010

ELDORADO NUCLEAR LIMITED

EXPLORATION DIVISION

ASSESSMENT REPORT
GEOLOGICAL, GEOPHYSICAL AND GEOCHEMICAL SURVEYS

"B" CLAIM GROUP
NORTH CARIBOU PROPERTY
PATRICIA PORTION OF THE
PATRICIA MINING DIVISION
ERICHSEN LAKE TOWNSHIP
(Pa 569065 to Pa 569079 incl.)
NORTHWEST ONTARIO

Ottawa
August 1982

Prepared by:
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1 - INTRODUCTION

This report presents the results of the work performed on 15 claims located in the Erichsen Lake Township, Patricia mining district, northwestern Ontario. Field work consisted of geochemical surveys and prospecting by Canadian Occidental Petroleum Ltd. in June 1981, and linecutting, magnetometer survey, electromagnetic survey, geochemical surveys and geological mapping by Eldorado Nuclear Ltd. in June 1982.

2 - SUMMARY AND CONCLUSIONS

2.1 Summary

- 11.78 kilometres of linecutting, 20 metres interval between stations, 100/200 metres spacing between grid lines.
- approximately 550 magnetometer stations recorded.
- 10 line-kilometres of electromagnetic surveying (Max-Min II) using 100 metres coil separation between transmitter and receiver and recording of two frequencies (444 Hz and 1777 Hz).
- 52 soil samples collected from 35 locations and analysed for Au, Ag, As.
- 14 rock grab samples analysed for Au, 3 of them also analysed for Ag and As.
- Geological mapping of 3 areas of outcrops.
- Surficial geological mapping of the "B" Claim Group.

2.2 Conclusions

- Iron formation, covered by glacial and glacio-fluvial deposits as indicated from the geophysical surveys which show a high magnetic zone that closely correlates with a strong conductivity response.

- The soil geochemical surveys and lithogeochemistry do not indicate any anomalous Au, Ag or As areas of significance.
- The geological mapping indicates the presence of volcanic tuffs, greywacke and gabbroic intrusions, with a northwest general trend.

3 - LOCATION AND ACCESS

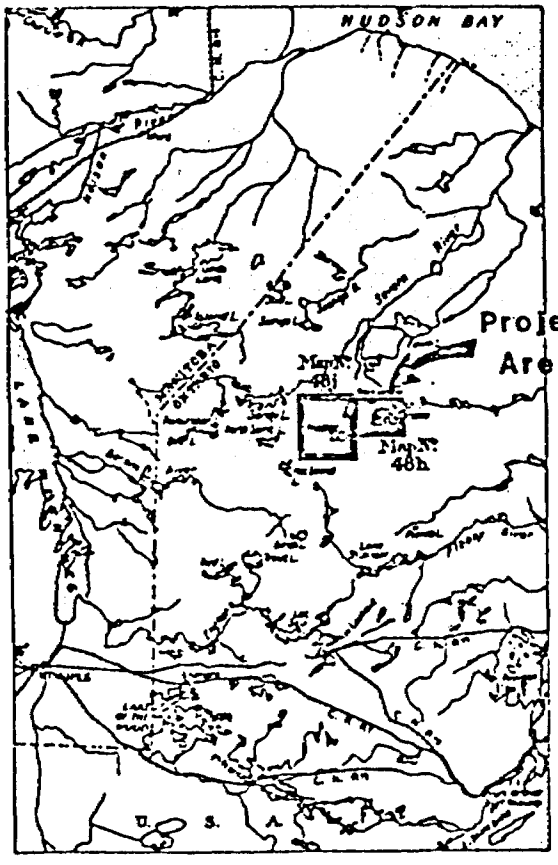
The "B" Claim Group of the North Caribou property is located 165 kilometres north of Pickle Lake and 315 kilometres northeast of Red Lake (Figure 1) in northwest Ontario. The coordinates are approximately longitude 90°35' and latitude 52°52'30" on NTS map 53 B/15 (Figure 2).

Small lakes on the property are adequate for float or ski-equipped aircraft landing. Chartered Cessna, Beaver or Otter are available from Picke Lake or Red Lake. The closest road, Highway 808, is 62 kilometres south of the property.

4 - LAND STATUS

This report discusses the work carried out on mineral dispositions that were held by Canadian Occidental Petroleum Ltd., Toronto, which have recently been transferred to Eldorado Nuclear Ltd., Ottawa.

The claim group, referred to as the "B" Claim Group of the North Caribou property, is comprised of 15 contiguous mining claims shown on Erichsen Lake claim map (M-2701) and listed in the following table. The claims are outlined on Figure 6 (scale 1:2500, in pocket).



Scale, 160 miles = 1 inch

INSERT FROM MAP 48h

SHOWING

NORTH CARIBOU LAKE

SIOUX LOOKOUT

FIGURE 1

ELDORADO NUCLEAR LIMITED

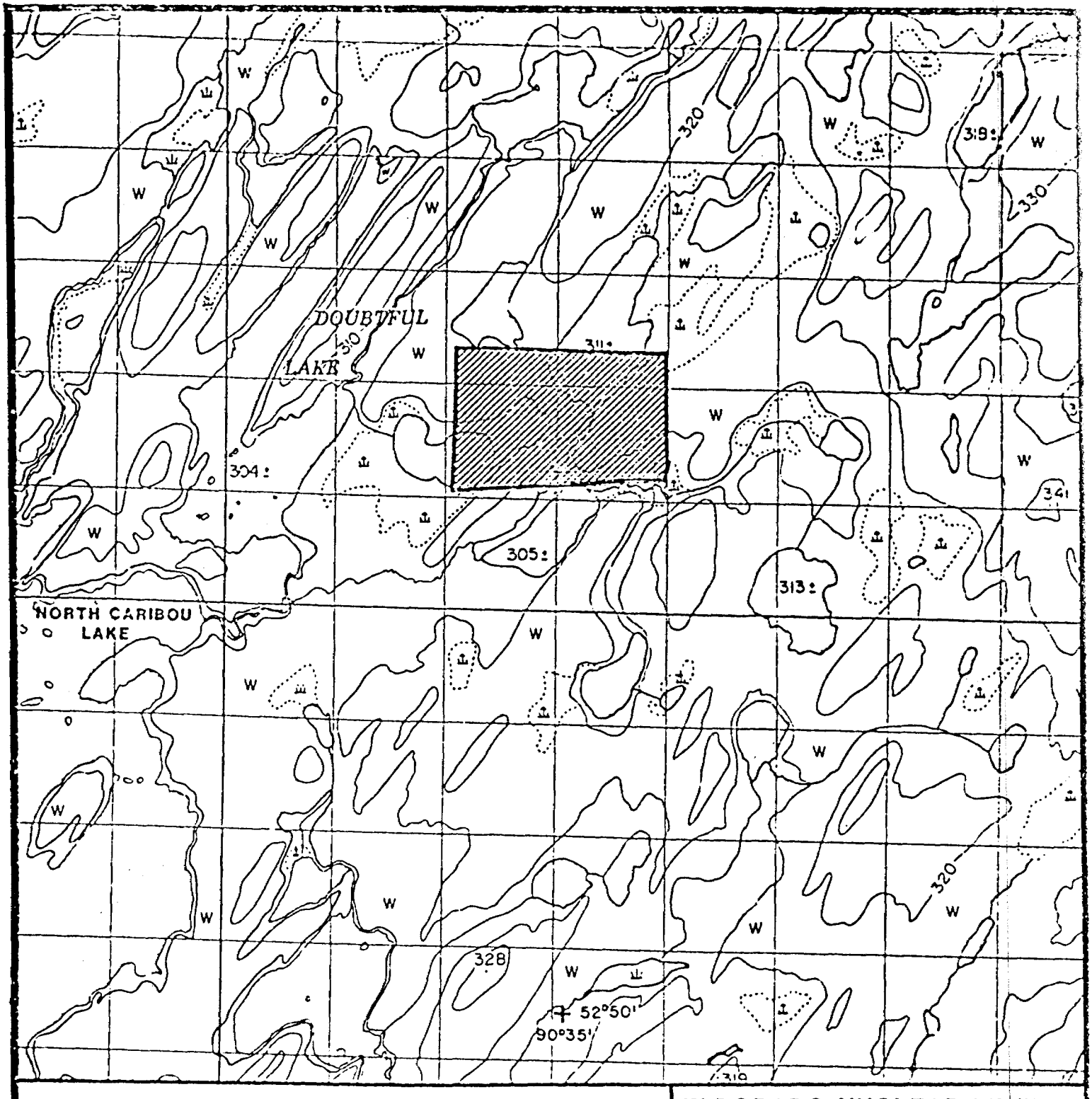
Project 561

North Caribou Lake

NW Ontario

"B" CLAIM GROUP

LOCATION MAP



"B" CLAIM GROUP

N

ELDORADO NUCLEAR LIMITED

Project 561
North Caribou Lake
NW Ontario
"B" CLAIM GROUP

PROPERTY OUTLINE

Scale 1 : 50000

Map Ref. 53 B/15

FIGURE 2

TABLE 1

"B" Claim Group, North Caribou Property

Mining Claim No.	Recording Date	Assessment Work Due Date	Extention
Pa 569065	April 8/81	April 8/82	Sept. 8/82
Pa 569066	"	"	"
Pa 569067	"	"	"
Pa 569068	"	"	"
Pa 569069	"	"	"
Pa 569070	"	"	"
Pa 569071	"	"	"
Pa 569072	"	"	"
Pa 569073	"	"	"
Pa 569074	"	"	"
Pa 569075	"	"	"
Pa 569076	"	"	"
Pa 569077	"	"	"
Pa 569078	"	"	"
Pa 569079	"	"	"

5 - LINECUTTING

A total of 11.78 line-kilometres was cut on the "B" Claim Group comprising 13 grid lines at 100/200 metres spacing and 2 tie lines (2N and 8N). Stations were established every 20 metres along all cut lines. Grid lines are oriented 45° east of true north. The linecutting was contracted to Walsten Exploration Services Ltd.

6 - MAGNETOMETER SURVEY

A total of approximately 550 stations was read using the EG & G Exploranium Geometric G-816 magnetometers. The Geometric proton precession magnetometers have an accuracy precision of ±1 gamma. Station intervals were 20m and all readings were loop corrected to base stations established on transit baselines.

Magnetometer operators made repeated checks on the earth's magnetic diurnal drift. All loops were run with tie-ins to base stations less than 30 gamma and all within one hour of survey operation. Taking into account all survey parameters and grid tie-ins the total error for each reading is ±5 gamma.

Results of the survey indicate a strongly magnetic body striking sub-parallel to the grid baseline. The strongly magnetic body, which is interpreted to be banded iron formation exhibits numerous flexures and changes in the magnetic relief. These changes are illustrated on the plotted results (Figures 3, 6). The magnetic signature of the banded iron formation indicates a fair degree of folding and faulting with the most extensively deformed area lying east of the 37+00W picket line. A major north-south fault lying axial to the creek between lines 35+00W and 37+00W apparently divides the two zones of structural deformation.

Other small, local magnetic highs can be explained by the presence of small gabbroic intrusions which were noted in the geologic mapping. These anomalies are not considered significant except that they often mark the local structural strike.

