a scale of 1:2400 and contoured at 100 gamma intervals.

Discussion of Results

A review of the magnetometer survey data shows that with the exception of diabase dykes, the property is underlain by a suite of uniformly low magnetic rock.

Two sets of diabase dykes are interpreted to be located on the property. A northeasterly and a north westerly trending set. There are two of the northeast trending dykes located on the property, one in the south east corner, trending from line 8E - 20S to line 44E - 10N and the other from line 16W - 20S to line 12E - 35N.

Two sets of the north west trending dykes are also located on the claims. These are found striking from line 32W - 1N to line 40W - 12N and on line 4W - 6N to line 24W - 20N. This later dyke also appears to join with the northernmost northeast trending dyke,

The VLF survey data shows a small number of east southeast trending conductive zones. The zone with the greatest strike length is found trending from line 12W at 7N to line 24E at the baseline. This conductor is offset approximately 400 feet to the south between lines 0 and 4W. This is most probably caused by the conductor being cut by the diabase dyke which cuts through this area.

In the extreme northwest corner of the property two subparallel conductors are found trending from line 52W to line 28W.

It is believed that all of these conductive zones are caused by conductive shear zones along lithological contacts. Evidence to support this interpretation may be found on lines 48W @ 1N, 4E @ 2N, 8E @ 2N and 12E @ 1N, where strongly altered and sheared rock exposures are found rising above the surrounding terrain.

CONCLUSIONS AND RECOMMENDATIONS

A program of prospecting, sampling, and geophysical surveying has been completed on the Thomas Property, within Thomas Township, Northern Ontario. The claim group was found to be underlain by carbonate schist, carbonate-chlorite schist, carbonate-sericite schist, silicified carbonate schist, chlorite schist and quartz veining.

These rocks were found to represent an altered suite of tholeitic basaltic, andesitic and basaltic komatitic volcanic rocks.

A total of 52 rock samples were taken and analyzed for gold and a variety of trace elements. The highest gold value obtained was 171 ppb. from a quartz - carbonate vein. No distinct geochemical anomalies were outlined by the trace element data.

The VLF EM-16 survey outline several southeast striking conductive zones which were previously unidentified. The magnetometer survey was not successful in delineating the altered bedrock from unaltered areas. The magnetics were very flat and only outlined a few diabase dykes.

Additional prospecting and sampling of the various quartz vein systems appears warranted in order to adequately evaluate the

mineral potential of the property.

Also, due to the absence of bedrock exposure within large portions of the property, I.P. surveying would be useful in outlining potential gold bearing zones of disseminate sulphide mineralization.

Respectfully submitted

January 9, 1990

Henry Hutteri

Richard Sproule

REFERENCES

Fyon, J. Andy and Crocket, J.H. 1983: Gold Exploration in the Timmins Area Using Field and Lithogeochemical Characteristics of Carbonate Zones; Ontario Geological Survey Study 26, 56 p. Accompanied by 2 Charts, 2 Maps.

Leahy, E.J. 1971: Geology of the Nighthawk Lake Area, District of Cochrane, Ontario. Ontario Department of Mines and Northern Affairs, GR 96, 47 p. Accompanied by Map 2222 scale 1: to 1 mile.

Pyke, D. R. 1981: Relationship of Gold Mineralization to Stratigraphy and Structure in Timmins and Surrounding Area.

