

52E10NW9475 2.8337 ECHO BAY

010

1985 PROGRAM
WORK REPORT
SHOAL LAKE PROPERTY
GLASS TOWNSHIP
KENORA MINING DIVISION
NTS 52E/10

RECEIVED

AUG - 6 1985

MINING LANDS SECTION

Jens E. Hansen, P.Eng.
Nepean, Ontario
August 1, 1985
Project: 60-172



52E10NW9475 2.8337 ECHO BAY

010C

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APPENDIX A - Geochemical Analysis

SHOAL LAKE PROPERTY - GLASS TOWNSHIP

- MAP 1 - Geology 1:2,500
- MAP 2 - VLF Profiles 1:2,500
- MAP 3 - Magnetic Contours 1:2,500
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ECHO BAY PROPERTY - ECHO BAY AND BOYS TOWNSHIPS

- MAP 1 - Geology 1:2,500
- MAP 2 - VLF Profiles 1:2,500
- MAP 3 - Magnetic Contours 1:2,500
- MAP 4 - VLF-EM Contours 1:2,500

1. INTRODUCTION

The present report covers work on two groups of unpatented mining claims in the Shoal Lake Area carried out by Taiga Consultants Ltd. of Calgary during June 1985.

The claims are being explored on a joint venture basis by Golden Rule Resources Ltd. and Northern Abitibi Mining Corp. Seventeen of the claims are due east of Bag Bay and are contiguous with a block explored by the joint venture in 1984. The second group of the claims is located 4 kilometres to the north on the south shore of Echo Bay.

Both claim groups cover gold occurrences located around the turn of the century and the objective of the present work is to gather more information on these occurrences using geology and geophysics.

A total of 31 line kilometres of profile were cut, picketed, mapped and surveyed.

2. PROPERTY LOCATION

Thirty five kilometres west of Kenora on Highway 17, access is gained by the road to Clytie Bay and Rush Bay. A bush road from Clytie Bay reaches the present property but it is not accessible by ordinary motor vehicle. The Shoal Lake claims are three kilometres from the Clytie Bay boat ramp and from there they can be reached by motor boat. The Echo Bay claims can be reached on foot by a short walk from the Rush Bay road.

The location is shown on FIGURES 1 and 2.

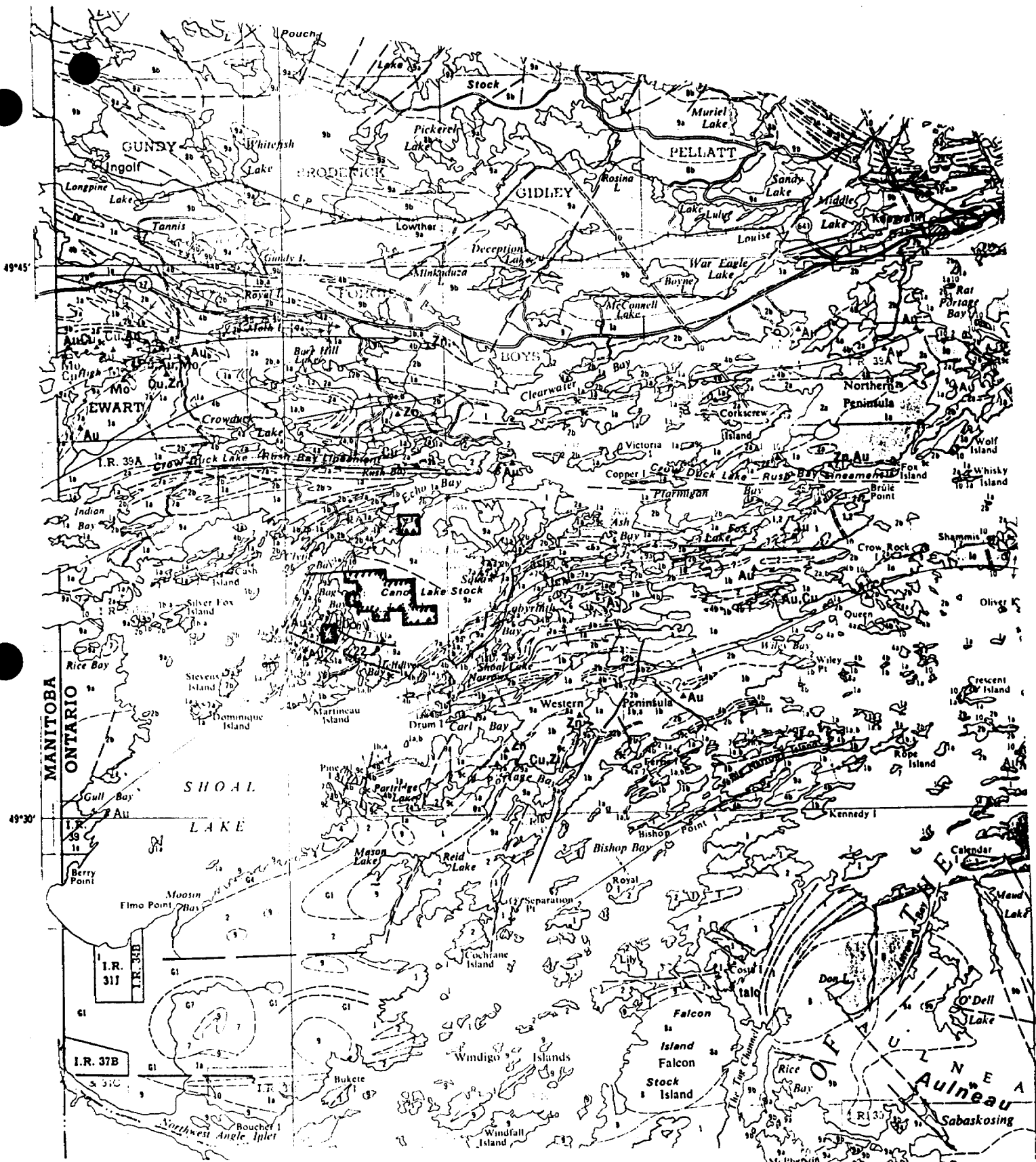


FIGURE 1

Location

Scale 1:250,000
From Map 2443

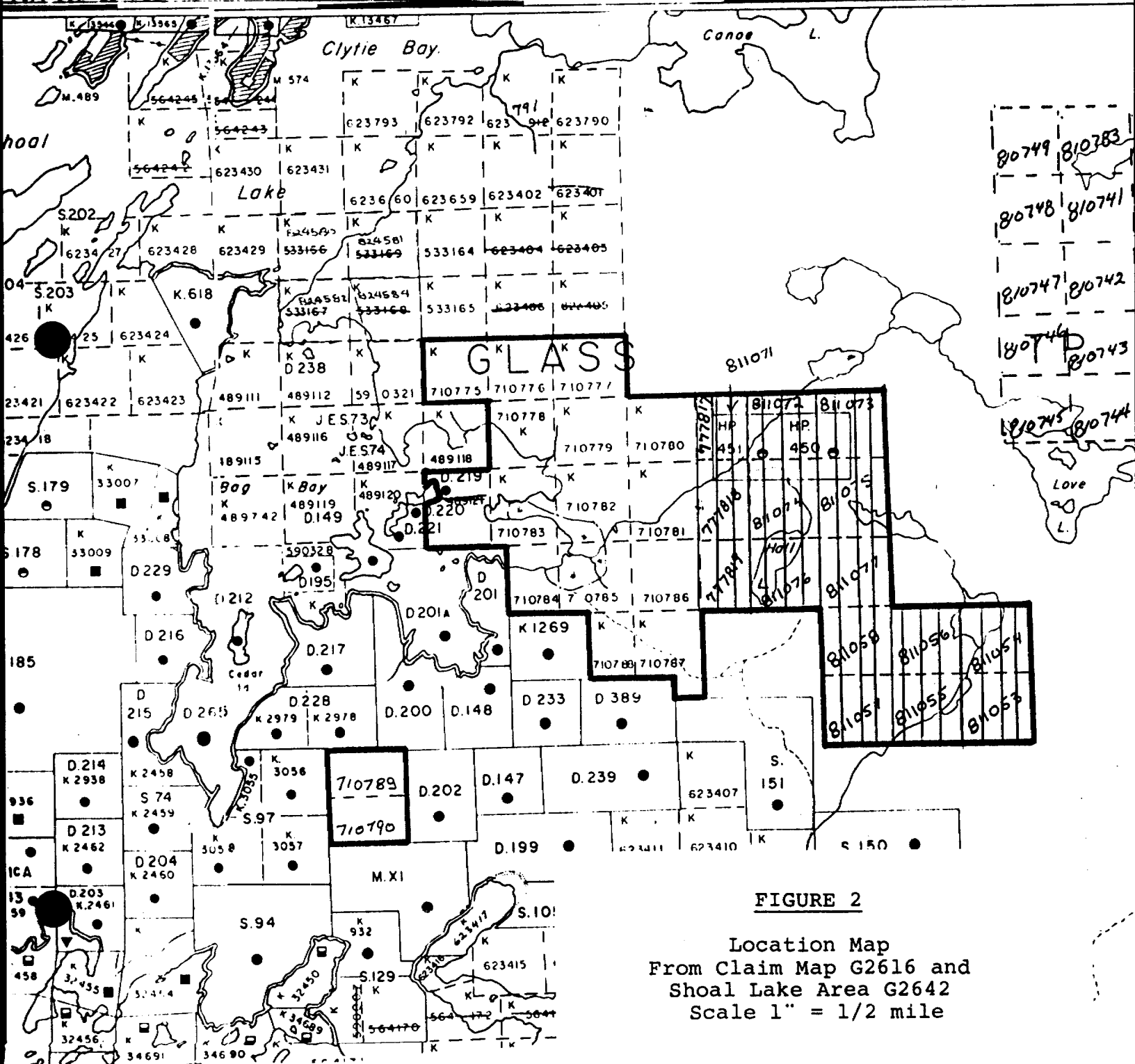
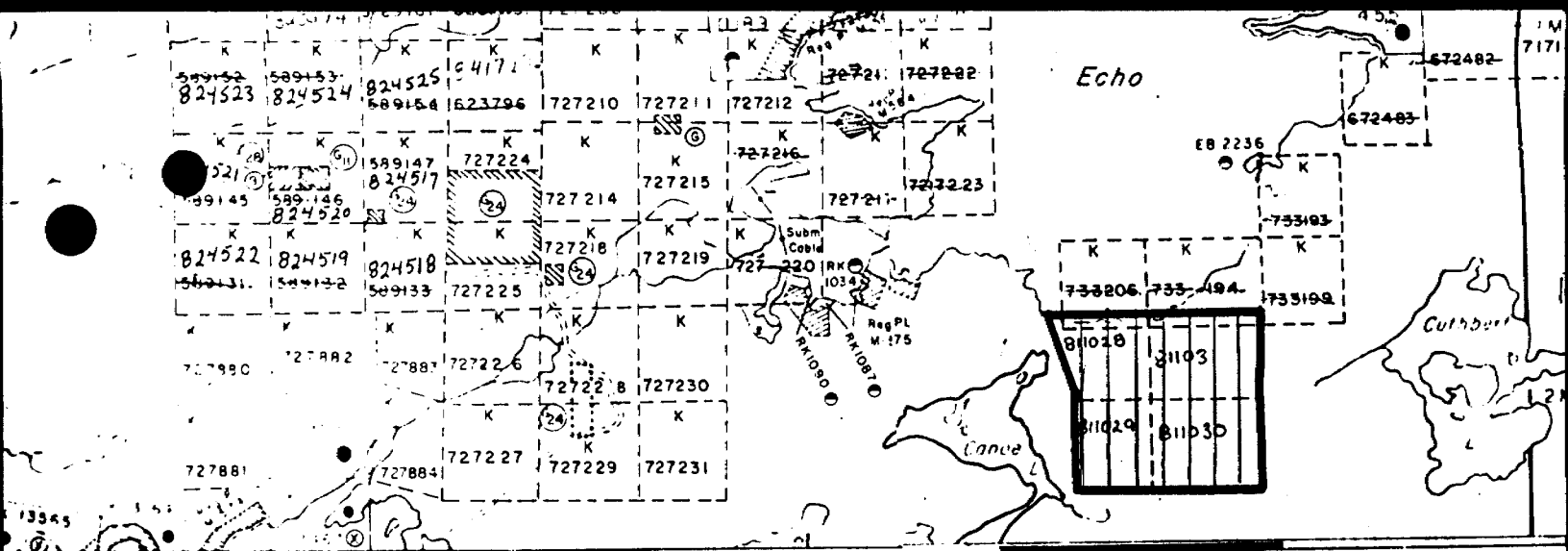


FIGURE 2
 Location Map
 From Claim Map G2616 and
 Shoal Lake Area G2642
 Scale 1" = 1/2 mile

3. PERSONNEL

The ground geophysical survey was carried out by Taiga Consultants Ltd. of Calgary.

Their five man crew consisted of C. Aussant, T. Termunde, R. Bell, W. McLeod and G. Johnson.

4. GEOLOGY AND PREVIOUS WORK

The Shoal Lake region underwent extensive exploration for gold during the late 1800's and a number of deposits were discovered near the western contact of the Canoe Lake Stock with northeasterly trending volcanics.

A prospect called the Bullion Mine appears to have been located on the present claims. The two claim groups south west of Bag Bay was covered by patented claim D232.

The Mikado Mine located on patent D200, one kilometre southwest of the claims was the most productive gold deposit in this portion of Shoal Lake.

It is believed that the gold occurrences along the western margin of the Canoe Lake Stock are related to the intrusion of the stock. Three past producers namely Cedar Island (Cornucopia), Mikado and Olympia are located near the contact. These deposits are primarily hosted by quartz veins within altered volcanics. The veins carry pyrite, chalcopyrite, molybdenite and native gold.