Very few conclusions can be drawn from the survey results. While there are no problems with the quality of the data, large omissions of data due to problems of terrain have rendered the survey as generally incomplete. More work is required to fill in missing sections and in other areas more detailed coverage is required.

7 - ELECTROMAGNETIC SURVEY

A total of approximately 10 line-kilometres was surveyed using an Apex Max-Min II, horizontal loop, EM unit. The survey was conducted using a 100m dipole and in-phase, and quadrature readings were taken on two frequencies; 1777 Hz and 444 Hz. Survey stations were read at 20m intervals except in some areas of no conductive response where operators used 40m stations. All readings were tilt and terrain corrected and readings are believed to be within ±1%.

The results of the survey (Figures 4A and 4B) indicate a strong conductor coincident with the banded iron formation. This response is attributed to iron sulphides. The EM response indicates a sub-cropping unit dipping grid south which is consistent with the geologic mapping of the area.

A second conductor delineated on the north end of lines 35+00W, 34+00W and 33+00W has a magnetic association but is not thought to be iron formation. This anomaly is interpreted to be sulphides associated with the mafic intrusions in the sedimentary sequences. Unfortunately there is no outcrop local to this area which can be used to correlate the geophysical surveys.

8 - GEOLOGY

8.1 Previous Work

J. Satterly produced the first geological map of the North Caribou area in 1939 at a scale of 1 inch to 1 mile. Thurston et al. (1979) carried out a regional mapping program of the Winisk Lake area at a scale of 1 inch to four miles. Dome announced the discovery of a major gold deposit in the Opapimiskan Lake area in 1981. Current ore estimates of the

Musselwhite Gold occurrence, Opapimiskan Lake, indicate over a million tons grading approximately 0.20 ounce gold per ton (Northern Miner, March 5, 1981).

8.2 Regional Geology

The Weagamow - North Caribou volcanic belt is located in the Patricia portion of the Patricia Mining Division, Kenora district. The belt has been interpreted as an elongate synclinal trough with a metasedimentary core and a metavolcanic rim. The Federal-Provincial aeromagnetic maps indicate that iron formation occurs at the contact between the volcanic and sedimentary rocks on both limbs of the syncline.

The belt extends eastward from Weagamow Lake to the Doubtful Lake area, and southward to Opapimiskan Lake where the belt divides into two synclines, one trending south for a short distance, the other trending east-southeast towards Neawagank Lake. The total length of the belt is approximately 150 kilometres. The belt lies between a migmatized complex to the north and felsic intrusive rocks to the south. Previous studies indicate that regional metamorphism is in the greenschist to middle amphibolite facies (Andrews et al., 1981).

8.3 Detailed Geology

Regional geology indicates that outcrop exposures on the "B" Claim Group represent the contact area between pillowed metavolcanics to the SW and metasediments to the NE, on the south limb of the Weagamow - North Caribou greenstone syncline. The contact area is characterized by the presence of iron formation which is inferred from the geophysical surveys to be immediately south of the outcrop area on the "B" Claim Group. Table 2: Stratigraphic Units of the Weagamow - North Caribou Greenstone Belt, is derived from previous work (Satterly, 1939).

Not all the stratigraphic units are observed in outcrop on the "B" Claim Group due to extensive glacial deposits.

TABLE 2

Stratigraphic Units of the Weagamow - North Caribou Claim Group

Mafic intrusive	(gabbro)*
Metasediments	(greywacke)*
Metavolcaniclastics	(tuffs, agglomerate, massive flows)*
Felsic tuffs	
Iron formation	(geophysical indications)*
Pillowed metavolcanics	

*Units observed or inferred from geophysical surveys on the "B" Claim Group.

8.3.1 Outcrops Location and Description

Three zones of outcrops were found on the "B" Claim Group (Figures 5A to 5C). They are restricted to a linear zone between 1+70N and 4+60N from lines 45W to 30W. Outcrop relief is typically 1 to 3 metres above muskeg areas and approximately 50% of their surface is covered with moss and/or lichen.

Figure 5A, line 45W:

One small outcrop was found south of the 2N tie-line. Here, a contact between actinolitic tuffs and feldspathic greywacke is well exposed. The greywacke is light grey to medium green with a good bedding expressed by mafic-rich and felsic horizons. The tuff is medium green, well foliated. A small quartz stringer lies at the contact of the two rock types.

LEGEND

[5]	FELSIC ROCK (FELSIC TUFF)
[4]	MAFIC INTRUSIVE
[3]	METASEDIMENTS (GREYWACKE)
[2]	METAVOLCANICS (2a: interbedded with sediments) (2b: with felsic agglomeratic zones) (2c: mafic volcanic flows and/or tuffs) (2d: massive mafic volcanics)
[1]	LEAN IRON FORMATION (1f: banded iron formation)
44	LINEATION WITH PLUNGE
80	BEDDING (dipping; vertical)
80	SCHISTOSITY (dipping; vertical)
80	JOINTS (dipping; vertical)
80	FOLD AXIS (dipping; vertical)
40	QUARTZ VEIN (Dipping; vertical)
	GLACIAL STRIAE
------	GEOLOGICAL CONTACT (OBSERVED; INTERPRETED)
	OUTCROPS
P-12	PETROGRAPHIC SAMPLE
G-15	GRAB SAMPLE
P-17	CHANNEL SAMPLE
	OLD TRENCH

33 W

32W

31W

30W

4 N

3N

FIGURE 5C

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NORTH CARIBOU LAKE
"B" CLAIM GROUP
GEOLOGICAL MAP, LINE 33W TO 30W

0 40m

JULY 1982 SCALE 1:1,000

GRID LINE

MAGNETIC NORTH
1°09' EAST OF TRUE NORTH

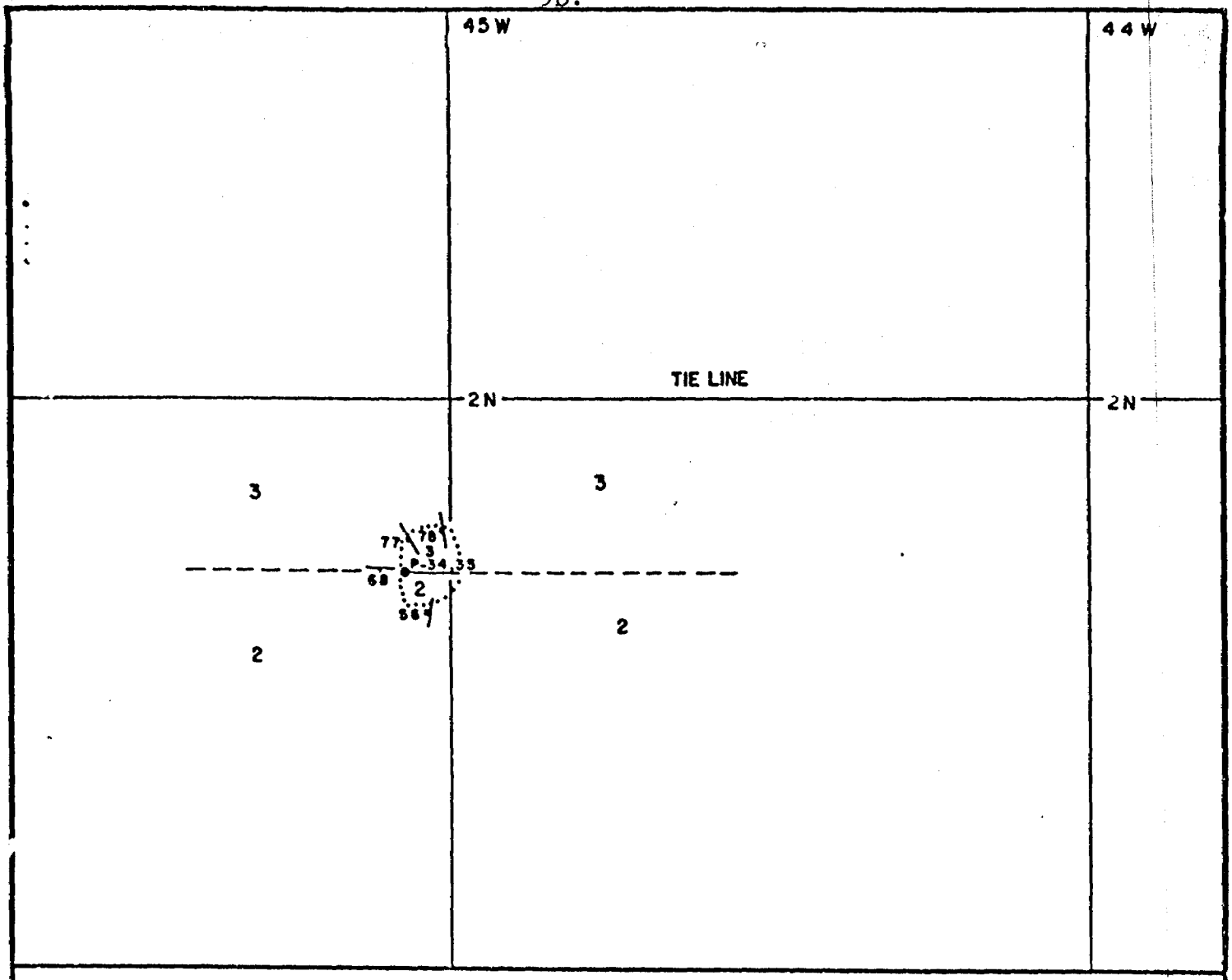

FIGURE 5A

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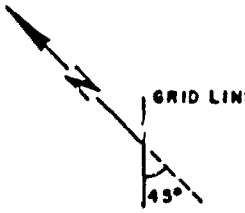
NORTH CARIBOU LAKE
"B" CLAIM GROUP
GEOLOGICAL MAP, LINE 45W, 44W