Ministry of Natural Resources Assessment Work Files: Timmins

T -272
T-1133
T-1965
T-1712
T-1994
T-2402

APPENDIX A

COMP: HENRY HUTTERI
PROJ: OPAP 1
ATTN: HENRY HUTTERI/R.SPROULE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9T-1073-RJ1+2
DATE: [illegible]-29-89
* TYPE ROCK GEOCHEM * [illegible]T:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
56 901	.6	710	69	3	1152	.3	1	3090	2.3	7	249	6140	160	2	1780	210	5	140	435	110	22	1	15	1	1	4.3	22	1	1	1	159	2
56 902	1.4	27170	1	1	47	1.0	11	23880	2.8	42	68	57880	1080	14	34610	1197	14	160	426	920	24	6	57	1	1	81.0	106	1	1	5	420	1
56 903	.9	21420	23	1	55	.8	9	34060	3.8	30	49	44430	1240	18	33050	1206	14	130	231	820	33	6	63	1	1	53.8	94	1	3	4	341	2
56 904	1.3	31480	19	1	55	1.2	13	20140	2.0	39	42	54690	940	13	35940	1341	14	150	282	1060	27	9	70	1	1	108.6	108	1	3	6	515	4
56 905	1.3	23780	1	1	13	1.1	7	32980	3.4	31	64	49570	1000	26	33170	1531	16	160	218	980	26	10	35	1	1	66.9	91	1	2	5	391	2
56 906	1.0	23240	4	1	73	.9	6	25220	1.8	39	24	53550	1000	32	29750	1800	13	340	266	910	18	4	30	1	1	64.9	114	1	2	4	352	1
56 907	1.8	30270	1	1	16	1.2	11	35360	1.9	29	38	51130	260	20	35270	1203	17	170	191	930	21	7	63	1	1	119.2	92	1	2	5	471	1
56 908	1.1	17640	1	1	45	.8	10	39050	4.1	30	13	41770	1130	18	29160	2159	13	110	187	840	21	9	53	1	1	47.0	71	1	2	4	273	2
56 909	1.0	24210	30	1	21	1.1	23	25270	3.2	35	7	44520	130	21	34910	1176	15	390	274	940	17	8	2	1	1	90.4	85	1	3	8	782	2
56 910	1.1	10080	13	1	27	.5	7	71430	2.9	15	63	21490	60	13	19710	829	12	70	122	330	15	4	1	1	1	34.1	43	1	2	2	198	1
56 911	1.1	11300	13	1	15	.7	9	46480	3.0	30	38	43920	230	12	31440	1230	15	810	172	860	10	7	13	1	1	45.7	71	1	2	4	269	1
56 912	1.2	21370	1	1	59	.9	7	30550	2.2	35	48	48550	1270	11	29820	1588	13	180	166	960	13	5	36	1	1	63.7	99	1	2	5	419	3
56 913	1.3	23190	12	1	64	1.0	7	29220	2.9	43	50	48950	1340	18	30940	1389	14	140	234	980	19	6	43	1	1	53.3	103	1	2	5	394	2
56 914	1.0	24470	1	1	44	1.1	10	32240	4.5	41	58	52060	1180	17	32590	1395	14	140	235	890	18	7	45	1	1	60.6	97	1	2	5	402	1
56 915	1.2	31440	1	1	50	1.0	12	29550	3.4	30	41	50540	290	15	35360	1179	14	170	157	920	19	6	63	1	1	125.4	100	1	2	6	501	1