On the present claims, exploration is intended to locate shear or fracture zones within the Canoe Lake Stock itself and near its contact with the surrounding volcanic rocks. These zones of weakness could contain concentrations of gold mineralization.

The assessment files do not contain any records of work carried out on these claims with the exception of the two claim southern group where Denison did ground geophysics in 1980. The present joint venture conducted a geophysical program over 16 claims of this group in 1984.

5. PRESENT PROGRAM

Geology

Geological mapping was carried out over the same traverses used for the geophysical surveying. The results are presented on two maps, one of which presents data over the Echo Bay property (Great Granite Occurrence) and the other over the Shoal Lake claims.

The Echo Bay claims are located within the Canoe Lake Stock which consists of medium grained, massive granodiorite. Shearing was noted in places. Fine grained quartz diorite was noted on claim K811030. The claims cover what is known as the Great Granite Occurrence (#117 Mineral Deposits Circular 16) on which a 70 foot shaft and several pits were put down around the year 1900. The shaft was located with respect to the present grid.

Several rock samples were taken by C. Aussant in the vicinity of the shaft during a visit to the site in the fall of 1984. These are listed below.

Au ppb

CA-1	massive quartz diorite, porphyritic, north-south trending quartz stringers 3 cm wide; barren appearance, en echelon lens one metre long extending across outcrop for 3 metres.	2
------	--	---

Occurrence 117: from Mineral Deposit Circular #16 (1976) "Gold Deposits of the Kenora - Fort Frances Area; Great Granite Occurrence." Located 160 m south of the southern point of Echo Bay. Shaft 4 m square, filled with water.

Au ppb

CA-2	grab	from shaft wall; wallrock, quartz diorite, coarse quartz eye porphyry.	4
CA-3	grab	from shaft wall; chloritic sheared quartz eye porphyry, disseminated Py.	60
CA-4	grab	from shaft wall; sericite schist (shear zone), minor green malachite, minor pyrite.	890
CA-5	grab	from shaft wall; sheared quartz diorite, diss Py; shearing @ 276°/vertical; approx width of shear is one metre.	416
CA-6	grab	from dump; sheared quartz diorite disseminated pyrite, siliceous.	356

The Shoal Lake property is also entirely contained within the Canoe Lake granodiorite stock. Fracturing and shearing was noted at a number of locations and many of these were filled with quartz veins.

In the southwestern portion of the property rusty weathered basalts were noted. These appear to occupy a northeasterly trending shear within the granodiorite.

The claims cover numerous old pits and shafts. These were sampled in the fall of 1984 and again during the present survey. The present results are not available but those from the fall of 1984 are tabulated below and the locations of the pits and shafts are shown on FIGURES 3 and 4.

1984 Shaft A, Pit B and Shaft C are located at Station 7+00N on Line 5+00W and Shaft D, Shaft E, Trench F, Shaft H and Trench G are located in the vicinity of Station 4+00N on Line 5+00W.

Au ppb

F-1 548 m west of #2 post of claim 777818 not assayed
shear @ 144°/dip 85°W; quartz-chlorite
schist, calcareous, rusty weathering,
minor disseminated pyrite.

Shaft 'A': Location 22 m @ 290° from shaft to
L.0+00, 5+50S. Shaft filled with water to
surface. Shaft sunk in medium- to coarse-grained
massive granodiorite containing a 10-20 cm shear
containing 2 cm quartz stringers. Shear zone dis-
seminated with pyrite cubes.

A-1 massive coarse-grained white to pink grano- 8
diorite disseminated with minor pyrite (grab
sample from dump).

A-2 sheared granodiorite, fine to medium 86
grained, chloritic, siliceous, containing
numerous Py cubes (grab sample from dump).

Pit 'B': Location L.0+00, 5+58S. Pit 2m x 4m
x 1.5m deep. Continuous chip samples collected
across shearing.

B-1 0.6 m massive granodiorite. 4

B-2 0.1 m quartz vein and chlorite schist, 472
minor malachite staining, disse-
minated Py; strike 330°, dip
88°NE.

Au ppb

B-3	0.7 m	massive granodiorite, minor disseminated Py.	18
B-4	0.1 m	narrow 1 cm quartz veinlet in massive granodiorite, minor disseminated Py; strike 320°, dip 84°NE.	248
B-5	grab	from dump, boulder 10-15 cm wide, mainly quartz, containing narrow chlorite shear stringers, disseminated with Py cubes.	24

Shaft 'C': Location 12 m from L.0+00, 5+50S @ 070°. Shaft sunk into massive coarse-grained pinkish granodiorite; not accessible - filled with water; large dump.

C-1	grab	from dump; siliceous, chloritic greenish granodiorite, disseminated Py, altered and sheared; narrow quartz stringer 1 cm wide lining edge of boulder.	122
C-2	grab	from dump; sheared, siliceous, sericitic granodiorite, highly altered disseminated Py.	318
C-3	grab	from dump; as C-2	544

Shaft 'D': Size 4m x 4m; filled with water nearly to surface. Wallrock is a massive pink granodiorite. Massive white quartz boulders found in dump up to 15 cm in diameter. The quartz boulders are sheared; chloritic and pyritic in bands. Also in dump, highly oxidized and pyritic sheared granodiorite boulders.

Au ppb

- D-1 grab from dump; rusty weathering, highly 278
pyritic chlorite schist (shear zone).
- D-2 grab from dump; massive quartz vein con- 144
taining minor diss Py and sheared
chloritic & pyritic highly altered
granodiorite.
- D-3 grab from dump; rusty weathered, pyritic, 470
siliceous, calcareous chlorite schist
(shear) - previously broken by Geotec.

Shaft 'E': filled with water, unaccessible; wallrock
massive white granodiorite. Shear strike 300°, dip
steeply NE, approximate width 1.5 metres.

- E-1 grab from dump; boulder approx 20cm², 6000
massive quartz-carbonate vein dis-
seminated with Py within chlorite
schist (shear).
- E-2 wallrock, massive white granodiorite 22

Trench 'F': within sheared granodiorite; pyritic shear
stringers @ 150°, dip 70°NE, and @125°, dip 70°NE;
continuous chips.

- F-1 0.6 m rusty weathering sheared grano- 488
diorite with narrow pyritic stringers
& minor narrow quartz-calcite lens.
- F-2 0.7 m massive granodiorite with numerous 178
narrow pyritic shear stringers,
chloritic, siliceous.
- F-3 0.7 m massive granodiorite, highly altered 94
siliceous, chloritic, disseminated
Py.

Au ppb

Trench 'G': under fallen tree, dug by Geotec.

G-1 0.6 altered zone; narrow quartz stringers 780
in sheared granodiorite, shearing @
160°, vertical.

Shaft 'H': inaccessible, at least 20 feet deep,
filled with water to this level. Highly sheared
calcareous, chloritic granodiorite; calcareous quartz
veining present at least 6 cm in diameter; shear dis-
seminated with pyrite, strike 170°, vertical, width
not determined due to inaccessibility.

H-1 grab from dump; sheared granodiorite, 7100
siliceous, chloritic, disseminated
Py.

NOTE: The line and station numbers referred to above
are from the 1984 survey grid. The corresponding
locations on the present grid are shown on
FIGURES 3 and 4.

Scale 1:250



50100
1994

LINE S+00W (1985)

Shaft 'A'

	PPB Au
A-1	8
A-2	86

	PPB Au
c-1	122
c-2	319
c-3	544

Shaft 'c'

7+00N

5+00S

	PPB Au
B-1	4
B-2	472
B-3	18
B-4	248
B-5	24

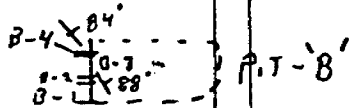


FIGURE 3

Shoal Lake, Ontario
Sample Locations

Figure 3

6. MAGNETICS AND VLF ELECTROMAGNETICS

All of the gold occurrences (13 in all) in and around the Canoe Lake Stock exhibit some degree of structural control. This may be revealed by VLF conductors or by interpreted faults indicated by the magnetics.

Gold mineralization may also be associated with magnetite, pyrrhotite or pyrite. Any isolated magnetic anomaly should be investigated because it will indicate the presence of pyrrhotite or magnetite.

The typical background magnetic value in the area is 59,700 gammas. The gamma value in brackets in the list below indicates the amplitude of the residual magnetic anomaly.

The magnetic anomalies at the locations listed below should be investigated in greater detail.

SHOAL LAKE AREA

<u>Location</u>	<u>Comments</u>	<u>Followup</u>
Line 5+00N, Stn 0+75N to 1+75N	Anomalies to 69,000 gammas (10,000 gamma anomaly).	Yes
Line 5+00N, Stn 4+25N	Coincides with shafts (200 gamma anomaly)	Yes
Line 2+50W, Stn 3+75N	Coincides with VLF conductor "H" (100 gammas)	Yes

	<u>Comments</u>	<u>Followup</u>
Line 2+50W, Stn 9+25N Line 1+25W, Stn 10+00N	Possibly associated with shearing (250 gammas)	Yes
Line 5+00E, Stn 2+37N	Isolated, high amplitude (500 gammas)	Yes
Line 5+00E, Stn 3+50N	Approximately coincident with VLF Conductor "H" (200 gammas)	Yes
Line 10+00E, Stn 5+50 to 7+00S Line 11+25E, Stn 3+25 to 4+50S Line 12+50E, Stn 3+00 to 3+75S Line 15+00E, Stn 0+00 to 1+00S	This series of anomalies coincides with mapped rusty gabbro-possibly filling a shear zone (2,500 gammas)	Yes
Base line Stn 0+00 to 5+00W	A series of magnetic highs occur along the base line.	Yes

VLF CONDUCTORS

	<u>Comments</u>	<u>Followup</u>
Conductor 1	The Conductor is weak. Sample C85-16 was taken here. It contained disseminated pyrite along a contact.	Yes
Conductor 2	Coincides with a creek and a swamp.	No
Conductors 3,4,5,6	<u>Highest Priority</u>	
	These conductors are all part of the same long northeasterly trend. They all occur in a swampy area.	Yes
	Conductor 3 is located immediately south of Shafts A, B and C where rock sampling in 1984 returned values up to 7100 ppb gold. A 100 x 100 m soil sampling grid was laid out in this area in 1985, the results of the sampling were not ready at the time of writing.	
	These could be caused by bedrock sources.	
Conductors 7,9	Approximately coincident with magnetic anomalies.	Yes
Conductor 8	Probably clays in a swamp	No
Conductor 10	Sharp crossover, possibly clays in a swamp.	Yes

Comments

Followup

Conductors 11,12,13

Probably overburden

No

ECHO BAY AREA (GREAT GRANITE OCCURRENCE)

There were no magnetic anomalies or VLF conductors in the vicinity of the Great Granite shaft.

The magnetic contour map of the area is featureless.

There were three conductors located (14,15,16).

Of these 14 and 15 are probably caused by overburden.

Conductor 16 should be followed up.

6. CONCLUSIONS AND RECOMMENDATIONS

All of the Magnetic and VLF Electromagnetic targets suggested for followup in the previous section merit follow-up using a detailed soil geochemical grid. There are a total of at least 12 individual targets.

The highest priority area is represented by the trend containing Conductors 3, 4, 5 and 6. Numerous shafts and pits are located on both the north and the south side of these conductors where there is outcrop. The conductors themselves coincide with an extensive northeasterly trending swampy area. Many rock samples from the pits ran in excess of 500 ppb gold with the highest being 7100 ppb gold (0.2 oz/t).

The Great Granite occurrence appears to be of limited interest. Only one target was located on this claim group.

Respectfully submitted,


JENS E. HANSEN, J.P.E. ENG.


August 1, 1985



C E R T I F I C A T E

I, Jens Eskelund Hansen of the City of Nepean, in the Municipality of Ottawa-Carleton do hereby declare:

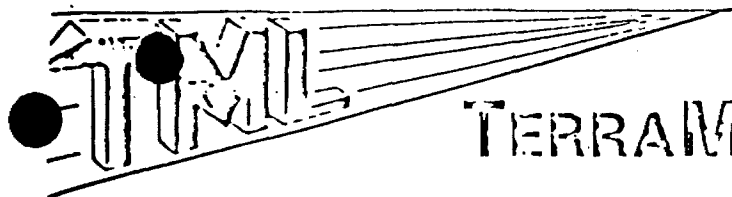
1. That I am a consulting geophysicist residing at 19 Nesbitt Street, Nepean, Ontario K2H 8C4;
2. That I am a graduate of Engineering Physics of Queens University, Kingston, Ontario in 1964 and have been continuously engaged as a practicing geophysicist since that time, and I am a Registered Professional Engineer in the Province of Ontario.
3. That the foregoing report is based on personal supervision and interpretation of the data discussed in the report.


JENS E. HANSEN, P.Eng.
Consulting Geophysicist

Nepean, Ontario
August 1, 1985

APPENDIX A

GEOCHEMICAL ANALYSIS



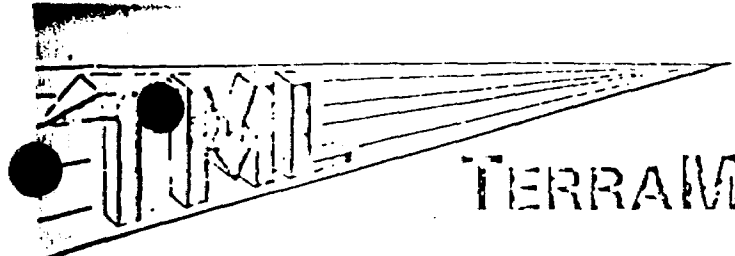
TERRAMIN RESEARCH LABS LTD.

14-2235 - 30th Avenue N.E. Calgary, Alberta T2E 7C7
(403) 276-8668

SAMPLE PREPARATION

Soil and sediment samples are dried and sieved through 80 mesh nylon screen (maximum particle size 200 microns).

