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REPORT ON THE AIRBORNE GEOPHYSICAL SURVEY ON THE PROPERTY OF SHIELD PLATINUM RESOURCES MANN AND REAUME TOWNSHIPS, ONTARIO

RECEIVED
FEB 08 1988
MINING LANDS SECTION

BY

H. FERDERBER GEOPHYSICS LTD.

January, 1988
Val d'Or, Quebec

G.N. Henriksen, B.Sc.
Geologist

REPORT ON THE AIRBORNE GEOPHYSICAL SURVEY ON THE PROPERTY OF SHIELD PLATINUM RESOURCES MANN AND REAUME TOWNSHIPS, ONTARIO

INTRODUCTION

On December 11 to December 14, 1987 an airborne geophysical survey was carried out on the property of Shield Platinum Resources in Mann and Reaume Townships, Ontario. Magnetic and VLF-electromagnetic data was collected by the airborne division of H. Ferderber Geophysics Ltd. The survey was flown from a base at Nellie Lake Iroquois Falls, Ontario. A total of 63.4 miles of data was collected.

The magnetic survey provides information which helps define underlying geological structures and identifies any potential economic concentrations from variations in accessory magnetic minerals. The VLF-electromagnetic survey outlines conductive zones which may represent shear zones and/or metallic sulphide deposits containing gold mineralization.

PROPERTY DESCRIPTION, LOCATION AND ACCESS

The Shield Platinum Resources property is comprised of a block of 26 claims in Mann Township and a block of 6 claims in Reaume Township, Porcupine Mining Division, Ontario. The claims in Mann Township lie in the northwest corner of the township and cover about 416 hectares. In Reaume Township, the property covers 96 hectares also in the northwest corner of the township. The claims are registered with the Ontario Mining Recorder's Office in Timmins and are listed in Appendix 1.

Claim block A, in Reume Township, is located about 16.7 km (10 miles) southwest of the town of Cochrane and 43.3 km (26 miles) northwest of the town of Iroquois Falls. Claim block B in Mann Township is located about 21.7 km (13 miles) south of the town of Cochrane and 33.3 km (20 miles) west-northwest of the town of Iroquois Falls.

Access to claim block A can be obtained by taking a road, from Highway 11 about 7 miles south of Cochrane, westward for 9 miles, to a junction with a northwest trending gravel road. The gravel road cuts across the southwest corner of the claim block.

Numerous logging roads are situated in the eastern half of the property.

Access to the central part of claim block B can be obtained by taking a road due west 9 miles from the village of Potter, which lies beside Highway 11 south of Cochrane.

Claim block A has been logged. The western third of the property is thinly forested and north trending logging roads traverse the eastern half.

The northwest corner of block B is bisected by the north-south trending Frederick House River. Pickerel Lake lies adjacent to the southeast corner of the claim block. The northern third of the claim block is forested and the southern two thirds has been logged. Topographic relief is low on both claim blocks.

Supplies. services and qualified manpower can be obtained in the Cochrane-Iroquois Lake-Timmins area.

GEOLOGY

The property lies in the northwestern Abitibi Greenstone Belt in the Superior Province of the Canadian Shield. The Ontario Department of Mines Geological Compilation Series Map 2205, Timmins-Kirkland Lake Sheet indicates claim block A in Reaume Township is underlain by metamorphosed mafic and ultramafic rocks. The central part and northwestern corner of the claim block are shown as being underlain by gabbro-diorite-lamprophyre while the northeastern side and southwestern corner are thought to be underlain by peridotite-dunite-pyroxenite and serpentinite. The serpentinite may in part be composed of ultramafic flows. Two northwest trending assumed faults traverse the claim block dividing it into three regions of approximately equal areas. A similar trending assumed fault lies one quarter mile southwest of the claim block. The claim block also lies two miles north along strike of the extension of an assumed fault.

A Cu and sulphide occurrence lies about one half mile west of the northwest corner of the block A. A chromite occurrence is located approximately one tenth of a mile southwest of the southwest corner of the property, in the vicinity of an assumed contact, immediately east of an assumed fault. A Cu-Ni sulphide

occurrence is situated about two miles southeast of the claim block and appears to be related to a north trending fault where metamorphosed mafic flows and pyroclastic rocks are in contact with metamorphosed ultramafic rocks.