56 916	1.5	32930	1	1	115	1.1	11	40260	2.7	34	47	54140	70	35	38580	1501	16	150	168	910	13	7	69	1	1	127.4	101	1	2	6	478	2
56 917	1.4	3020	1	1	17	1.0	12	105280	3.8	21	22	49670	720	2	39820	3526	19	350	99	700	23	15	1	1	1	25.8	47	1	5	2	51	1
56 918	1.6	2560	1	1	17	.8	12	111760	4.8	32	30	55160	630	2	41500	3801	19	410	128	620	26	16	1	1	1	29.2	49	1	4	2	42	2
56 919	1.1	2490	1	1	15	.8	9	82830	5.0	13	31	37890	420	2	34070	2028	15	380	108	960	20	11	1	2	1	23.6	42	1	3	2	48	4
56 920	1.3	45580	1	1	39	.8	9	14230	.1	42	35	81650	730	53	29780	1544	11	90	208	870	20	4	7	1	1	105.7	121	1	2	6	518	2
56 921	.8	780	66	3	8	.3	4	36900	2.8	7	6	17630	100	1	17220	821	12	80	52	350	13	5	4	1	1	9.2	20	1	2	2	146	171
56 922	1.4	44010	1	1	13	1.2	14	22150	3.6	44	26	48790	30	41	54220	824	20	20	401	850	21	12	75	1	1	109.0	99	1	2	10	953	4
56 923	.9	16740	30	1	12	.5	19	22840	1.9	21	35	29370	110	17	16320	458	9	530	81	820	16	1	22	1	1	96.8	63	2	2	3	230	2
56 924	1.1	7900	18	1	47	.7	7	39760	2.7	25	60	42990	260	5	23160	1466	10	1030	132	760	19	5	13	1	1	41.6	89	1	2	2	143	1
56 925	1.5	10130	6	1	37	.7	7	59440	2.8	22	14	42190	1320	9	28090	2340	13	260	77	790	30	10	10	2	1	25.9	82	1	2	2	109	3
56 926	1.2	3440	1	1	19	1.0	10	87270	3.6	20	38	39700	710	2	37770	1766	19	440	106	730	23	13	1	1	1	23.4	48	1	4	2	66	36
56 927	1.1	14490	15	1	61	.7	6	40570	1.1	32	78	49670	1340	10	21100	2036	11	630	173	960	18	5	23	1	1	41.9	68	1	2	2	164	1
56 928	1.1	33690	12	1	16	.9	8	39900	2.2	30	4	46560	470	36	31280	1111	12	130	148	780	19	5	24	1	1	86.4	90	1	1	4	355	1
56 929	1.3	13470	24	1	36	.8	10	68450	2.1	24	4	37760	1270	14	35700	1799	16	130	116	530	21	10	2	1	1	31.6	58	1	3	4	258	2
56 930	1.5	26360	1	1	50	1.0	9	44610	3.0	36	63	59900	560	24	34440	1589	14	470	123	710	20	7	7	1	1	79.2	111	1	1	3	234	2
56 931	1.6	2890	1	1	11	.7	11	83490	6.2	22	6	35160	310	2	36790	2503	16	330	119	480	24	13	2	1	1	20.4	52	1	3	3	124	1
56 932	1.7	20590	1	1	169	.8	9	34080	1.9	32	50	47800	930	19	32010	1139	11	120	261	930	17	4	43	1	1	56.9	111	1	2	4	365	2
56 933	1.2	23700	85	1	21	.6	11	35890	1.4	49	10	55420	50	22	26390	1883	10	120	573	840	18	2	6	1	1	111.2	84	1	1	11	1226	1
