REPORT ON THE GEOPHYSICAL SURVEYS ON THE PROPERTIES OF JEDBURGH RESOURCES LTD. FRECHETTE AND SWEENY TOWNSHIPS, ONTARIO.

by

H. FERDERBER GEOPHYSICS LTD.

August 23, 1984 Val d'Or, Quebec

REPORT ON THE GEOPHYSICAL SURVEYS ON THE PROPERTIES OF JEDBURGH RESOURCES LTD. FRECHETTE AND SWEENY TOWNSHIPS, ONTARIO

INTRODUCTION

From July 15 to August 8, 1984, grids were established and geophysical surveys were conducted on Jedburgh Resources Ltd. properties in Frechette and Sweeny Townships, Ontario.

An electromagnetic survey using the VLF (very low frequency) system was used to define specific geological or geophysical conditions favourable for copper-gold mineralization. Also a magnetometer survey was conducted over selected areas to help outline more fully the rock structure.

The following report and accompanying maps describe the results of the surveys and gives an interpretation of these results.

PROPERTY DESCRIPTION, LOCATION AND ACCESS

The Jedburgh property consists of 159 claims in Frechette and Sweeny Townships and an option of 23 claims in Sweeny Township, 6 optioned claims in Frechette Township, District of Sudbury, Larder Lake Mining Division, and 44 claims in Sweeny Township, District of Sudbury, Sudbury Mining Division, Ontario (see Appendix 1 and Figure 1). The claims are recorded with the Ontario Ministry of Natural Resources and are shown on Land Management Branch Maps M817 and M1151.

The property is 40 miles north of the city of Sudbury and about 75 miles south of the gold producing area of Timmins. Access can be gained from Sudbury by float plane or by driving to Capreol on Highway 69 then taking the Canadian National Railway 35.8 miles north to McKee's Camp. Similarly, the property can be reached from Timmins by driving south on Highway 144 to Gogama then taking the train to McKee's Camp. McKee's Camp, located in the north-central part of the property on Odin Lake, can supply accommodations and a limited supply of services. Other supplies and services can be obtained from either Capreol or Gogama. The C.N.R. and an Ontario Hydro Line follow the west shore of the Vermilion River-Edna Lake through the eastern part of the claims.

The topography of the claims covered by the survey is rugged. Outcrop exposure is good particularly in the eastern part of the property where numerous cliffs with up to 300 ft. relief are located. Small creeks and lakes are found on the property and the Vermilion River and Edna Lake are situated in the eastern part of the group. Most of the area is forested and swamps are scarce.

GEOLOGY

The property is situated near the contact between the Superior and Southern Provinces of the Canadian Precambrian Shield. Existing Ontario Government maps (maps 2361 and 2393) indicate that only a small part of the claims are underlain by felsic intrusive rocks of the Superior Province, while most of the property is underlain by Huronian Supergroup sedimentary rocks of the Southern Province. The Huronian rocks have been intruded by Nipissing Diabase dykes and sills.

The Early Precambrian rocks of the Superior Province are mainly felsic intrusive granitic rocks. The Huronian rocks are made up of Lorrain and Gowganda Formation sediments. The Gowganda Formation sediments are comprised of conglomerate, sandstone, siltstone and argillite. Quartz sandstone, micaceous and aluminous quartz sandstone, quartz-feldspar sandstone and minor conglomerate and siltstone make up the rocks of the Lorrain Formation. The Nipissing Diabase in the area is comprised of pyroxene gabbro and minor pyroxenite.

The regional trend of the lineaments and rock units is slightly east of due south. The main fault in the area, the Vermilion Fault, follows the Vermilion River, Thor and Edna Lakes in the eastern part of the property. A sub-parallel fault just west of the Vermilion River Fault bisects the claims in Sweeny Township. Two faults striking perpendicular to the Vermilion River Fault trend south-westward from the Vermilion River to Dua Lake.

During the surveys numerous old trenches and drill holes were found on the property. During a geophysical survey over the 100 claims in Frechette Township earlier this year, trenches were located at base line 0, near lines 48S to 56S, about 2000 feet west of the northern end of Edna Lake. A detailed grid was cut over this area and

more trenches and numerous quartz veins were located. This location corresponds to the position of a copper showing plotted on map 2361 of the Ontario Geological Survey. On the optioned claims 5 old trenches were found in the survey area, near the location of another copper showing shown on map 2361.

SURVEY METHODS AND INSTRUMENT DATA

The electromagnetic survey was conducted along east-west cut picketted cross lines. These corss lines were established at 400 ft. intervals along north-south cut and chained base lines and tie lines. A total of 46.07 miles of cross lines and base lines were cut and chained on the south grid, Sweeny and Frechette Townships. This was a continuation of the work carried out earlier this year. A detailed grid totalling 5.15 miles comprised of 5 north-south lines was cut and chained at 400 ft. intervals on ten claims in the area of old trenches. On Jedburgh's property near Dua and Solo Lakes in Frechette Township, 7.05 miles of base lines and cross lines were cut and chained. The base line was cut in a N20°E direction and cross lines were cut at 200 ft. intervals perpendicular to the base line. All the lines were chained and picketted at 100 ft. stations. The grids are located on Figure 1.

The VLF-electromagnetic surveys were performed using a Geonics EM-16 unit. Because of the regional trend of the geology, the transmitter station NSS located at Annapolis, Maryland, frequency 21.4 kHz was used for the south grid (Frechette and Sweeny Twps.) and the optioned grid. The transmitter station at Cutler, Maine, NAA, frequency 24.0 kHz, was used for the electromagnetic survey over the detailed grid, (Map 3). The Fraser (1968) method of filtering was applied to the raw in-phase data. This reduction method transforms the zero corssovers to peaks for contouring purposes and helps reduce the geological noise. The Fraser filtered data was plotted and contoured on maps at a scale of 1 inch to 400 feet for the south (Map 2), and detailed grids (Map 3) and at a scale of 1 inch to 200 feet for the optioned grid (Map 5). The raw in-phase and quadrature readings were plotted and the in-phase data profiled on the dip angle maps at scales of 1 inch to 400 feet for the south and detailed grids and 1 inch to

200 feet for the optioned grid.

A Geonics Model G-816 proton magnetometer was used in the magnetic survey. This instrument measures the total intensity of the earth's magnetic field with a sensitivity of one gamma or better. Magnetic readings were taken at 100 foot intervals along the cross lines of the detailed and optioned grids. Base stations for determining the magnetic diurnal variations were established at various locations along the grids. The earth's total magnetic field was measured in gammas, corrected for diurnal variations and plotted at scales of one inch to 400 feet for the detailed grid and one inch to 200 feet for the optioned grid. The isomagnetics were contoured at 100 gamma intervals above 58,000 gammas for the detailed grid (map 4). On the optioned grid (map 6) the isomagnetics were contoured at 100 gamma intervals above 58,000 until 1000 gammas was reached then they were contoured at 500 gamma intervals.

GEOPHYSICAL SURVEY RESULTS

The results of the electromagnetic surveys are plotted on maps 2, 3, and 5. Numerous VLF anomalies were outlined and lettered A, B, C etc. on each map. The results of the magnetic surveys along with the electromagnetic conductors were plotted on maps 4 and 6. These results are described as follows:

South Grid - Frechette and Sweeny Townships (Map 2)

The electromagnetic survey outlined 9 north-south trending anomalies, conforming with the regional strike of the rock units.

Anomalies A and B are 2 short conductors in the south-western part fo the map. Anomaly A is moderate in conductive strength and is situated in the southern part of a swamp. Anomlay B is a weak conductor also centered in a swamp. They are located near a fault and the contact between the early Precambrian felsic intrusive and the Middle Precambrian Nipissing Diabase. The 2 anomalies could be caused by a weak shear zone or becuase of their proximetry to swamps by conductive overburden.

Anomaly C is comprised of 2 weak parallel trending conductors, about ½ mile west of Edna Lake. It is near outcrop and cliffs that are probably gabbro or amphibolite of the Nipissing Diabase Formation. The anomaly follows the trend of a small creek and could represent a weak shear in the gabbro.

Anomalies D and E are 2 weak anomalies 1300 and 2000 feet east of Edna Lake. They are centered in swamps and are probably caused by conductive overburden.

Anomlay F is a discontinuous weak conductor 2500 feet east of Edna Lake and the Vermilion River Fault. It is 2000 feet long and the limbs are separated by 800 feet of non-conductive material. It could represent a weak shear in the Nipissing Diabase Formation.

Anomaly G is comprised of 2 parallel trending weak conductors separated by 400 feet. The conductors are located in two swamps and could be caused by conductive overburden.

Anomaly H is a weak strength conductor just east of Edna Lake in the northern part of the map sheet. It is situated just north of the contact between the Nipissing Diabase Formation and the Gowganda Formation. It could represent a weak shear in the sediments.

Anomaly I is a 1700 ft. conductor situated near and parallel to the contact between the Gowganda and Nipissing Formations. So there is a good chance it could be caused by a shear zone and warrants further investigation.

Detailed Grid (Maps 3 and 4)

This grid was established in the area of some old trenches on Jedburgh's Frechette Property previously surveyed earlier this year. Two relatively weak east-west trending anomalies were located north and south of the trenches. Anomaly A is comprised of 2 short parallel conductors near the contact between the Lorrain and Gowganda Formation sediments. It could be a very weak shear. Anomaly B is a 2000 ft. long conductor located near an east-west trending fault. It could also represent a shear associated with this fault.

The main magnetic high on this grid is located exactly at the position of the old trenches which corresponds to the reported position of the copper showing. It is 1000 long and trends in an east-west direction. This suggests the possibility of an amount of magnetic material, probably oxidized iron in the sediments.