MAGNETIC NORTH
1°09' EAST OF TRUE NORTH

JULY 1982

SCALE 1:1,000

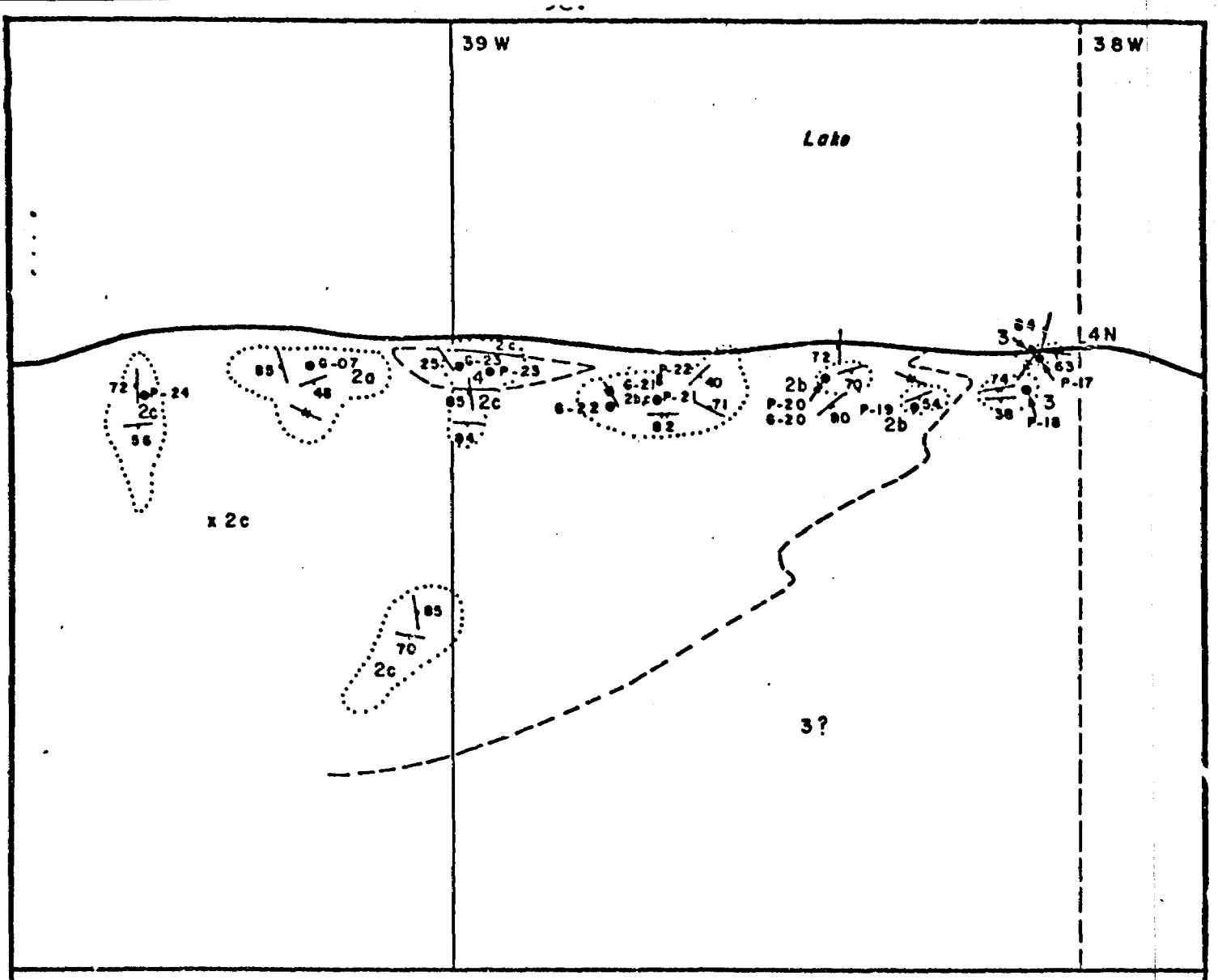


FIGURE 5B

GRID LINE

45°

MAGNETIC NORTH
1°09' EAST OF TRUE NORTH

ELDORADO NUCLEAR LIMITED

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NORTH CARIBOU LAKE
"B" CLAIM GROUP
GEOLOGICAL MAP LINE 38W, 39W

0 40m

JULY 1982

SCALE 1:1,000

Figure 5B, Lines 38W and 39W:

A zone of outcrops is exposed southwest of an unnamed lake near its shoreline. Medium light grey, fine grained feldspathic greywacke is found near line 38W. Other outcrops to the NW are made of medium to light green coloured, fine to medium-fine grained, actinolitic volcanic tuffs. Local felsic and pumice-like fragments less than 15cm in length are found in the tuff. A medium to coarse grained mafic intrusive (gabbro) or coarse mafic flow is exposed on line 39W and corresponds to a small magnetic high on the ground magnetometer survey.

Figure 5C, Lines 30W to 33W:

Rocks, exposed in this extensive zone of outcrops, are of three types: volcanic tuffs, greywacke and gabbro. Volcanic tuffs are greenish, medium-fine to fine grained and actinolitic. Greywacke is light creamy white, feldspathic, medium grained and bedded with discontinuous mafic horizons less than 10cm thick. The gabbro is massive-looking, medium-coarse grained, greyish green; its limit corresponds to a small magnetic high indicated on the ground magnetometer survey.

One outcrop at 31+80W, 2+80N shows complex folding of the contact between the greywacke and the tuffs with the plunge of fold axis to the southeast at approximately 45°.

8.3.2 Veining and Stringers

Quartz, quartz and feldspar, and less commonly feldspar veining were observed as minor components of all lithologies at many localities. Veins are typically 1 to 5cm thick and commonly follow joint or fracture orientations across the general trend of the rock. Some of the veins could be called "flats" where dips of less than 45° are observed. A few quartz stringers, parallel to the foliation, are locally found in small sheared zones. Quartz is commonly white but locally dark grey.

8.3.3 Structure

The general trend of the foliation is commonly NW-SE, parallel to the greenstone belt trend in this area. A few fold axes in the area of line 32W indicate a plunge on isoclinal folding of about 30° to 45° to the SE.

8.3.4 Metamorphism

The presence of actinolite in all rock types suggests a regional metamorphism in the upper greenschist to lower amphibolite facies.

8.3.5 Lithogeochemistry

Three rock samples were collected by Canoxy on the "B" Claim Group outcrops and analysed for Au, Ag, As. Eleven rock samples were collected by Eldorado and assayed and analysed for Au. Table 3, on the following page, summarizes the results.

8.3.6 Petrography

Petrographic description of 4 rock samples is given in Appendix A.

8.4 Pleistocene Geology

8.4.1 Regional Pleistocene

Regional aspects of Pleistocene geology and physiography are well reported by J. Satterly (1939) and D.R. Sharpe (March, 1982). Glacial deposits of late Wisconsinian time form proeminent ridges and hills (eskers, drumlins and morainal deposits) oriented in a northeasterly direction; this and striae measurements indicate an ice flow direction to the southwest.

8.4.2 Detailed Pleistocene Geology

On the "B" Claim Group glacial deposits are generally made of granitic and/or migmatitic boulders, gravel and sand in various proportions. Washed till (boulder fields) commonly marks the outskirt of drumlins and eskers. Water-filled muskegs and swamps and lakes lay between the northeasterly oriented

TABLE 3

Rock Samples, Analysis and Assay Results

Sample Number	Approximate Location	Description	Au(ppm)	Ag(ppm)	As(ppm)
CAB 63030	≈ 31+50W, 4+20N	Tuffs	ND*	0.3	5
CAB 63031	≈ 31+00W, 2+80N	"	ND	ND	23
CAB 63035	≈ 39+00W, 4+00N	"	ND	ND	2
561-82-G-7	39+23W, 3+95N	Gossan in tuffs	ND (tr)**		
561-82-G-8	30+20W, 3+80N	Tuffs	ND (tr)		
561-82-G-17	30+95W, 3+20N	Quartz veining	10 (nil)		
561-82-G-18	32+84W, 3+20N	" "	ND (nil)		
561-82-G-19	31+63W, 3+30N	" "	ND (nil)		
561-82-G-20	38+40W, 3+94N	Gossan and quartz in tuffs	ND (tr)		
561-82-G-21	38+67W, 3+95N	Gossan in tuffs	ND (tr)		
561-82-G-22	38+77W, 3+90N	Quartz veining	ND (tr)		
561-82-G-23	38+99W, 3+95N	Quartz flat	ND (nil)		
561-82-G-24	30+90W, 3+20N	Quartz veining and tuffs	ND (tr)		
561-82-G-25	32+80W, 3+20N	Quartz	ND (tr)		

* ND: Not detected; detection limits: 5 ppb Au
0.1 ppm Ag
2 ppm As

** Assays in parenthesis: tr = < 0.005 oz/ton Au
nil = < 0.001 oz/ton Au

drumlins and eskers. Hills of glacial deposits are generally less than 20 metres high and are commonly grown over by jackpine and birches whereas spruce is found in the muskeg areas. Glacial striae, where observed, give a southwesterly ice direction.

Pleistocene features are indicated on both the geological and geochemical maps (Figures 6 and 7). This information is derived from air photo interpretation and data from the soil geochemical survey.

8.4.3 Soil Geochemical Survey

A total of 52 soil samples were collected from 35 locations by Canoxy and Eldorado field parties and analysed for Au, Ag and As. The geochemical survey map (Figure 7) shows the location of the samples and the results. Note that the heavy mineral fraction of the "B" horizon samples collected by Canoxy was analysed whereas no preparation was done on the "B" horizon samples collected by Eldorado. Detection limits are 5 ppb for Au, 0.1 ppm for Ag, 2 ppm for As. Highest values obtained are 10 ppb Au, 0.1 ppm Ag and 11 ppm As. These results are not significantly anomalous.

9 - LIST OF PERSONNEL

Canadian Occidental Petroleum Ltd.* June 1981 field season:

- Mike Henrick	Supervising geologist/pilot
- Kevin Leonard	Staff geologist
- Guy Rochat	Senior assistant
- Allan Sanderson	Prospector

Eldorado Nuclear Ltd. **

	June 1982 field season:
- René Bissonnette	Project geologist
- Robert Bonnar	Senior project geologist
- Ian Campbell	Geological assistant
- Robert Clark	District manager
- Bob Duess	Geological assistant
- John Gingerich	Geophysicist
- Roger Hill	Geological assistant
- Daniel Laforest	Geophysical technician

Walsten Exploration Services Ltd.*** June 1982 field season:

- C. Bissonnette
- J. Carpenter
- R. Kishigweb
- T. Shebobman
- A. Thompson
- E. Trimble
- D. Walsten

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Respectfully submitted
René Bissonnette
Project Geologist

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CERTIFICATE

I, Jean-René Bissonnette, of the City of Ottawa in the Province of Ontario, do hereby certify that:

1. I reside at 420 Gloucester Street, Apt. 2002, Ottawa, Ontario, K1R 7T7.

2. I hold a Bachelor of Science degree in Geology from the University of Quebec in Montreal and a Master of Science degree in Geology from the University of Ottawa.

3. The geological and geophysical work herein reported was completed under my supervision and I was present while it was being carried out. I have supervised the preparation of the maps and have written the report

DATED AT OTTAWA this 3rd day of May, 1983.

Jean-René Bissonette

APPENDIX A

Petrographic Description of Rock Samples

516-82-P-18

HAND DESCRIPTION

The rock is greenish grey and pink on the fresh surface and is buff and dull flesh pink on the weathered surface. The rock consists of two parts: a) the host rock and b) a vein. The host rock is very fine to fine grained, essentially homogeneous and equigranular, holocrystalline, and somewhat recrystallized. It consists of amphiboles (60%) and feldspars (40%). The vein consists of medium to coarse grained feldspars. The rock is a metamorphosed volcanic or volcanoclastic sediment based upon grain size, mineralogy, and color index.

PETROGRAPHIC DESCRIPTION

Mineralogy: 1) Host Rock

Amphibole (Actinolite or Hornblende) - blue green to pale yellow
- porphyroblastic needles and prisms up to 1.0mm in size
- set in a very fine grained matrix of quartz and feldspars
- makes up ca. 55% of the host rock

Quartz
- very fine to fine grained, up to 0.5mm in size
- undulose extinction
- even grain size suggestsa sedimentary origin
- makes up ca. 35% of the host rock

Albite
- saussuritized, generally untwinned, negative relief
- up to 0.8mm in size
- makes up ca. 10% of the host rock

Carbonate - trace amounts

Opaques - trace amounts

2) Vein

Feldspars- medium grained K-spars

Textures:
- slightly foliated (lineated)
- even grain size of quartz implies a sedimentary origin whereas the abundant fine grained amphiboles suggest a volcanic origin

Metamorphic Grade: - Greenschist Facies

Origin of Rock: - combined sedimentary and volcanic derived in or alonga basin margin

Name of Rock: - volcanoclastic/epiclastic sediment metamorphosed to an actinolite-quartz-albite schist

561-82-P-20

HAND DESCRIPTION

The rock is pale bluish to greenish grey to black with dark pinkish grey patches on the fresh surface and is buff to muddy greenish brown to rusty brown on the weathered surface. It consists of lenses of quartzite lying within a matrix showing distinct compositional banding (bedding?). The rock shows some evidence of recrystallization and shearing. The rock also shows some manganese staining and sulfide mineralization. The rock is an ash tuff and based upon color index is felsic to intermediate in composition.