Rock or drill core samples are crushed to approximately 1/8" in a jaw crusher, riffled to obtain a representative sample, and pulverized to 100 mesh (180 micron particle size).

The logo for Terramin Research Labs Ltd. features the word "TERRAMIN" in a stylized, blocky font. The letters are white with black outlines and are set against a background of horizontal lines that converge towards the right, creating a sense of depth and perspective. The logo is positioned in the upper left corner of the page.

TERRAMIN RESEARCH LABS LTD.

14-2235 - 30th Avenue N.E. Calgary, Alberta T2E 7C7
(403) 276-8668

FIRE ASSAY/AA METHOD FOR GOLD AND SILVER PLATINUM AND PALLADIUM

Approximately 1 assay ton of prepared sample is fused with a litharge flux charge to obtain a lead button. The button is cupelled down to a precious metal prill which is then dissolved in aqua regia. The resulting solution is analysed by atomic absorption spectrophotometry to determine the precious metals.

TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 84-246

Golden Rule Resources

Date Sept. 30, 1984

Client Project GR-Ont-5

Page 1/2

ONT-5

Sample No.	Au ppb
A-1	8
2	86
B-1	4
2	472
3	18
4	248
5	24
C-1	122
2	318
3	544
CA-1	2
2	4
3	60
4	890
5	416
6	356
D-1	278
2	144
3	470
E-1	6000
2	22
F-1	488
2	178
3	94
G-1	780

ANALYTICAL REPORT

Job # 84-246

Date

Client Project GR-Ont-5

Page 2/2

Sample No.	Au ppb
H-1 BL 0+50 S	7100 20

0924
10+00

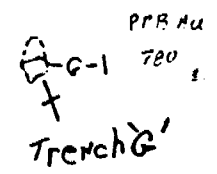
LINE S100 W
1985

10+005

4+00 N



H-1 710



PPB Au
G-1 720

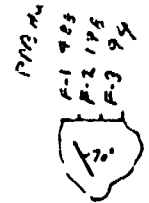
10+255

PPB Au
E-1 6000
E-2 22



PPB Au
D-1 276
D-2 144

D-3 470



PPB Au
F-1 783
F-2 195
F-3 99

Trench 'F'

FIGURE 4
Shoal Lake, Ontario
Sample Locations

Figure # 4

Scale 1:250

FCM



S2E10NW9475 2.8337 ECHO BAY

900

GR-ONT-5 W8501-124
60-178 SHUAL LAKE

The Mini.

Type of Survey(s) **GEOPHYSICS AND GEOLOGY** Township or Area **GLASS + SHOAL LK.**
 Claim Holder(s) **JENS E. HANSEN** Prospector's Licence No. **A 45202**
 Address **Box 11385 STN "H" NEPEAN ONT K2H 7V1**
 Survey Company **TAIGA CONSULTANTS / GEOTEST** Date of Survey (from & to) **Day 6 Mo. 85** Total Miles of Line Cut **41 km.**
 Name and Address of Author (of Geo-Technical report) **J. E. HANSEN Box 11385 STN "H" NEPEAN ONT K2H 7V1**

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

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

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
K	777817				
	777818				
	777819				
	811028				
	811029				
	811030				
	811031				
	811053				
	811054				
	811055				
	811056				
	811057				
	811058				
	811071				
	811072				
	811073				
	811074				
	811075				
	811076				
	811077				
	710783				

RECEIVED
JUN 24 1985
MINING LANDS SECTION

KENORA MINING DIV.
RECEIVED
JUN 7 1985
AM 7:00-10:11:12:13:4:5:6 PM

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.

Total number of mining claims covered by this report of work **21**

Date **JUNE 5 85** Recorded Holder or Agent (Signature) *[Signature]*

For Office Use Only

Total Days Cr. Recorded **1480** Date Recorded **6/5/85** Mining Recorder *[Signature]*

Date Approved as Recorded **6/5/85** Branch Director *[Signature]*

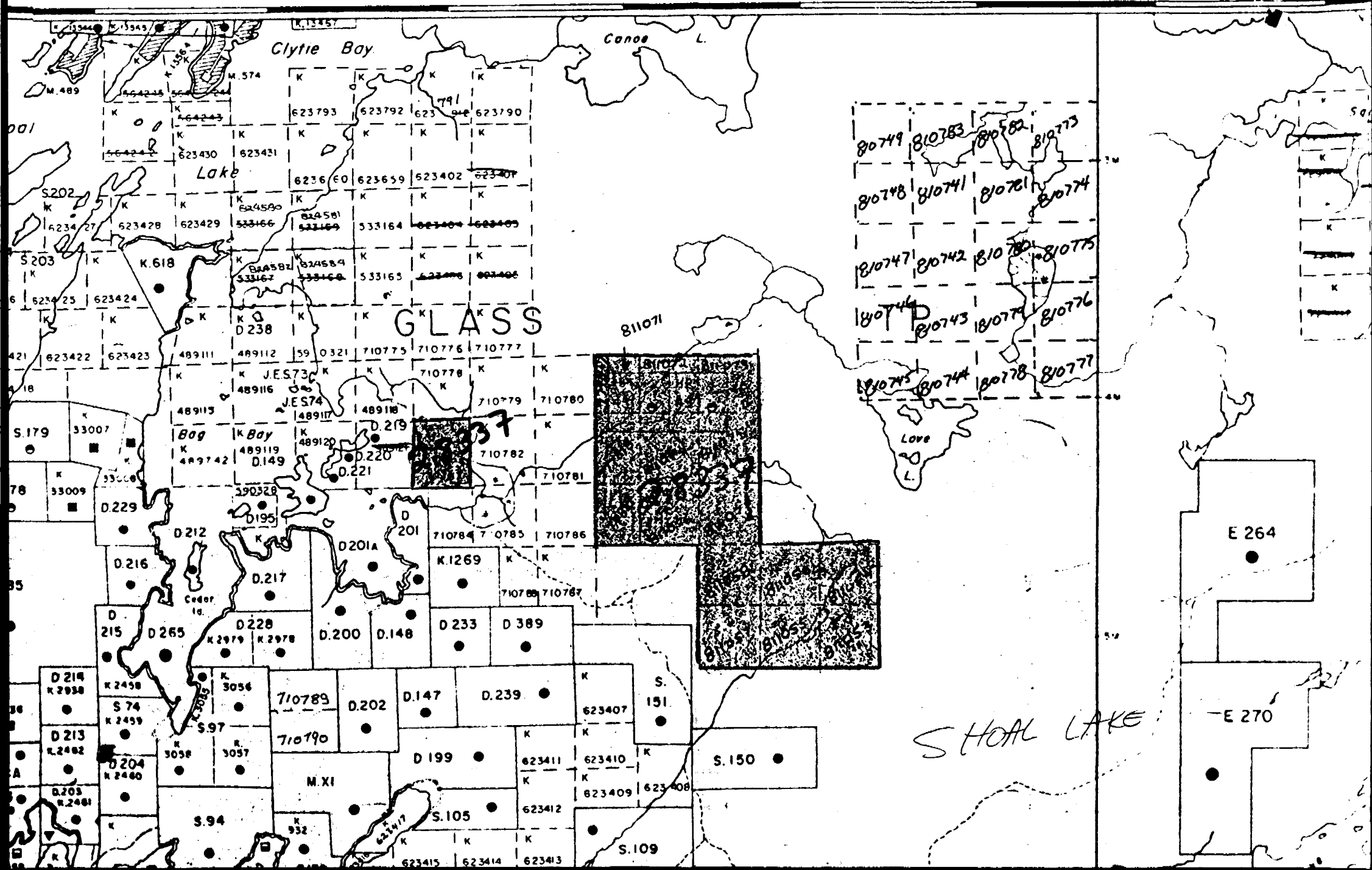
Certification Verifying Report of Work

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 **JENS E. HANSEN Box 11385 STN "H" NEPEAN ONT K2H 7V1**

Date Certified **JUN 5 1985** Certified by (Signature) *[Signature]*

ECHO BAY and BOYS TP.



810749 810783 810782 810773
810748 810741 810781 810774
810747 810742 810780 810775
810746 810743 810779 810776
810745 810744 810778 810777

GLASS

37

SHOAL LAKE

E 264

E 270

Clytie Bay

Canoe L.

Lake

Love L.

Bag Bay

Cedar Is.

M. XI

S. 105

S. 109

S. 150

811071





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) Geophysics/Geology
Township or Area Glass, Echo Bay and Boys Twp.
Shoal Lake
Claim Holder(s) Jens E. Hansen
19 Nesbitt St, Nepean, Ontario
Survey Company Taiga Consultants and Geotest Corp.
Author of Report Jens E. Hansen
Address of Author 19 Nesbitt St, Nepean, Ont. K2H 8C4
Covering Dates of Survey June 1 to June 25, 1985
(linecutting to office)
Total Miles of Line Cut 31 kilometres

MINING CLAIMS TRAVERSED
List numerically

-777817.....
(prefix) (number)
-777818.....
-777819.....
-811028.....
-811029.....
-811030.....
-811031.....
-811053.....
-811054.....
-811055.....
-811056.....
-811057.....
-811058.....
-811071.....
-811072.....
-811073.....
-811074.....
-811075.....
-811076.....
-811077.....
-710783.....
- TOTAL CLAIMS** 21

If space insufficient, attach list

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

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

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

DATE: August 1/85 SIGNATURE: Jens Hansen
Author of Report or Agent

Res. Geol. _____ Qualifications 2.5580

Previous Surveys

<u>File No.</u>	<u>Type</u>	<u>Date</u>	<u>Claim Holder</u>
.....
.....
.....
.....
.....
.....
.....
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.....
.....

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 1240 Number of Readings 3720

Station interval 12.5 metres mag, 25 metres VLF Line spacing 100 metres

Profile scale 1 cm = 25 m 1:2,500 - horizontal scale

Contour interval _____

MAGNETIC

Instrument G816 Proton Magnetometer

Accuracy - Scale constant 1 gamma

Diurnal correction method Scintrex Base Station Recorder

Base Station check-in interval (hours) Continuous

Base Station location and value Located at camp on Cornucopia Island

one kilometre west of the survey grid

Base Station value 67,500

ELECTROMAGNETIC

Instrument Geonics EM-16 VLF

Coil configuration Dip angle, remote transmitter.

Coil separation _____

Accuracy In phase 1°, Quadrature 1%

Method: Fixed transmitter Shoot back In line Parallel line

Frequency Cutler Maine 24.0 kHz
(specify V.L.F. station)

Parameters measured Inphase dip angle (degrees) Quadrature.

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 _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth - include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

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

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

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

1985 10 31

Your File: 124
Our File: 2.8337

Mining Recorder
Ministry of Northern Affairs and Mines
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

RE: Notice of Intent dated October 2, 1985
Geophysical (Electromagnetic & Magnetometer)
and Geological Surveys on Mining Claims
K 710783, et al, in the Areas of Shoal and
Echo Bay Lake and in Bays Township

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: Jens E. Hansen
Box 11385
Station "H"
Nepean, Ontario
K2H 7V1

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

Resident Geologist
Kenora, Ontario

Encl.



Ontario

Ministry of Natural Resources

Technical Assessment Work Credits

File 2.8337

Date 1985 10 02 Mining Recorder's Report of Work No. 124

Recorded Holder: JENS E. HANSEN

Township or Area: SHOAL LAKE, AND ECHO BAY AND BOYS TOWNSHIP

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 _____ 20 _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	K 777817 to 19 inclusive 811028 to 31 inclusive 811053 811055 to 58 inclusive 811071 to 75 inclusive 811077

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

15 DAYS GEOLOGICAL

K 811054
811076

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

K 710783



Ontario

Ministry of
Natural
Resources

Technical Assessment Work Credits

File
2.8337

Date
1985 10 02

Mining Recorder's Report of
Work No. 124

Recorded Holder
JENS E. HANSEN

Township or Area
SHOAL LAKE, AND ECHO BAY & BAYS TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ 40 days Magnetometer _____ 20 days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	K 777817 to 19 inclusive 811028 811031 811053 811055 to 58 inclusive 811071 to 75 inclusive 811077

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

<u>30 DAYS ELECTROMAGNETIC & 15 DAYS MAGNETOMETER</u> K 811054 811076	<u>20 DAYS ELECTROMAGNETIC & 10 DAYS MAGNETOMETER</u> K 811029-30
---	--

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

K 710783

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:



Oct 17/85

1985 10 02

Your File: 124
Our File: 2.8337

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

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.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

R.P.K./DK/mc

Encls.

cc: Jens E. Hansen
Box 11385
Station "H"
Nepean, Ontario
K2H 7V1

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



Ministry of
Natural
Resources

Ontario

Notice of Intent
for Technical Reports

1985 10 02

2.8337/124

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.

GEOTEST

GEOTEST CORPORATION

P.O. Box 11385
Station "H"
19 Nesbitt Street
Nepean, Ontario, Canada
K2H 7V1

Telephone: 613 828-6462

~~Fax: 650-8814~~

Project: 60-172

August 2, 1985


Mr. A. Barr
Land Management Branch
Ministry of Natural Resources
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

Dear Mr. Barr:

RE: REPORT OF WORK #124
Mining Claims K777817 et al, Township of Glass

Enclosed are two copies of our technical report covering the above claims.

Yours sincerely,



JENS E. HANSEN
GEOTEST CORPORATION

RECEIVED
AUG - 6 1985
MINING LANDS SECTION

REGISTERED

July 29, 1985

Report of Work #124

Jens E. Hansen
Box 11385, Station "H"
Nepean, Ontario
K2H 7V1

Dear Sir:

RE: Mining Claims K 777817, et al,
in the Township of Glass

I have not received the reports and maps (in duplicate)
for Geophysical (Electromagnetic & Magnetometer) and
Geological Surveys on the above-mentioned claims.