Optioned Grids (Maps 5 and 6)

Four electromagnetic anomalies were found on the optioned grid, not too far from the copper showing. Numerous magnetic highs and lows were also located near the anomalies on this grid.

Anomaly A is a N20°E trending 1600 foot long moderate strength conductor. This is situated close to the contact between the Gowganda Formation sediments, the felsic intrusive rocks and the Nipissing Diabase Formation. It follows a creek near the location of a fault and there is a strong possibility that this conductor represents a shear zone and needs further investigation.

Anomaly B is a series of 3 weak to moderate strength conductors situated about 150 feet west of an old drill hole and within 200 feet along strike of the old trenches. It follows a creek in a N20°E direction paralleling and near a fault close to the sediment, felsic intrusive and gabbro contact. Probably this anomaly is caused by a shear associated with the geological contacts and fault. The magnetics in the area of Anomaly B are very interesting. Magnetic lows correspond exactly with the main conductor of Anomaly B. On the east flank of the magnetic low is a magnetic high. Because of the proximetry of the contacts, faults electromagnetic anomaly and magnetic highs and lows this area warrants further investigation. It suggests that the rock is highly altered, probably sheared and could represent a good source of mineralization. The magnetic low could probably be caused by the felsic intrusive rocks and the magnetic high, the Gowganda sediments and the Nipissing Diabase Formation.

Anomaly C is a weak N10°W trending conductor that runs parallel to the contact between the Gowganda formation sediments and Early Precambrian felsic intrusive gabbro and mafic intrusive bodies.

It is 100 feet west and along strike of the old trenches. A long magnetic high follows the eastern flank of the conductor and probably is caused by the sediments in the south and both the sediments and mafic intrusives as it widens and grows stronger in the north. This area also warrants further investigation.

Anomaly D is comprised of 4 short parallel N20°E trending weak conductors separated by non-conductive material. Two conductors

e in swampy ground and could be caused by conductive overburden while the other two could possibly represent weak shears.

CONCLUSIONS AND RECOMMENDATIONS

The electromagnetic survey outlined several conductors striking in the same directions as the geological formations and faults stiuated in the area. Many of the Fraser filtered conductive values are within those representing the range of weak to minor shear zones.

The anomalies, trenches and old showings should be further investigated by detailed prospecting, geological mapping and sampling where possible and by geochemical overburden sampling in areas of overburden cover.

The conductive zones and associated magnetic highs and lows on the optioned grid are in close proximetry to geological contacts and a known fault. They are situated near the old trenches and should be mapped and sampled both across them and along strike. Anomaly B and C should be tested by diamond drilling since they could be caused by shearing, alteration and mineralization.

On the rest of the property the conductive zones representing possible shear zones should also be further investigated by diamond drilling, using the geological and geochemical data as a guide to determine which anomalies should be given first priorities as drill targets.

Respectfully submitted,

H. Ferderber Geophysics Ltd.

R.A. Campbell

R.A. Campbell, B.SC.
Geologist

August 23, 1984
Val d'Or, Quebec

APPENDIX I - Claim Numbers

SOUTH GRID - FRECHETTE AND SWEENY TWPS.

	Claim Numbers	Number of Claims
Frechette Township	L734619-L734630	12
	Three claims not numbered.	3
Sweeny Township	S721287-S721288	2
	S733947-S733948	2
	S734132-S734137	6
	S734145-S734156	12
	S734193-S734196	4
	S734616-S734618	3
	S734631-S734645	15
	Sub-total	59

DETAILED GRID - FRECHETTE TWP.

Frechette Township	L681710-L681711	2
	L681915-L681916	2
	L771039	1
	L721193-L721195	3
	L721204	1
	L765185	1
	Sub-total	10

OPTIONED GRID - FRECHETTE TWP.

Frechette Township	L767505-L767508	4
	L772999-L773000	2
	Sub-total	6
	TOTAL	75 Claims

GRID LOCATION MAP
for
JEDBURGH RESOURCES LTD.
FRECHETTE & SWEENY TWPS., ONT.

AUGUST, 1984 Scale 1" = 1 mile

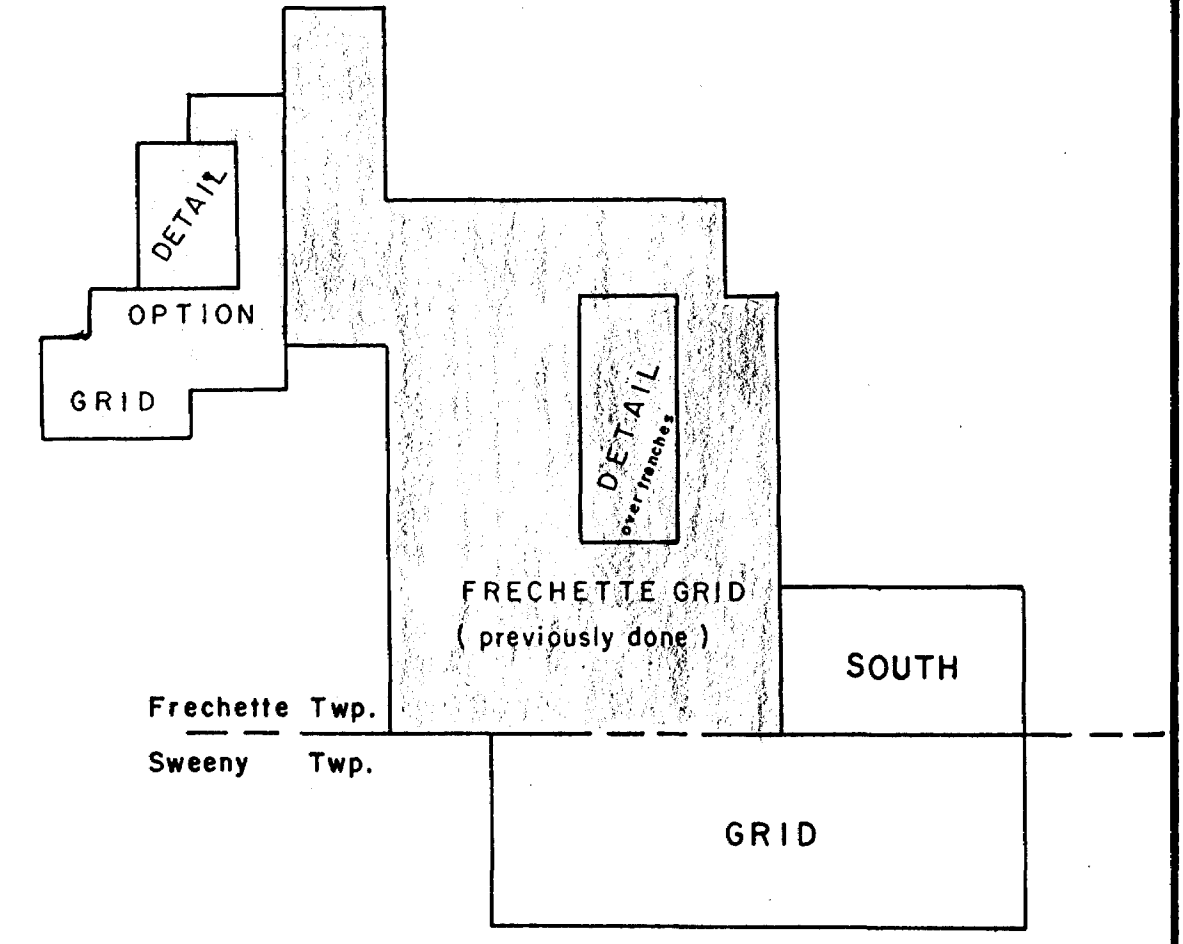

Figure 1.

List of Maps

Map No. 1	-	Dip Angle Data	- South Grid
Map No. 2	-	Filtered VLF	- South Grid
Map No. 3	-	Filtered VLF	- Detail Area
Map No. 4	-	Magnetic Survey	- Detail Area
Map No. 5	-	Filtered VLF	- Optioned Grid
Map No. 6	-	Magnetic Survey	- Optioned Grid
Map No. 7	-	Dip Angle Data	- Optioned Grid
Map No. 8	-	Dip Angle Data	- Detail Area

Lands Branch

Ministry of Natural Resources Ontario

W8407000353

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

41P03SE0014 2.7119 FRECHETTE

900

(Claim L681710)

N

Type of Survey(s)	Township or Area
Ground V.L.F. - E.M./Magnetometer	Frechette

Claim Holder(s)	Prospector's Licence No.
Jedburgh Resources Limited	T1496

Address: Suite 204, 67 Richmond Street West, Toronto, Ontario, M5H 1Z5

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
H. Ferderber Geophysics Ltd.	15 07 84 (Day Mo. Yr.) 08 08 84 (Day Mo. Yr.)	6.15 miles

Name and Address of Author (of Geo-Technical report): R. A. Campbell, B.Sc., 169 Perreault Avenue, Val d'Or, Quebec, J9P 2H1

Credits Requested per Each Claim in Columns at right

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	681710	
	681711	
	681915	
	681916	
	721039	
	721193	
	721194	
	721195	
	721204	
	765185	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

LARDER LAKE MINING DIV. RECEIVED AUG 30 1984 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

RECEIVED
SEP 11 1984
MINING LANDS SECTION

see revised statement

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: 10

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
400	AUG 30 1984	Acting J. Beattie
	Date Approved as Recorded	Branch Director

Date	Recorded Holder or Agent (Signature)
August 27, 1984	

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: Fenton Scott, P.Eng., 17 Malabar Place, Don Mills, Ontario, M3B 1A4

Date Certified	Certified by (Signature)
August 27, 1984	

1362 (81/9)

3.