PETROGRAPHIC DESCRIPTION

Mineralogy: 1) Porphyroblasts (slightly porphyroblastic at fine grained scale)

Amphibole (Grunerite-Cummingtonite) - blue green to pale yellow
- slender prismatic crystals up to 0.5mm
- multiple twinning with narrow lamellae
- metamorphic

Opaques
- hematite and other opaques make up ca. 15% of the rock
- follow the compositional banding and the foliation of the rock in a very distinct manner

2) Matrix

- very fine grained to aphanitic
- consists of carbonate, sericite, amphiboles, quartz, and other undiscernable minerals

3) Quartz Lenses

- up to 4.0mm in thickness
- show slight to moderate undulose extinction

Textures:
- distinct compositional banding
- grain size differs from band to band
- quartz lenses are suggestive of a sedimentary origin (i.e. epiclastic)

Grade of Metamorphism: - Greenschist Facies
Origin of Rock: - combined volcanic/sedimentary
Name of Rock: - felsic to intermediate tuff (metamorphosed and recrystallized)

516-82-P-28

HAND DESCRIPTION

The rock is pale green to greenish grey to black on the fresh surface and is dull dark green to rusty brown on the weathered surface. It is holocrystalline, fine to medium grained and porphyroblastic. The rock exhibits a strong foliation defined by compositional layering and mineral lineation. It consists essentially of amphibole chlorite layers alternating with quartzo-feldspathic layers up to 1cm thick. The weathered surface appears somewhat fragmental which suggests that the foliation could be primary. The rock has suffered at least greenschist facies metamorphism, possibly even amphibolite facies. The rock is a metamorphosed tuff.

PETROGRAPHIC DESCRIPTION

Mineralogy: (estimated percents are variable due to the change of mineral assemblages across compositional bands)

Amphibole (Tremolite-Actinolite-Hornblende?) - slightly pleochroic to strongly pleochroic zoned crystals (colorless to blue green)
- well developed zoning due to a change in Fe/Mg content during temperature changes
- metamorphic - porphyroblastic - up to 5mm in length
- ca. 50% of the rock

Amphibole (Grunerite-Cummingtonite) - colorless, high refractive index
- multiple twinning with narrow lamellae
- occur predominently at the edges of amphibole-rich layers
- metamorphic - porphyroblastic - up to 1.0mm in size
- ca. 10% of the rock

Quartz
- makes up the bulk of the matrix
- fairly even grain size, undulose extinction is weak to moderate
- abundant inclusion trails found in quartz-rich matrix
- ca. 35% of the rock

Albite
- mostly untwinned, saussuritized
- found mostly as a part of the matrix

Textures:
- porphyroblastic, foliated (lineated) - relict primary foliation
- inclusion trails within matrix and porphyroblasts pretty much follow the foliation; indicative of sedimentary origin

Grade of Metamorphism: - Middle Greenschist to Lower Amphibolite Facies

Origin of Rock: - combined sedimentary/volcanic

Name of Rock: - metamorphosed volcanoclastic/epiclastic sediment

516-82-P-29

HAND DESCRIPTION

The rock is dark greenish grey on the fresh surface and is dull dark green on the weathered surface. It is very fine grained to aphanitic, compact, dense, and relatively homogeneous. The rock shows a fragmental pitted weathered surface that is typical of volcanic or volcanoclastic rocks. Based upon the color index and the texture the rock is of volcanic origin and intermediate to mafic in composition.

PETROGRAPHIC DESCRIPTION

Mineralogy:

Amphibole (Tremolite-Actinolite Series) - pale green, slightly pleochroic
- small foliated to randomly oriented crystals up to 0.8mm in size
- medium relief, 2V ca. 75°, biaxial negative

Carbonate - calcite
- 10-15% of the rock
- found in small patches and carbonate-rich layers

Opaques - randomly oriented

Textures: - fine grained to very fine grained, schistose
- in places randomly oriented tremolite
- shows some compositional layering; tremolite-rich and carbonate-rich layers

Grade of Metamorphism: - Greenschist Facies

Origin of Rock: - a metamorphosed basic volcanic rock or volcanoclastic rock

Name or Rock: - tremolite-carbonate schist

APPENDIX B

Analysis Invoices

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

INVOICE: E 08495

DATE: August 10, 1981

REPORT NO: 111-1319

PROJECT: CARIBOU SOILS (B ~~EMAIMS~~)

Canadian Occidental Petroleum Limited
c/o R. Evans
Minerals Division
180 Attwell Dr., 4th Floor
Rexdale, Ontario
M9W 6A9

14	Analyses of Silver	@ $1.75	$24.50
14	Analyses of Arsenic	@ 2.90	40.60
14	Analyses of Gold	@ 5.25	73.50
14	Sample Preparation	@ 0.60	8.40
		Total	$147.00

dr

THIS IS A PROFESSIONAL SERVICE

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

Canadian Occidental Petroleum Limited
c/o Mr. R. Evans
Minerals Division
180 Attwell Drive, 4th Floor
Rexdale, Ontario
M9W 6A9

INVOICE: E 79466

DATE: September 22, 1981

REPORT NO: 111-1320

PROJECT: CARIBOU SOILS
(B CLAIMS)

10	Analyses of Silver	@ $1.75	$17.50
7	Analyses of Arsenic	@ 2.90	20.30
3	Analyses of Gold	@ 5.25	15.75
10	Heavy Mineral Separation	@ 11.00	110.00
10	Sample Preparation (-10 mesh)	@ 0.60	6.00
10	Sample Preparation (-200 Mesh)	@0.60	6.00
10	Pulverizing	@ 1.25	12.50
40	Weighings	@ 0.25	10.00
		Total	$198.05

dr

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

INVOICE: E 8251

DATE: July 21, 1981

REPORT NO: 111-1239

PROJECT: CARI. EDPHK C

Canadian Occidental Petroleum Limited
c/o R. Evans
311-215 Carlingview Drive
Rexdale, Ontario
M9W 5X8

16	Analyses of Silver	@ $1.75	$28.00
16	Analyses of Gold	@ 5.25	84.00
16	Analyses of Arsenic	@ 2.90	46.40
16	Sample Preparation	@ 2.50	40.00
	Shipping Charge		76.93
		Total	$275.33

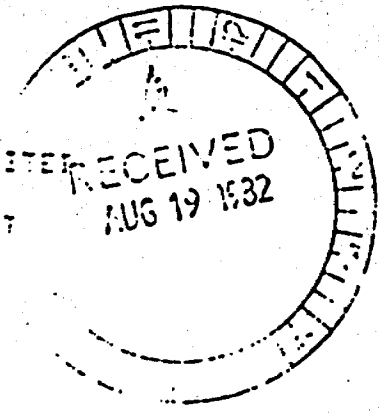
- 3 samples only at $12.40 = $37.20

dr

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455



ELDORADO NUCLEAR LIMITED
P. LANNIN
400-333 ALBERT STREET
OTTAWA, ONTARIO.
K1P 6B9

Invoice: 100567

Date: August 17, 1982

Report No: 112-1199

Project: 561

SHIPMENT NOTICE 1027

7 Analyses of Silver	at	1.90	13.30	
Subtotal			13.30	13.30
7 Analyses of Arsenic	at	3.25	22.75	
Subtotal			22.75	22.75
Sample Preparation				
7 Samples of DRY,SIEVE -80	at	0.70	4.90	
Subtotal			4.90	4.90
Invoice Total				$40.95

INV. DATE	D.V	CCTR	ORDER NO	C/E	AMOUNT
82/08/19					
REGISTER 43858	020	82	561	22	195 $40.95
VENDOR					
INVOICE 100567					
DUE DATE 8236	EXPLORATION DIVISION				
BANK 2	AUG 19 '82				
DISCOUNT	APPR				
AMOUNT 4095	PAYM				

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

ELDORADO NUCLEAR LIMITED
F. LAMNIN
416-200 ALBERT STREET
OTTAWA, ONTARIO.
K1P 6A9

RECEIVED [illegible] 82

Invoice: 100619
Date: August 19, 1982
Report No: 112-1199
Project: 361

SHIPMENT NOTICE 1027

7 Analyses of Gold - Fire Assay	@	6.00	42.00	
Subtotal			42.00	42.00
Invoice Total				$42.00

INV. DATE	DIV	CCTR	ORDER NO		C/E	AMOUNT
82 08 19						
REGISTER 43973	020	82	511	22	195	42.00
VENDOR						
INVOICE 100619						
DUE REF 8236						
BANK 2						
DISCOUNT						
AMOUNT $ 42.00						
VOUCHER						

EXPLORATION DIVISION
AUG 20 1982
APPROVED FOR PAYMENT

ORDER SIGNATURE [signature]

ACCOUNTS DUE WHEN RENDERED

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4155

RECEIVED AUG-4 1982

Eldorado Nuclear Limited
400-255 Albert Street
Ottawa, Ontario
K1P 6A9

Attention: B. Lannin

INVOICE: F 03871

DATE: August 3, 1982

REPORT NO: A-12-631

PROJECT: 561-22

29	Analyses of Gold	@ $9.00	$261.00

INV. DATE	DIV	CCTR	ORD. NO	C/E	AMOUNT
82 08 03					
REGISTER 33967	020	22	561 22	195	261.00
VENDOR					
INVOICE F03871		EXPLORATION DIVISION			
DUE PER 8233					
BANK 2		AUG 4 1982			
DISCOUNT		APPROVED FOR PAYMENT			
AMOUNT 261.00				1	
VOUCHER					
GOODS/SERV/PRICE					

11 samples only
at $9. = $99.