As the assessment "Report of Work" was recorded by the
Mining Recorder on June 7, 1985 the 60 day period
allowed by Section 77 of the Mining Act for the submission
of the technical reports and maps to this office will
expire on August 6, 1985.

If the material is not submitted to this office by August 6,
1985 I will have no alternative but to instruct the Mining
Recorder to delete the work credits from the claim record
sheets.

For further information, please contact Mr. Arthur Barr
at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

A. Barr:mc

cc: Mining Recorder
Kenora, Ontario

Mining Lands Section

File No 28337

Control Sheet

TYPE OF SURVEY

GEOPHYSICAL
 GEOLOGICAL
 GEOCHEMICAL
 EXPENDITURE

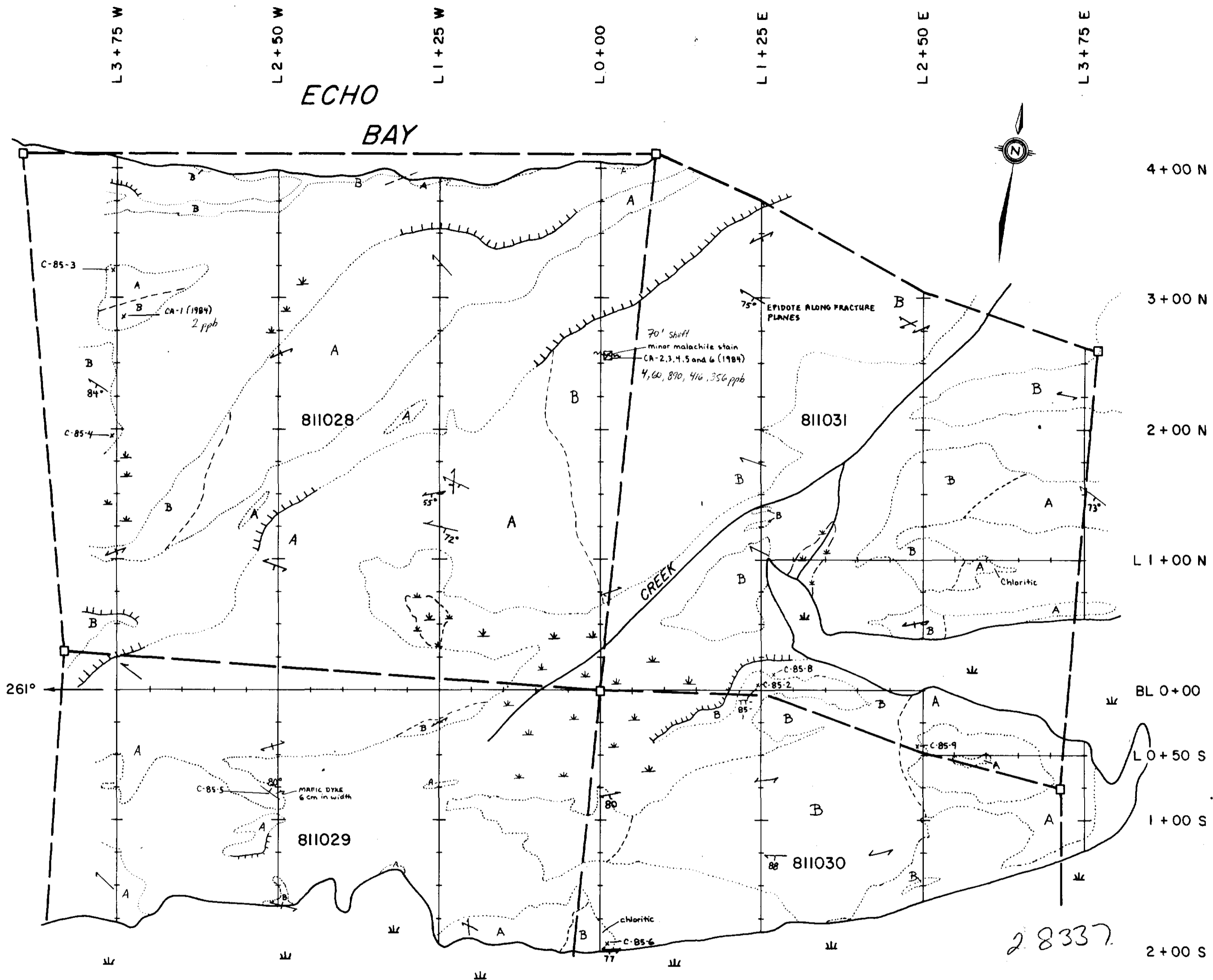
MINING LANDS COMMENTS:

ECHO BAY + BOYS TWP
⟨Glass⟩
+ Shred (K)

L.D.
Lgd.

Signature of Assessor

Date



LEGEND

- quartz vein
- foliation
- shear zone
- prevalent fractures
- x-c-85-3 rock sample site
- ⊕ claim post

- claim line
- ⊠ shaft
- ⌵ swamp
- outcrop area
- - - contact
- ridge

- A Granodiorite: medium-grained, massive, porphyritic, weakly foliated, prevalent fractures @ 110°; qtz phenos pink to lt. grey.
- B Quartz Diorite: fine-grained, porphyritic, greenish grey; qtz phenos up to 4 mm in diameter, lt. grey to

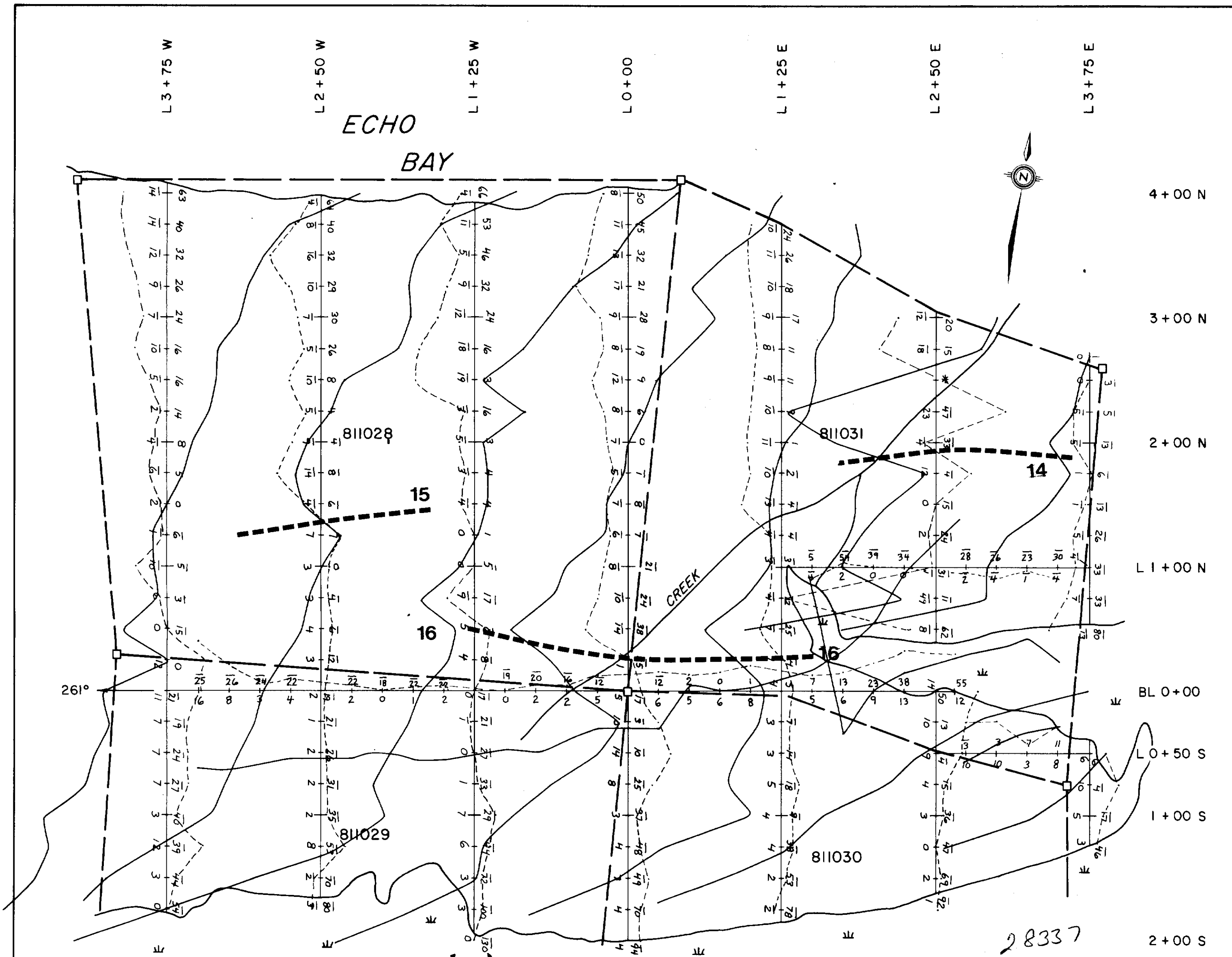


GOLDEN RULE RESOURCES LTD.

ECHO BAY PROPERTY
MINING CLAIMS 811028-811031
ECHO BAY & BOYS TOWNSHIP
SHOAL LAKE, ONTARIO
GEOLOGY MAP

DATE JULY 1985	NTS 52 E/10
PROJECT GR-ONT-5	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	
	MAP 1





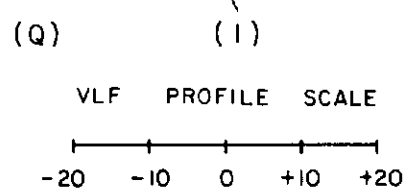
INSTRUMENT: Geonics VLF EM-16
 STATION: Seattle, Washington
 NLK 24.8 kHz
 OPERATOR: T. Termuende
 Negative: south reading
 Positive: north reading

Direction to Station: 280° Az

In Phase -14 -14 +8
 Quadrature +40 +30 +8

PROFILE SCALE: 1 cm = 10⁰

CONDUCTOR AXIS



NOTE: Compiled and interpreted
 by Geotest Corp.



210 8 ——— Conductor Axis with identifier

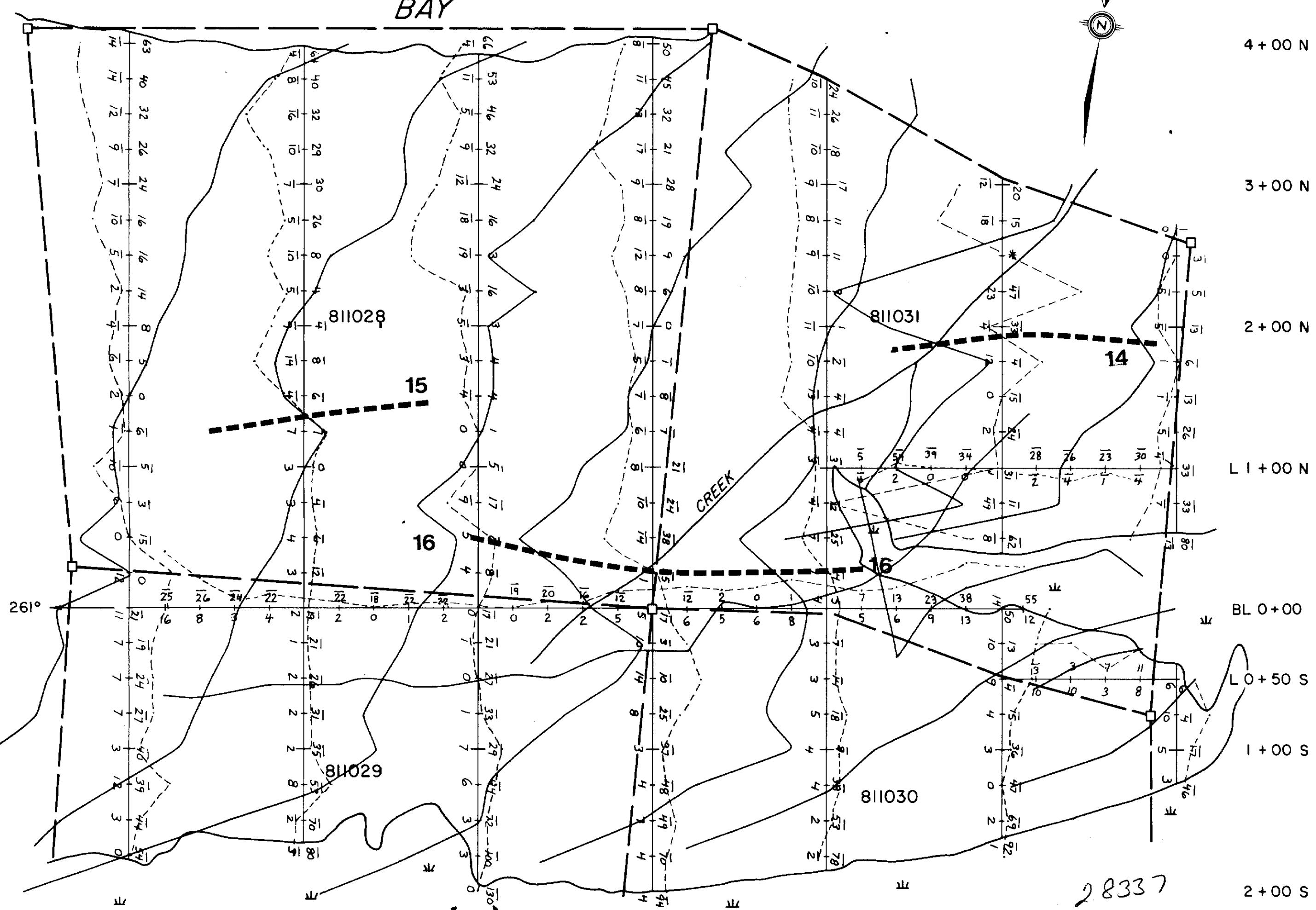
GOLDEN RULE RESOURCES LTD.