Ministry of Natural Resources
Ontario

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

2.7119

Mining Act

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

(Claim L767502)

Type of Survey(s)	Township or Area
Ground V.L.F. - E.M./Magnetometer	Frechette

Claim Holder(s)	Prospector's Licence No.
Jedburgh Resources Limited	T1496

Address: Suite 204, 67 Richmond Street West, Toronto, Ontario, M5H 1Z5

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
H. Ferderber Geophysics Ltd.	15 07 84 (Day / Mo. / Yr.) 08 08 84 (Day / Mo. / Yr.)	6.44 miles

Name and Address of Author (of Geo-Technical report): R.A. Campbell, B.Sc.,169 Perreault Avenue, Val d'Or, Quebec J9P 2H1

Credits Requested per Each Claim in Columns at right

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	767505	
	767506	
	767507	
	767508	
	772999	
	773000	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

LARDER LAKE MINING DIV. RECEIVED AUG 30 1984 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

RECEIVED SEP 11 1984 MINING LANDS SECTION

see revised statement

Total number of mining claims covered by this report of work: 6

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.

Date	Recorded Holder or Agent (Signature)
August 27,1984	

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Total Days Cr. Recorded	Date Recorded	Mining Recorder
360	AUG 30 1984	Acting
	Date Approved as Recorded	Branch Director

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: Fenton Scott,P.Eng.,17 Malabar Place, Don Mills, Ontario, M3B 1A4

Date Certified	Certified by (Signature)
August 27,1984	

1362 (81/9)

Ministry of Natural Resources
Ontario

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

Mining Act

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2. 0d 298

(L 734619)

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)	Township or Area
Ground V.L.F. - E.M.	Frechette

Claim Holder(s)	Prospector's Licence No.
Jedburgh Resources Limited	T1496

Address: Suite 204, 67 Richmond Street West, Toronto, Ontario, M5H 1Z5

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
H. Ferderber Geophysics Ltd.	15 07 84 (Day Mo. Yr.) – 08 08 84 (Day Mo. Yr.)	11.18 miles

Name and Address of Author (of Geo-Technical report)
R. A. Campbell, B.Sc., 169 Perreault Avenue, Val d'Or, Quebec, J9P 2H1

Credits Requested per Each Claim in Columns at right

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	734619				
	734620				
	734621				
	734622				
	734623				
	734624				
	734625				
	734626				
	734627				
	734628				
	734629				
	734630				

LARDER LAKE MINING DIV.
RECEIVED
AUG 30 1984
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

RECEIVED
SEP 11 1984
MINING LANDS SECTION

see revised statement

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

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures				Total Days Credits
$	÷	15	=	

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.

Date	Recorded Holder or Agent (Signature)
August 27,1984	

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Total Days Cr. Recorded	Date Recorded	Mining Recorder
480	AUG 30 1984	Acting
	Date Approved as Recorded	Branch Director

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
Fenton Scott, P.Eng., 17 Malabar Place, Don Mills, Ontario, M3B 1A4

Date Certified	Certified by (Signature)
August 27,1984	

1362 (81/9)

#84-85

FICE # 2.12287. 1. Nov. 4R

Ontario Ministry of Natural Resources

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

2.7119

Mining Act

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

Type of Survey(s)	Township or Area
Ground V.L.F. - E.M.	Sweeny (M.1151)

Claim Holder(s)	Prospector's Licence No.
Jedburgh Resources Limited	T1496

Address: Suite 204, 67 Richmond Street West, Toronto, Ontario, M5H 1Z5

Survey Company	Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr.	Total Miles of line Cut
H. Ferderber Geophysics Ltd.	15 07 84 08 08 84	31.56 miles

Name and Address of Author (of Geo-Technical report): R. A. Campbell, B.Sc., 169 Perreault Avenue, Val d'Or, Quebec, J9P 2H1

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	40
	- 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	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

SUDBURY MINING DIV. RECEIVED AUG 30 1984 A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.

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

RECEIVED SEP 06 1984 MINING LANDS SECTION

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.

Date: August 27, 1984

Recorded Holder or Agent (Signature): [signature]

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Number	Expend. Days Cr.
S	721287	
	721288	
	733947	
	733948	
	734132	
	734133	
	734134	
	734135	
	734136	
	734137	
	734145	
	734146	
	734147	
	734148	
	734149	
	734150	
	734151	
	734152	
	734153	
	734154	
	734155	
	734156	
	734193	

Mining Claim Prefix	Number	Expend. Days Cr.
S	734194	
	734195	
	734196	
	734616	
	734617	
	734618	
	734631	
	734632	
	734633	
	734634	
	734635	
	734636	
	734637	
	734638	
	734639	
	734640	
	734641	
	734642	
	734643	
	734644	
	734645	
	see revised Statement	

Total number of mining claims covered by this report of work: 44

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Total Days Cr. Recorded	Date Recorded	Mining Recorder
1760	Sept. 5/84	D. C. Miller
	Date Approved as Recorded	Branch Director

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: Fenton Scott, P.Eng., 17 Malabar Place, Don Mills, Ontario, M3B 1A4

Date Certified: August 27, 1984

Certified by (Signature): [signature]

1362 (81/9)

Mining Lands Section

File No 2.7119

Control Sheet

TYPE OF SURVEY

✓ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

LD

Doug

Signature of Assessor

13/09/84

Date

1984 11 06

Your File: 353,354 & 355
Our File: 2.7119

Mining Recorder
Ministry of Natural Resources
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

RE: Notice of Intent dated October 12, 1984
Geophysical (Electromagnetic & Magnetometer)
Survey on Mining Claims L 681710 et al in
the Township of Frechette

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

D. Isherwood:mc

cc: Jedburgh Resources Limited
Suite 204
67 Richmond Street West
Toronto, Ontario
M5H 1Z5

cc: R.A. Campbell
169 Perreault Avenue
Val d'Or, Quebec
J9P 2H1

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

cc: Resident Geologist
Kirkland Lake, Ontario

Encl.

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7119

Date 1984 10 12

Mining Recorder's Report of Work No. 353

Recorded Holder: JEDBURGH RESOURCES LIMITED

Township or Area: FRECHETTE TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 20 days	L 681710-711 681915-916 721193 to 195 inclusive 765185
Magnetometer 20 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.	

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

10 DAYS ELECTROMAGNETIC 10 DAYS MAGNETOMETER	5 DAYS ELECTROMAGNETIC 5 DAYS MAGNETOMETER
L 721039	L 721204

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7119

Date 1984 10 12

Mining Recorder's Report of Work No. 354

Recorded Holder
JEDBURGH RESOURCES LIMITED

Township or Area
FRECHETTE TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 27 days	L 767505 to 508 inclusive 772999 773000
Magnetometer 13 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.	

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

Technical Assessment Work Credits

File 2.7119

Date 1984 10 12

Mining Recorder's Report of Work No. 355

Recorded Holder: JEDBURGH RESOURCES LIMITED

Township or Area: FRECHETTE TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	L 734621 to 625 inclusive 734627 to 630 inclusive
Electromagnetic 40 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.	

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

10 DAYS

L 734619-620

No credits have been allowed for the following mining claims

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

L 734626

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)

1984 11 06

Your File: 84-85
Our File: 2.7119

Mining Recorder
Ministry of Natural Resources
199 Larch Street
Sudbury, Ontario
P3E 5P9

Dear Sir:

RE: Notice of Intent dated October 12, 1984
Geophysical (Electromagnetic) Survey on
Mining Claims S 721287 et al in the Sweeney
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

D. Isherwood:mc

cc: Jedburgh Resources Limited
Suite 204
67 Richmond Street West
Toronto, Ontario

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

Encl.

cc: B.A. Campbell
169 Perreault Avenue
Val d'Or, Quebec
J9P 2H1

cc: Resident Geologist
Sudbury, Ontario

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7119

Date 1984 10 12

Mining Recorder's Report of Work No. 84-85

Recorded Holder
JEDBURGH RESOURCES LIMITED

Township or Area
SWEENY TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic 40 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.	S 721288 733947-948 734132 to 137 inclusive 734145 to 156 inclusive 734193 to 196 inclusive 734616 734618 734631 to 638 inclusive 734640 to 645 inclusive

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

20 DAYS

S 721287
734617
734639

No credits have been allowed for the following mining claims

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

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

828 (83/6)

Ministry of Natural Resources

Ontario

Oct 29/84

1984 10 12

Your File: 353,354,355
Our File: 2.7119

Mining Recorder
Ministry of Natural Resources
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

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

D. Isherwood:mc

Encls.

cc: Jedburgh Resources Limited
Suite 204
67 Richmond Street West
Toronto, Ontario
M5H 1Z5

R.A. Campbell
169 Perreault Avenue
Val d'Or, Quebec
J9P 2H1

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

845

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1984 10 12

2.7119/353,354,355

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 Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Ministry of Natural Resources

Ontario

Oct 29/84

1984 10 12

Your File: 84-85
Our File: 2.7119

Mining Recorder
Ministry of Natural Resources
199 Larch Street
Sudbury, Ontario
P3E 5P9

Dear Madam:

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

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

Yours sincerely,

S.F. Yundt
Director
Land Management Branch

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

D. Isherwood:mc

Encls.

cc: Jedburgh Resources Limited
Suite 204
67 Richmond Street West
Toronto, Ontario
M5H 1Z5

cc: R.A. Campbell
169 Perreault Avenue
Val d'Or, Quebec
J9P 2H1

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

845

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1984 10 12

2.7119/84-85

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.