56 934	1.4	30160	1	1	226	1.0	9	40310	2.5	31	11	49400	100	24	33380	1551	12	140	190	790	23	4	93	1	1	117.8	90	1	1	5	469	2
56 935	.9	24010	1	1	14	.6	18	13900	2.9	25	104	40130	340	14	18100	1080	9	130	120	270	18	1	1	1	1	87.6	59	1	1	2	125	2
56 936	1.3	37780	1	1	42	1.2	11	40350	2.0	33	51	55090	1330	62	30750	1118	9	200	162	1010	20	1	13	1	1	80.8	107	1	1	3	270	1
56 937	1.1	20670	28	1	9	.7	21	10180	2.9	34	147	48490	60	11	19830	622	8	230	642	280	111	9	3	1	1	103.7	100	1	4	3	194	2
56 938	.9	4640	15	1	27	.6	4	24300	3.8	40	41	41390	730	2	21030	1285	12	590	219	590	12	5	15	1	1	20.2	70	1	1	2	144	2
56 939	1.1	15770	1	1	99	.9	11	20470	4.0	25	79	41980	380	12	37810	785	16	220	152	960	15	11	14	1	1	71.3	78	1	3	4	242	1
56 940	.7	14150	1	1	19	.7	6	39800	2.6	24	30	37170	620	13	26070	1442	11	540	170	640	52	4	3	1	1	33.3	51	1	5	3	207	3
56 941	1.0	20200	1	1	23	.9	10	30480	2.1	34	5	43350	470	20	27080	1329	11	520	182	630	13	4	3	1	1	44.5	62	1	1	3	239	1
56 942	1.3	30300	1	1	28	.8	10	13610	2.1	22	57	44820	70	23	36320	870	14	250	120	610	17	7	12	1	1	93.9	91	1	2	6	547	2
56 943	.3	2480	52	1	5	.1	1	1990	.1	7	11	9930	360	2	3750	195	9	100	40	50	6	1	4	1	1	8.5	20	1	1	2	227	1
56 944	.4	550	44	1	4	.1	2	1040	.1	2	8	4110	140	1	1070	95	3	90	14	10	4	1	2	1	1	2.9	6	1	1	2	183	3
56 945	1.3	12950	1	1	7	.9	12	37500	3.8	25	21	36330	270	13	40070	845	18	250	156	610	19	12	7	1	1	52.7	61	1	2	4	318	2
56 946	.8	4250	50	1	24	.7	4	13120	2.1	31	41	42840	550	2	22320	694	11	780	131	680	17	4	11	1	1	24.6	65	1	2	2	137	1
56 947	1.5	32250	1	1	351	1.1	15	27790	3.6	30	66	45650	100	18	51150	819	21	100	185	650	36	12	48	1	1	104.2	88	1	2	6	503	2
56 948	1.2	17720	43	1	58	.7	14	60990	4.2	66	38	52350	1130	15	32920	2272	13	690	334	1770	38	9	20	1	1	56.9	108	1	3	5	498	2
56 949	1.3	11520	11	1	27	.6	10	42080	3.9	25	122	36250	430	10	37050	935	17	560	164	690	19	11	34	1	1	49.4	90	1	3	4	327	3
56 950	.9	14500	1	1	13	.8	11	28420	4.6	29	5	41510	380	15	44420	734	17	450	200	690	17	11	9	1	1	54.5	69	1	2	5	365	2
56 951	1.0	22460	31	1	39	.8	10	23520	2.2	36	52	39150	1010	21	27140	892	14	680	156	680	16	4	15	1	1	51.6	77	1	2	4	348	2
56 952	.4	2040	55	1	15	.1	1	7840	.9	8	7	11970	90	2	5540	552	3	220	34	480	4	1	6	1	1	11.2	21	1	1	3	287	11

