010

ANACONDA CANADA EXPLORATION LTD.

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT

KEEZHIK CREEK PROJECT

Lat 57 39' North Long 88 34'West

NTS 52P 10

Thunder Bay Mining Division
ONTARIO

By

J. Leslie Mann B.Sc.

November 1984

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SUMMARY

The Keezhik Creek property is located approximately 360 kilometers north of Thunder Bay, Ontario, near 57° 39' north latitude and 88° 34' west longitude.

The property consists of 56 unpatented claims. Sixteen claims are under option from S.S. Szetu and A.S. Baynes of Toronto. The remaining 40 claims were staked by Anaconda Canada Explorations Ltd.

The claims block covers a six kilometer strike-length along the contact between a northern sequence of mafic metavolcanic rocks and a southern sequence of lithwacke and argillite. Gold mineralization is associated with a quartz-carbonate vein in a N55E - trending shear zone within the metasedimentary sequence.

Two grids with a total of 25 kilometers of line were cut between September 28 and October 14, 1984. The property was mapped, and 74 rock samples were collected and analysed for gold and arsenic.

A Scintrex IGS-2 Integrated Geophysical System was used to run total field, magnetic gradient and VLF-EM surveys.

Samples from a trench on the shear contain 18.1 g/t Au over a width of 3.8 meters (assays cut to 31.1g). Samples of pyritized host rock contain less than 250 ppb Au.

The shear zone does not have any anomalous geophysical responce. EM anomalies appear to be related to sulfide-rich argillite horizons in the metasedimentary sequence. Samples from these horizons do not contain anomalous gold.

A diamond drilling program is recommended in the trench area to test the lateral and vertical extensions of the shear zone.

INTRODUCTION

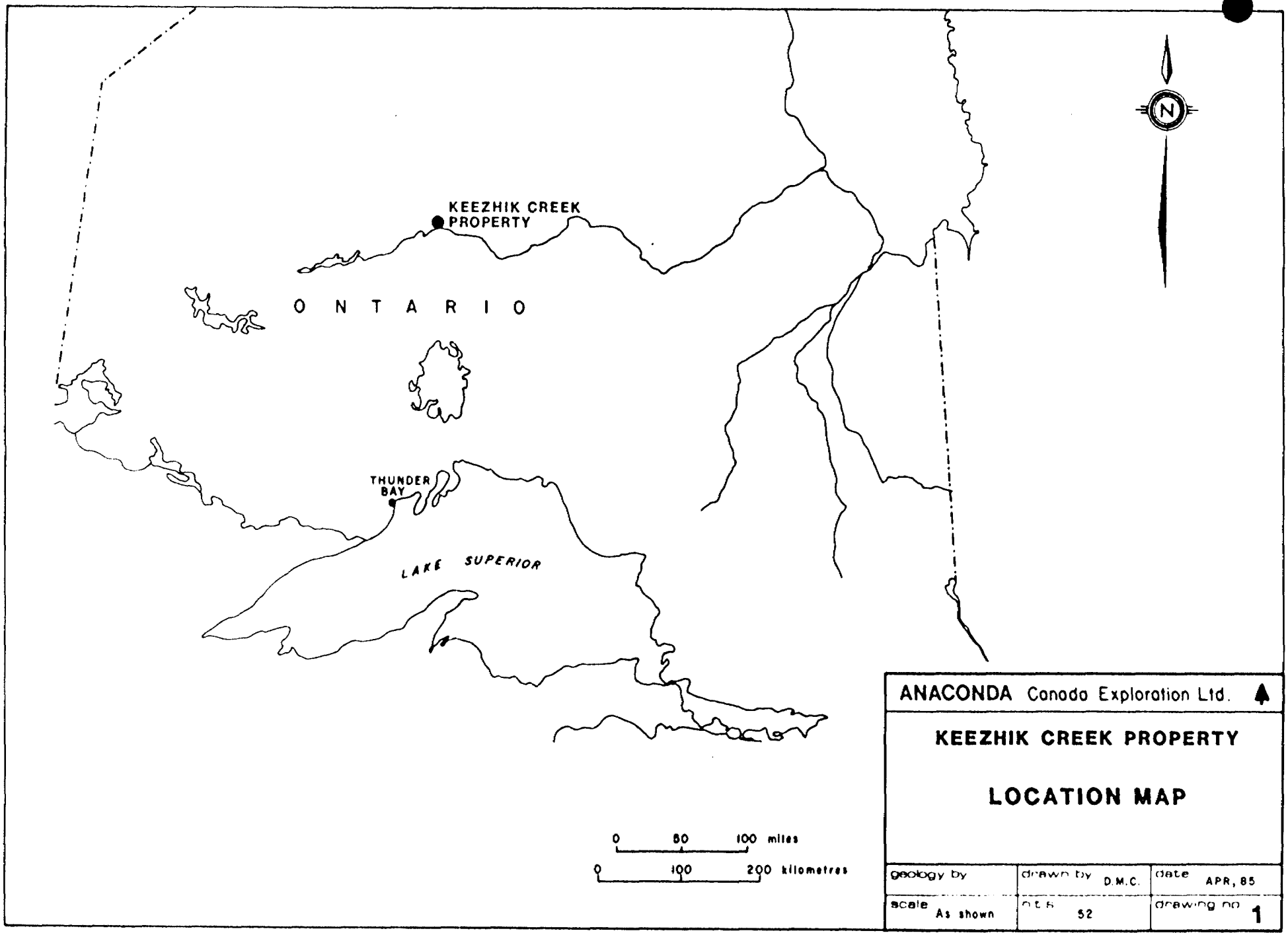
Location and Access

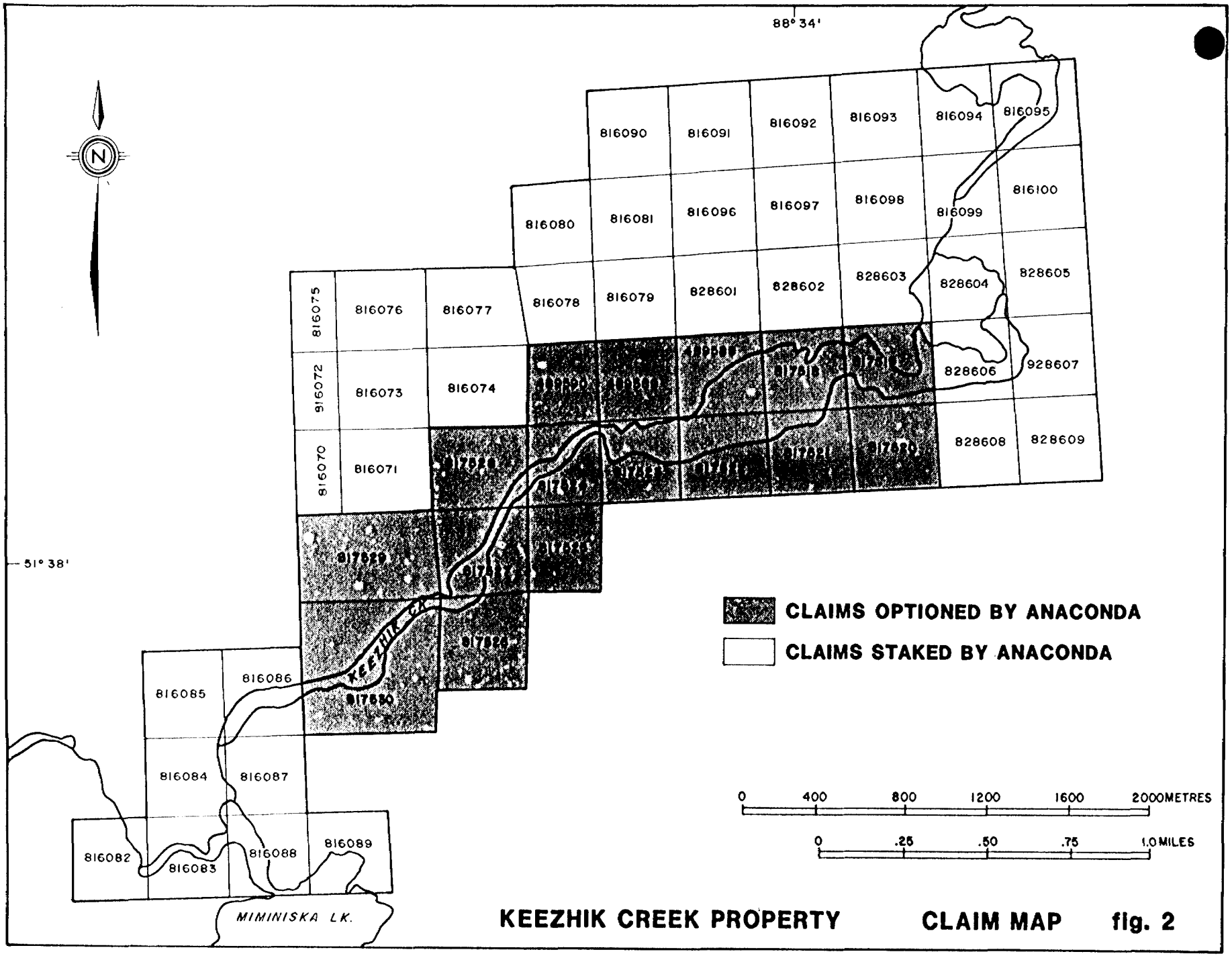
The Keezhik Creek property is located in NTS map area 52P/10 (Figure 1) approximately 360 kilometers north of Thunder Bay, Ontario. Geographic coordinates for the centre of the property are 57 39' North latitude and 88 34' West longitude. The closest towns with commercial air service are Pickle Lake, 120 kilometers to the west, Armstrong, 150 kilometers to the south, and Nakina, 220 kilometers to the southwest.

A small lake on Keezhik Creek, 1.2 kilometers long and 400 meters wide,permits Beaver aircraft to land on the property. Larger aircraft can land on Curry Bay of Miminiska Lake at the southwest end of the property.