ECHO BAY PROPERTY
 MINING CLAIMS 811028-811031
 ECHO BAY & BOYS TOWNSHIP
 SHOAL LAKE, ONTARIO
 VLF-EM SURVEY

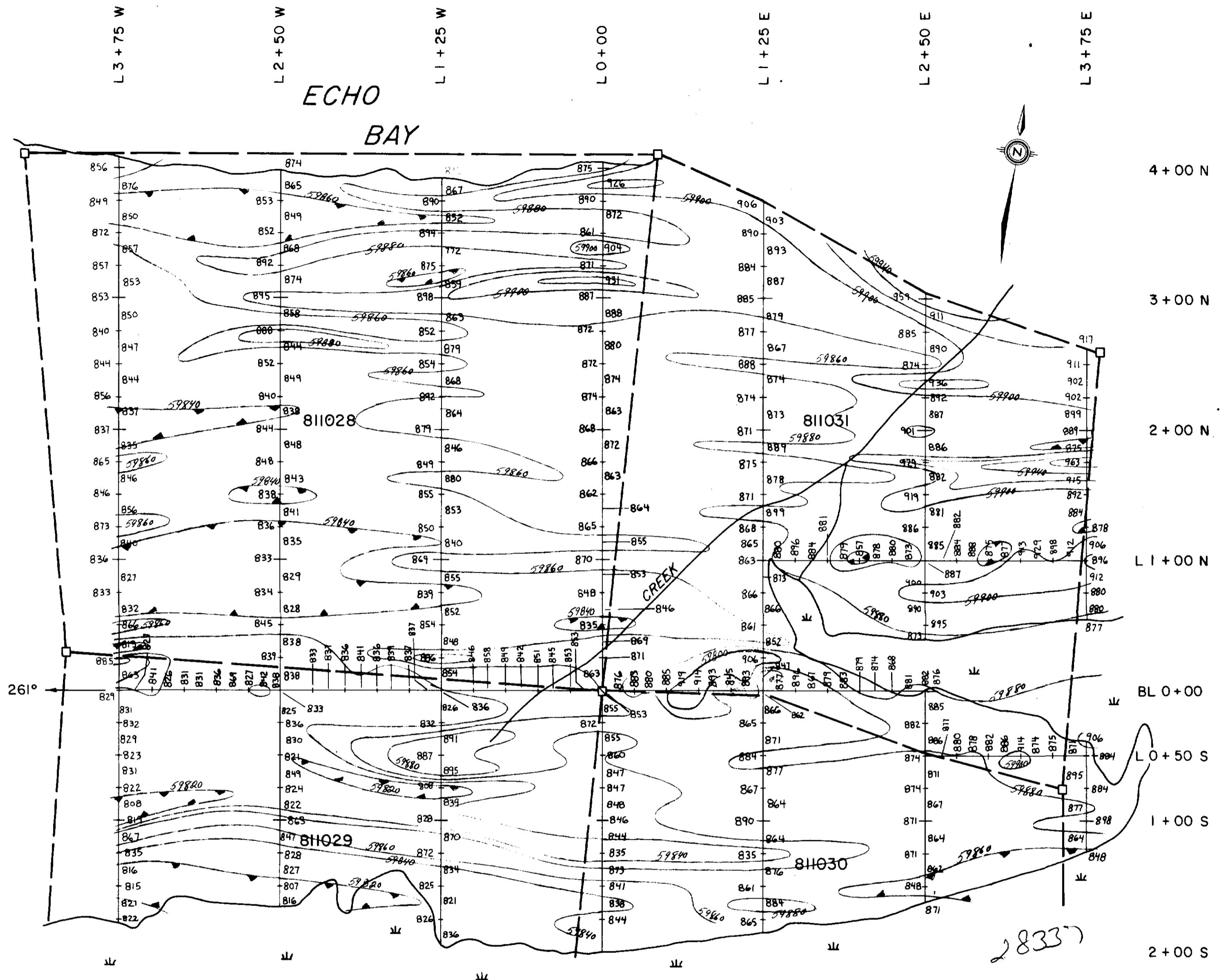
DATE JULY 1985	NTS 52 E/10
PROJECT GR-ONT-5	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 50 100 METRES
TAIGA CONSULTANTS LTD	MAP 2

261°

28337



* could not null instrument



INSTRUMENT: GeoMetrics G826A
portable proton magnetometer

READINGS: 59,000 gammas plus

CONTOUR INTERVAL: 20 gammas

NOTE: Compiled and interpreted
by Geotest Corp.



GOLDEN RULE RESOURCES LTD.

ECHO BAY PROPERTY
MINING CLAIMS 811028-811031
ECHO BAY & BOYS TOWNSHIP
SHOAL LAKE, ONTARIO
MAGNETOMETER SURVEY

DATE JULY 1985

NTS 52 E/10

PROJECT GR-ONT-5

MAPPED/
DRAWN BY C. AUSSANT

SCALE 1:2500



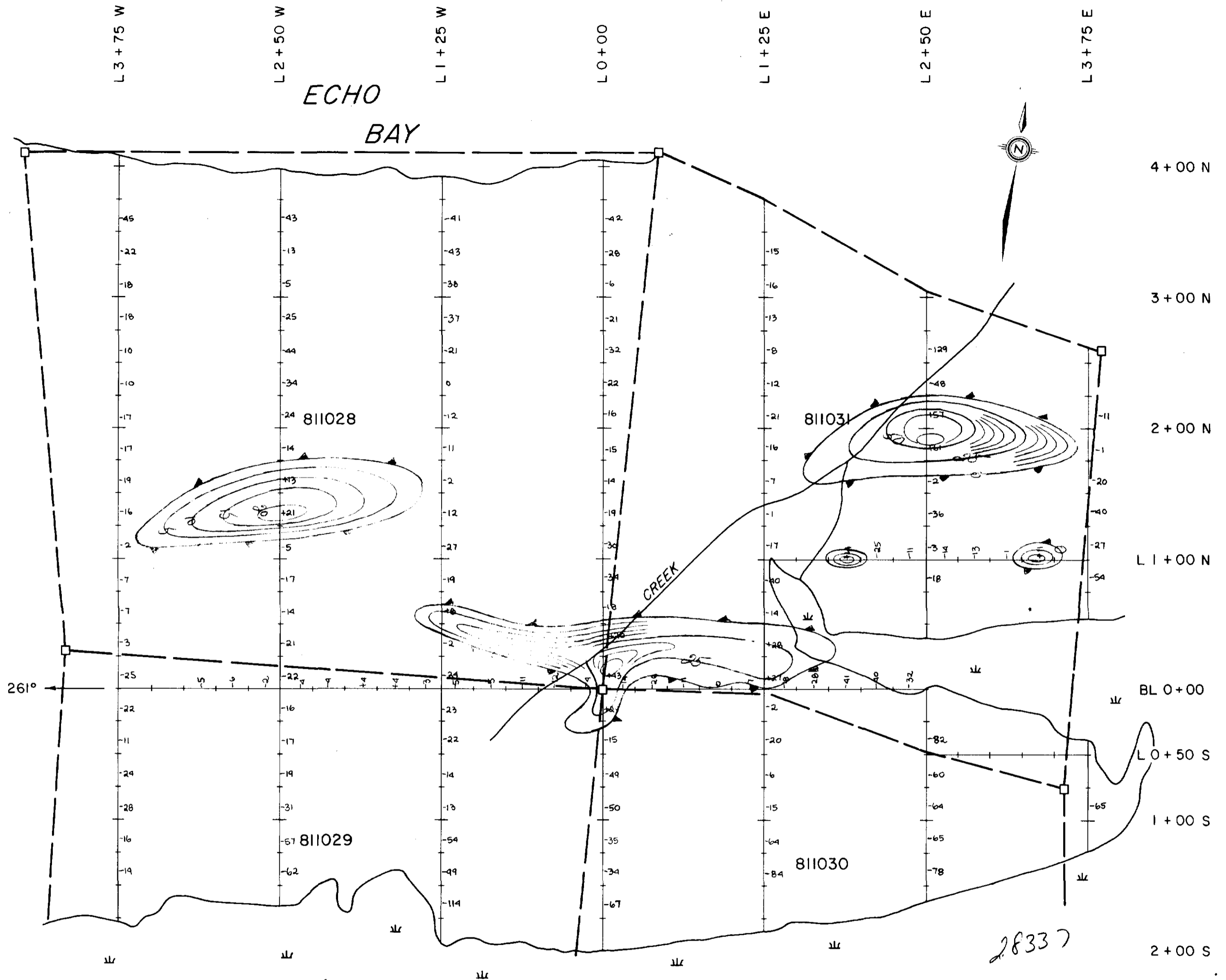
TAIGA CONSULTANTS LTD

MAP 3



S2E10NW9475 2.8337 ECHO BAY

220



NOTE: Compiled and interpreted
by Geotest Corp.
CONTOUR INTERVAL: 5 units



GOLDEN RULE RESOURCES LTD.

ECHO BAY PROPERTY
MINING CLAIMS 811028-811031
ECHO BAY & BOYS TOWNSHIP
SHOAL LAKE, ONTARIO
VLF-EM CONTOURS

DATE JULY 1985	NTS 52 E/10
PROJECT GR-ONT-5	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 50 100 METRES

TAIGA CONSULTANTS LTD

MAP 4



52E10NW9475 2.8337 ECHO BAY

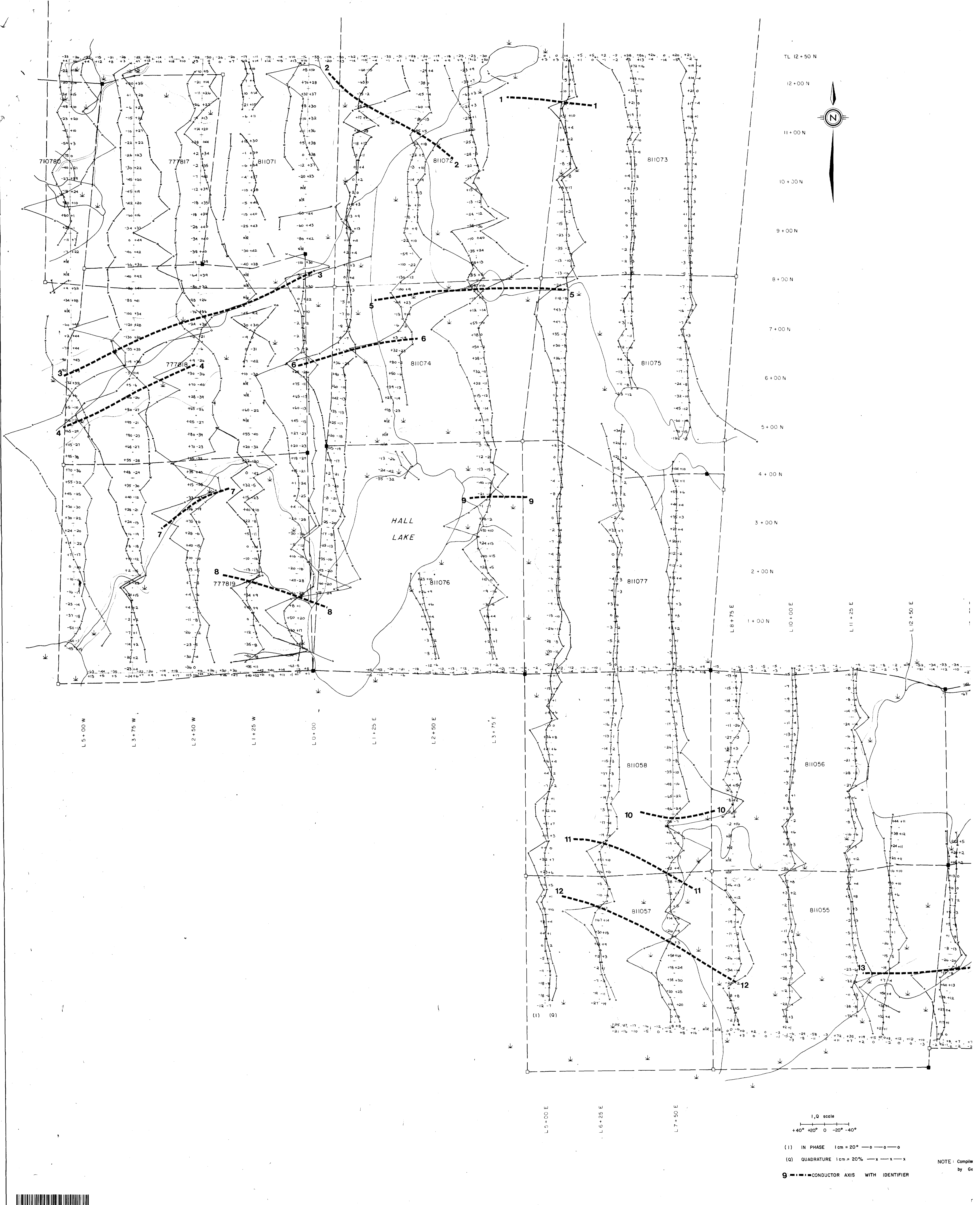
230



LEGEND

- quartz vein
 - prevalent fractures
 - x C-85-10 rock sample
 - ⊕ claim post
 - claim line
 - ⬇ swamp
 - ⊠ shaft
 - outcrop area
 - - - contact
 - ▬▬▬ ridge
- (A) Granodiorite: medium-grained, massive, porphyritic, weakly foliated, pink to light grey, qtz phenocrysts.
 - (B) Quartz Diorite: fine grained, massive, porphyritic, greenish grey; qtz phenocrysts up to 4 mm in diameter, light grey to greyish brown.
 - (C) Aplite dykes: fine grained, light pink to brown, qtz phenocrysts, dis. pyrite, chilled margins.
 - (D) Basalt: massive, black, rusty weathering in patches, dis. pyrite; contacts very sharp with the granodiorite and irregular, minor interfingering granodiorite within the Basalt.