1984 09 06

Your File: 300
Our File: 2.7119

Mr. George J. Koleszar
Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We have received reports and maps for a Geophysical (Electromagnetic & Magnetometer) Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims L 681710 et al in the Township of Frechette.

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

Yours sincerely,

David Reed
Per: S.E.
for L.

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-6918

A. Barr:sc

cc: Jedburgh Resources Limited
Suite 204
67nRichmond Street West
Toronto, Ontario
M5H 1Z5

cc: R.A. Campbell
169 Perreault Avenue
Val D'Or, Quebec
J9P 2H1

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) VLF-EM and Magnetometer

Township or Area Frechette, ~~Sweeney~~

Claim Holder(s) Jedburgh Resources Ltd.

Survey Company H. Ferderber Geophysics

Author of Report R.A. Campbell

Address of Author 169 Perrault Ave. Val d'Or, Quebec

Covering Dates of Survey July 15-August 8, 1984 (linecutting to office)

Total Miles of Line Cut 58.27

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	40
–Magnetometer	20
–Radiometric	
–Other	
Geological	
Geochemical	

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

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

DATE: August 28, 1984 SIGNATURE: _____ Author of Report or Agent

Res. Geol. _____ Qualifications 2.6609

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

Lists Attached

(prefix) (number)

If space insufficient, attach list

RECEIVED
AUG 31 1984
MINING LANDS SECTION

TOTAL CLAIMS _____

OFFICE USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 2876 Number of Readings 2876 VLF, 612 Mag

Station interval 100 feet Line spacing 400 feet

Profile scale 1"=40%

Contour interval Magnetometer-100-500 gammas VLF(Fraser) -10 units

MAGNETIC

Instrument Geonics G-816

Accuracy – Scale constant 1 gamma

Diurnal correction method Regular base station checks

Base Station check-in interval (hours) 2 hours

Base Station location and value (See maps)

ELECTROMAGNETIC

Instrument EM-16

Coil configuration Vertical

Coil separation Infinity

Accuracy 1°

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

Frequency 24.0 KH2(Cutler) and 21.4 KH2(Annapolis)
(specify V.L.F. station)

Parameters measured Resultant dip angles-Field strengths

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

L	681710	
	681711	
	681915	
	681916	
	721039	
	721193	
	721194	
	721195	
	721204	

S	721287	
	721288	
	733947	
	733948	
	734132	
	734133	
	734134	
	734135	
	734136	
	734137	
	734145	
	734146	
	734147	
	734148	
	734149	
	734150	
	734151	
	734152	
	734153	
	734154	
	734155	
	734156	
	734193	

S	734194	
	734195	
	734196	
	734616	
	734617	
	734618	
	734631	
	734632	
	734633	
	734634	
	734635	
	734636	
	734637	
	734638	
	734639	
	734640	
	734641	
	734642	
	734643	
	734644	
	734645	

L	765185	

L	767505	
	767506	
	767507	
	767508	
	772999	
	773000	

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_____

2.7.19

353	Em	Mag
L 681710	~~1/4~~ ✓	✓
711	1/4	1/4
915	✓	✓
916	✓	✓
721039	2/4	2/4
193	✓	✓
194	✓	✓
195	✓	✓
204	3/4	3/4
765185	✓	✓
354		
L 767505	1/4	1/4
506	2/4	2/4
507	1/4	1/4
508	1/4	1/4
772999	2/4	2/4
773000	1/4	1/4
	8/4	
(6-8/4) x 20		
6		

	Em
L: 734619	3/4
620	3/4
621	✓
622	✓
623	✓
624	✓
625	✓
626	O
627	1/4
628	✓
629	✓
L 734630	✓
S 721287	2/4
288	✓
733947	✓
948	✓
734132	✓
133	✓
134	✓
135	✓
136	✓
137	✓
734145	✓
146	✓
147	✓
148	✓
149	✓
150	✓
151	✓
152	✓
153	✓
154	✓
155	✓
156	✓
734193	✓
194	✓
195	✓
734196	✓

355	Em
S 734616	✓
617	2/4
618	✓
734631	✓
632	✓
633	✓
634	✓
635	✓
636	✓
637	✓
638	✓
639	2/4
640	✓
641	✓
642	1/4
643	✓
644	✓
645	✓

Lampman Twp.(M 977)

Scotia Twp.(M.1094)

McNamara Twp.(M.1018)

FRECHETTE

SWEENY

DeMOREST, STULL & LOW O.L.S.

1910

1909

JAMES HUTCHEAN

1ST. MERIDIAN LINE

Vermillion R.

Bob L.

Balsam Lake

Dua Lake

Dua Cr.

Crystal Lake

Thor Lake

Harrison Lake

Lue Lake

Avery Lake

Bass Lake

South Odin

Edna

Obonie Cr.

Sally Lake

Sweeny Creek

Laforest Creek

Vermilion Lake

Danae Lake

OPTION GRID

DETAIL GRID

UPPER DUA LAKE

NORTH SWEENY LAKE.

SOUTH

SLOE

LAFOREST

CANADIAN NATIONAL RAILWAY

TRANSMISSION LINE

C.N.R.

Elev.101.5'

Elev.112'

5 M

4 M

3 M

2 M

1 M

IM

79.23.

200

41P03SE0014 2.7119 FRECHETTE

W-1121

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

PLAN OF

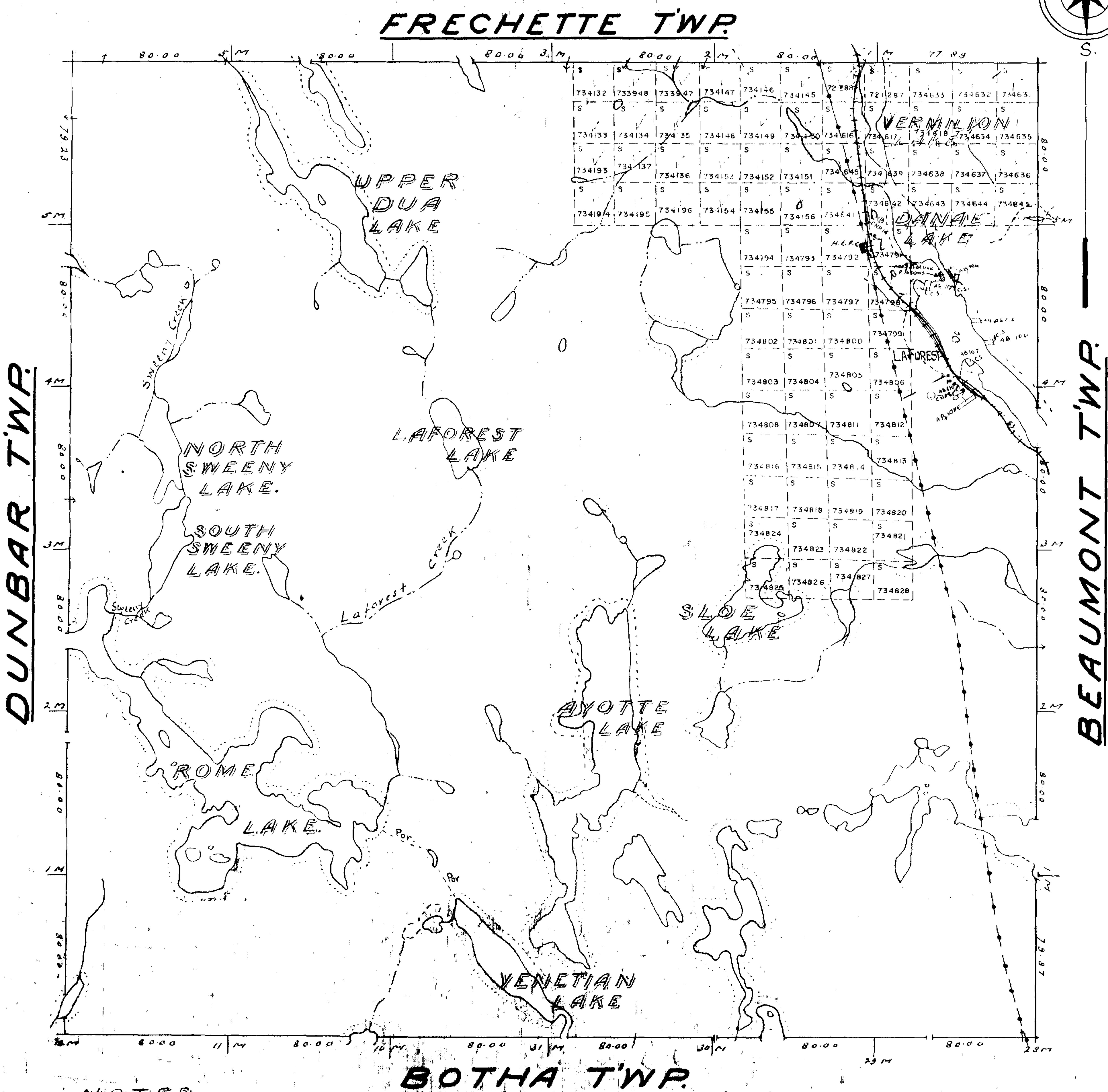
SWEENY T'WP.

SUDBURY MINING DIVISION.

DISTRICT OF SUDBURY.