Property Status

The property consists of 56 unpatented mining claims within the Nesting Lake Area claim sheet, Thunder Bay Mining Division (Figure 2). Sixteen claims are under option from S.S. Szetu and A.S. Bayne of Toronto. The remaining 40 claims were staked by Anaconda Canada Exploration Limited .


KEEZHIK CREEK
PROPERTY
ONTARIO
THUNDER
BAY
LAKE SUPERIOR
N
0 80 100 miles
0 100 200 kilometres
ANACONDA Canada Exploration Ltd.
KEEZHIK CREEK PROPERTY
LOCATION MAP
geology by
drawn by D.M.C.
date APR, 85
scale As shown
n.t.s.
52
drawing no 1



KEEZHIK CREEK PROPERTY CLAIM MAP fig. 2

The following table outlines claim ownership:

Ownership	Claim Nos.	No. of Claims
S.S. Szetu	489588 to 489590, inclusive	3
A.S. Bayne	817518 to 817530, inclusive	13
Anaconda	816070 to 816100, inclusive	31
Anaconda	828601 to 828609, inclusive	9

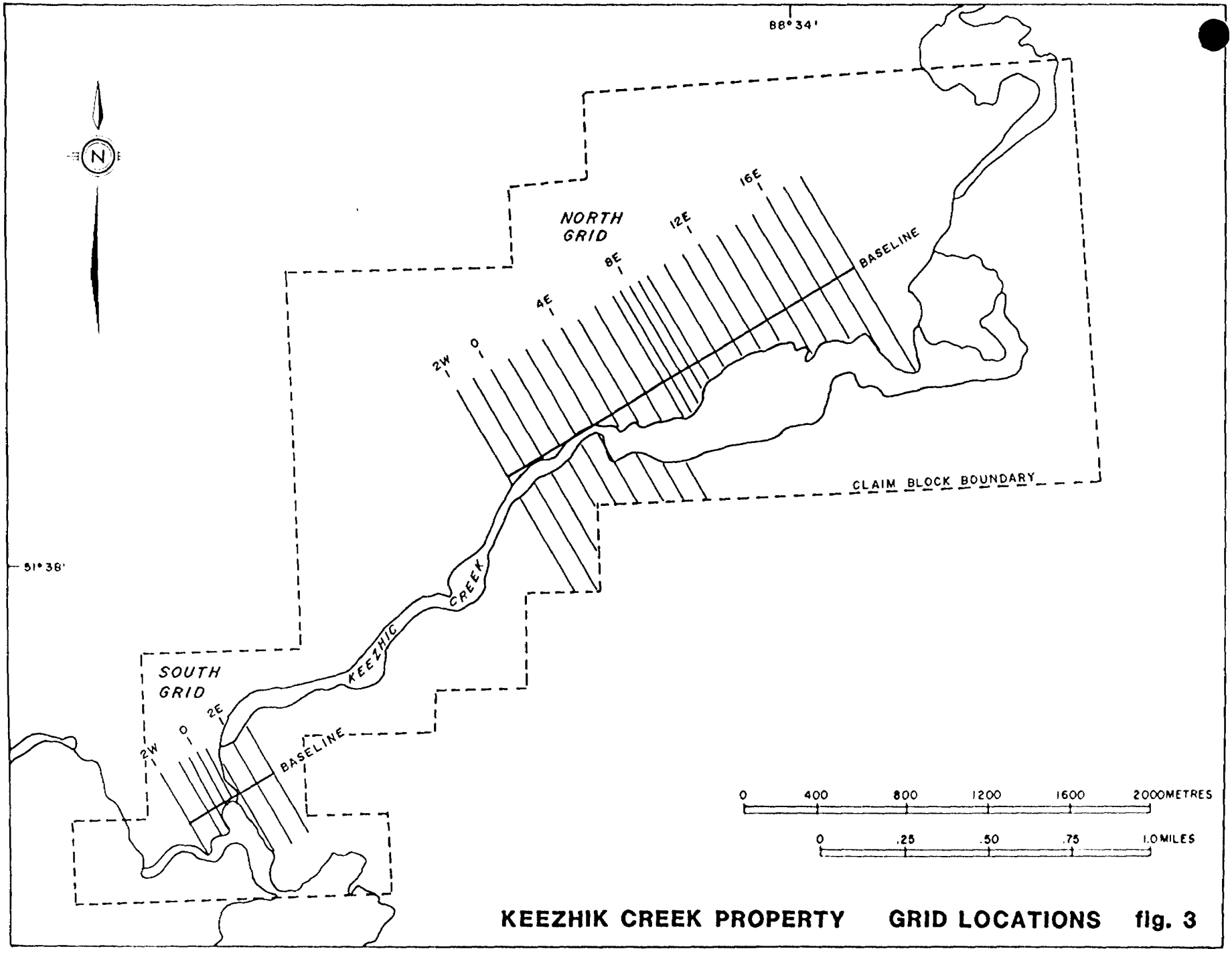
Physiography

Exposure on the property is extremely limited with a maximum of 1% outcrop. Most of the property is low lying and is covered by spruce swamp. Areas of higher ground are covered by glacial drift. Relief is less than 10 meters.

1984 Exploration

An exploration program was carried out by Anaconda on the Keezhik Creek property between September 25 and October 17, 1984. Work included staking, grid cutting, outcrop stripping, geological mapping, sampling and geophysical surveys.

A total of 25 kilometers of line was cut and 40 claims were staked between September 28 and October 14. Two separate grids were established by chain and compass; the North Grid with a two-kilometer baseline and 21.5 kilometers of line, and the South Grid with a half-kilometer baseline and 3.5 kilometers of line (Figure 3). Both baselines are oriented N 60^{o}E. A line spacing of 100 meters was used



KEEZHIK CREEK PROPERTY GRID LOCATIONS fig. 3

except in the two main areas of interest where the spacing is 50 meters. Station interval along the lines is 25 meters.

A total of 74 rock samples were collected for analysis.

Geophysical survey were conducted between October 6-15. These surveys included total field intensity magnetics, magnetic gradient, and VLF-EM using two channels (Seattle, Washington at 24.8 KHz; and Annapolis, Maryland at 21.4 KHz).

PREVIOUS WORK

The first mention of work in the Keezhik Creek property area is contained in O.D.M. Report 48, (1939), part 6, page 2 where it is reported that some thirty claims were staked on a gold-quartz vein with the "break" striking N50E. A drill program of unknown extent was apparently carried out at this time.

In 1959-1960 the northeastern part of this property was included in ground magnetic, electromagnetic, and geological surveys done by M.J. Boylen Engineering Offices subsequent to airborne geophysical surveys conducted in the region in 1959 during a search for base metal sulphides. No significant conductors or magnetic anomalies were located.

In 1961, Mr. J.C. Baker located an old trench and two drill holes 83 meters north of the shore of Keezhik Creek near the west boundary of Claim TB518918. No work was done on the showing at this time other then to establish the presence of gold. In 1962 a trenching and sampling program was conducted in the trench area.

During the period 1973-1974, detailed prospecting was carried out by A.S. Bayne & Company. Outcrops, old pits and trenches were mapped, partially cleared, and sampled.

In the winter of 1976 a magnetometer survey was performed over the three main claims of the property by J. Koski.

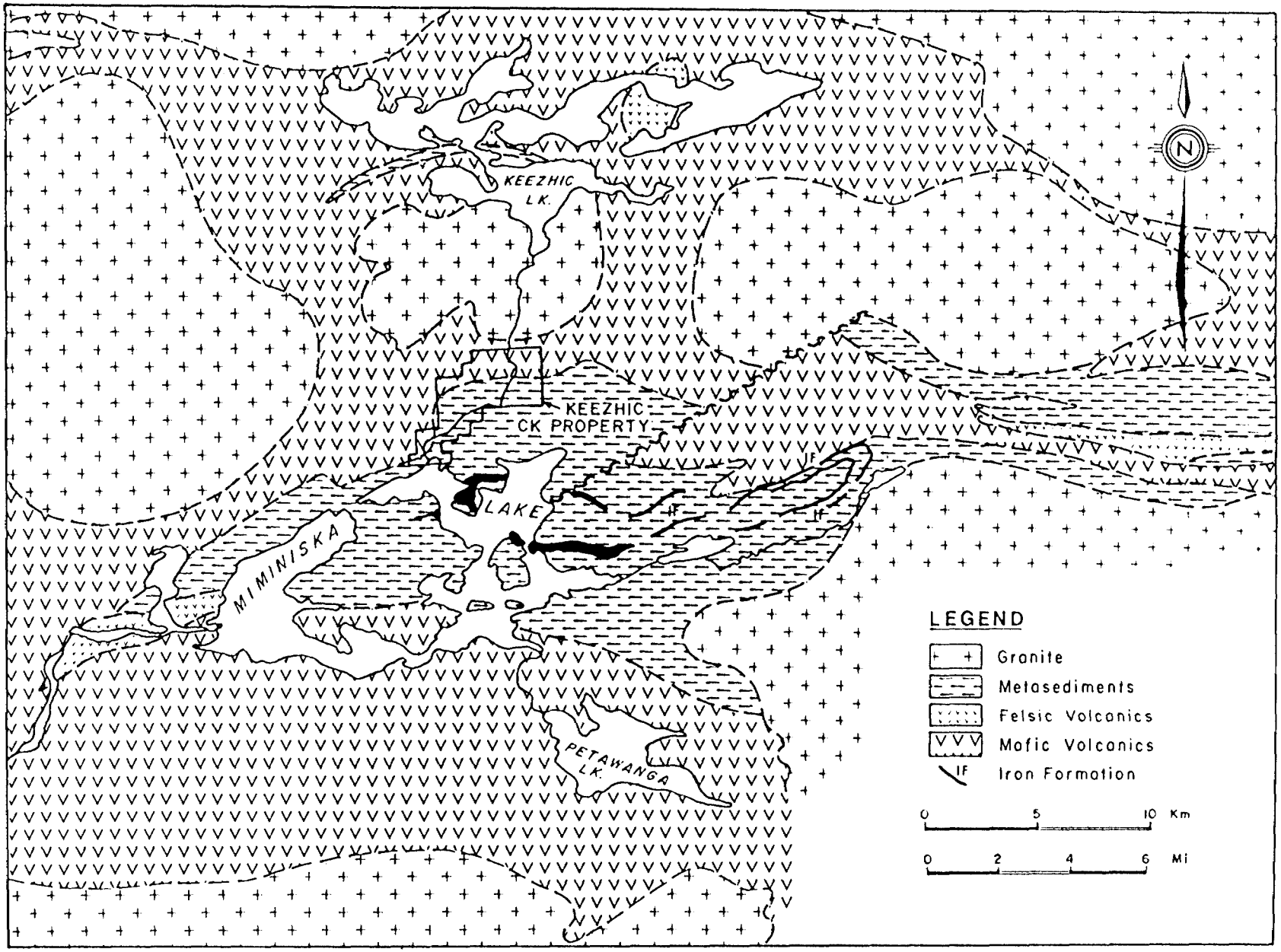
In 1981 a VLF-EM survey was conducted by M. Ogden over the same three claims.