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

ELDORADO NUCLEAR LIMITED
B. LANNIN
400-255 ALBERT STREET
OTTAWA, ONTARIO,
K1P 6A9

Invoice: 100653

Date: August 23, 1982

Report No: 112-1135

Project: 561

29 Analyses of Gold - Fire Assay	at	6.00	174.00
Subtotal			174.00

174.00

Invoice Total $174.00

INV. DATE	DIV	CCTR	ORDER NO	C/E	AMOUNT
82 08 23					
REGISTER 43879	020	22	561 22	195	$ 174.00
VENDOR					
INVOICE 100653		EXPLORATION DIVISION			
DUE PER 2336					
BANK 2		AUG 24 1982			
DISCOUNT		APPROVED FOR PAYMENT			
AMOUNT $ 174.00					
VOUCHER					

11 samples only
at $6. = $66.00

ACCOUNTS DUE WHEN RENDERED

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

ELDORADO NUCLEAR LIMITED
B. LANNIN
400-255 ALBERT STREET
OTTAWA, ONTARIO.
K1P 6A9

Invoice: 100534

Date: August 16, 1982

Report No: 212-1022

Project: 561

SHIPMENT NOTICE 1077

22 Analyses of Silver	at	1.90	41.80	
Subtotal			41.80	41.80
22 Analyses of Arsenic	at	3.25	71.50	
Subtotal			71.50	71.50
Invoice Total				$113.30

INV. DATE	DIV	CCTR	ORDER NO		C/E	AMOUNT
82 08 16						
REGISTER 43945	020	82	561	82	195	$ 113.30
VENDOR						
INVOICE 100534		EXPLORATION DIVISION				
DUE PER 8235		AUG 17 1982				
BANK 2		APPROVED FOR PAYMENT				
DISCOUNT						
AMOUNT $ 113.30						
VOUCHER						

GOODS/SERV/PRICE

PRICE

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

ELDORADO NUCLEAR LIMITED
B. LANNIN
400-255 ALBERT STREET
OTTAWA, ONTARIO.
K1P 6A9

Invoice: 100691

Date: August 26, 1982

Report No: 112-1022

Project: 561

CODE:020-82-561-22-19.

140 Analyses of Gold - Fire Assay	ea	6.00	840.00	
Subtotal			840.00	840.00
Sample Preparation:				
140 Samples of SEIVE -80	ea	1.75	245.00	
Subtotal			245.00	245.00
Invoice Total				$1085.00

INV. DATE	DIV	CCTR	ORDER NO		CIE	AMOUNT
82 08 26						
REGISTER 43709	020	82	561	22	145	$ 1,085.00
VENDOR						
INVOICE 100691						
DUE PER 8337						
BANK 2						
DISCOUNT						
AMOUNT 1,085.00						
VOUCHER						

EXPLORATION DIVISION
AUG 30 1982
APPROVED FOR PAYMENT

22 samples only
at $7.75 = $170.50

GOODS SERVICE PRICE

SERVICE NDERED

geoladesh inc.

151 John Street
Suite B-8
Toronto, Ontario
M5V 2T2

596-0381

INVOICE
No. 000106

Terms: Payable upon receipt

RECEIVED AUG-9 1982

ERVICES RENDERED TO:

Eldorado Nuclear Ltd.
400-255 Albert Street
Ottawa, Ontario
K1P 6A9

te: Aug.5/82	Shipped Via:	Your Order No.:

uan. ered	Description	Quan. Shipped	Unit Price	Amou
	thin sections (RJ McH Clark - no's 516-20-1-6)	6	7.75	46.50
2	thin sections (Rene Bissonnette)	22	7.75	170.5
	code: 020-82-561-22-195			
	Minimum charge cuts on hand samples		2.00	16.00
	collect BPX from Ottawa			10.15
	Total	28		$243.15

4 thin sections only at $7.75 = $31.-

INV. DATE	DIV	CCTR	ORDER NO	C/E	AMOUNT
82b2b5					
REGISTER 17932				190	
VENDOR	020	82	516	20 195	59.58
	020	82	561	22 195	183.57
INVOICE 000106					
DUE PER 8233					243.15
BANK 2					
DISCOUNT					
AMOUNT 243.15					
VOUCHER					

EXPLORATION DIVISION
AUG 9 1982
APPROVED FOR PAYMENT

CES

AL:

Nuclear Ltd.
Albert Street
tario, K1P 6A9
R.J. McH Clark
Y:
lark

APPENDIX C

Technical Data Statement

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GEOLOGICAL

Township or Area ERICHSEN LAKE, M 2701

Claim Holder(s) ELDORADO NUCLEAR LIMITED

Survey Company ELDORADO NUCLEAR LIMITED

Author of Report RENÉ BISSONNETTE

Address of Author SUITE 400 - 255 ALBERT ST, OTTAWA, ONT. K1P 6A9

Covering Dates of Survey 5-6-82 to 4-7-82
(linecutting to office)

Total Miles of Line Cut 11.78 LINE-KM.

SPECIAL PROVISIONS CREDITS REQUESTED		DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
	-Electromagnetic	
	-Magnetometer	
	-Radiometric	
	-Other	
ENTER 20 days for each additional survey using same grid.	Geological	
	Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Sept 3 1982 SIGNATURE: René Bissonnette
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
Pa	569065
Pa	569066
Pa	569067
Pa	569068
Pa	569069
Pa	569070
Pa	569071
Pa	569072
Pa	569073
Pa	569074
Pa	569075
Pa	569076
Pa	569077
Pa	569078
Pa	569079

TOTAL CLAIMS 15

If space insufficient, attach list

837 (5/79)

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GEOCHEMICAL

Township or Area ERICHSEN LAKE M-2701

Claim Holder(s) ELDORADO NUCLEAR LIMITED

Survey Company ELDORADO NUCLEAR LIMITED / CANORY

Author of Report RENÉ BISSONNETTE

Address of Author SUITE 400 - 255 ALBERT ST OTTAWA ONT K1P 6A9

Covering Dates of Survey 5-6-82 to 4-7-82
(linecutting to office)

Total Miles of Line Cut 11.78 LINE-KM.

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

DAYS per claim

Geophysical
- Electromagnetic _____
- Magnetometer _____
- Radiometric _____
- Other _____

Geological _____

Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Sept 3/82 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
Pa	569065
Pa	569066
Pa	569067
Pa	569068
Pa	569069
Pa	569070
Pa	569071
Pa	569072
Pa	569073
Pa	569074
Pa	569075
Pa	569076
Pa	569077
Pa	569078
Pa	569079

If space insufficient, attach list

TOTAL CLAIMS 15

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken Pa 569065 to Pa 567067
Pa 569069 to Pa 569079

Total Number of Samples 52
Type of Sample Soil
(Nature of Material)
Average Sample Weight 200 gr.
Method of Collection DIGGING WITH GRUB HOE

Soil Horizon Sampled Ao (HUMUS) AND B
Horizon Development FAIR TO POOR
Sample Depth LESS THAN 0.5 METRE
Terrain GLACIAL DEPOSITS AND MUSKEG
Drainage Development GOOD OVER GLACIATED TERRAIN
Estimated Range of Overburden Thickness
0 – 20 METRES (?)

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis
Ao HUMUS : -50 MESH
B : -80 MESH

General SAMPLES DRIED IN FIELD, SIEVED IN LABORATORY

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☑
p. p. b. ☑

Cu, Pb, Zn, Ni, Co, (Ag) Mo, (As) (circle)

Others Au

Field Analysis (_____ tests)
Extraction Method
Analytical Method
Reagents Used

Field Laboratory Analysis
No. (_____ tests)
Extraction Method
Analytical Method
Reagents Used

Commercial Laboratory (52 x 3 tests)
Name of Laboratory BONDAR-CLEGG, OTTAWA
Extraction Method cf general
Analytical Method cf general
Reagents Used cf general

General Au : AQUA REGIA, FIRE ASSAY, AA.
Ag : HNO_3-HCL HOT EXTR.
ATOMIC ABSORPTION
As : NITRIC PERCHLOR DIG.
COLOURIMETRIC
DETECTION LIMITS :
Au : 5 ppb
Ag : 0.1 ppm
As : 2 ppm.

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
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Type of Survey(s) MAGNETOMETER

Township or Area ERICHSEN LAKE M 2701

Claim Holder(s) ELDORADO NUCLEAR LIMITED

Survey Company ELDORADO NUCLEAR LIMITED

Author of Report RENÉ BISSONNETTE

Address of Author SUITE 400 - 255 ALBERT ST OTTAWA, ONT

Covering Dates of Survey 5-6-82 to 4-7-82 LIP CAD
(linecutting to office)

Total Miles of Line Cut 11.78 LINE - Km.

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

DAYS per claim

Geophysical

–Electromagnetic _____

–Magnetometer _____

–Radiometric _____

–Other _____

Geological _____

Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: SEPT 31 82 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
Pa	569065
Pa	569066
Pa	569067
Pa	569068
Pa	569069
Pa	569070
Pa	569071
Pa	569072
Pa	569073
Pa	569074
Pa	569075
Pa	569076
Pa	569077
Pa	569078
Pa	569079

If space insufficient, attach list

TOTAL CLAIMS 15

837 (6/79)

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations 589 Number of Readings 589

Station interval 20 METRES Line spacing 100 / 200 METRES

Profile scale

Contour interval 100 / 1000 GAMMA

MAGNETIC

Instrument EG+G EXPLORANIUM GEOMETRIC G-816 PROTON PRECESSION MAGNETOMETE

Accuracy – Scale constant ± 1 GAMMA

Diurnal correction method LOOP CORRECTED TO BASE STATIONS ESTABLISHED ON BASELINES.

Base Station check-in interval (hours) LESS THAN ONE HOUR

Base Station location and value NO SINGLE BASE STATION USED.

ELECTROMAGNETIC

Instrument

Coil configuration

Coil separation

Accuracy

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency
(specify V.L.F. station)

Parameters measured

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

SEISMIC

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

DRILLING

Power

Electrode array

Electrode spacing

Type of electrode

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) MAX-MIN II ELECTROMAGNETIC

Township or Area ERICHSEN LAKE M 2701

Claim Holder(s) ELDORADO NUCLEAR LIMITED

Survey Company ELDORADO NUCLEAR LIMITED

Author of Report RENÉ BISSONNETTE

Address of Author SUITE 400 · 255 ALBERT ST OTTAWA, ONT. K1P 6A9

Covering Dates of Survey 26-8-82 to 4-7-82 (linecutting to office)

Total Miles of Line Cut 11.78 LINE-Km.

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

DAYS per claim

Geophysical

–Electromagnetic _____

–Magnetometer _____

–Radiometric _____

–Other _____

Geological _____

Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____ (enter days per claim)

DATE: SEPT 3/82 SIGNATURE: _____ Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
Pa	569065
Pa	569066
Pa	569067
Pa	569068
Pa	569069
Pa	569070
Pa	569071
Pa	569072
Pa	569073
Pa	569074
Pa	569075
Pa	569076
Pa	569077
Pa	569078
Pa	569079

TOTAL CLAIMS 15

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations 589 Number of Readings APPROXIMATELY 500

Station interval 20 METRES Line spacing 100/200 METRES

Profile scale 1 cm = 10 %

Contour interval —

MAGNETIC

Instrument

Accuracy – Scale constant

Diurnal correction method

Base Station check-in interval (hours)

Base Station location and value

ELECTROMAGNETIC

Instrument APEX MAX-MIN II

Coil configuration HORIZONTAL

Coil separation 200 METRES

Accuracy ± 1%

Method: ☐ Fixed transmitter ☐ Shoot back ☑ In line ☐ Parallel line

Frequency 444 Hz AND 1777 Hz
(specify V.L.F. station)

Parameters measured IN PHASE AND QUADRATURE READINGS OF SECONDARY FIELDS

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

Power

Electrode array

Electrode spacing

Type of electrode

F.W.M.