M.1151

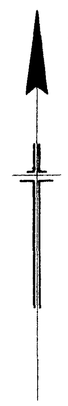
—Scale, 40 chains to an inch.—



NOTES
Railways shewn thus ....
Paved Highways ....
Gravel " ....
Highway Route No. ....
Other Roads ....
Non-perennial streams ....
Bridges ....
Buildings ....
Swamps ....
Patented
Leased
Licence of Occupation

41P03SE0014 2.7119 FRECHETTE

210



Tie Line 40 E (winter work)

L.96 S
L.100 S
L.104 S
L.108 S
L.112 S
L.116 S
L.120 S
L.124 S
L.128 S
L.132 S
L.136 S
L.140 S
L.144 S
L.148 S
L.152 S
L.156 S
L.160 S
L.164 S
L.168 S
L.172 S
L.176 S
L.180 S
L.184 S

EDNA

LAKE

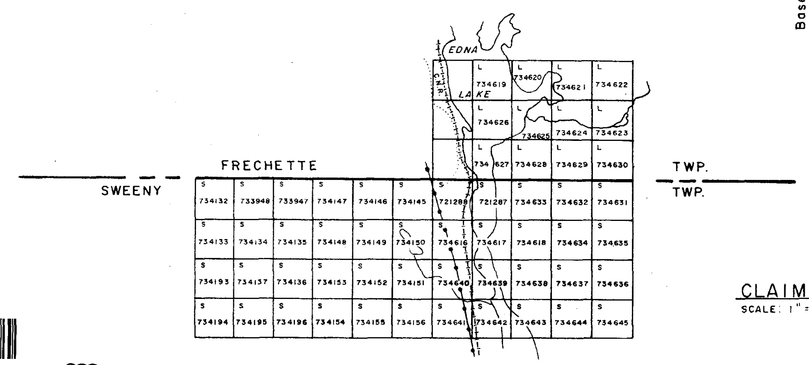
734619 734620 734621 734622
734626 734625 734624 734623
734627 734628 734629 734630
734633 734632 734631
734618 734634 734635
734617 734616
734639 734638 734637 734636
734641 734642 734643 734644 734645
734193 734137 734136
734194 734195 734196 734154 734155 734156
733947 734147 734146 734145
733948 734149 734150
734132 734133 734134 734135
734148 734153 734152 734151
721288 721287

Base Line 0

Tie Line 40 E

Tie Line 43 E

Tie Line 85 E



CLAIM MAP
SCALE: 1" = 1/2 mile

LEGEND

MEASUREMENT STATIONS ALONG PICKET LINES
ELECTROMAGNETIC READINGS - In Phase Component (%)
ELECTROMAGNETIC READINGS - Out of Phase Component (%)
PROFILE - In Phase Component (Scale 1" = 40%)
O.S. OFF SCALE

SOUTH GRID

TYPE OF WORK: DIP-ANGLE DATA

CLIENT: JEDBURGH RESOURCES LIMITED

PROJECT:

AREA: FRECHETTE & SWEENY TWPS., ONT.

H. Ferderber Geophysics Ltd.

SCALE: 1" = 400 ft

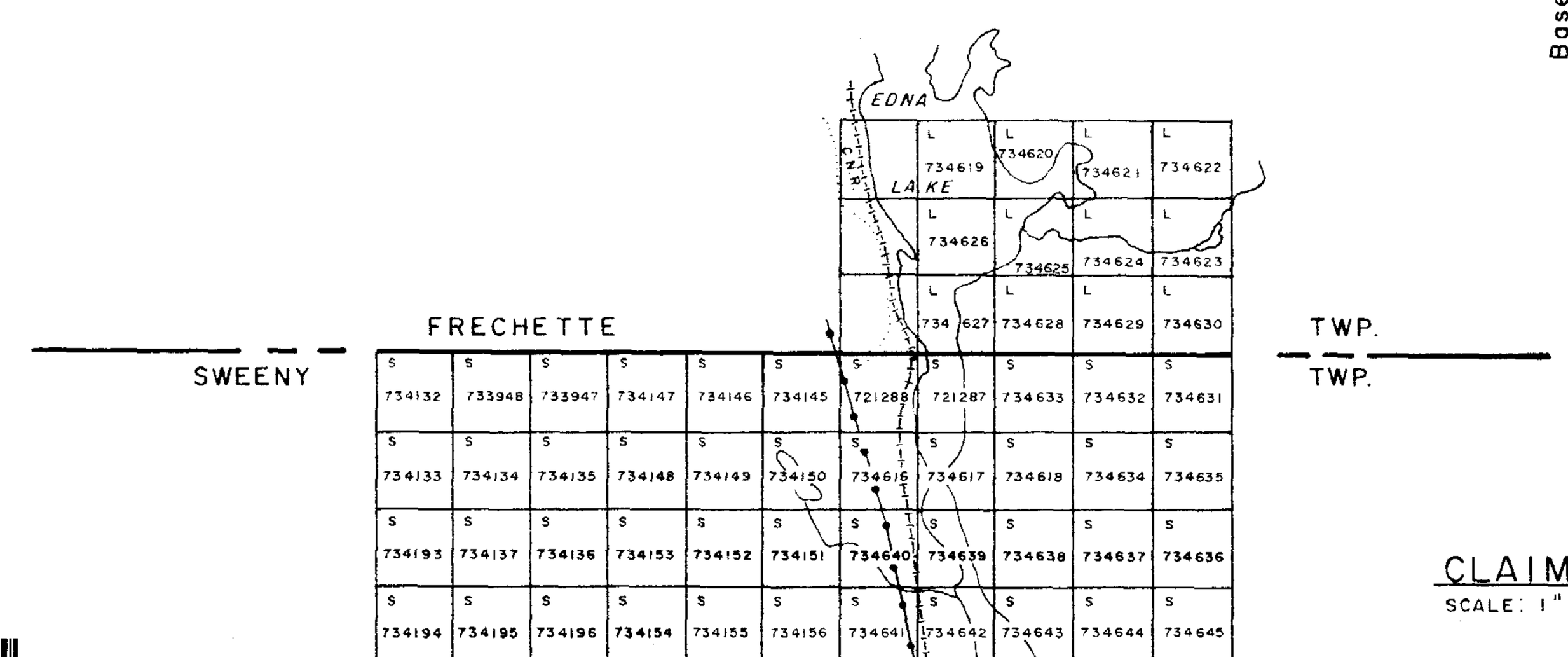
DATE: JULY, 1984

DRAWN BY: J

MAP OR SHEET NO. 1

41P030E0014 2.7119 FRECHETTE

220



CLAIM MAP
SCALE: 1" = 1/2 mile

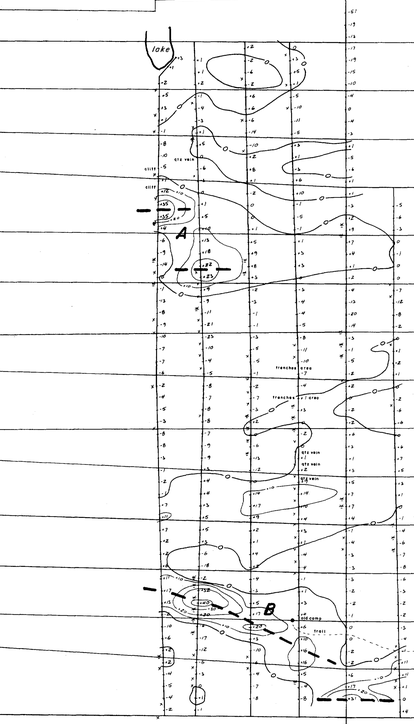
LEGEND

- MEASUREMENT STATIONS ALONG PICKET LINES
- FRASER REDUCTION METHOD USED
- CONTOUR INTERVAL : + 10
- ELECTRICAL CONDUCTOR
- INSTRUMENT USED : GEONICS EM - 16
- ■ CLAIM POST
- SWAMP
- x OUTCROP

Note: Annapolis, Maryland (NSS, 21.4 kHz) station used. Readings taken facing East, notes calculated W - E.

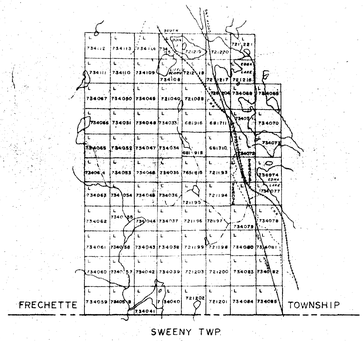
TYPE OF WORK	VERY LOW FREQUENCY ELECTROMAGNETIC SURVEY
CLIENT	JEDBURGH RESOURCES LIMITED
PROJECT	AREA: FRECHETTE & SWEENY TWPS., ONT.
H. Ferderber Geophysics Ltd.	SCALE: 1" = 400 ft · DATE: JULY, 1984 · DRAWN BY: · MAP OR SHEET NO: 2

230



TIE LINE 40 W.