REGIONAL GEOLOGY

The regional geology of the western portion of the Ft. Hope greenstone belt (Figure 4) has been described by Prest (1939), (1941) and Wallace (1981). In this region the belt can be subdivided into three major lithological groups; a southern metavolcanic sequence, a central metasedimentary sequence, and a northern metavolcanic sequence.

Both of the metavolcanic sequences consist predominately of pillowed and massive mafic metavolcanics rocks. A major accumulation of felsic metavolcanic rocks, located along the northwest boundary of the southern sequence, consists of fragmental rocks and their epiclastic derivatives. Smaller accumulations are present along the southern boundary of the northern metavolcanic sequence and within both the northern metavolcanic and central metasedimentary sequence adjacent to their contact.

The central metasedimentary sequence consists primarily of turbiditic greywacke-shale. In the central portion of the sequence a major accumulation of banded magnetite iron formation is present. A thin (<600 m) unit of conglomeratic and arkosic metasediments occurs between the turbiditic metasediments of the central metasediments and the northern metavolcanics.



MIMINISKA LAKE AREA REGIONAL GEOLOGY **fig. 4**

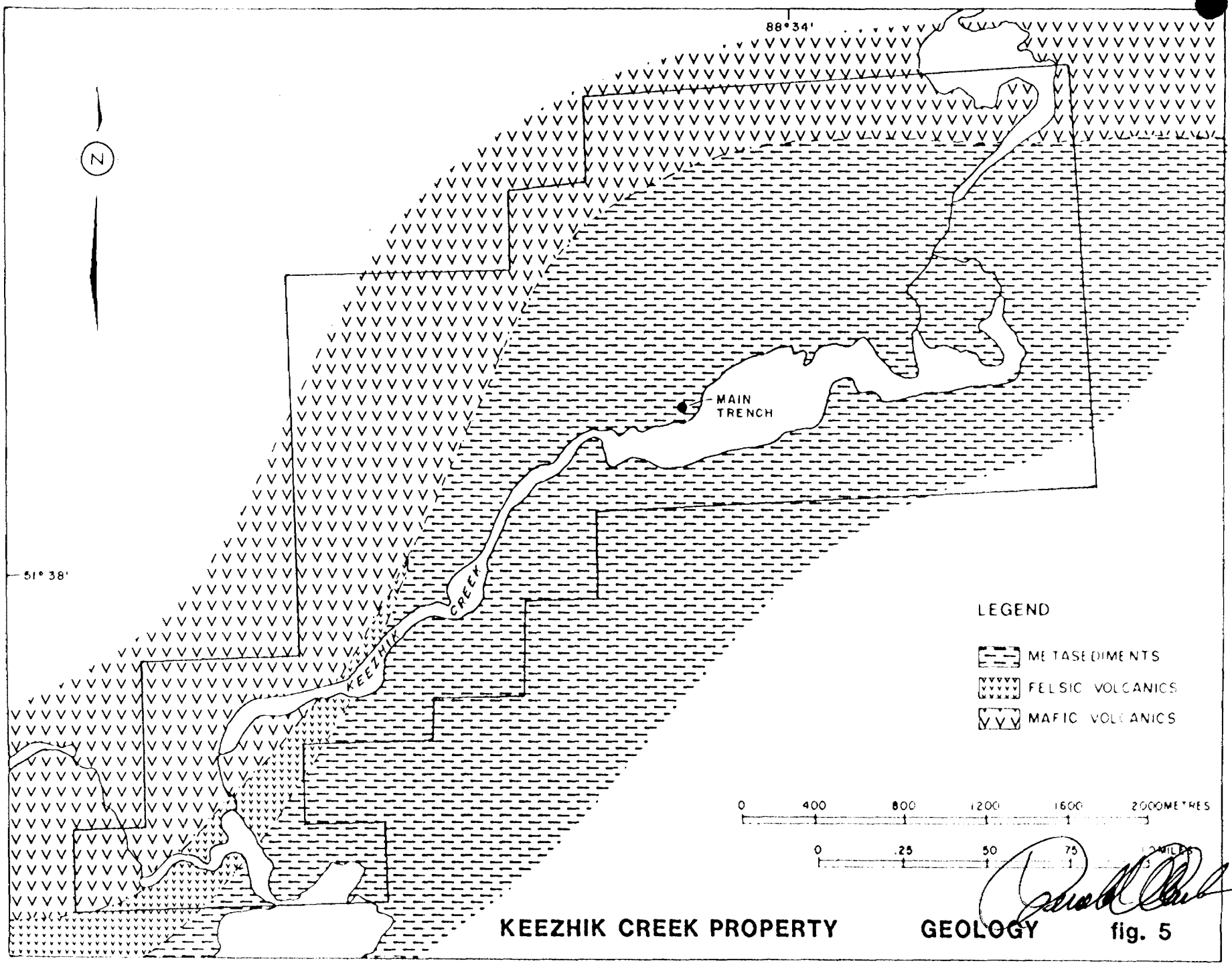
PROPERTY GEOLOGY

The Keezhik Creek property covers a six-kilometer strike length along the contact between the northern metavolcanic and the central metasedimentary sequences (Figure 5). The northern metavolcanic rocks are exposed at the southwest and northeast extremities of the property, and consist predominately of pillowed mafic flows and interflow tuffaceous horizons. Minor amounts of felsic to intermediate metavolcanic rocks are exposed at the mouth of Keezhik Creek. Mafic fragmental units also occur in this area.

Mafic metavolcanic flow units are medium green weathering, fine grained rocks forming resistant rock ridges. All observed flows are pillowed with one flow being approximately 20 meters thick. Pillows are well formed and range in maximum dimension from .25 to greater than 1 meter with selvedges from 1 to 3 cm thick. No vesicles or amygdules were observed although locally the pillows appeared to be variolitic. The variolitic units are up to a couple of meters thick and consist of dense aggregates of spherical to moderately elongated, dark grey coloured varioles from 1 to 2 mm in diameter. Tuffaceous interflow horizons range up to 3 meters in thickness and can occasionally be seen to contain lapilli sized fragments.

Fragmental units are poorly exposed. Where observed, these rocks consist of "mixed" lapilli and ash tuffs. Clast lithologies include felsic to mafic metavolcanic rocks. Rounded pyrite clasts(?) up to one centimeter diameter are also present. The matrix to the lapilli tuffs is a dark green weathering, chloritic material which forms an ash tuff where lapilli are absent. Magnetite is abundant and occurs as disseminated euhedral crystals. Minor disseminated pyrite is also present.

An unusual mafic breccia is present in the section adjacent to the "mixed" fragmental unit. This breccia is medium green to brownish white weathering and consists of fragments of mafic metavolcanics set in a



KEEZHIK CREEK PROPERTY GEOLOGY fig. 5

chlorite-epidote matrix. The matrix makes up no more than 5% of the rock. The fragments are angular in cross-section but are quite elongated perpendicular to this direction. The overall appearence is that of a tectonically produced breccia rather than a pyroclastic or volcaniclastic rock. Locally areas up to 1 meter in diameter seem to have been slightly silicified resulting in a bluish colour. Near the mouth of Keezhik Creek the silification becomes more intense and selective with the mafic fragments being preferentially silicified. This has resulted in a rock which has light gray, siliceous patches, perhaps representing the original mafic fragments, in sharp contact with a soft, dark green chloritic groundmass.

A subcropping mafic fragmental unit was observed to contain a massive, fine grained pyrite band approximately 10 centimeters wide. The band is brecciated and quartz veined with recrystallization of the pyrite adjacent to the quartz veins. Disseminated pyrite also occurrs in the adjacent fragmentals.

Felsic metavolcanic units occur interbedded with argilliceous clastic metasedimentary rocks. The felsic rocks are light yellow-white to gray coloured and consist of lapilli, quartz-eye, and ash tuffs. Lapilli fragments are mainly felsic in composition and are angular to subrounded. Quartz-eyes are present in most of the felsic rocks exposed. They are angular to subrounded and range from .5 to 2 millimeter diameter.

Pyritic felsic quartz-eye lapilli tuffs and argilliceous metasedients occurs as subcrop and float in Keezhik Creek. The lapilli tuffs are similar to those described above but contain a higher proportion of quartz-eyes and lithic fragments. In addition they contain up to 5% disseminated pyrite with the occasional occurrence of a medium green coloured mineral ("fuchsite"?). The argilliceous metasediments are gray coloured, very fine grained foliated rocks consisting of sericite, clays and up to 5% disseminated pyrite. They may represent a mixture of fine grained felsic ash and clastic sediments. Numerous massive pyritic boulders, similar to the pyrite horizon which occurs in the mafic

fragmental unit, were found in Keezhik Creek closely associated with the lapilli tuff and argilliceous metasedimentary rocks.

Metasedimentary rocks are interpreted to underlie most of the property. There are two main lithologies exposed, lithwacke and argillite.