COMP: HENRY HUTTERI
PROJ: OPAP 1
ATTN: HENRY HUTTERI/R.SPROULE

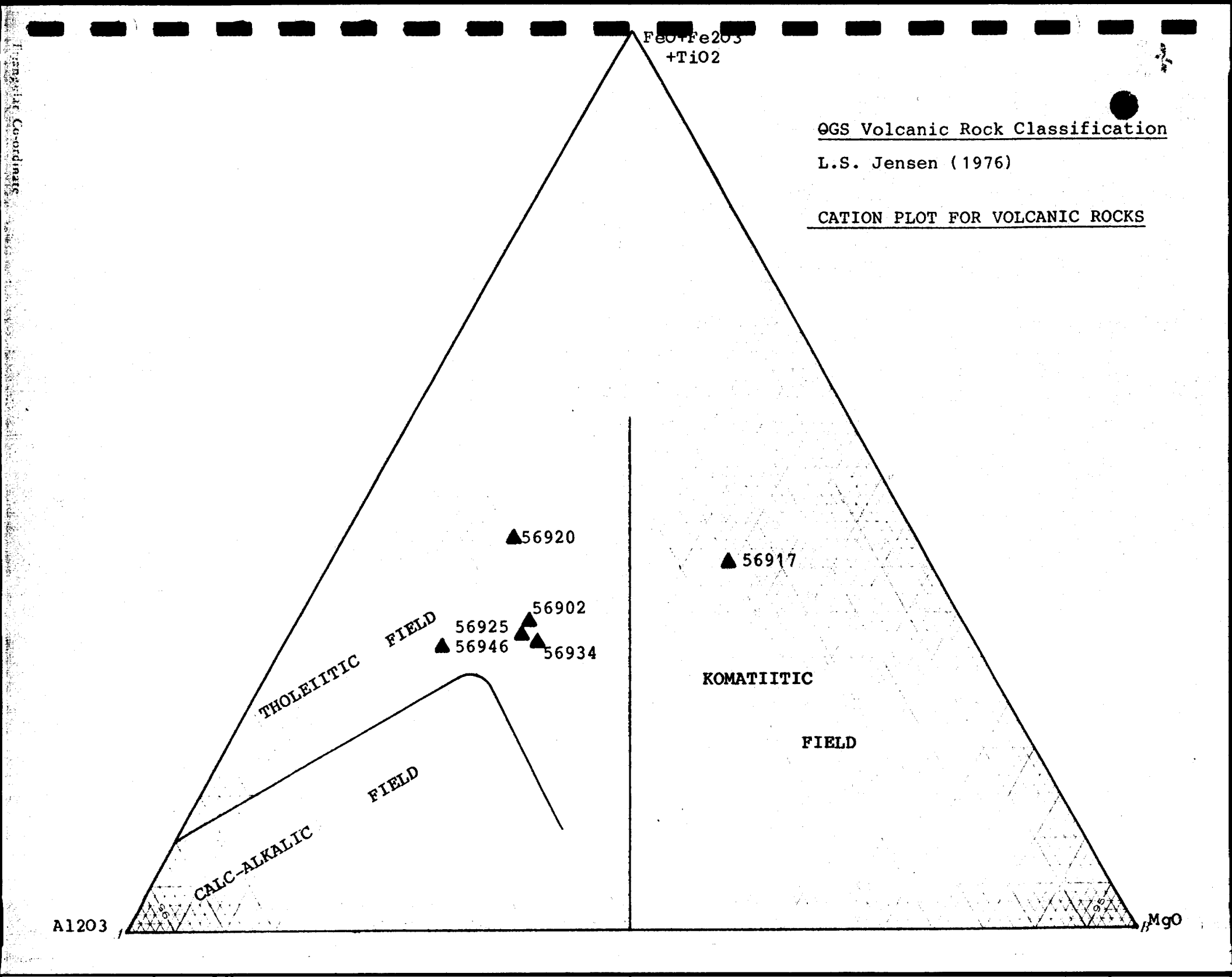
MIN-EN LABS — WHOLE ROCK ANALYSIS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9T-1073-RL1+2
DATE: [redacted]-29-89
* TYPE ROCK GEOCHEM * ([redacted]FIRE)

SAMPLE NUMBER	AL203 %	BA %	CAO %	FE203 %	K20 %	MGO %	MNO2 %	NA20 %	P205 %	SIO2 %	SR %	TIO2 %	S %	LOI %
56 902	13.37	.015	4.16	9.45	2.41	7.07	.20	2.41	.38	48.89	.020	.95	.02	9.40
56 917	5.47	.010	18.88	7.89	2.06	7.87	.55	.93	.51	25.45	.010	.37	.01	28.90
56 920	13.15	.025	2.24	12.66	2.14	5.43	.25	.35	.34	54.36	.005	1.34	.02	6.85
56 925	10.08	.025	9.96	6.76	2.66	5.19	.36	.96	.42	46.07	.010	.72	.01	15.70
56 934	11.61	.030	6.84	7.87	1.75	6.65	.25	2.89	.43	49.63	.030	.81	.01	10.00
56 946	12.24	.015	2.18	6.63	1.98	3.91	.11	3.16	.32	58.56	.010	.62	.01	9.05

APPENDIX B


FeO+Fe2O3
+TiO2
OGS Volcanic Rock Classification
L.S. Jensen (1976)
CATION PLOT FOR VOLCANIC ROCKS
56920
56917
56902
56925
56946
56934
THOLEIITIC
FIELD
KOMATIITIC
FIELD
CALC-ALKALIC
FIELD
Al2O3
MgO
50
95