BASE LINE 0



CLAIM MAP

SCALE : 1" = 1/2 mile

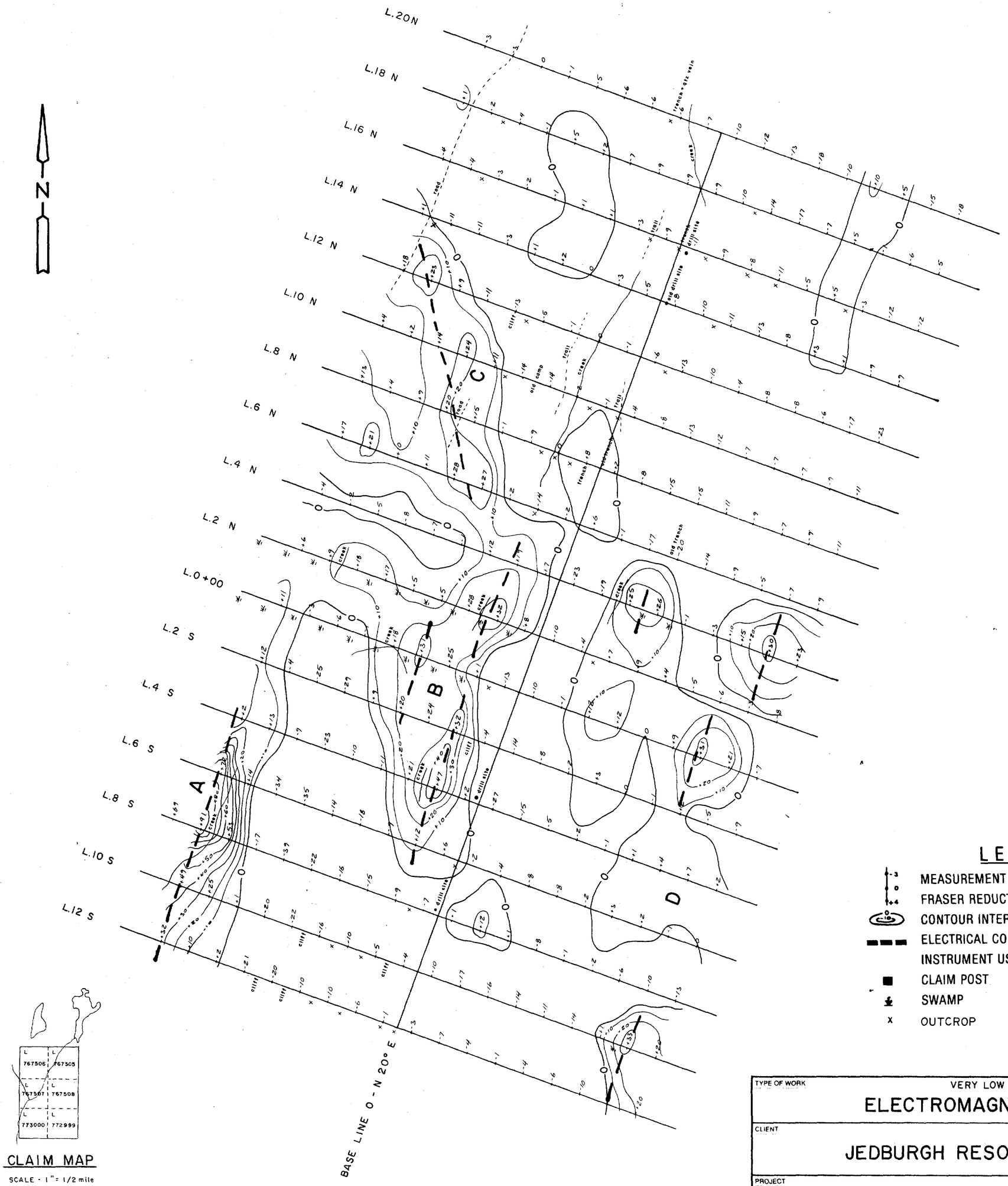
TIE LINE 40 W.

BASE LINE 0

CLAIM MAP

SCALE : 1" = 1/2 mile

MEASUREM
READING
RECORDE
MAGNETIC
BASE STA
ELECTRICA
INSTRUM



CLAIM MAP

SCALE - 1" = 1/2 mile

LEGEND

- MEASUREMENT STATIONS ALONG PICKET LINES
- FRASER REDUCTION METHOD USED
- CONTOUR INTERVAL : + 10
- ELECTRICAL CONDUCTOR
- INSTRUMENT USED : GEONICS EM - 16
- CLAIM POST
- SWAMP
- x OUTCROP

TYPE OF WORK: VERY LOW FREQUENCY
ELECTROMAGNETIC SURVEY 2.7119

CLIENT
JEDBURGH RESOURCES LIMITED

PROJECT	AREA
OPTIONED GRID	FRECHETTE TWP., ONT.
H. Ferderber Geophysics Ltd.	SCALE 1" = 200 ft; DATE AUGUST, 1984
	DRAWN BY; MAP OR SHEET NO. 5

N

L.20N
L.18 N
L.16 N
L.14 N
L.12 N
L.10 N
L.8 N
L.6 N
L.4 N
L.2 N
L.0+00
L.2 S
L.4 S
L.6 S
L.8 S
L.10 S
L.12 S

A
B
C
D

BASE LINE 0 - N 20° E

LEGEND

- MEASUREMENT STATIONS ALONG PICKET LINES
- READINGS OF EARTH'S TOTAL MAGNETIC FIELD
- +300 / -300 RECORDED READINGS ARE 58 000 (in gammas) PLUS PLOTTED VALUES
- +300 MAGNETIC CONTOURS
- BASE STATION
- ELECTRICAL CONDUCTOR
- INSTRUMENT USED: PROTON MAGNETOMETER

CLAIM MAP

SCALE - 1" = 1/2 mile

L 767506	L 767505
L 767507	L 767508
L 773000	L 772999

TYPE OF WORK

MAGNETOMETER SURVEY

CLIENT

JEDBURGH RESOURCES LIMITED

PROJECT	AREA	
OPTIONED GRID	FRECHETTE TWP., ONT.	
H. Ferderber Geophysics Ltd.	SCALE 1" = 200 ft	DATE AUGUST, 1984
	DRAWN BY	MAP OR SHEET NO. 6

N

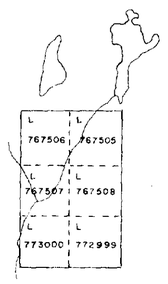
L.20N
L.18 N
L.16 N
L.14 N
L.12 N
L.10 N
L.8 N
L.6 N
L.4 N
L.2 N
L.0+00
L.2 S
L.4 S
L.6 S
L.8 S
L.10 S
L.12 S

767506
767505
767507
767508
773000
772999

BASE LINE 0 - N 20° E

CLAIM MAP

SCALE - 1" = 1/2 mile



LEGEND

MEASUREMENT STATIONS ALONG PICKET LINES

ELECTROMAGNETIC READINGS - In Phase Component (%)

ELECTROMAGNETIC READINGS - Out of Phase Component (%)

PROFILE - In Phase Component (Scale 1" = 20 %)

PROFILE - Out of Phase Component (Scale 1" = 20 %)

Note: Annapolis, Maryland (NSS, 21.4 kHz) station used. Readings taken facing East, notes calculated W - E.

TYPE OF WORK: DIP-ANGLE DATA 2719

CLIENT: JEDBURGH RESOURCES LIMITED

PROJECT: OPTIONED GROUP

AREA: FRECHETTE TWP., ONT.

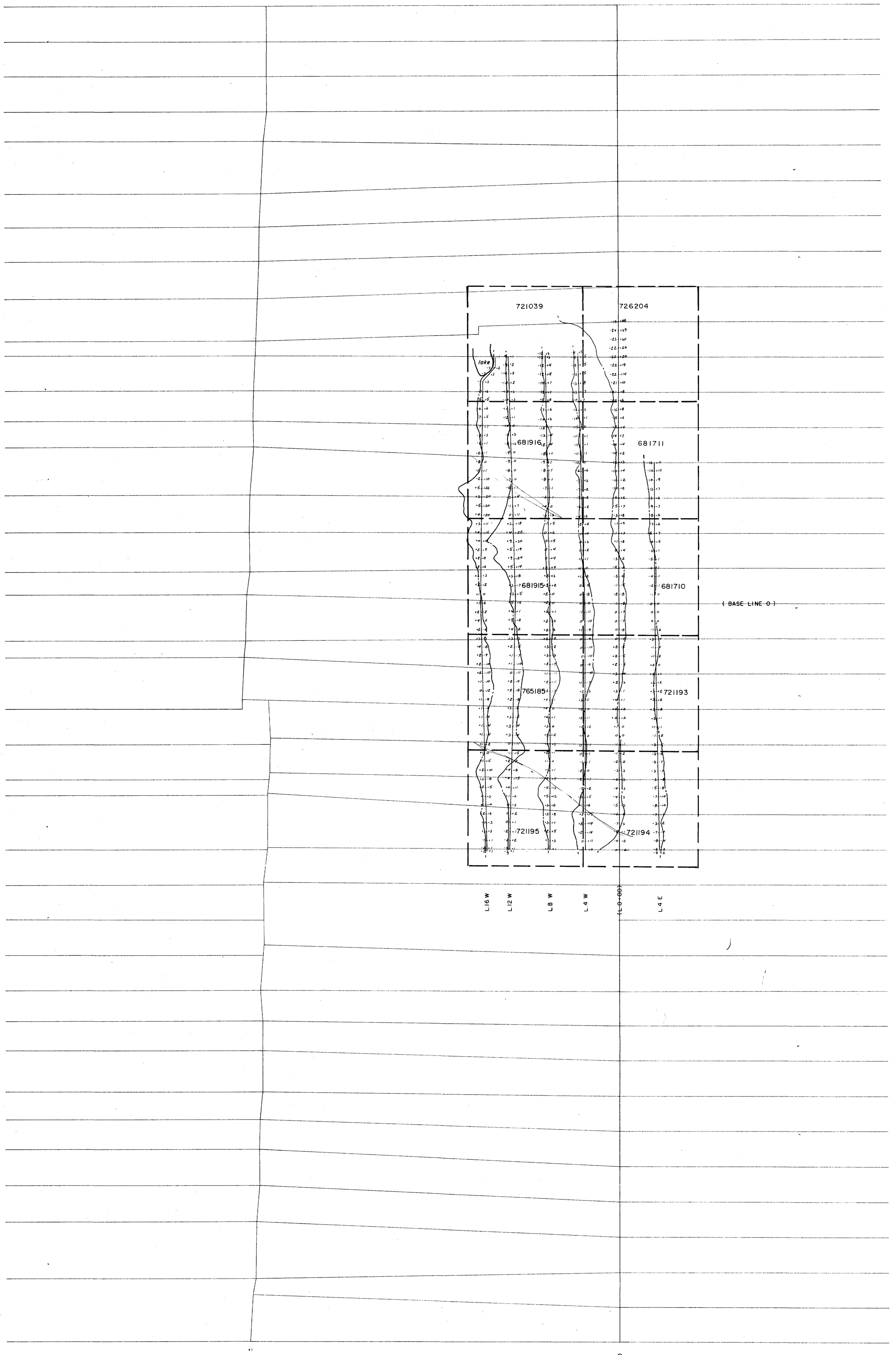
H. Ferderber Geophysics Ltd.