Ontario Ministry of Natural Resources

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

#82-101

Mining Lands "B" CLAIM GROUP

The Mining Act

2.5047

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): GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL

Township or Area: ERICKSON LAKE M 2701

Claim Holder(s): ELDORADO NUCLEAR LIMITED

Prospector's Licence No.: T-1098

Address: SUITE 400, 255 ALBERT ST., OTTAWA, ONTARIO K1P 6A9

Survey Company: ELDORADO NUCLEAR LIMTED / CANADIAN OCCIDENTAL PETROLEUM LTD

Date of Survey (from & to): 5 Day | 6 Mo. | 82 Yr. | 4 Day | 7 Mo. | 82 Yr.

Total Miles of line Cut: 11.78 LINE-KM.

Name and Address of Author (of Geo-Technical report): RENÉ BISSONNETTE SUITE 400 - 255 ALBERT ST, OTTAWA, ONTARIO K1P 6A9

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	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days		**Days per Claim**
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	3.7
	- Magnetometer	4.6
	- Radiometric	
	- Other	
	Geological	5.6
	Geochemical	4.4
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.
Pa	569065	4.7
	569066	4.7
	569067	4.7
	569068	4.7
	569069	4.7
	569070	4.7
	569071	4.7
	569072	4.7
	569073	4.7
	569074	4.7
	569075	4.7
	569076	4.7
	569077	4.7
	569078	4.7
	569079	4.7

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
SEP 16 1982
MINING LANDS SECTION

PATRICIA MINING DIV.
RECEIVED
SEP - 7 1982
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.

Expenditures (excludes power stripping)

Type of Work Performed: SECT 77-79 ROCH AND SOIL SAMPLES ANALYSIS / PETROGRAPHY

Performed on Claim(s): "B" CLAIM GROUP

Calculation of Expenditure Days Credits

Total Expenditures: $ 1065.- ÷ 15 = Total Days Credits: 71

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.

Pa. 569065

Total number of mining claims covered by this report of work: 15

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
345	Sept. 7, 1982	
	Date Approved as Recorded	Branch Director

Date: Sept 3. 1982

Recorded Holder or Agent (Signature):

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: RENÉ BISSONNETTE SUITE 400, 255 ALBERT ST OTTAWA, ONTARIO K1P 6A9

Date Certified: Sept. 3 1982

Certified by (Signature):

Assessment Work Breakdown

"B" CLAIM GROUP

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey: MAGNETOMETER

Technical Days			Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
4	X	7	28	+	40.6	=	68.6	÷	15	=	4.6

Type of Survey: MAX-MIN II

Technical Days			Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
8	X	7	56	+	—	=	56	÷	15	=	3.7

Type of Survey: GEOLOGICAL

Technical Days			Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
12	X	7	84	+	—	=	84	÷	15	=	5.6

Type of Survey: GEOCHEMICAL

Technical Days			Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim
9.5	X	7	66.5	+	—	=	66.5	÷	15	=	4.4

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.5047

Date 1983 08 03

Mining Recorder's Report of Work No. 82-101

Recorded Holder
ELDORADO NUCLEAR LIMITED

Township or Area
ERICHSEN LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days 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.	$1065.00 spent on petrographic studies and assaying samples taken from Mining Claims PA 569065 to 79 inclusive. 71 days credit allowed which may be grouped in accordance with Section 76(6) of the Mining Act. For Mining Recorder use: The work assignment for each of the above listed 15 claims is 4.7 days per claim.

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

Geotechnical Report Approval

File 2.5047

Jan 10/83

Mining Lands Comments

- no qualifications ✓
- maps not signed
- geology map not coloured
- no key maps. OK! — location map will do
-

☑ To: Geophysics Mr Barlow

Comments

- EM map requires readings to be plotted

☐ Approved ☑ Wish to see again with corrections — Date: Feb 28/83 — Signature: [signature]

☑ To: Geology - Expenditures Mr. Kustra

Comments

Approved

☑ Approved ☐ Wish to see again with corrections — Date: Mar 15/83 — Signature: C Kustra

☑ To: Geochemistry Dr Fortescue

Comments

Few sample locations relative to size of map

☑ Approved ☐ Wish to see again with corrections — Date: March 16th — Signature: J.A.C. Fortescue

☐ To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1593 (81/10)

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

may 13th.

File 2.5047

Mining Lands Comments

You wanted to see this [illegible]

☑ To: Geophysics Mr Barlow.

Comments

☑ Approved ☐ Wish to see again with corrections

Date: July 26/83 Signature: Douglas H. Pitcher

☐ To: Geology - Expenditures

Comments

☐ Approved ☐ Wish to see again with corrections

Date | Signature

☐ To: Geochemistry

Comments

L.D.

☐ Approved ☐ Wish to see again with corrections

Date | Signature

☐ To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1593 (81/10)

September 2, 1982

No invoice for the petrography has been received to date. The agreed cost of the study is $30.00 per description. A total of four descriptions were completed; the total cost will be $120.00. A copy of the invoice, when received, will be forwarded to your office.

René Bissonnette
Project Geologist

ELDORADO
ELDORADO NUCLEAR LIMITED Suite 400, 255 Albert Street, Ottawa, Canada K1P 6A9, (613) 238-5222

53B15NE0011 53B15NE0011 ERICHSEN LAKE

900 September 2, 1982

Mr. Fred M tthews
Supervisor, Project Unit
Mining Lands Section
Ministry Natural Resources
Room 6450, Whitney Block
Queen's Park
Toronto, Ontario
M7A 1W3

Dear Sir:

Please find enclosed 2 copies of assessment report on the B Claim Group, North Caribou area. If you have any questions or comments, please do not hesitate to call me at the above number.

Yours very truly,

ELDORADO NUCLEAR LIMITED

René Bissonnette
Project Geologist

:fr
Encl.

1982 10 01 2.5047

Mining Recorder
Ministry of Natural Resources
P.O. Box 669
Sioux Lookout, Ontario
P0V 2T0

Dear Sir:

We have received reports and maps for a Geophysical (Electromagnetic and Magnetometer) Geological and Geochemical Survey on Mining Claims PA 569065 et al in the Area of Erickson Lake.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone 416/965-1316

J. Skura:sc

cc: Eldorado Nuclear Limited
Ottawa, Ontario
Attn: Rene Bissonnette.

1983 04 22 2.5047

Eldorado Nuclear Limited
Suite 400
255 Albert Street
Ottawa, Ontario
K1P 6A9

Attention: R. Bissonnette

Dear Sirs:

RE: Geophysical (Electromagnetic & Magnetometer) Geological and Geochemical Surveys submitted on Mining Claims PA 569065 et al in the Area of Erickson Lake.

Enclosed are the plans, in duplicate, for the above mentioned survey. In order to complete your submission we require the following:

a) that all maps be signed and dated by the author of the report.

b) qualifications of the author. Please submit a brief resume for our records.

c) original readings must be plotted on the electromagnetic maps.

For further information, please contact Mr. F.W. Matthews at 416/965-1380.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6460
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

R. Pichette:sc

Encls:

cc: Mining Recorder
Sioux Lookout, Ontario

ELDOR RESOURCES LIMITED

Suite 400, 255 Albert Street, Ottawa, Canada K1P 6A9, (613) 238-5222

May 10, 1983

Ministry of Natural Resources
Land Management Branch
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1WA

Attention: E.F. Andrews, Director

Dear Sir:

Please find enclosed the plans, in duplicate, with the corrections made which you requested in order to make them conform to standards for assessment reports. Also included are the qualifications of the author of the report, in duplicate. These should accompany the assessment report of Mining Claims PA 569065, et al.

If there are further questions, please contact me directly.

Yours very truly,

ELDOR RESOURCES LIMITED

Gary Williams

Gary D. Williams
Project Geologist

GAW/cpj

#82-101

August 3, 1983 2.5047

Mr. Albert Hanson
Mining Recorder
Ministry of Natural Resources
P.O. Box 669
Sioux Lookout, Ontario
P0V 2T0

Dear Sir:

RE: Assaying submitted under Section 77(19) of the Mining Act R.S.O. 1980 on Mining Claims PA 569065 et al in the Area of Erichsen Lake

---

The enclosed statement of assessment work credits for assaying expenditures has been approved as of the above date.

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

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-1380

D. Kinvig:mc

Encl.

cc: Eldorado Nuclear Limited
Suite 400
255 Albert Street
Ottawa, Ontario K1P 6A9

cc: Resident Geologist
Sioux Lookout, Ontario

AREA OF

ERICHSEN L.

DISTRICT OF
KENORA
(PATRICIA PORTION)

PATRICIA
MINING DIVISION

SCALE: 1-INCH = 40 CHAIN.

LEGEND

2.5047
NATIONAL TOPOGRAPHIC SERIES 53 E

PLAN NO. M.2701

FOR ADDITIONAL INFORMATION SEE MAPS:

S3B|ISNE-0011 #1-#5

Ontario Ministry of Natural Resources

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

#82-101

The Mining Act

(2.5047)

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

"B" CLAIM GROUP

Type of Survey(s)	Township or Area
GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL	ERICKSON LAKE M 2701

Claim Holder(s)	Prospector's Licence No
ELDORADO NUCLEAR LIMITED	T-1098

Address: SUITE 400, 255 ALBERT ST., OTTAWA, ONTARIO K1P 6A9

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
ELDORADO NUCLEAR LIMITED / CANADIAN OCCIDENTAL PETROLEUM LTD	5 Day 6 Mo. 82 Yr. — 4 Day 7 Mo. 82 Yr.	11.78 LINE-KM.

Name and Address of Author (of Geo-Technical report): RENÉ BISSONNETTE SUITE 400 - 255 ALBERT ST, OTTAWA, ONTARIO K1P 6A9

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	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	3.7
	- Magnetometer	4.6
	- Radiometric	
	- Other	
	Geological	5.6
	Geochemical	4.4
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.
Pa	569065	4.7
	569066	4.7
	569067	4.7
	569068	4.7
	569069	4.7
	569070	4.7
	569071	4.7
	569072	4.7
	569073	4.7
	569074	4.7
	569075	4.7
	569076	4.7
	569077	4.7
	569078	4.7
	569079	4.7

Pa 569078 - credits approved due to excessive time to assess file

PA 569078 - CREDITS APPROVED DUE TO EXCESSIVE TIME TO ASSESS FILE

PATRICIA MINING DIV. RECEIVED SEP - 7 1982 A.M. P.M.