L 5200 W
L 4800 W
L 4400 W
L 4000 W
L 3600 W
L 3200 W
L 2800 W
L 2400 W
L 2000 W
L 1600 W
L 1200 W
L 800 W

1128350
1128351
1128352
1128353
1128354
1128365
1128364
1128363
1128362
1128366
1128367
1128368
1128377
1128376
1128375

POND
POND
POND
BEAVER DAM

3000 S
2500 S
2000

LEGEND

- SAMPLE NUMBER AND LOCATION
- MAGNETIC ANOMALY (DIABASE)
- VLF CONDUCTOR
- CLAIM POST (LOCATION , ASSUMED LOCATION)
- ROAD

A QUARTZ-CARBONATE VEIN
B CHLORITE SCHIST
C CHLORITE-CALCITE SCHIST
D CARBONATE-CHLORITE SCHIST
E CARBONATE-SERICITE SCHIST
F SILICIFIED-CARBONATE SCHIST

THOMAS PROPERTY

MAGNETOMETER SURVEY

THOMAS TOWNSHIP, ONTARIO

SCALE 1:2400

January, 1990

LEGEND

INSTRUMENT: Geonics G-816 Proton Precession Magnetometer

PARAMETRES MEASURED: Earth's Total Magnetic Field

ACCURACY: +/- nano-teslas

DIURNALS: Corrected by Base Line Looping

CONTOUR INTERVAL: 100 nano-teslas

DATUM: 58,000 nano-teslas

210

L 5200 W
L 4800 W
L 4400 W
L 4000 W
L 3600 W
L 3200 W
L 2800 W
L 2400 W
L 2000 W
L 1600 W
L 1200 W
L 800 W

1128350
1128351
1128352
1128353
1128354
1128361
1128362
1128363
1128364
1128365
1128366
1128367
1128368
1128375
1128376
1128377

POND
POND
POND
BEAVER DAM

3000 S
2500 S
2000 S

LEGEND

INSTRUMENT: Geonics EM-16

TRANSMITTER STATION: Cutler Maine

PROFILE SCALE: 1cm = 20%

IN PHASE READINGS x x x

QUADRATURE READINGS

CONDUCTOR AXIS

POSITIVE READINGS NORTH OF LINE

N

L 1600 W
L 1200 W
L 800 W
L 400 W
L 00
L 400 E
L 800 E
L 1200 E
L 1600 E
L 2000 E
L 2400 E
L 2800 E
L 3200 E
L 3600 E
L 4000 E
L 4400 E
L 4800 E

5000 N
4500 N
4000 N
3500 N
3000 N
2500 N
2000 N
1500 N
1000 N
500 N

2000 S
1500 S
1000 S
500 S

1127997
1127998
1128354
1128355
1128356
1128357
1128358
1128359
1128360
1128361
1128368
1128369
1128370
1128371
1128372
1128373
1128374
1128375

POND
POND
POND
BEAVER DAM

BLO Az 115°

THOMAS PROPERTY
PROPERTY COMPILATION

THOMAS TOWNSHIP, ONTARIO
SCALE 1 : 2400
January, 1990

N

L 1600 W
L 1200 W
L 800 W
L 400 W
L 00
L 400 E
L 800 E
L 1200 E
L 1600 E
L 2000 E
L 2400 E
L 2800 E
L 3200 E
L 3600 E
L 4000 E
L 4400 E
L 4800 E

5000 N
4500 N
4000 N
3500 N
3000 N
2500 N
2000 N
1500 N
1000 N
500 N

2000 S
1500 S
1000 S
500 S

1128354
1128355
1128356
1128357
1128358
1128359
1128360
1128361
1128368
1128369
1128370
1128371
1128372
1128373
1128374
1128375
1127997
1127998

POND
POND
POND
BEAVER DAM

BLO Az 115°

THOMAS PROPERTY

VLF EM-16 SURVEY

THOMAS TOWNSHIP, ONTARIO

SCALE 1:2400

January, 1990