The lithwackes are a buff to medium green coloured, medium grained to pebbly rock. Framework grains consist of granular quartz aggregates (recrystallized chert ?), quartz, feldspar, and felsic to intermediate rock fragments, with the granular quartz pebbles predominating. These grains range from .25 to 5 millimeters in diameter, are equant to elongated, and angular to subrounded. Also present is the occasional pebble up to one centimeter diameter. The matrix is composed of silt and smaller sized grains of quartz and feldspar, chlorite, and muscovite. Accessory minerals include trace to 2% pyrite, trace biotite, and trace to 1% rutile(?). Bedding is parallel to wavy, continuous, and tabular on outcrop scale with bedding thicknesses ranging from .1 to greater than 1 meter. Graded bedding is relatively common and some beds exhibit what appears to be scouring, with a pebbly basal fill.

The argillites are black to gray in colour and consist of variable proportions of clay minerals, sericite, and chlorite with a trace disseminated pyrite. Some outcrops contain a much higher proportion of sericite than others and would be more properly termed phyllites. Bedding is parallel, continuous, and tabular with bedding thicknesses ranging from less than 1 to 10 centimeters. Bedding contacts are sharp. Some beds possess a colour gradation from black to gray that seems to correspond to top directions in the graying direction.

The paucity of outcrop on the property does not permit a definitive structural interpretation. Wallace (1981) has proposed a simplistic interpretation based on meagre structural data. He proposes that the western portion of the Miminiska Lake area forms a homoclinal, north facing sequence.

Very little contradictory information was discovered. A possible south facing pillow top was found in the metavolcanics at the mouth of Keezhik Creek. To the southeast of the trench area on the south side of Keezhik Creek, assessment data, filed by New Jersey Zinc, states that a south facing graded bed was intersected in drilling. These data indicate that the structure of the area is more complex then shown on O.G.S. maps. Bedding attitudes swing from N50 E in the southwestern part of the property, to east in the central and northern part with foliations parallel to bedding. No major fold closures are indicated and the south facing directions are probably the result of minor drag folding related to a more regional structure.

ECONOMIC GEOLOGY

Rock chip sample locations are shown on Figures 7 and 12. Geochemical values for gold and arsenic are listed in Tables 1 and 2.

To date there are two areas of economic interest, the trench zone and the mouth of Keezhik Creek. The trench zone is located at L775E/125S of the North Grid. Exposure of the zone is limited as it occurs on the flank of a low drift-covered outcrop and extends to the southwest into a low area where it is obscured by drift. Stripping has exposed the northwest termination of the zone on surface but it is open to the southwest.

The trench zone consists of rusty weathering, pyritized argillites and wackes cut by foliation-parallel quartz veins and stringers which strike N55 E/85 NW and appear to plunge steeply (80-85) to the southwest. The zone has a width of approximately 3.5 meters and lenses out over a distance of 3 meters towards the northeast with an abrupt decrease in the amount of quartz veining and a gradual narrowing of the surrounding pyritized wall-rocks.

TABLE 1

Gold and arsenic values in rock chip samples from the north grid area.

Sample No.	Au (oz/ton)*	As (ppm)
12		39
13		9
14		19
15	0.002	86
16	0.004	424
17	0.001	120
20		4
21		23
22		27
23		3
24	0.008	>2000
25		1880
26		27
27		27
28		31
29		64
30		33
31	0.007	149
32		110
33	0.001	180
34	0.019	150
35	0.050	132
36	0.005	69
37		16
38		23
39	0.002	440
40	0.001	17
41		4

42		2
43		2
44		7
66		
67		328
68		11
69		5
70	0.049	21
71		7
72		9
73		<2
74		2
75		14
76		16

*<0.001 unless otherwise noted.

TABLE 2

Gold and arsenic values in rock chip samples from the south grid area.

Sample No.	Au	As (ppm)
02		
03		
04		
05		
06		
07		
08		11
09		29
10		
11		
18		
45		150
46		25
47		6
48		<2
49		17
50		13
51		17
52		88
53		30
54	0.007	188
55		98
56		118
57		
58		
59		
60	0.004	
61		
62		

63	26
64	30
65	34

Rock chip samples were collected by Anaconda from the northeast end of the trench and from the adjacent stripped outcrop (Figure 6). A random grab sample of loose rock fragments from the side of the trench was also collected.

The weighted assay value across the end of the trench is 18.1 g/t Au (0.53 oz/t) over 3.8 meters, cut to 31.1g (1.0 oz). Results from previous sampling by A.S. Bayne showed 15.8g/t Au (0.5 oz/t) over 4.1 meters. The random grab sample, which was collected along a 10 meter length of the trench, contains 3.1g/t Au (0.09 oz/t).

Arsenic ranges from 150 to 350 ppm in association with the high gold values. Pyritized wall-rock, without quartz veining, contains gold in the 30 to 250 ppb range with arsenic concentrations ranging from 70 to 180 ppm.

Mapping in the area has revealed that the trench zone outcrop lies in a zone of locally rusty weathering, pyritized argillites with foliation-parallel quartz stringers. The zone has a minimum width of 50 to 60 meters and appears to trend approximately N80 E, but, due to a lack of outcrop in the area, both the overall extent and orientation of the zone is unknown. Geochemically, these rusty weathering zones are characterized by gold and arsenic in the 30 to 135 ppb and 20 to 440 ppm ranges respectively. Outside of this zone the sediments contain less than 30 ppb Au and 20 ppm As.

The second area of interest lies near the mouth of Keezhik Creek. Here a variety of felsic metavolcanic and argillaceous metasedimentary rocks is exposed along the contact between the northern metavolcanic and central metasedimentary sequences. Pyritic massive sulphide horizons occur within both "mixed" mafic and felsic fragmentals and the argilliceous metasedimentary rocks.

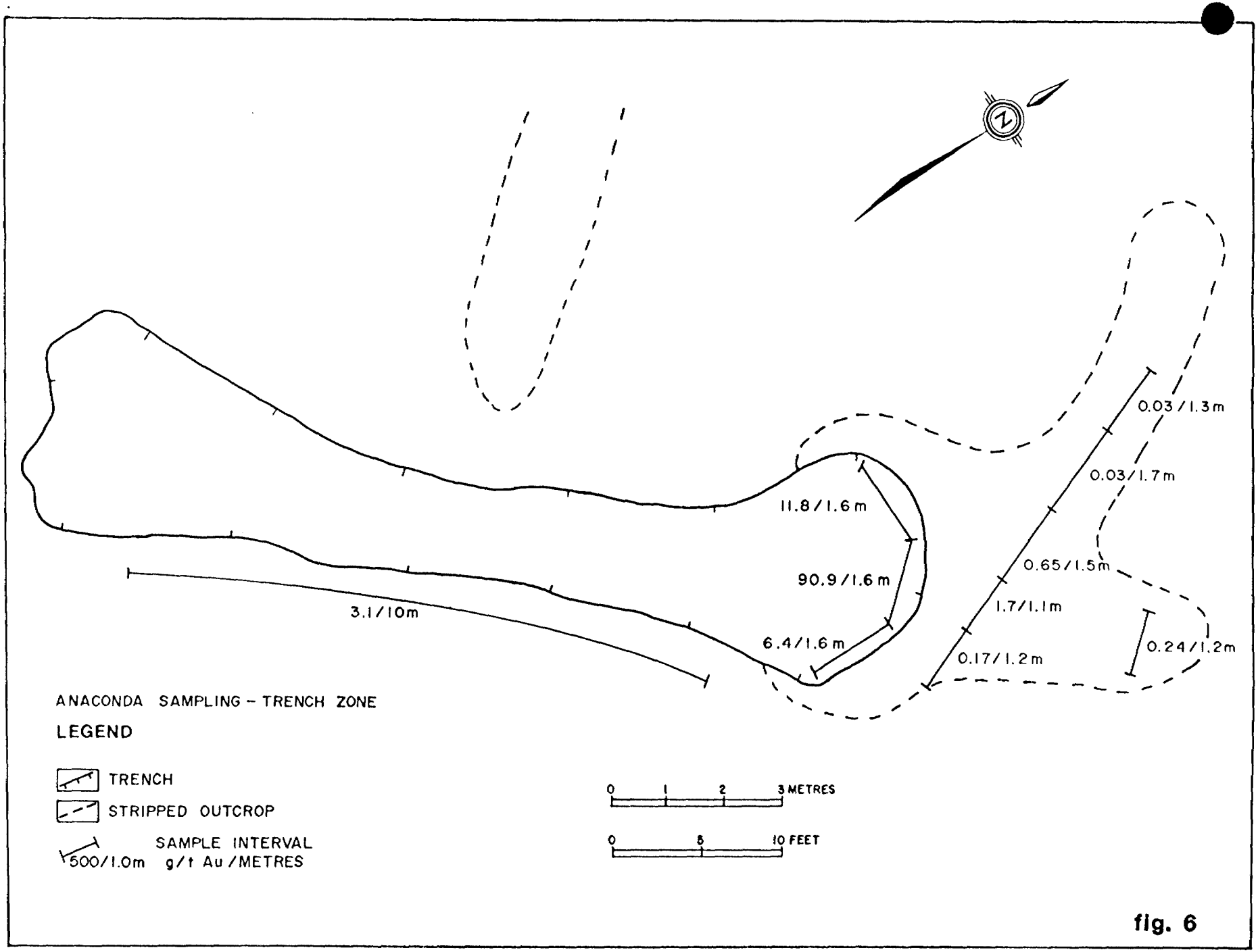

N
11.8/1.6m
90.9/1.6m
6.4/1.6m
3.1/10m
0.03/1.3m
0.03/1.7m
0.65/1.5m
1.7/1.1m
0.17/1.2m
0.24/1.2m
ANACONDA SAMPLING - TRENCH ZONE
LEGEND
TRENCH
STRIPPED OUTCROP
SAMPLE INTERVAL
500/1.0m g/t Au/METRES
0 1 2 3 METRES
0 5 10 FEET

fig. 6

Disseminated pyrite is abundant within many of the units. Silicification and quartz-carbonate veining occurs in the immediate area surrounding the mouth of Keezhik Creek. Arsenic values range from 30 to 330 ppm. Gold results are not as encouraging. Only one sample was above background at 240 ppb. No base metal sulphides were observed in the pyritic sulphide horizons.