Pa. 569065

Total number of mining claims covered by this report of work: 15

Expenditures (excludes power stripping)

Type of Work Performed: SECT 77-19 ROCK AND SOIL SAMPLES ANALYSIS / PETROGRAPHY

Performed on Claim(s): "B" CLAIM GROUP

Calculation of Expenditure Days Credits

Total Expenditures: $ 1065.- ÷ 15 = Total Days Credits: 71

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: 345	Date Recorded: Sept. 7, 1982	Mining Recorder: A. Hanson
	Date Approved as Recorded: 85:07:17	Branch Director:

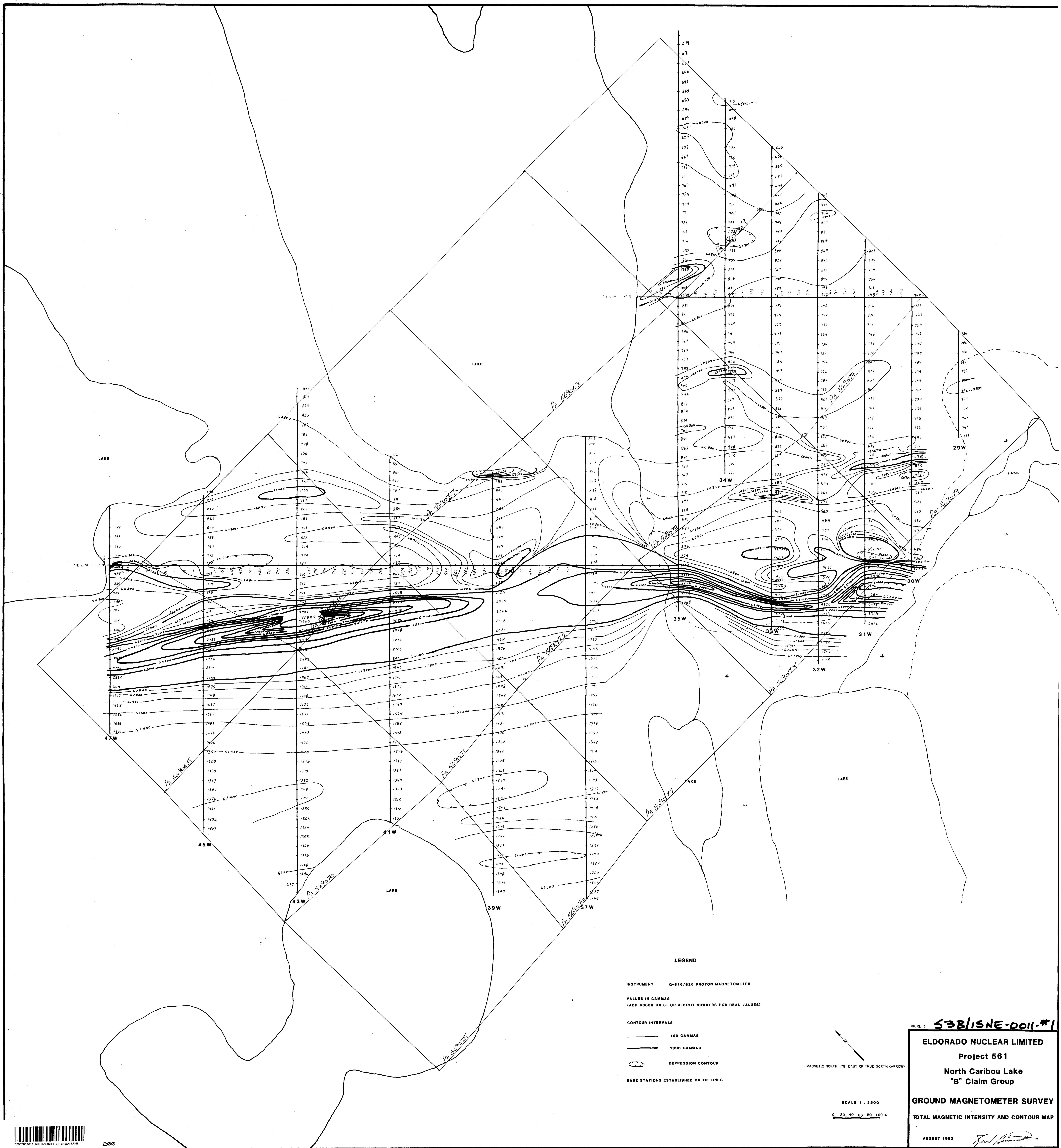
Date: Sept 3. 1982 — Recorded Holder or Agent (Signature):

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: RENÉ BISSONNETTE SUITE 400, 255 ALBERT ST OTTAWA, ONTARIO K1P 6A9

Date Certified: Sept. 3 1982 — Certified by (Signature):