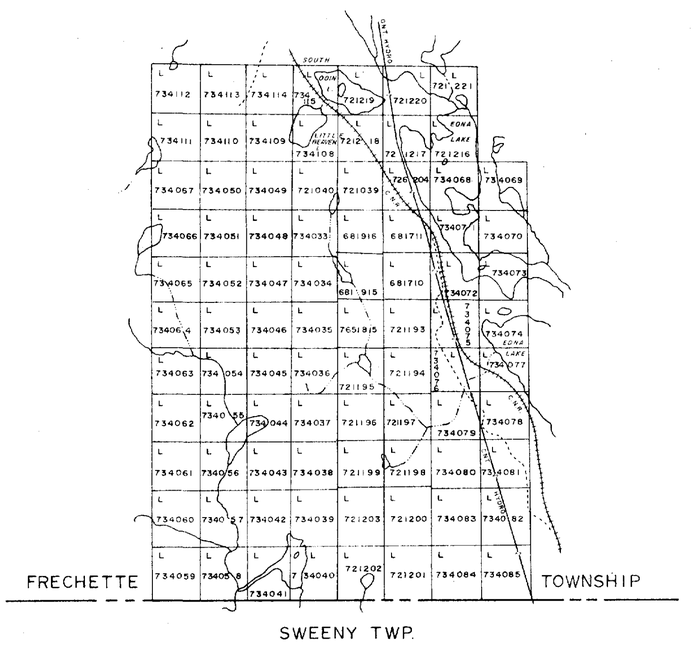
SCALE: 1" = 200 ft

DATE: AUGUST, 1984

DRAWN BY:

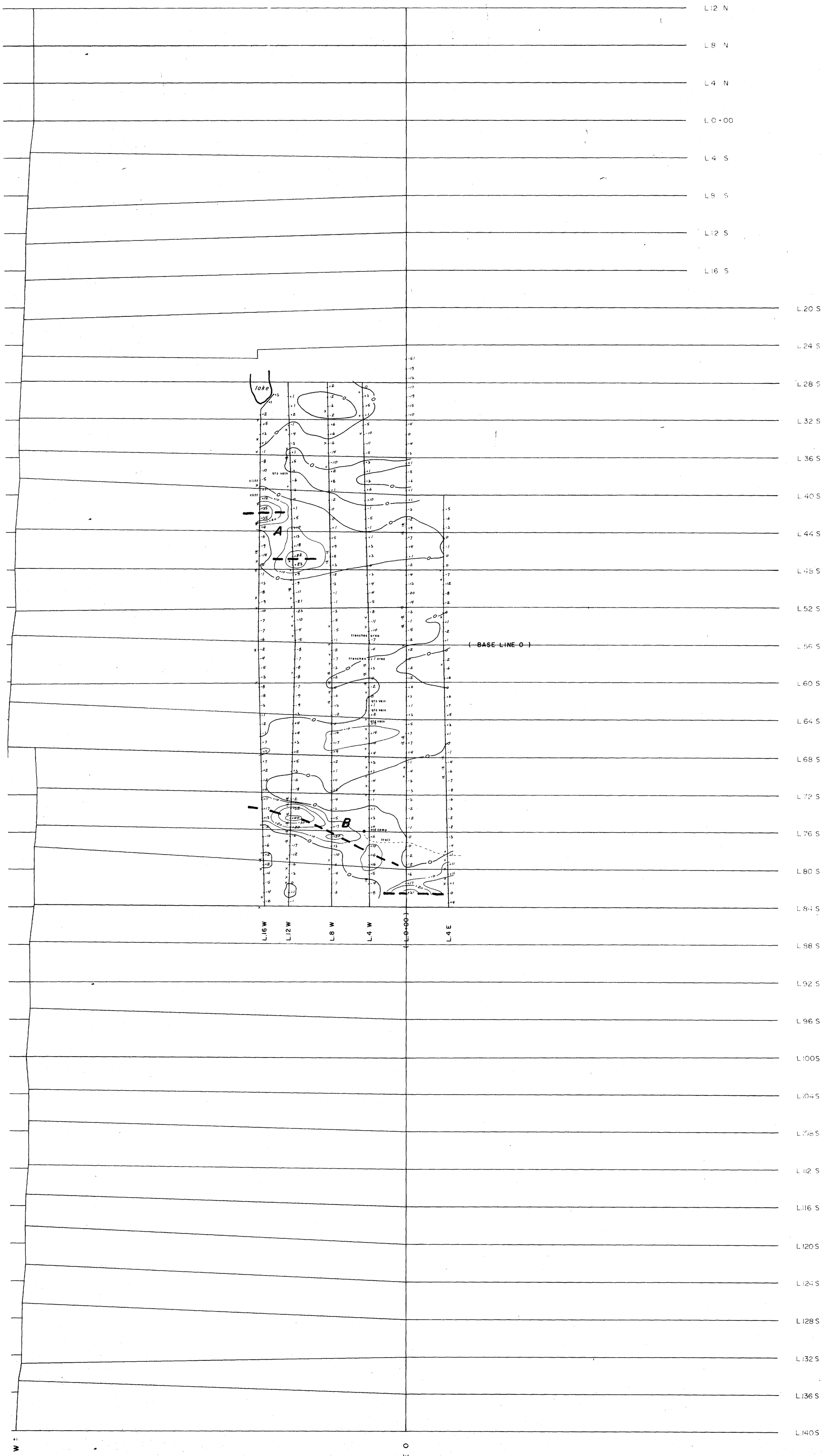
MAP OR SHEET NO: 7

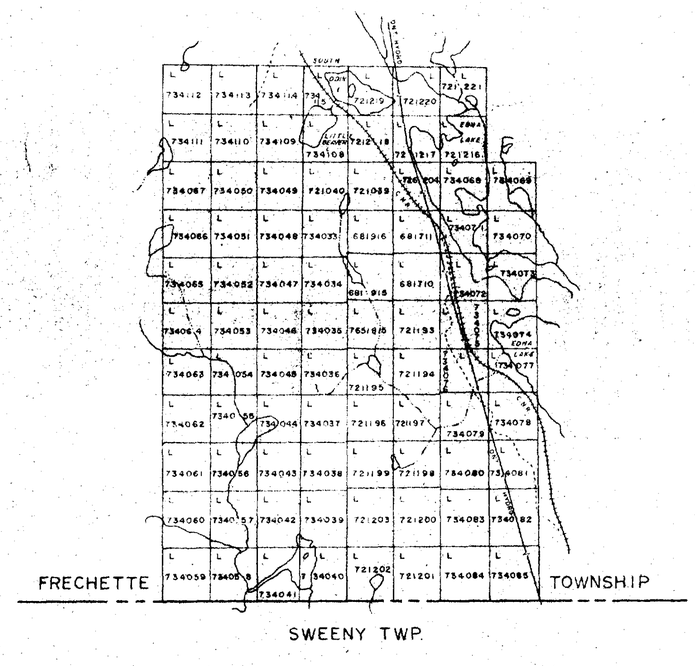




CLAIM MAP

SCALE : 1" = 1/2 mile





CLAIM MAP

SCALE : 1" = 1/2 mile

LEGEND

- MEASUREMENT STATIONS ALONG PICKET LINES
- FRASER REDUCTION METHOD USED
- CONTOUR INTERVAL : ± 10
- ELECTRICAL CONDUCTOR
- INSTRUMENT USED : GEONICS EM - 16
- CLAIM POST
- SWAMP
- x OUTCROP

DETAIL AREA

Note: Cutler, Maine (NAA, 24.0 kHz) station used, Readings taken facing North, notes calculated S to N

TYPE OF WORK: VERY LOW FREQUENCY
ELECTROMAGNETIC SURVEY 2749

CLIENT
JEDBURGH RESOURCES LIMITED

PROJECT: Detail Grid (Trench Area)

AREA: FRECHETTE TWP. ONT.