The rocks on the Keezhik Creek property are very similar to those found at this same stratigraphic horizon on the property of Felmont Oil & Gas (formerly held by New Jersey Zinc) on which a drill program, of approximately 3,000 meters, was conducted in early 1984. Results of this program are not known.

GEOPHYSICS

A Scintrex IGS-2 Integrated Geophysical System was employed for magnetic total field, magnetic gradient, and VLF-EM geophysical surveys carried out over both the North and South Grids. The IGS-2 control console, serial no. 403223, combines both a Scintrex MP-3 Proton Magnetometer and a VLF-4 EM receiver in a single unit and enables both magnetic and VLF field measurements to be made during a single survey. A MP-3 Proton Magnetometer Base Station was employed to measure fluctuations in the magnetic field while magnetic surveys were being performed. Diurnal corrections in the magnetic data are made automatically by connecting the base station and the field unit. The base station failed near the end of the survey period with a consequent reduction in quality of the magnetic total field data. The South Grid and the portion of the North Grid south of Keezhik Creek were the areas affected. Manual diurnal corrections were made on the North Grid data by establishing a base station which was tied into the survey conducted north of the creek.

During the course of surveying the operator would return to the base station within every hour, with the maximum time span between repeat

measurements being about 2 hours. From these repeat measurements any variation in the measured magnetic field would be employed to make the diurnal corrections the usual manner.

Two VLF frquencies were employed for the EM survey. These frequencies were NLK, Seattle, Washington at 24.8 kHz and NSS, Annapolis, Maryland at 21.4 kHz. The direction to the Seattle station is approximately at right angles to the survey lines at S60W while the Annapolis station lies in a direction parallel to the survey lines at S30E.

The magnetics on the north grid show a fairly regular magnetic grain trending approximately N80E and appear to indicate that the entire grid area is underlain by metasediments. Extending north from the trench zone is a narrow (<150 m wide) relatively high magnetic zone. This zone averages about 200 to 300 gammas higher then the surrounding areas and has an irregular boundary. The zone trends about N40W and probably is related to a diabase dike.

The magnetics on the South Grid clearly indicate the contact between mafic metavolcanics of the northern metavolcanic sequence and metasediments of the central metasedimentary sequence with the mafic rocks being underlain by higher magnetics with high relief while the metasediments possess low magnetics and low relief.

VLF-EM surveys indicate the presence of conductors on both grids which appear to be related to formational conductors. On the north grid these conductors are related to the black, sulphide bearing argillites while on the south grid the conductors are related to a zone of pyritic massive sulphide horizons along the contact between the metavolcanics and the metasediments.

CONCLUSIONS AND RECOMMENDATIONS

The trench area appears to have coincident magnetic, VLF-EM, and As geochemical anomalies defining a zone that trends at about N80E.

The contact between the metavolcanics and the metasediments in the area surrounding the mouth of Keezhik Creek has felsic metavolcanics and pyritic massive sulfide horizons similar to those on the Felmont Oil and Gas property immediatly to the west. Magnetics and VLF-EM define this contact in reasonable detail on the Keezhik Creek property.

A program of diamond drilling is recommended in the trench area to trace the known vein zone which is exposed on surface and to explore the geophysical and geochemical anomalies forming the zone in which the trench zone lies.

No further work is recommended in the area of the South Grid until the results of Felmont exploration activities along this contact have been examined. At this time further geophysical surveying and diamond drilling may be warrented if Felmont results are positive.

REFERENCES

Prest, V.K.

1939:Geology of the Keezhik-Miminiska Lakes Area;Ontario Department of Mines of Mines, Vol. 48, pt.6, p.1-21. Accompanied by Map No. 48e, scale 1 inch to 1 mile.

Wallace, H.

1981:Geology of the Miminiska Lake Area, Districts Kenora (Patricia Portion) and Thunder Bay; Ontario Geological Survey Report 214, 96p. Accompanied by Maps 2416 and 2417, scale 1:31680.

CERTIFICATION

I, J.Leslie Mann of Apt. 2502, 545 Sherbourne St, Toronto, Ontario am employed as a professional geologist by Anaconda Canada Exploration Ltd. and have knowledge of the work performed per this report.

I further attest that:

1. I graduated with a B.Sc. (Geology) from University of Toronto in 1981.

2. I have been practicing my profession for the past 3 years.

J. Leslie Mann
Geologist

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

#2

52P10NE0022 2.8399 NESTING LAKE

900

File: 816084

Mining Act

in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s): Geological Survey	Township or Area: Nesting Lake Area G-342
Claim Holder(s): Anaconda Canada Exploration Ltd.	Prospector's Licence No.: T-854
Address: 1500 West Georgia Street, Vancouver, B.C. V6G 2Z6	
Survey Company: Anaconda Canada Exploration Ltd.	Date of Survey (from & to): 28 09 84 (Day Mo. Yr.) 30 11 84 (Day Mo. Yr.)
Name and Address of Author (of Geo-Technical report): J. Leslie Mann, B.Sc., Apt. 2502, 545 Sherbourne St., Toronto, Ont.	Total Miles of line Cut: Part of 15.5 mi.

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions For first survey: Enter 40 days. (This includes line cutting) For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	20
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
TB	816084	
	816087	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
JUL 31 1985
MINING LANDS SECTION

Total number of mining claims covered by this report of work.

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only		
Total Days Cr. Recorded: 40	Date Recorded: July 24/85	Mining Recorder: Audrey M. Hayes
	Date Approved: 85.10.16	Manager: D.K. Pitcher

Date	Recorded Holder or Agent (Signature)
July 22, 1985	S. S. Szetu

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
S. S. Szetu, Ph.D., P.Eng., Ste. 1101, 45 Richmond St. West, Toronto, Ontario M5H 1Z2

Date Certified	Certified by (Signature)
July 22, 1985	S. S. Szetu

1362 (81/9)

Information on File: 2.8399, TORONTO ~~Land Management~~ Land Management

Ministry of Natural Resources — Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

#436

Mining Act

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

File: 489588

Type of Survey(s): VLF Electromagnetic Survey

Township or Area: Nesting Lake Area G-3442

Claim Holder(s): ~~S.S. SZETO~~ DARIUS GOLD MINES INC.

Prospector's Licence No.: ~~A 36655~~ T1217

Address: 36 Whittaker Cresent, Willowdale, Ontario M2K 1K8

Survey Company: Anaconda Canada Exploration Ltd.

Date of Survey (from & to): 28 Day | 9 Mo. | 84 Yr. | 30 Day | 11 Mo. | 84 Yr.

Total Miles of line Cut: Part of 15.53 miles.

Name and Address of Author (of Geo-Technical report): J. Leslie Mann, B.Sc. Apt. 2502, 545 Sherbourne St., Toronto, Ont.

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions: For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	~~20~~ *
	Geophysical - Magnetometer	10
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	
Man Days: Complete reverse side and enter total(s) here	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	
Airborne Credits: Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
TB	489588	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

* Maximum Geophysical credits reached

Total number of mining claims covered by this report of work:

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
10	Sept. 24/85	Sigdens M. Hayes
	Date Approved as Recorded: 85.10.16	Branch Director: R. Robert

Date: Sept. 20, 1985

Recorded Holder or Agent (Signature): S. S. Szeto

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: S. S. Szeto, Ph.D., P.Eng., Suite 1101, 45 Richmond St. W. Toronto Ontario, M5H 1Z2

Date Certified: Sept. 20, 1985

Certified by (Signature): S. S. Szeto

1362 (81/9)

1985 10 08

Your File: 289, 290 & 291
Our File: 2.8399

Mining Recorder
Ministry of Natural Resources
P.O. Box 5000
Thunder Bay, Ontario
P7C 5G6

Dear Madam:

RE: Notice of Intent dated September 18, 1985
Geophysical (Electromagnetic & Magnetometer)
Surveys on Mining Claims TB 489589, et al,
in the Nesting Lake Area

The assessment work credits, as listed with the above-mentioned Notice of Intent, have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

DK/mc

cc: S.S. Szetu
36 Whittaker Crescent
Willowdale, Ontario
M2K 1K8

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Encl.

cc: S.S. Szetu
Suite 1101
45 Richmond Street West
Toronto, Ontario
M5H 1Z2

cc: Resident Geologist
Thunder Bay, Ontario

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.8399

Date 1985 09 18

Mining Recorder's Report of Work No. 289

Recorded Holder
S.S. SZETU

Township or Area
NESTING LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	
Magnetometer 20 days	TB 489589-90
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

10 days Magnetometer

TB 489588

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19) — 60:

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.8399

Date 1985 09 18

Mining Recorder's Report of Work No. 290, 291

Recorded Holder
ANACONDA CANADA EXPLORATION LIMITED, A.S. BAYNE

Township or Area NESTING LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	TB 816074
Electromagnetic 29 days	816078-79
Magnetometer 14.3 days	816083-84
Radiometric ____ days	816087-88
Induced polarization ____ days	816096-97
Other ____ days	828601 to 03 incl
Section 77 (19) See "Mining Claims Assessed" column	817518-19
Geological ____ days	817523 to 25 incl
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☒ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60:

828 (83/6)

Ministry of Natural Resources

Ontario

Oct 3/85

1985 09 18

Your File: 289,290 & 291
Our File: 2.8399

Mining Recorder
Ministry of Natural Resources
P.O. Box 5000
Thunder Bay, Ontario
P7C 5G6

Dear Madam:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

S.S. Szetu called on 85-09-20.
- will be filing new Report of Work for 20 days EM on claim TB 484588.
- information is on this file. I had asks the claim holder to make note of file # on Report of Work R

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

R.D.F. D. Kinvig:mc

Encls.

cc: S.S. Szetu
36 Whittaker Crescent
Willowdale, Ontario
M2K 1K8

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

cc: S.S. Szetu
Suite 1101
45 Richmond Street West
Toronto, Ontario
M5H 1Z2

-1 / R. of W. to sign.