TL 12+50 N

12+00 N

11+00 N

10+30 N

9+00 N

8+00 N

7+00 N

6+00 N

5+00 N

4+00 N

3+00 N

2+00 N

1+00 N

0+00 N

L 5+00 W

L 3+75 W

L 2+50 W

L 1+25 W

L 0+00 W

L 1+25 E

L 2+50 E

L 3+75 E

L 5+00 E

L 6+25 E

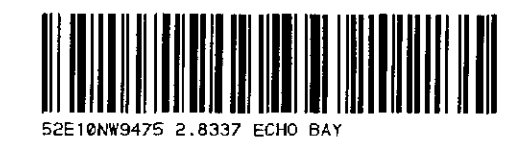
L 7+50 E

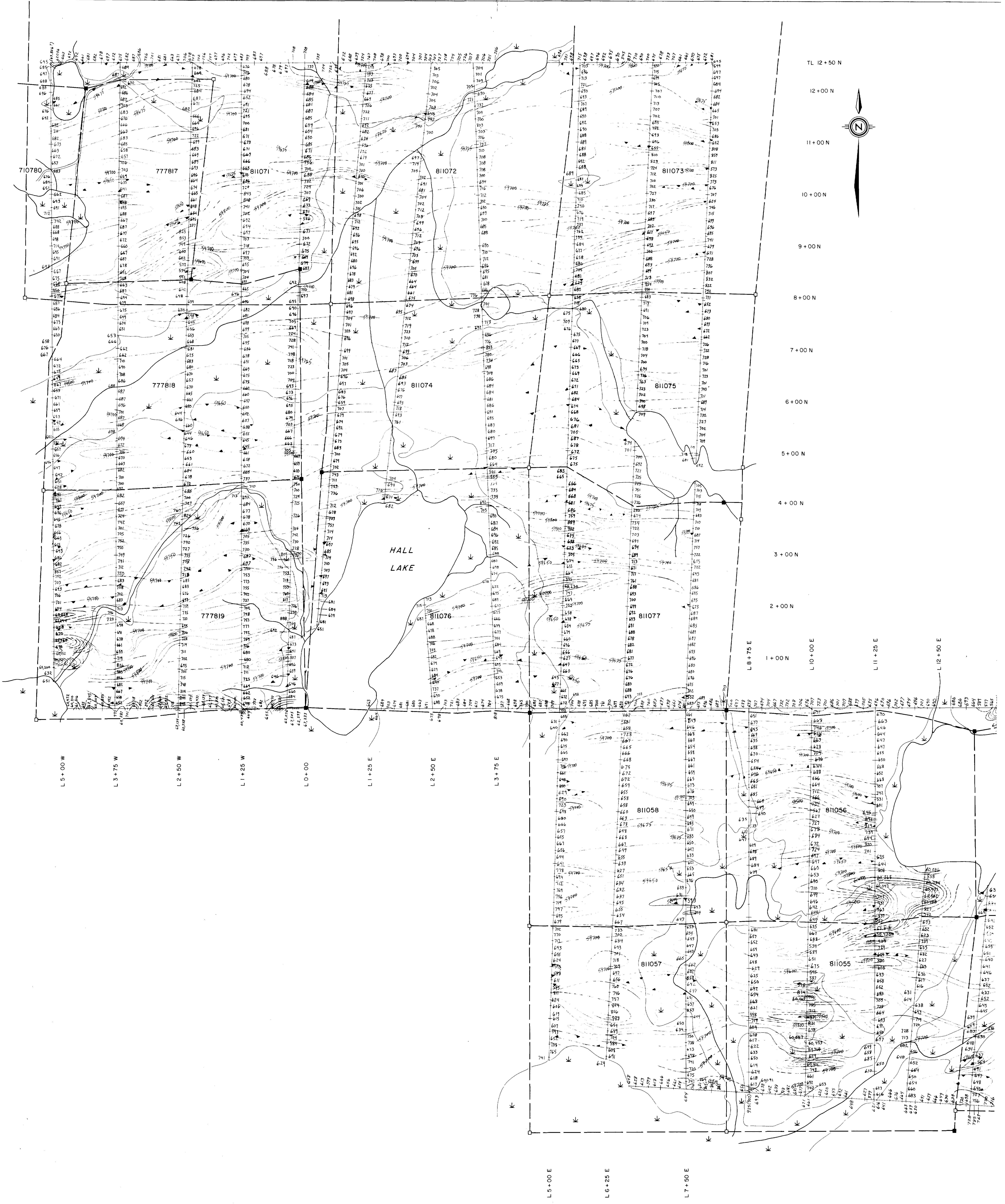


1:0 scale
+40° +20° 0° -20° -40°

(1) IN PHASE 1cm = 20° —○—○—○—
(Q) QUADRATURE 1cm = 20% —x—x—x—
9 ——— CONDUCTOR AXIS WITH IDENTIFIER

NOTE: Compiled by Ge





TL 12+50 N

12+00 N

11+00 N

10+00 N

9+00 N

8+00 N

7+00 N

6+00 N

5+00 N

4+00 N

3+00 N

2+00 N

1+00 N

L 6+75 E

L 10+00 E

L 11+25 E

L 12+50 E

L 6+00 W

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L 2+50 W

L 1+25 W

L 0+00 W

L 1+25 E

L 2+50 E

L 3+75 E

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L 9+50 E

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L 235+00 E

L 236+25 E

L 237+50 E

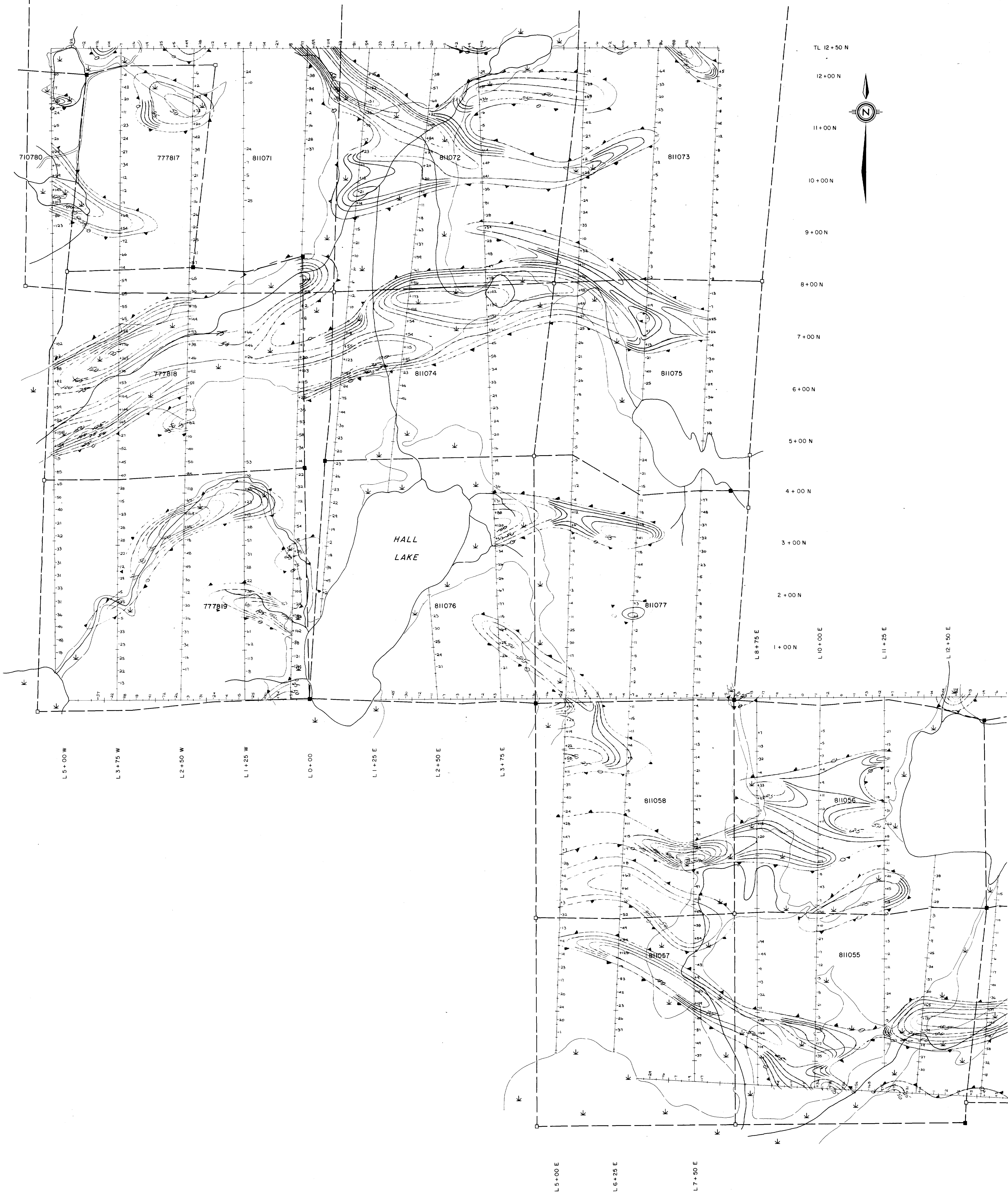
L 238+00 E

L 239+25 E

L 240+50 E

L 241+00 E

L 242+25 E



TL 12+50 N

12+00 N

11+00 N

10+00 N

9+00 N

8+00 N

7+00 N

6+00 N

5+00 N

4+00 N

3+00 N

2+00 N

1+00 N

L 10+00 E

L 11+25 E

L 8+75 E

L 5+00 W

L 3+75 W

L 2+50 W

L 1+25 W

L 0+00

L 1+25 E

L 2+50 E

L 3+75 E

L 5+00 E

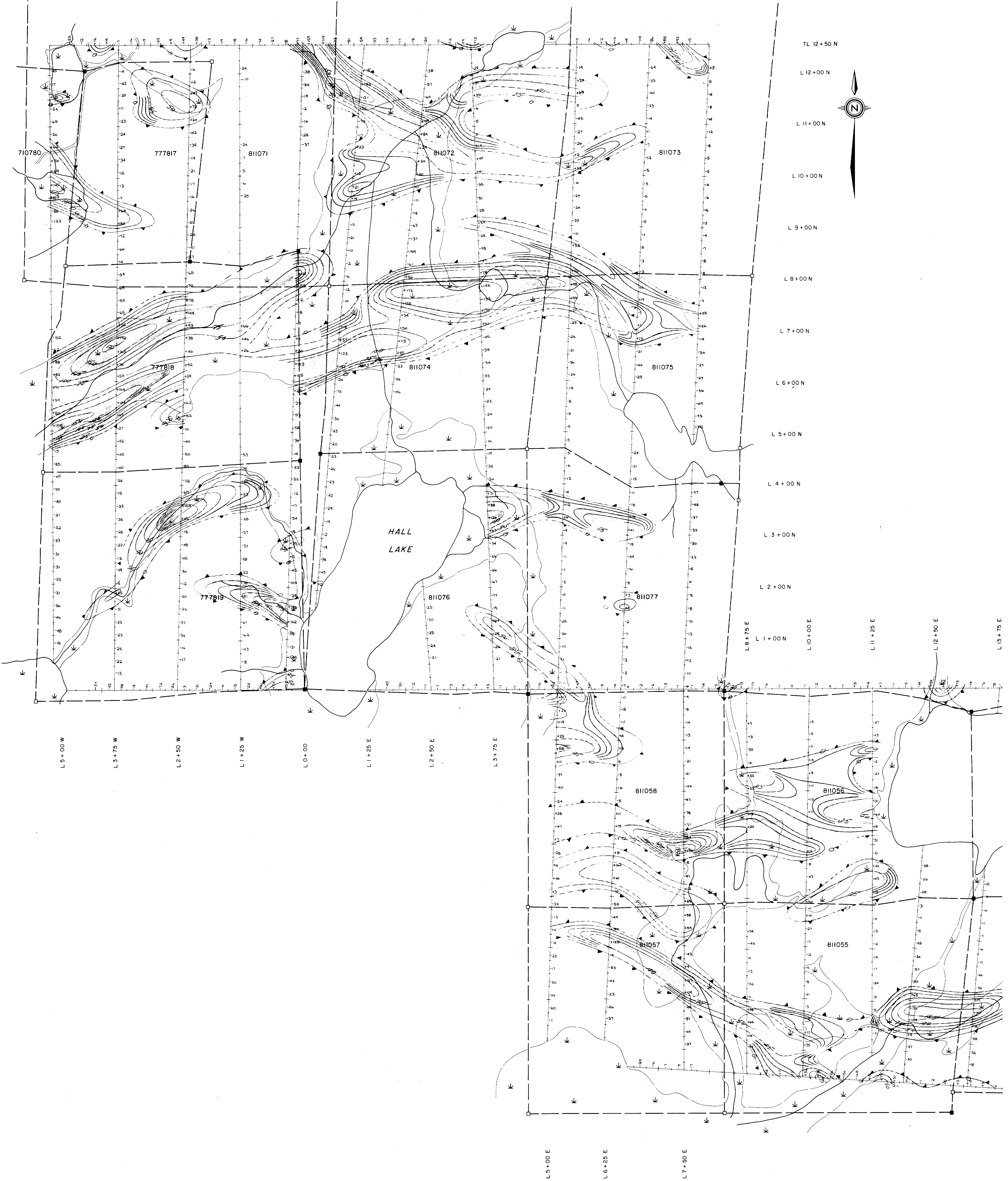
L 6+25 E

L 7+50 E

NOTE: Compiled and interpreted
by Geotest Corp.