H. Ferderber Geophysics Ltd.

SCALE: 1" = 400 ft

DATE: AUGUST, 1984

DRAWN BY:

L.12 N

L.8 N

L.4 N

L.0+00

L.4 S

L.8 S

L.12 S

L.16 S

L.20 S

L.24 S

L.28 S

L.32 S

L.36 S

L.40 S

L.44 S

L.48 S

L.52 S

L.56 S

L.60 S

L.64 S

L.68 S

L.72 S

L.76 S

L.80 S

L.84 S

L.88 S

L.92 S

L.96 S

L.100S

L.104S

L.108S

L.112 S

L.116 S

L.120S

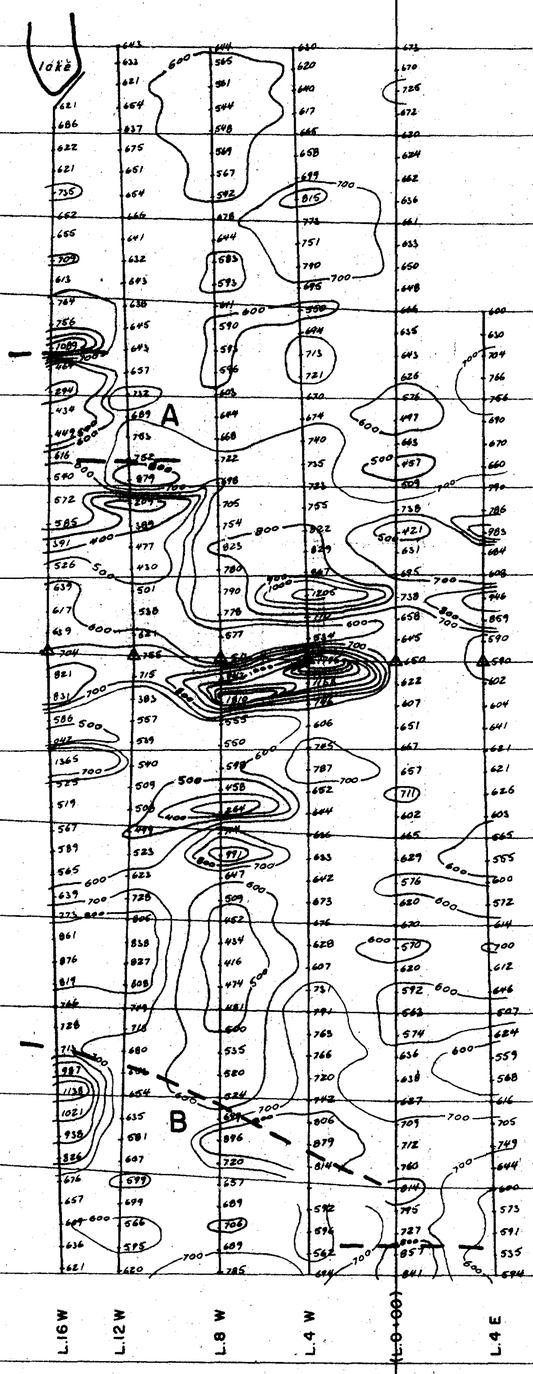
L.124S

L.128S

L.132S

L.136S

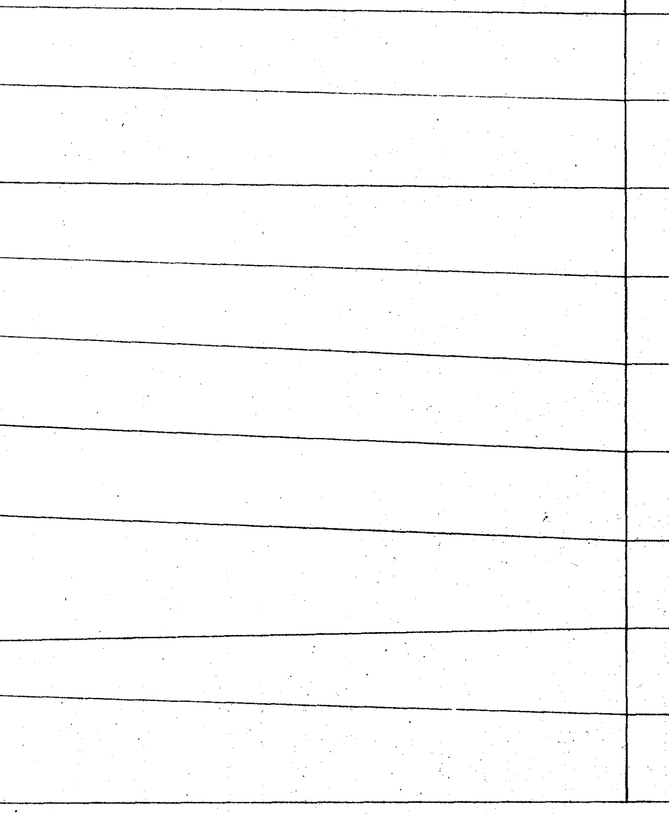
L.140S



N

TIE LINE 40 W ±

BASE LINE 0



CLAIM MAP

SCALE : 1" = 1/2 mile

LEGEND

- MEASUREMENT STATIONS ALONG PICKET LINES
- +300 / -300 READINGS OF EARTH'S TOTAL MAGNETIC FIELD
- RECORDED READINGS ARE 58 000 (in gammas) PLUS PLOTTED VALUES
- +200 MAGNETIC CONTOURS
- △ BASE STATION
- ELECTRICAL CONDUCTOR
- INSTRUMENT USED : PROTON MAGNETOMETER

2719

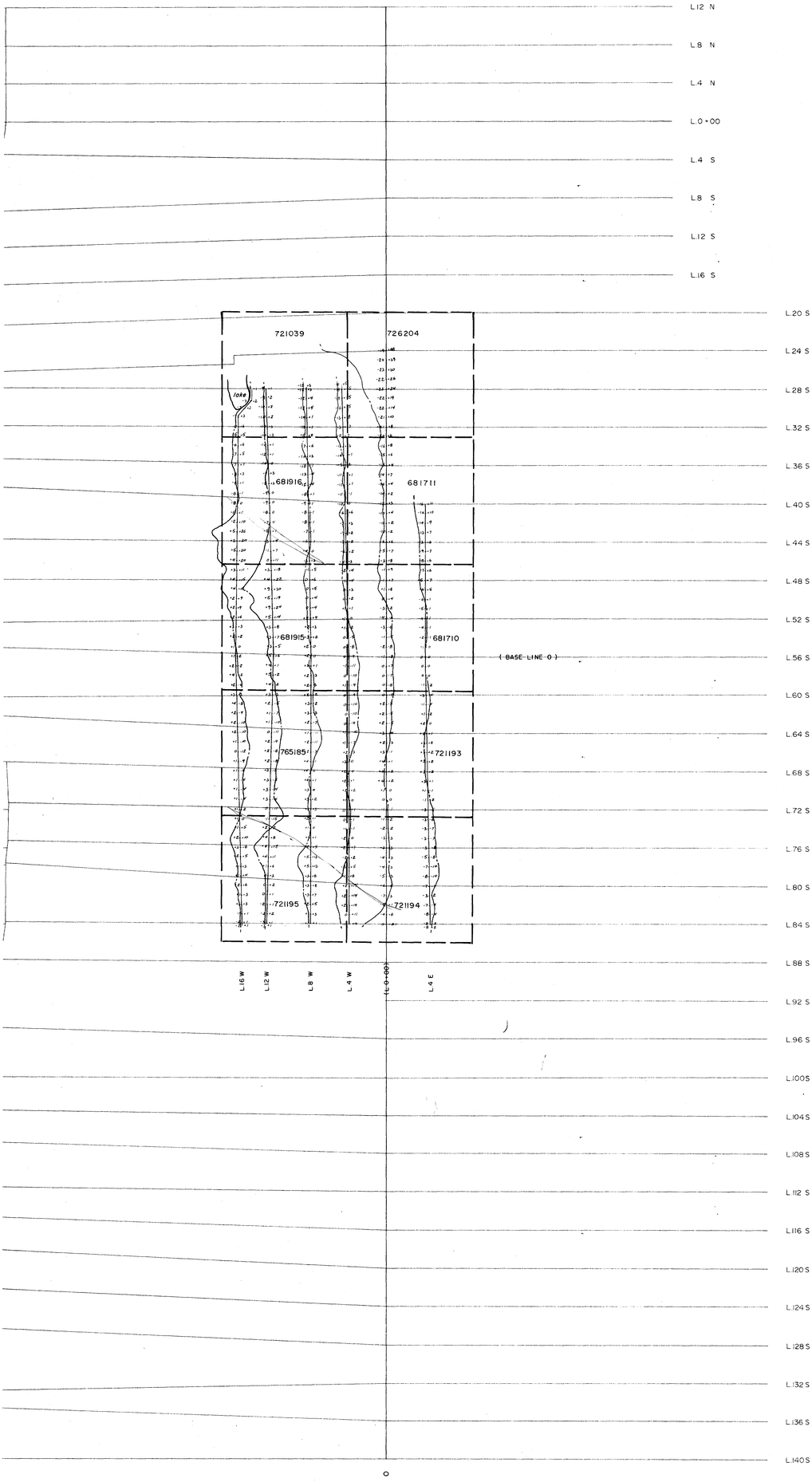
TYPE OF WORK: MAGNETOMETER SURVEY

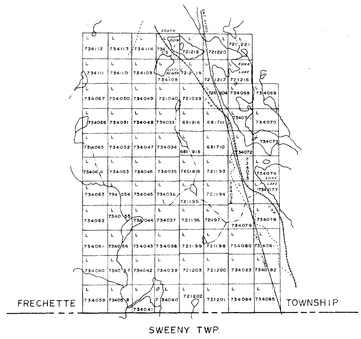
CLIENT: JEDBURGH RESOURCES LIMITED

PROJECT:

PROP. FRECHETTE TWP. ONT.

DATE: AUGUST





CLAIM MAP

SCALE : 1" = 1/2 mile

LEGEND

MEASUREMENT STATIONS ALONG PICKET LINES

ELECTROMAGNETIC READINGS - In Phase Component (%)

ELECTROMAGNETIC READINGS - Out of Phase Component (%)

PROFILE - In Phase Component (Scale 1" = 40 %)

TYPE OF WORK: DIP-ANGLE DATA

CLIENT: JEDBURGH RESOURCES LIMITED

PROJECT: DETAIL AREA

AREA: FRECHETTE TWP., ONT.

H. Ferderber Geophysics Ltd.

SCALE: 1" = 400 ft

DATE: AUGUST, 1984

DRAWN BY:

MAP OR SHEET NO.: 8