845

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1985 09 18

2.8399/289,290 & 291

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Land Management Dept 12 T

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

#291

Mining Act

File: 816074

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s): Magnetic+Electromagnetic Surveys	Township or Area: Nesting Lake Area G-342
Claim Holder(s): Anaconda Canada Exploration Ltd.	Prospector's Licence No.: T-854
Address: 1500 West Georgia Street, Vancouver, B.C. V6G 2Z6	
Survey Company: Anaconda Canada Exploration Ltd.	Date of Survey (from & to): 28 09 84 (Day Mo. Yr.) 30 11 84 (Day Mo. Yr.)
Name and Address of Author (of Geo-Technical report): J. Leslie Mann, B.Sc., Apt. 2502, 545 Sherbourne St., Toronto, Ont.	Total Miles of line Cut: Part of 15.5 mi.

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions: For first survey: Enter 40 days. (This includes line cutting) For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Electromagnetic	40
	Geophysical - Magnetometer	20
	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	
Man Days: Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	
Airborne Credits: Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
TB	816074	
	816078	
	816079	
	816083	
	816084	
	816087	
	816088	
	816096	
	816097	
	828601	
	828602	
	828603	
	(including partial coverage)	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
JUL 31 19
MINING LANDS SECTION

See revised work statement

Total number of mining claims covered by this report of work: 12

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
720	August 1/85	Audrey M. Kluss, Branch Director

Date	Recorded Holder or Agent (Signature)
July 22, 1985	S. S. Szetu

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: S. S. Szetu, Ph.D., P.Eng., Ste. 1101, 45 Richmond St. W., Toronto, Ont. M5H 1Z2

Date Certified	Certified by (Signature)
July 22, 1985	S. S. Szetu

1362 (81/9)

#290 Land Management Sept 12

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

2.8297

Mining Act

Instructions: ~~Please type or print.~~
- If number of mining claims traversed exceeds space on this form, attach a list.

Note:
- Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

File: 817518

Type of Survey(s): Magnetic and Electromagnetic Surveys	Township or Area: Nesting Lake Area G-342
Claim Holder(s): A. S. Bayne	Prospector's Licence No.: C 28756
Address: 45 Strathallan Boulevard, Toronto, Ontario M5N 1S8	
Survey Company: Anaconda Canada Exploration Ltd.	Date of Survey (from & to): 28 09 84 (Day / Mo. / Yr.) — 14 10 84 (Day / Mo. / Yr.)
Name and Address of Author (of Geo-Technical report): J. Leslie Mann, B.Sc., Apt. 2502, 545 Sherbourne St., Toronto, Ontario	Total Miles of line Cut: Part of 15.5 mi.

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions: For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	40
	Geophysical - Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	
Man Days: Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	
Airborne Credits: Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
TB	817518	
	817519	
	817523	
	817524	
	817525	
	(Including partial	
	coverage)	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
JUL 30 1985
MINING LANDS SECTION

See revised work statement

Total number of mining claims covered by this report of work: 5

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
300	July 24 '85	Audrey M. Hayes

Date	Recorded Holder or Agent (Signature)
July 22, 1985	

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: S.S. Szetu, Ph.D., P.Eng., Ste.1101, 45 Richmond St. W., Toronto, Ont. M5H 1Z2

Date Certified	Certified by (Signature)
July 22/85	

1362 (81/9)

Land Management Dept 13 VR

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

#289 [illegible]

Mining Act

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

File: 489588

Type of Survey(s)	Township or Area
Magnetic Gradient Survey	Nesting Lake Area G-342

Claim Holder(s)	Prospector's Licence No.
S. S. SZETU	A 36655

Address: 36 Whittaker Crescent, Willowdale, Ontario M2K 1K8

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
Anaconda Canada Exploration Ltd.	28 Day | 09 Mo. | 84 Yr. | 30 Day | 11 Mo. | 84 Yr.	Part of 15.53 mi.

Name and Address of Author (of Geo-Technical report): J. Leslie Mann, B.Sc., Apt. 2502, 545 Sherbourne St., Toronto, Ont.

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
TB	489588	
	489589	
	489590	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
JUL 31 1985
MINING LANDS SECTION

See reverse side for work statement.

Total number of mining claims covered by this report of work: 3

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only		
Total Days Cr. Recorded	Date Recorded	Mining Recorder
60	[illegible]	Audrey M. Hayes

Date	Recorded Holder or Agent (Signature)
July 22, 1985	S. S. Szetu

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: S. S. Szetu, Ph.D., P.Eng., Suite 1101, 45 Richmond St. W., Toronto, Ontario M5H 1Z2

Date Certified	Certified by (Signature)
July 22, 1985	S. S. Szetu

1362 (81/9)

CANA EXPLORATION CONSULTANTS LIMITED
SUITE 1101, 45 Richmond Street West
TORONTO, ONTARIO, CANADA M5H 1Z2

S. S. SZETU, Ph.D., P.Eng.,
CONSULTING GEOLOGIST

TELEPHONE
(416) 364-2845

August 30, 1985

Mining Land Section
Ministry of Natural Resources
Room 6610
Whitney Block
Queen's Park
Toronto, Ontario
M7A 1W3

Attention: Mr. Ray Richette and
Mr. Douglas Sherwood

Dear Sirs:

Re: Assessment Work Reports for Claims Nos.
TB-489588, -89, -90; 817518, -19,-23, -24, -25;
816074, -78, -79, -83, -84, -87, -88, -95, -97,
828601, -02, -03; 816084, -87.

Enclosed herewith please find two copies of report by J. L. Mann on work done on the above claims. All maps were signed by Dr. Gerald G. Carlson, Exploration Manager, Anaconda Canada Exploration Ltd.

Also attached to each copy of Mann's report are copies of four Report of Work forms filed with the Mining Recorder at Thunder Bay, July 24, 1985. The file numbers are: 489588, 817518, 816074 and 816084.

We appreciate very much your telephone discussions regarding the filing of these work reports. Thank you sincerely for your assistance in this matter.

RECEIVED
AUG 30 1985
MINING LANDS SECTION

Yours very truly,

CANA EXPLORATION CONSULTANTS LIMITED

S. S. Szetu, Ph.D., P.Eng.

SSS:TP

Encs.

(2)

Mining Lands Section

File No 28399

Control Sheet

TYPE OF SURVEY

✓ GEOPHYSICAL

✓ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

Lgd.

Signature of Assessor

Date

L.D.

	Rec.	M.	Geol.		Mag.	E.M.	Geol.	2.8399		
VB-816074	(1/4) 1/8			817518	1/2					
816078	3/4			817519	3/4					
816079	1/4			817523	>1/4	6 M.		7/4		
816083	3/4			24	~✓	&				
816084	✓		✓	817525	1/4	9		(20×5)÷(5+7/4) =	14.81	
816087	1/4	M.	✓	489588	~1/2				days Mag.	
816088	3/4	M.		89	✓					
816096	3/4	as		489590	✓					
816097	3/4	Same								
828811	✓									
02	✓									
828803	~~3/4~~									
	20/4									
				R. of W. # 291+290						
				Combined:						
(20×12)÷(12+28/4)				(20×17)÷(17+28/4+7/4)						
= 14.12 days Mag.				= 14.32 days Mag.						
+ 28 days E.M.				+ 29 days E.M.						

D. K.

NORTH BAY (KEEZHIK LAKE) G-347

88°45' 44' 43' 42' 41' 40' 39' 38' 37' 36' 35' 34' 33' 32' 31' 88°30'

51°45' 44' 43' 42' 41' 40' 39' 38' 51°37'30"

KEEZHIK L.

SOUTH BAY

NESTING L.

TROUTFLY

TROUTFLY LAKE G-437

FERGUSON LAKE G-249

MIMINISKA LAKE G-332

52P10NE0022 2.8399 NESTING LAKE

200

REFERENCES

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 8, 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)

AREA

NESTING LAKE

M.N.R. ADMINISTRATIVE DISTRICT

GERALDTON

MINING DIVISION

THUNDER BAY

LAND TITLES / REGISTRY DIVISION

KENORA / PATRICIA

Ministry of Natural Resources — Land Management Branch

Ontario

Sept. 11/81 Aug 2/84

Date JULY 1971

Number G-342

816085
816082
816086
817530
816084
816083
816087
816088
816089

KEEZHIK CREEK

TROUTFLY CREEK

CURRY BAY

200 W
100 W
50 W
0
50 E
100 E
300 E
200 N
100 N
BASELINE
100 S

1b
2d
48
85°
1c
1a
1b
1a
1b
1a
1a
1b
45
46
1a
35°
49
52
50,51
53 to 62
2a,b
11
10,18
63 to 65
1b
85°
02 to 09
75°
1
2
3

LEGEND

4 MAFIC INTRUSIVE ROCKS

3 METASEDIMENTARY ROCKS
3a Argillites, phyllites
3b Wacke

2 METAVOLCANIC ROCKS
Felsic to Intermediate
2a Sericite schist and phyllite
2b Quartz-eye sericite schist
2c Lapilli tuff
2d "Rhyolite" dike

1 MAFIC ROCKS
1a Tuff
1b Lapilli tuff
1c Pillowed flows
1d Massive

outcrop or subcrop area
pit or trench
geologic contact
bedding
foliation
sample location and number

0 100 metres

28399

ANACONDA Canada Exploration Ltd.