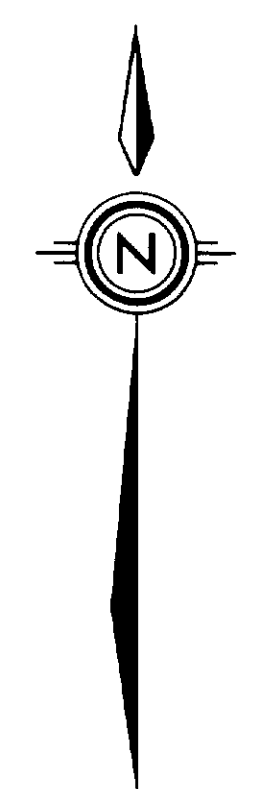
CONTOUR INTERVAL - 0, 5, 10, 15, 20, and 25'





TL 12+50 N

L 12+00 N



L 11+00 N

L 10+00 N

L 9+00 N

L 8+00 N

L 7+00 N

L 6+00 N

L 5+00 N

L 4+00 N

L 3+00 N

L 2+00 N

L 8+75 E

L 11+00 E

L 10+00 E

L 11+25 E

L 12+50 E

L 13+75 E

L 5+00 W

L 3+75 W

L 2+50 W

L 1+25 W

L 0+00

L 1+25 E

L 2+50 E

L 3+75 E

L 5+00 E

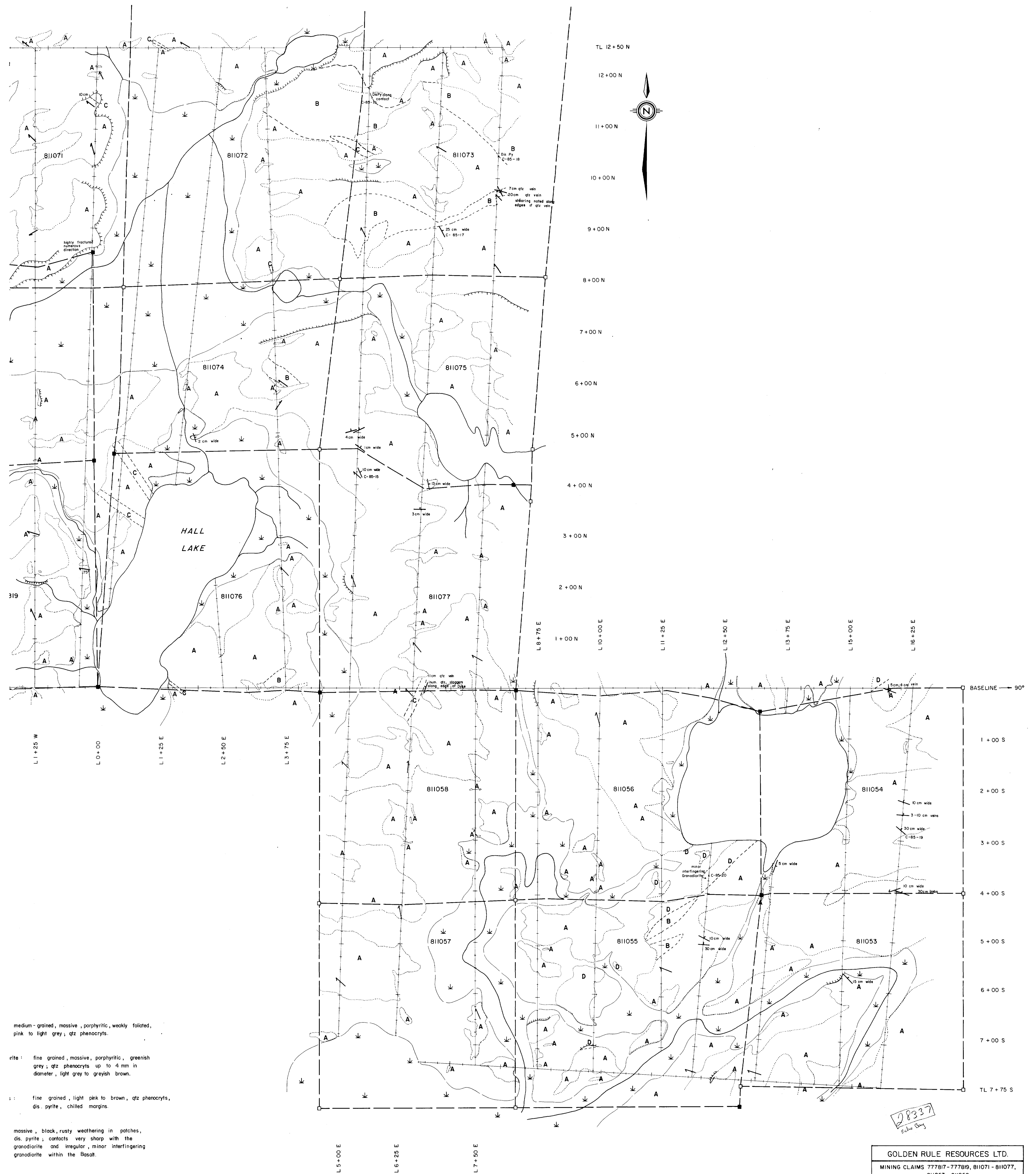
L 6+25 E

L 7+50 E

HALL
LAKE

CONTOUR INTERVAL : 0, 5, 10, 15, 20, and 25'





medium-grained, massive, porphyritic, weakly foliated, pink to light grey; qtz phenocrysts.

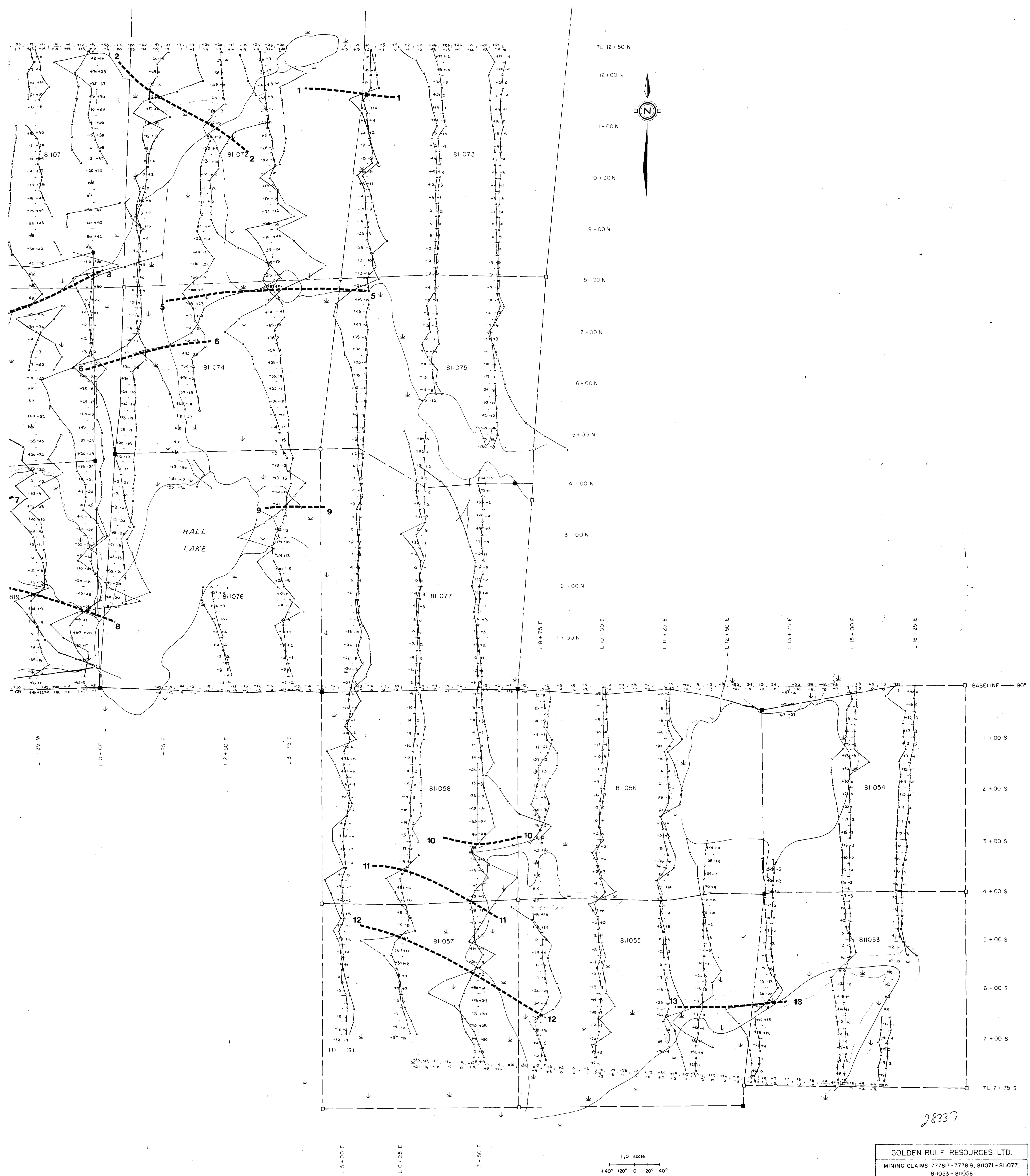
fine grained, massive, porphyritic, greenish grey; qtz phenocrysts up to 4 mm in diameter, light grey to greyish brown.

fine grained, light pink to brown, qtz phenocrysts, dis. pyrite, chilled margins.

massive, black, rusty weathering in patches, dis. pyrite; contacts very sharp with the granodiorite and irregular, minor interfingering granodiorite within the Basalt.

GOLDEN RULE RESOURCES LTD.	
MINING CLAIMS 777817-777819, 81071-81077, 811053-811058	
SHOAL LAKE PROPERTY GLASS TWP. SHOAL LAKE, ONTARIO	
GEOLOGY	
DATE JULY 1985	NTS 52 E/10
PROJECT GR-ONT-5	MAPPED/DRAWN BY C. AUSSANT
SCALE 1:2500	0 50 100 METRES
TAIGA CONSULTANTS LTD MAP 1	





TL 12+50 N
 12+00 N
 11+00 N
 10+00 N
 9+00 N
 8+00 N
 7+00 N
 6+00 N
 5+00 N
 4+00 N
 3+00 N
 2+00 N
 1+00 N
 BASELINE → 90°
 1+00 S
 2+00 S
 3+00 S
 4+00 S
 5+00 S
 6+00 S
 7+00 S
 TL 7+75 S

L 1+25 W

L 0+00

L 1+25 E

L 2+50 E

L 3+75 E

L 8+75 E

L 10+00 E

L 11+25 E

L 12+50 E

L 13+75 E

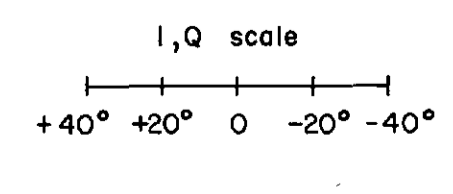
L 15+00 E

L 16+25 E

L 5+00 E

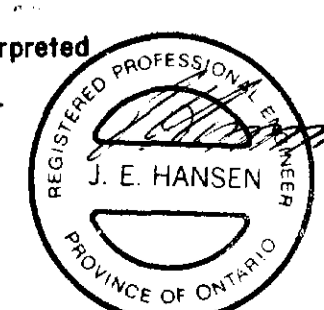
L 6+25 E

L 7+50 E



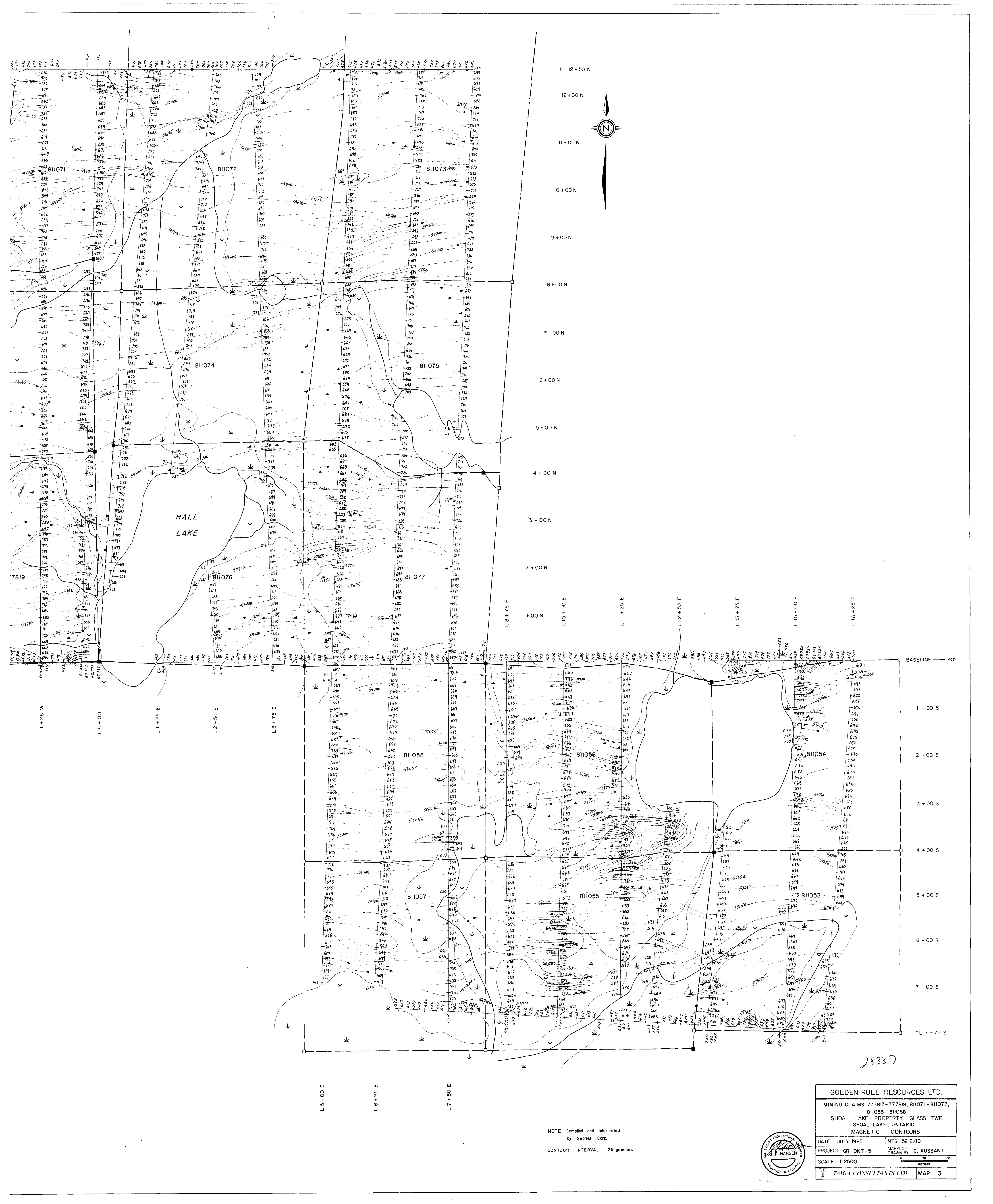
- (I) IN PHASE 1 cm = 20° — o — o — o
- (Q) QUADRATURE 1 cm = 20% — x — x — x
- 9 — — — CONDUCTOR AXIS WITH IDENTIFIER

NOTE: Compiled and Interpreted by Geotest, Corp.