53B15NE0011 53B15NE0011 ERICHSEN LAKE 200

2.5047

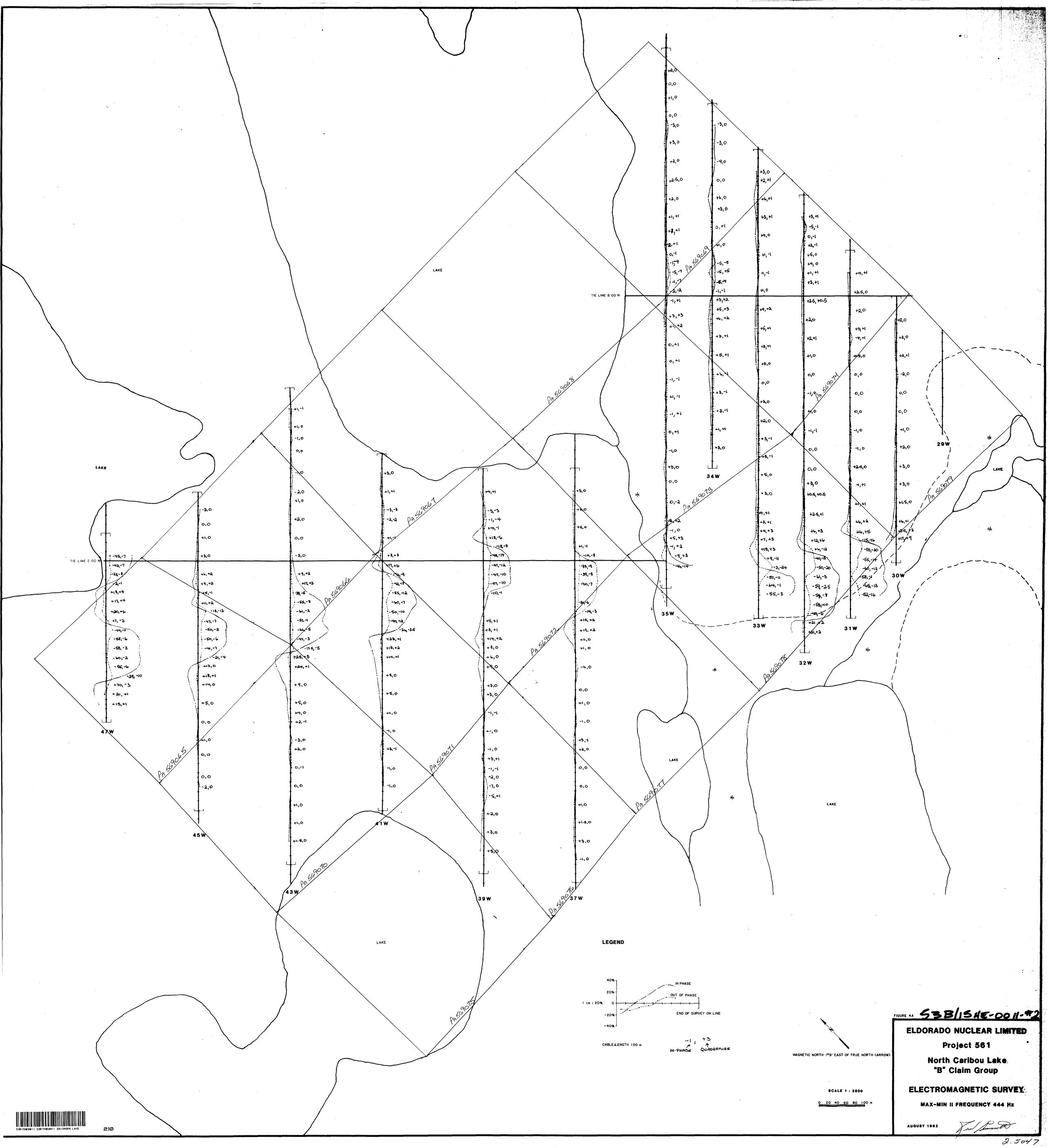


FIGURE 4A 53B/15NE-0011-#2

ELDORADO NUCLEAR LIMITED

Project 561

North Caribou Lake
"B" Claim Group

ELECTROMAGNETIC SURVEY

MAX-MIN II FREQUENCY 444 Hz

AUGUST 1982

53B15NE0011 53B15NE0011 ERICHSEN LAKE

210

2.5047

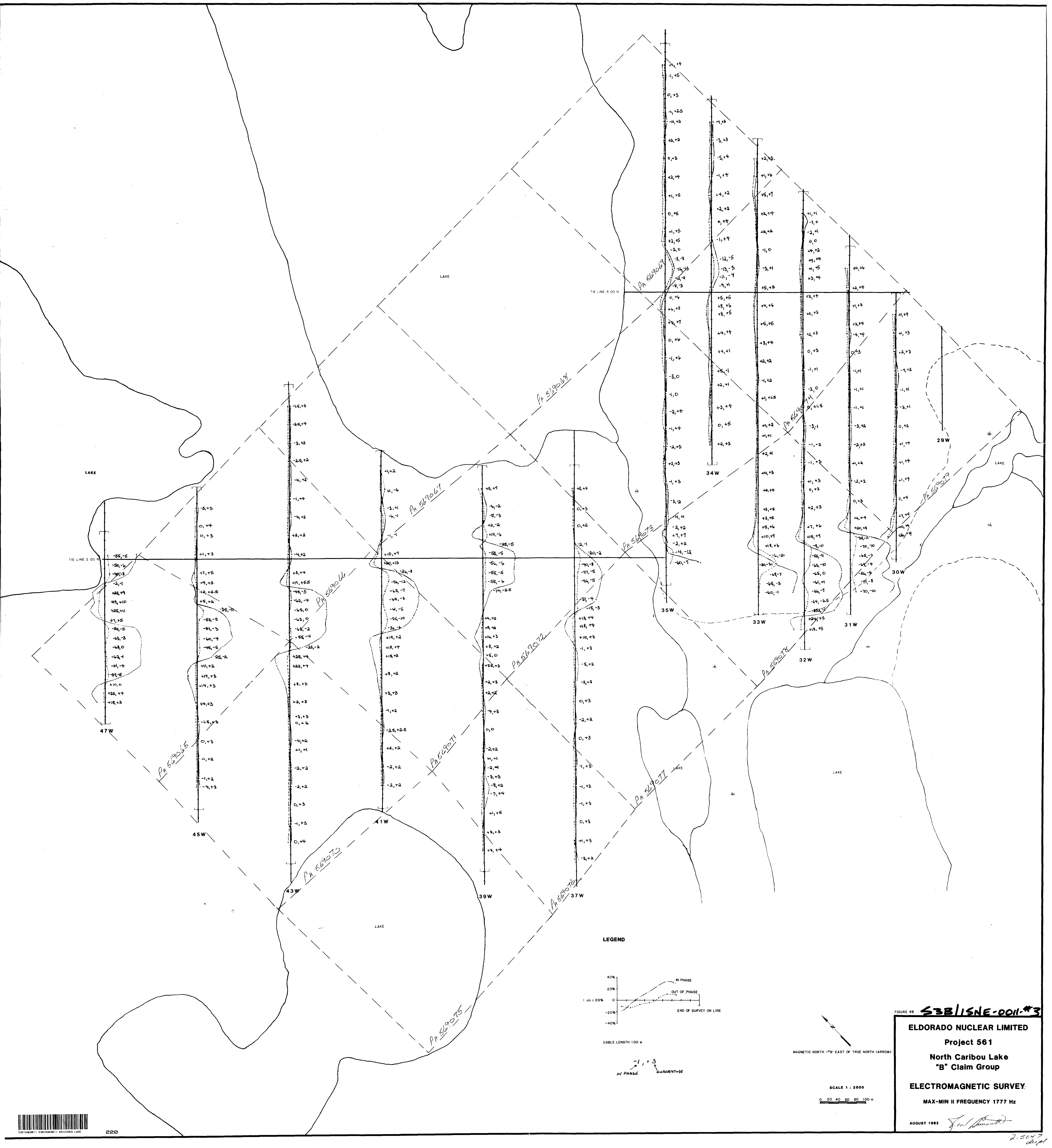


FIGURE 4B 53B/15NE-0011-#3

ELDORADO NUCLEAR LIMITED

Project 561

North Caribou Lake
"B" Claim Group

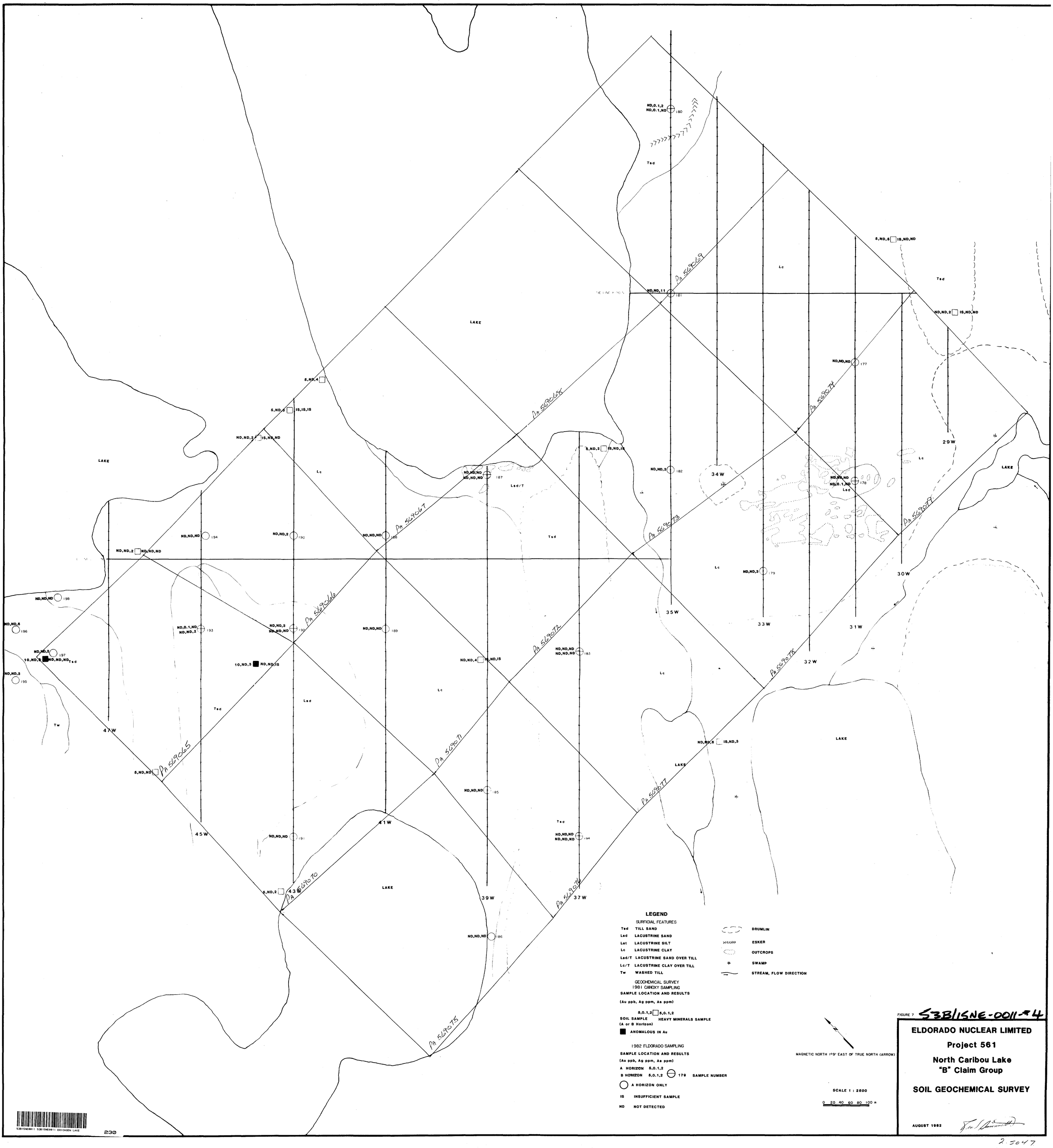
ELECTROMAGNETIC SURVEY

MAX-MIN II FREQUENCY 1777 Hz

AUGUST 1982 [illegible]

53B15NE0011 53B15NE0011 ERICHSEN LAKE 220

2.5047



LEGEND

SURFICIAL FEATURES

Tsd	TILL SAND		DRUMLIN
Lsd	LACUSTRINE SAND	>>>>>>	ESKER
Lst	LACUSTRINE SILT		OUTCROPS
Lc	LACUSTRINE CLAY	*	SWAMP
Lsd/T	LACUSTRINE SAND OVER TILL		STREAM, FLOW DIRECTION
Lc/T	LACUSTRINE CLAY OVER TILL		
Tw	WASHED TILL		

GEOCHEMICAL SURVEY
1981 CANOXY SAMPLING
SAMPLE LOCATION AND RESULTS
(Au ppb, Ag ppm, As ppm)

5,0.1,2 SOIL SAMPLE (A or B Horizon)
5,0.1,2 HEAVY MINERALS SAMPLE

ANOMALOUS IN Au

1982 ELDORADO SAMPLING
SAMPLE LOCATION AND RESULTS
(Au ppb, Ag ppm, As ppm)

A HORIZON 5,0.1,2
B HORIZON 5,0.1,2 179 SAMPLE NUMBER

A HORIZON ONLY

IS INSUFFICIENT SAMPLE

ND NOT DETECTED

MAGNETIC NORTH 19° EAST OF TRUE NORTH (ARROW)

SCALE 1 : 2500

0 20 40 60 80 100 m

FIGURE 7 53B/15NE-0011-4

ELDORADO NUCLEAR LIMITED

Project 561

North Caribou Lake "B" Claim Group

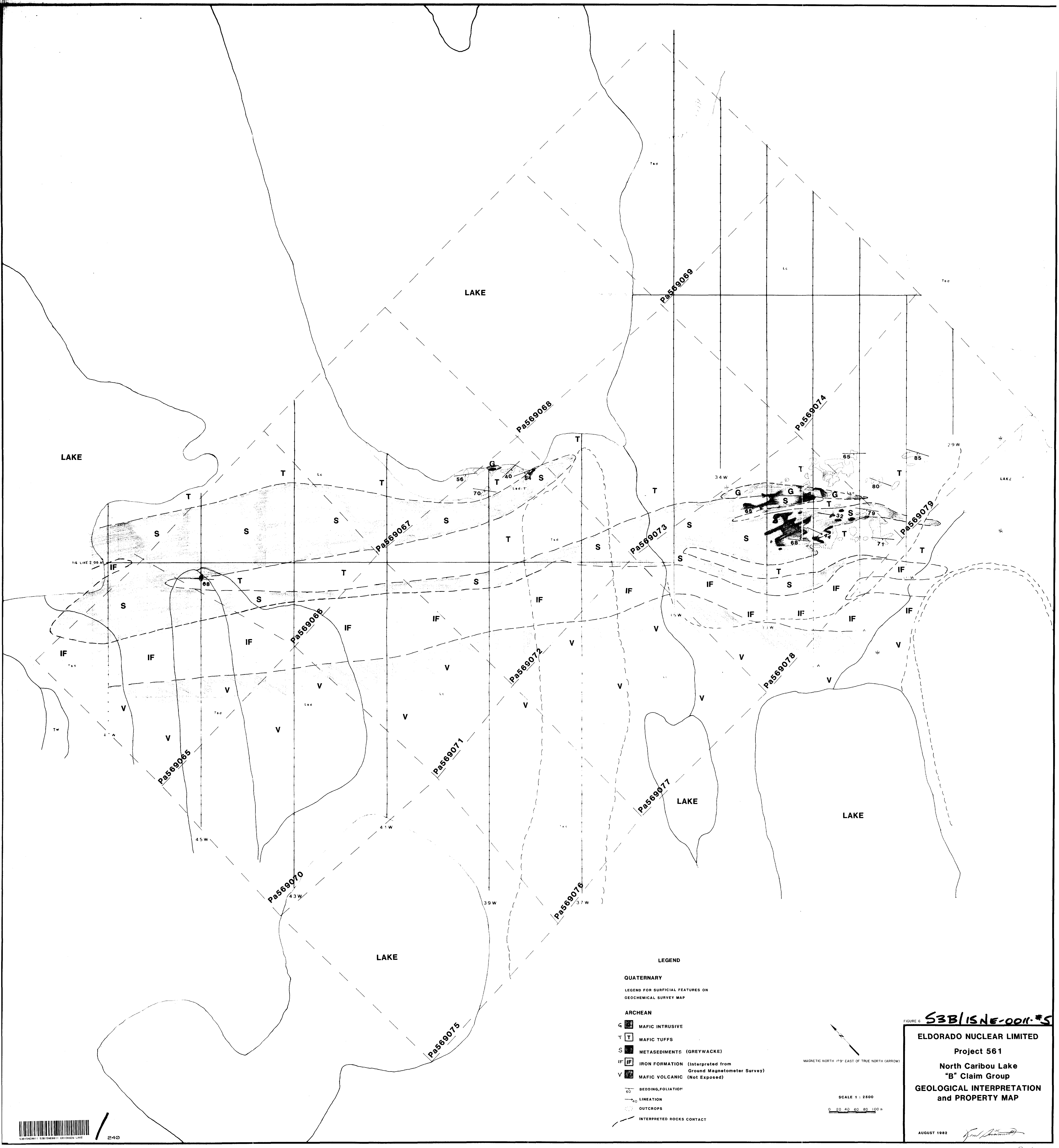
SOIL GEOCHEMICAL SURVEY

AUGUST 1982

53B15NE0011 53B15NE0011 ERICHSEN LAKE

230

2.3047



LEGEND

QUATERNARY

LEGEND FOR SURFICIAL FEATURES ON GEOCHEMICAL SURVEY MAP

ARCHEAN

G ▨ MAFIC INTRUSIVE

T [T] MAFIC TUFFS

S ▨ METASEDIMENTS (GREYWACKE)

IF [IF] IRON FORMATION (Interpreted from Ground Magnetometer Survey)

V ▨ MAFIC VOLCANIC (Not Exposed)

60 BEDDING, FOLIATION

40 LINEATION

OUTCROPS

INTERPRETED ROCKS CONTACT

MAGNETIC NORTH 1°9' EAST OF TRUE NORTH (ARROW)

SCALE 1 : 2500

0 20 40 60 80 100 m

FIGURE 6 53B/15NE-0011-#5

ELDORADO NUCLEAR LIMITED

Project 561

North Caribou Lake "B" Claim Group

GEOLOGICAL INTERPRETATION and PROPERTY MAP

AUGUST 1982 [illegible]

53B15NE0011 53B15NE0011 ERICHSEN LAKE

240

2.5047