KEEZHIK CREEK PROJECT

GEOLOGY and SAMPLE LOCATIONS

SOUTH GRID

geology by: L. M.	drawn by: D.M.C.	date: MAY, 85
scale: 1: 2000	n.t.s. 52 P/10	fig./proj. no. 12

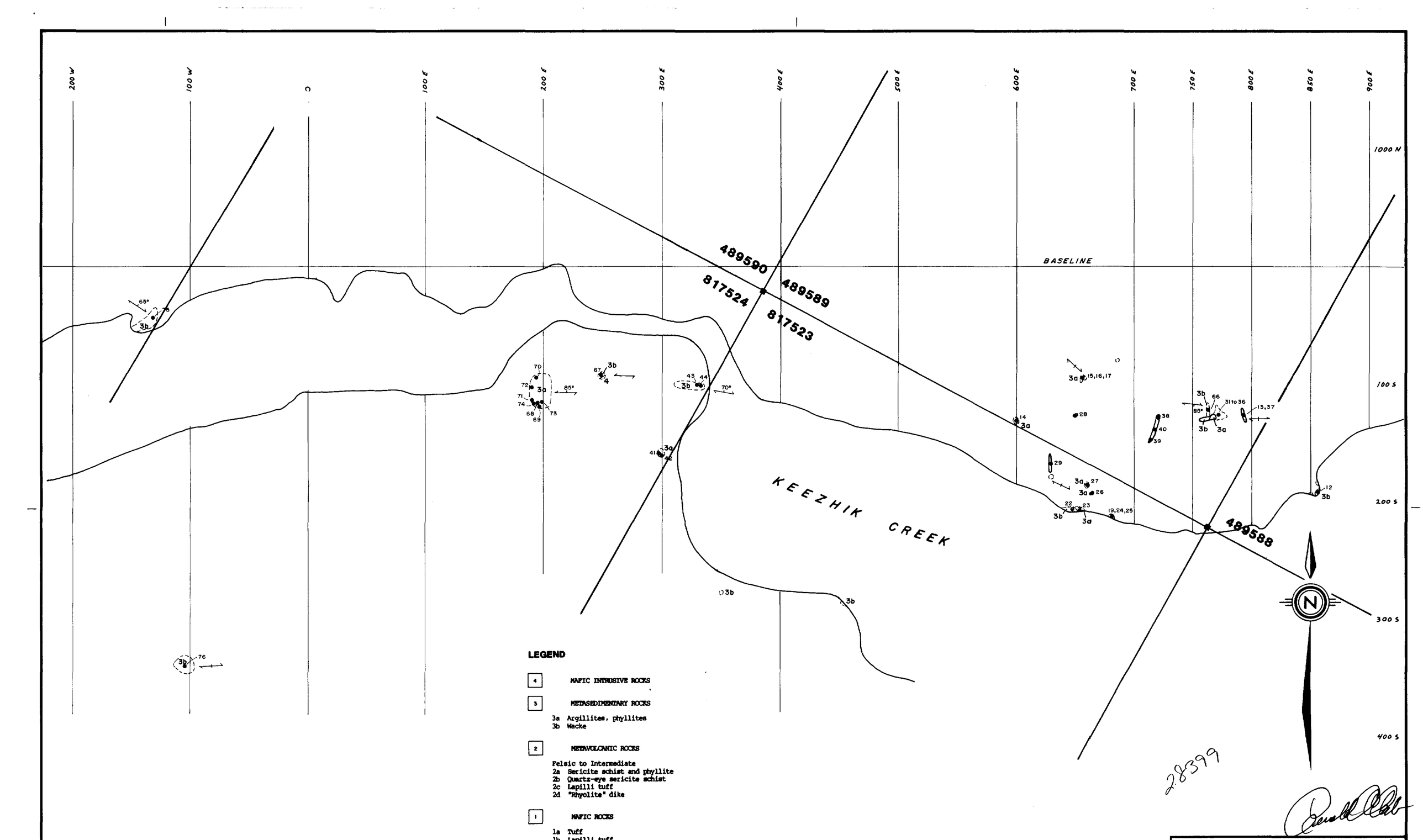
200 W | 100 W | 0 | 100 E | 200 E | 300 E | 400 E | 500 E | 600 E | 700 E | 750 E | 800 E | 850 E | 900 E

1000 N | 100 S | 200 S | 300 S | 400 S

BASELINE

489590 | 489589 | 817524 | 817523 | 489588

KEEZHIK CREEK



LEGEND

4 MAFIC INTRUSIVE ROCKS

3 METASEDIMENTARY ROCKS

- 3a Argillites, phyllites
- 3b Wacke

2 METAVOLCANIC ROCKS

Felsic to Intermediate

- 2a Sericite schist and phyllite
- 2b Quartz-eye sericite schist
- 2c Lapilli tuff
- 2d "Rhyolite" dike

1 MAFIC ROCKS

- 1a Tuff
- 1b Lapilli tuff
- 1c Pillowed flows
- 1d Massive

- outcrop or subcrop area
- pit or trench
- geologic contact
- bedding
- foliation
- •41 sample location and number

0 100 metres

28399

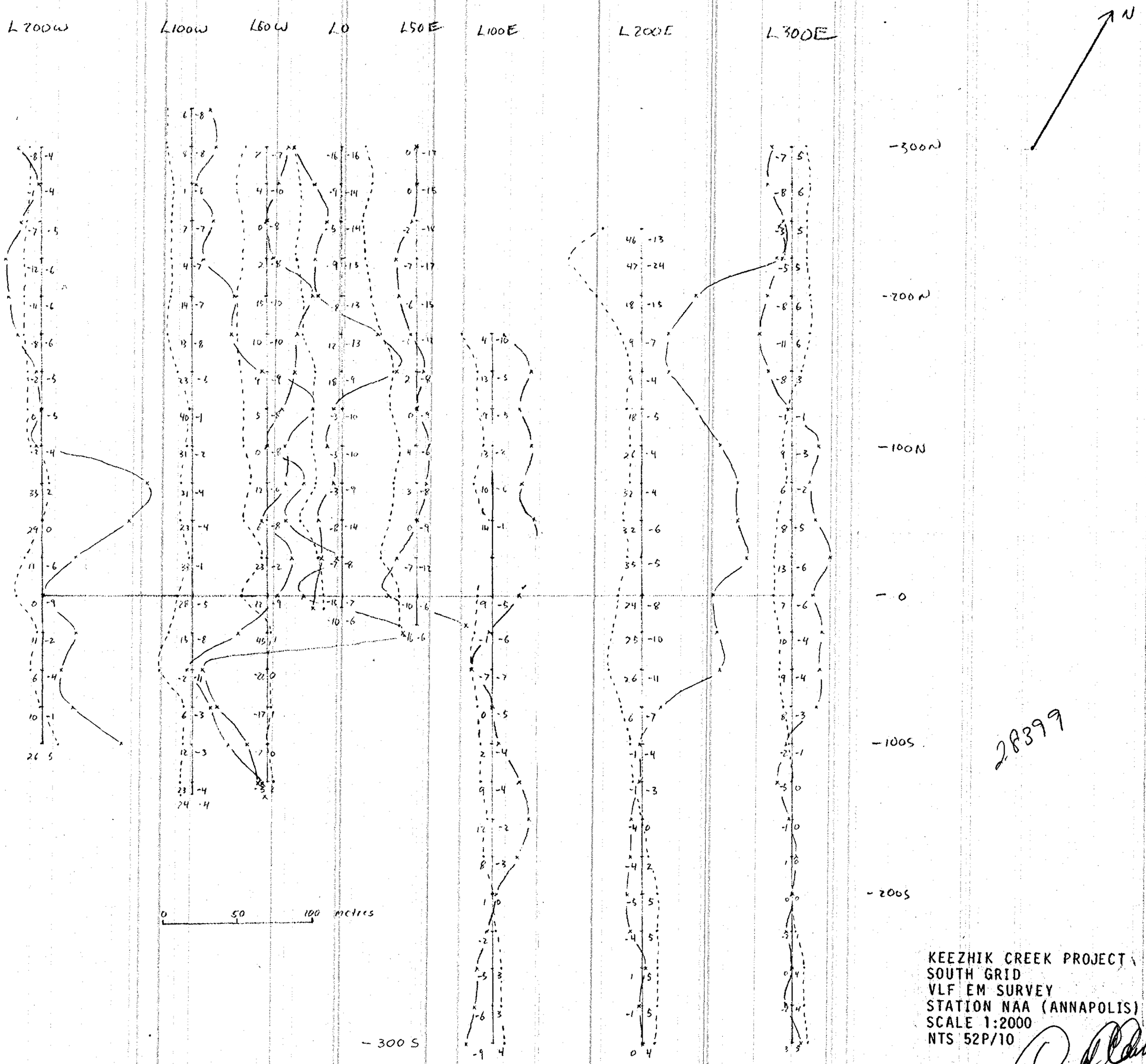
ANACONDA Canada Exploration Ltd.

KEEZHIK CREEK PROJECT

GEOLOGY and SAMPLE LOCATIONS

NORTH GRID

geology by: L. M.	drawn by: D. M. C.	date: MAY, 85
scale: 1:2000	n.t.s. 52 P/10	fig./proj. no. 7



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KEEZHIK CREEK PROJECT
SOUTH GRID
VLF EM SURVEY
STATION NAA (ANNAPOLIS)
SCALE 1:2000
NTS 52P/10