GOLDEN RULE RESOURCES LTD.	
MINING CLAIMS 777817-777819, 81071-81077, 81053-81058	
SHOAL LAKE PROPERTY GLASS TWP. SHOAL LAKE, ONTARIO	
VLF PROFILES	
DATE: JULY 1985	N.T.S. 52 E/10
PROJECT: GR-ONT-5	MAP BY: C. AUSSANT
SCALE: 1:2500	METRES
TRIG CONSULTING LTD	MAP 2

28337



TL 12+50 N

12+00 N

11+00 N

10+00 N

9+00 N

8+00 N

7+00 N

6+00 N

5+00 N

4+00 N

3+00 N

2+00 N

1+00 N

BASELINE → 90°

1+00 S

2+00 S

3+00 S

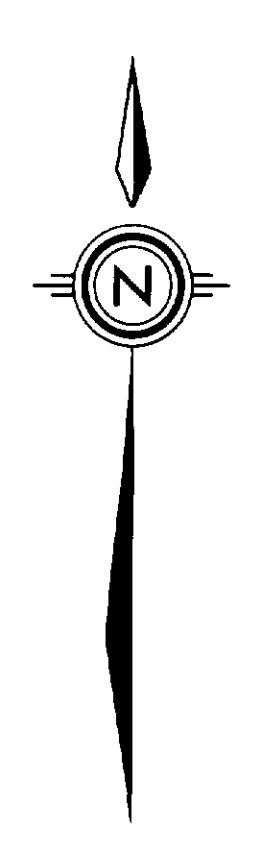
4+00 S

5+00 S

6+00 S

7+00 S

TL 7+75 S



L 8+75 E

L 10+00 E

L 11+25 E

L 12+50 E

L 13+75 E

L 15+00 E

L 16+25 E

L 1+25 W

L 0+00

L 1+25 E

L 2+50 E

L 3+75 E

L 5+00 E

L 6+25 E

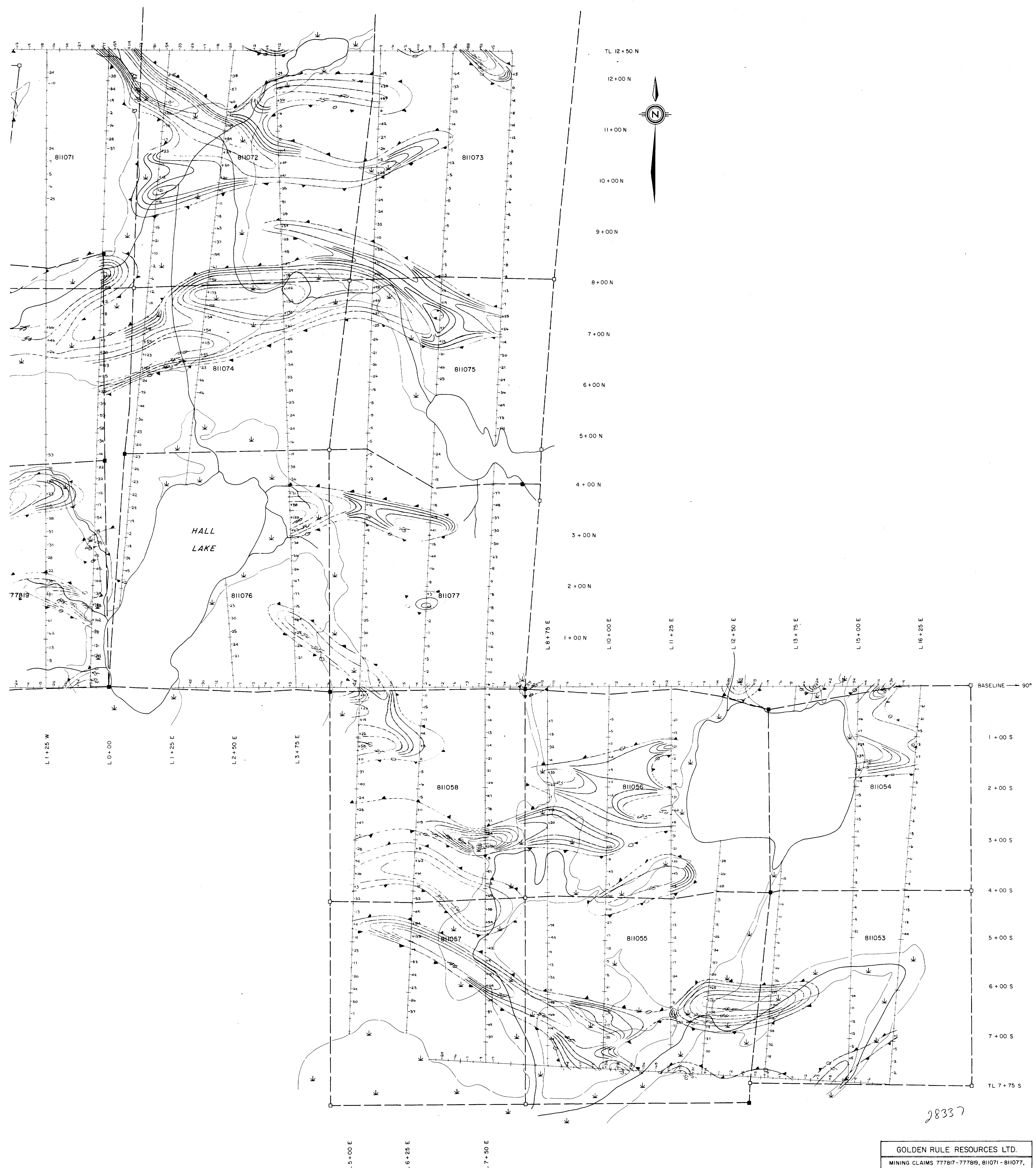
L 7+50 E

NOTE: Compiled and interpreted
by Geocast Corp.
CONTOUR INTERVAL: 25 gammas



GOLDEN RULE RESOURCES LTD.	
MINING CLAIMS 777817-777819, 811071-811077, 811053-811058	
SHOAL LAKE PROPERTY GLASS TWP. SHOAL LAKE, ONTARIO	
MAGNETIC CONTOURS	
DATE JULY 1985	NTS 52 E/I/O
PROJECT GR-ONT-5	MAPPED/DRAWN BY C. AUSSANT
SCALE 1:2500	METRES
TAIGA CONSULTANTS LTD	MAP 3

28337



TL 12+50 N

12+00 N

11+00 N

10+00 N

9+00 N

8+00 N

7+00 N

6+00 N

5+00 N

4+00 N

3+00 N

2+00 N

1+00 N

L 8+75 E

L 10+00 E

L 11+25 E

L 12+50 E

L 13+75 E

L 15+00 E

L 16+25 E

BASELINE → 90°

1+00 S

2+00 S

3+00 S

4+00 S

5+00 S

6+00 S

7+00 S

TL 7+75 S

L 5+00 E

L 6+25 E

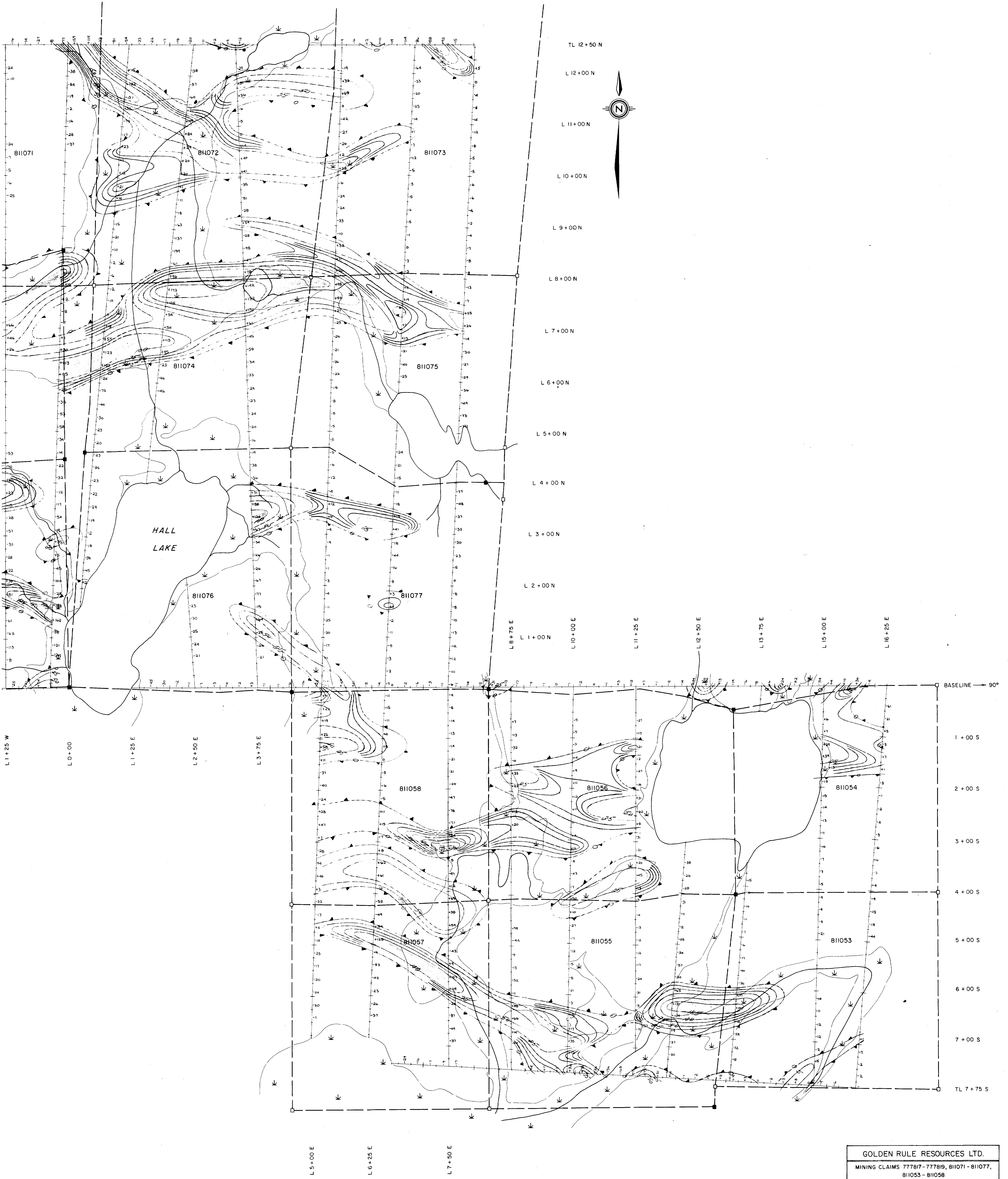
L 7+50 E

NOTE: Compiled and interpreted
by Geotest Corp.
CONTOUR INTERVAL: 0, 5, 10, 15, 20, and 25'

28337

GOLDEN RULE RESOURCES LTD.	
MINING CLAIMS 777817-777819, 811071-811077, 811053-811058	
SHOAL LAKE PROPERTY GLASS TWP. SHOAL LAKE, ONTARIO VLF - EM CONTOURS	
DATE JULY 1985	NTS 52 E/10
PROJECT GR-ONT-5	MAPPED/DRAWN BY C. AUSSANT
SCALE 1:2500	0 50 100 METRES
TARG CONSULTANTS LTD	MAP 4





TL 12+50 N

L 12+00 N

L 11+00 N

L 10+00 N

L 9+00 N

L 8+00 N

L 7+00 N

L 6+00 N

L 5+00 N

L 4+00 N

L 3+00 N

L 2+00 N

L 8+75 E

L 1+00 E

L 10+00 E

L 11+25 E

L 12+50 E

L 13+75 E

L 15+00 E

L 16+25 E

BASELINE → 90°

1+00 S

2+00 S

3+00 S

4+00 S

5+00 S

6+00 S

7+00 S

TL 7+75 S

L 5+00 E

L 6+25 E

L 7+50 E

CONTOUR INTERVAL: 0, 5, 10, 15, 20, and 25'

GOLDEN RULE RESOURCES LTD.	
MINING CLAIMS 777817-777819, 811071-811077, 811053-811058	
ECHO BAY & BOYS TOWNSHIP SHOAL LAKE, ONTARIO	
VLF - EM CONTOURS - <i>Consulting</i>	
DATE JULY 1985	NTS 52 E/10
PROJECT GR-ONT-5	MAPPED/DRAWN BY C. AUSSANT
SCALE 1:2500	50 METRES
TAIGA CONSULTANTS LTD	MAP 4

02 83-66

28337 (top)