Figure 16

EXPLORATION MANAGER
ANACONDA CANADA EXPLORATION L

L200W L100W L50W L0 L50E L100E L200E L300E

N

-300N

-200N

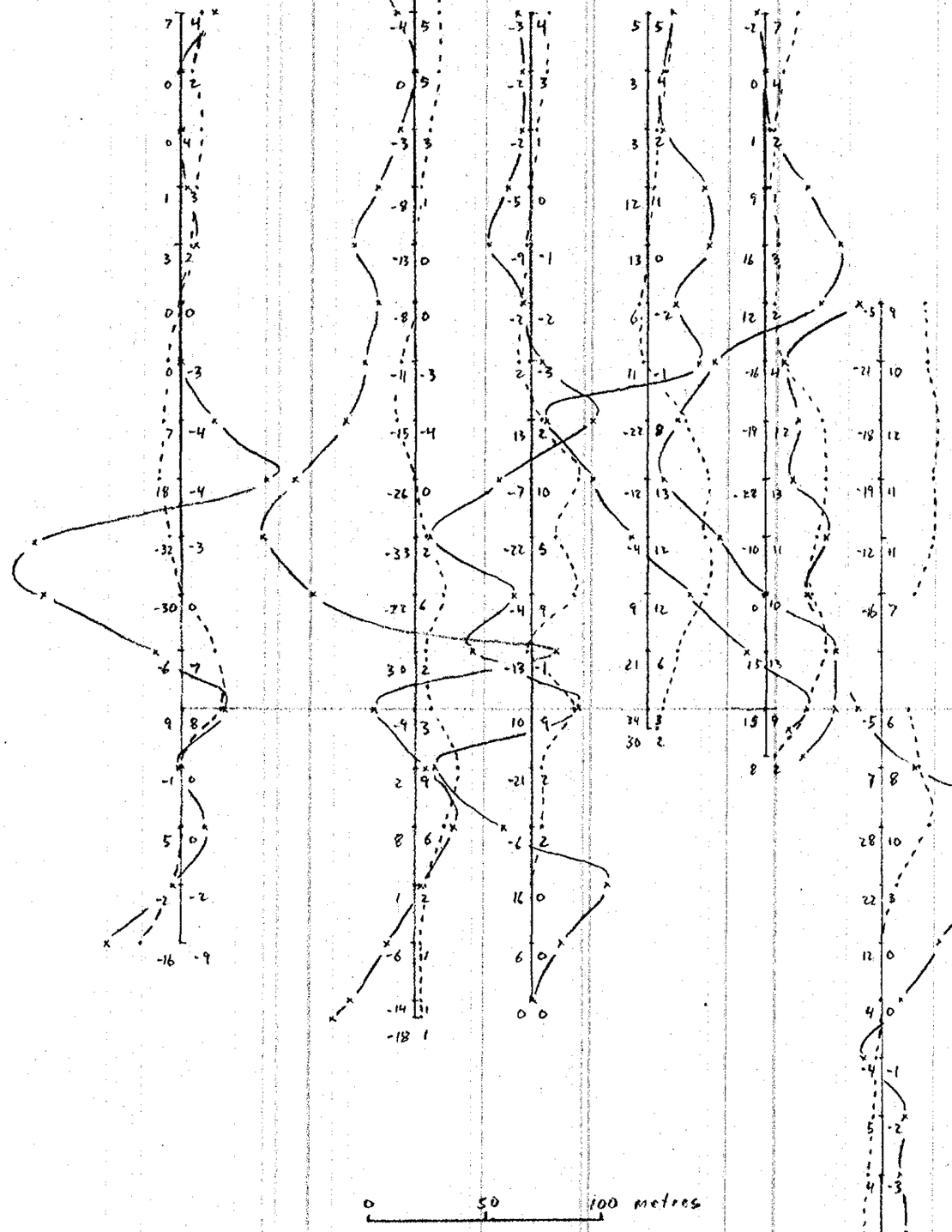
-100N

-0

-100S

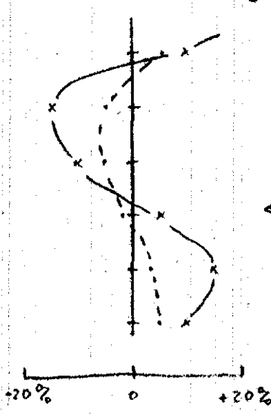
-200S

-300S



0 50 100 metres

LEGEND



← VLF Conductor Axis

+20% 0 +20%

2.8399

K——K In phase

•-------• Quadrature

KEEZHIK CREEK PROJECT
SOUTH GRID
VLF EM SURVEY
STATION NLK (SEATTLE)
SCALE 1:2000
NTS 52P/10

Figure 18

EXPLORATION MANAGER
ANACONDA CANADA EXPLORATION LTD.

L2000W L1000W L0 L100E L200E L300E L400E L500E L600E L700E L750E L800E L850E L900E L1000E L1100E L1200E L1300E L1400E L1500E L1600E L1700E L1800E

KEEZHIK CREEK

N

KEEZHIK CREEK PROJECT

NORTH GRID

VLF-EM SURVEY

STATION NSS (Annapolis, MD), 21.4 kHz

In phase

Quadrature

-20% 0 +20%

Scale 1:2000

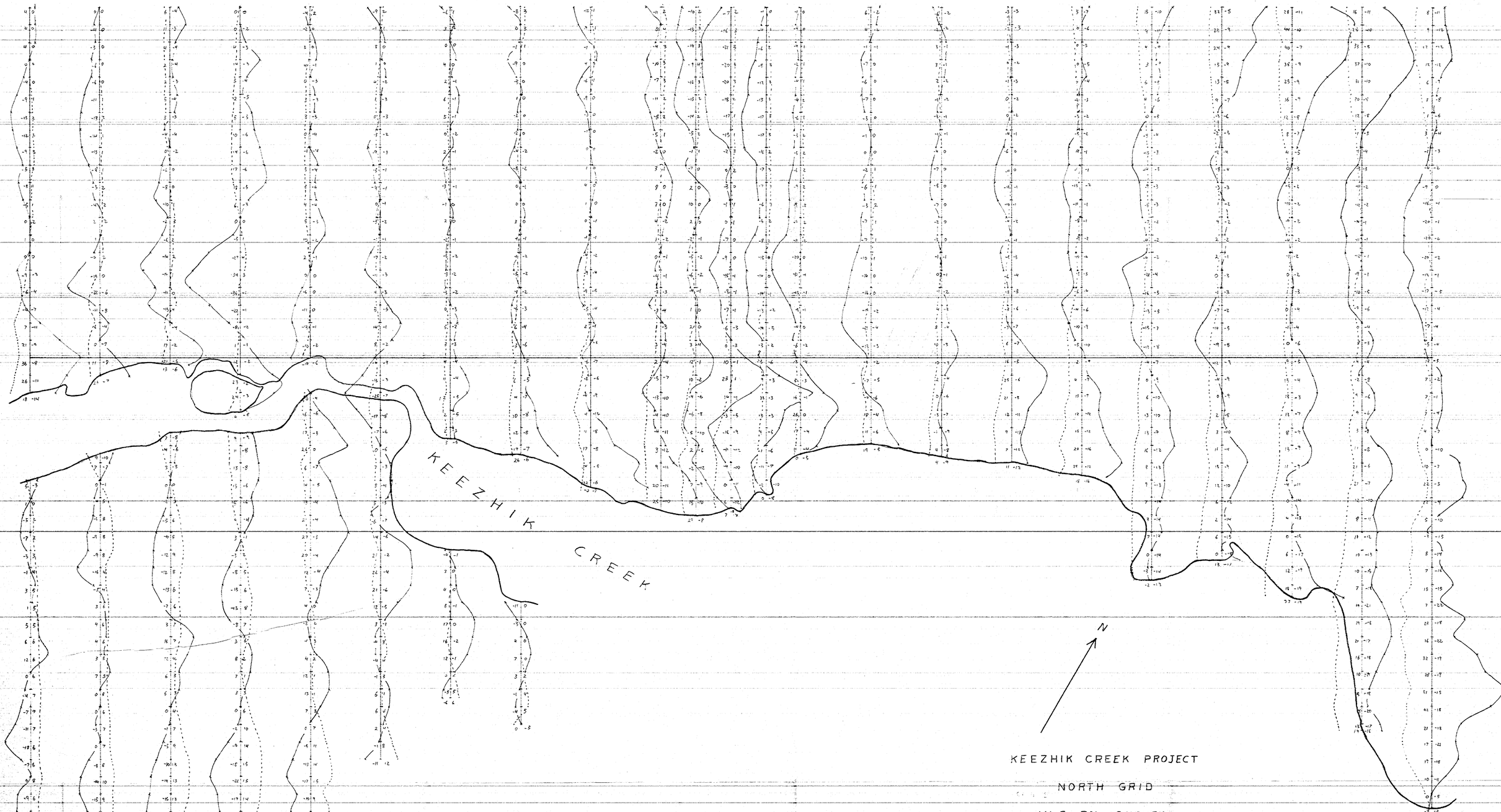
NTS 52 P/10

0 50 100 meters

28399

Figure 11

EXPLORATION MANAGER
RAGLAN CANADA EXPLORATION LTD.



KEEZHIK CREEK PROJECT

NORTH GRID

VLF-EM SURVEY

STATION NLK (Seattle), 24.8 KHz.

—x——x In phase

- - - - - - Quadrature

-20% 0 +20%

Scale 1:2000

NTS 52 P/10

0 50 100 meters

28399

Figure 10

Exploration Manager
Amoco Canada Exploration Ltd.

L200W L100W L50W L0 L50E L100E L200E L300E

N

KEEZHIK CREEK

300N

200N

100N

BL 0

100S

200S

2.8399

0 50 100 metres

KEEZHIK CREEK PROJECT
SOUTH GRID
MAGNETIC TOTAL FIELD INTENSITY
——— 1008
- - - - - 508
SCALE 1:2000
NTS 52P/10

Figure 13

EXPLORATION MANAGER
ANACONDA CANADA EXPLORATION LTD.

KEEZHIK CREEK

N

KEEZHIK CREEK PROJECT

NORTH GRID

MAGNETIC TOTAL FIELD INTENSITY

Contour Interval

——— 100 γ

- - - - - 20 γ

28399

Scale 1: 2000 NTS 52 P/10

0 50 100 meters

Figure 8

L200W L100W L50W L0 L50E L100E L200E L300E

N

KEEZHIK CREEK

300N

200N

100N

BL.0

100S

200S

300S

0 50 100 Metres

2.8399

KEEZHIK CREEK PROJECT
SOUTH GRID
VERTICAL MAGNETIC GRADIENT
VALUES IN GRAMMAS/M
SCALE 1:2000
NTS 52P/10

Figure 14 EXPLORATION MANAGER
ANACONDA CANADA EXPLORATION LTD

KEEZHIK CREEK

N

0 50 100 meters

Scale 1:2000 NTS 52 P/10

KEEZHIK CREEK PROJECT

NORTH GRID

VERTICAL MAGNETIC GRADIENT

Values in gammas/meter

28399

Figure 9

EXPLORATION MANAGER
ANACONDA CANADA EXPLORATION LTD.