Claim block B in Mann Township is indicated as being underlain by metamorphosed mafic and ultramafic rocks and intermediate and mafic metavolcanic rocks. A narrow east-west trending lense of gabbro-diorite-lamprophyre underlies about 2% of the north part of the claim block. A Ni-Cu-Pd occurrence is associated with the lense. A similar lense of rock is located north of and adjacent to the northern boundary of the claim block. Metamorphosed mafic flows and pyroclastic rocks underlie about 40% of the north central part of the claim block, extending from the eastern boundary and pinching out near the western boundary, and approximately 5% of the claim block in the southeast corner. The remaining 53% of the property is thought to be underlain by metamorphosed peridotite-dunite-pyoxenite-serpentinite rocks. The serpentinite rocks may be in part composed of ultramafic flows. A north-south trending diabase dyke crosses the central part of the claim group and three north-northeast trending assumed faults are situated about one half to one mile east

of the northeastern corner of the property. An east-southeast trending synclinal fold axis traverses the claim block from its northwest corner and an east-west trending anticlinal fold axis traverses the south central part of the claims. Approximately 0.5 miles south of the property a synclinal fold axis is shown as trending east-west. A Ni-Cu occurrence is situated 2.0 miles east of the northeast corner of the claim block, along strike of the unit of metamorphosed ultramafic rocks in the north part of the claim block. Another Cu-Ni occurrence lies approximately three miles east, along strike of the anitclinal axis that traverses the south part of the claim block. A chromite occurrence is shown as lying about one mile south of the claim block in metamorphosed ultramafic rocks. The folding wavelength across the property from fold axis separation appears to diminish from about 0.5 miles on the western side of the claim block to approximately 0.75 miles between crests or troughs on the eastern side of the claim block.

INSTRUMENTATION AND SURVEY METHODS

The survey was completed using a 1972 Cessna 172, fixed-wing aircraft, call letters CF-EWK, owned and operated by H. Ferderber Geophysics Ltd. The pilot and navigator/operator were Y. Saucier and M. Caron, respectively, of Val d'Or. Geophysical sensors were mounted in modified wing tips. The geophysical, navigation and data acquisition systems are described below.

Magnetometer

The magnetometer used was a GEM systems GSM-11, high sensitivity airborne proton (Overhauser) magnetometer. The instrument continuously measures the Earth's magnetic field at a 0.01 gamma sensitivity for 1 reading per second or 0.05 gamma to 10 readings per second at a 0.1 gamma absolute accuracy. The analogue output is on 3 channels, from 1 to 10,000 gammas full scale.

VLF-EM System

A Herz Totem 2A VLF-EM System was used. To measure the change in the total field and in the vertical quadrature field on two frequencies simultaneously, with an accuracy of 1%. The primary transmitting station of Seattle, Washington (NLK) frequency 24.8 kHz was employed in the survey.

Radar Altimeter

The ground clearance was measured with a King 10/10 A radar altimeter. The survey was flown at a mean clearance of 300 feet with the altimeter producing an accuracy of 5% (15 feet) at this altitude.

Tracking Camera and Video Centre

A RCA-200 colour video camera and Galaxy 200 video centre was used to record the flight path on standard VHS type video tapes. Manual fiducials were indicated on the picture frames for reference with the digital printout. Flight parth recovery was aided using a Panasonic Colour Video Monitor-S1300 and Video Cassette Recorder AG-2500.

Data Acquisition

A Picodas Group Inc. PDAS 1100 data acquisition system featuring seven analogue inputs with two frequency inputs and external interfacing was used. A Termiflex Corp. ST/32 Keyboard control unit and Sharp Corp. LCD display unit are connected to the data acquisition system. At present this system stores the altimeter VLF-1 inphase, VLF-1 quadrature, VLF-2 inphase, VLF-2 quadrature, magnetic field (coarse), magnetic field (fine), and the fourth difference (noise), and fiducials on 3.5 inch floppy disk drive. The data is then printed out in digital and profile form.

The survey was conducted on north-southlines at an aircraft altitude of 300 feet. The lines were flown at spacings of 100 meters at a speed of approximately 90 miles per hour. Navigation was visual using airphoto mosaics, at a scale of one inch to 1320 feet, manual fiducials and the flight path recovery system as references.

DATA PRESENTATION

Flight lines, fiducial points and geophysical responses were reproduced from the topographic maps on maps at a scale of one inch to 1320 feet (15,840). The outline of the claim group and claim map are shown on each sheet.

The areomagnetic data was corrected for diurnal variations by using a base line as reference. The data for claim block A was then reduced to a base level of 58,000 gammas, contoured at 25, 100, 500 and 1000 gamma intervals and presented on Map MG-A.
The data for claim block B was then reduced to a base level of 59,000 gammas, contoured at 0, 100, 500, and 1000 gamma intervals and presented on Map MG-B.

A base value was determined for the VLF-EM data and the change in the total field strength as a percentage of the base value was

calculated. The values were plotted on map EM-A and EM-B. The positive values were contoured at intervals of 2%. The conductor axes were determined and labelled A, B, C, etc. No priority was attached to the labelling system.

SURVEY RESULTS AND INTERPRETATION

Magnetic Survey Map MG-A

A magnetic high is situated in the southeast corner of the claim block. It is roughly circular in shape and has magnetic values in excess of 5000 gammas above background. A similar magnetic high anomaly lies adjacent to the northeast corner of the claim block. The magnetic highs overlie metamorphosed ultramafic rock. A magnetic low anomalous zone trending northeast traverses the northwest corner of the claim block and overlies rocks indicated as being metamorphosed mafic intrusive rocks, gabbro, diorite and/or lamprophyre.

A linear, north-south trending magnetic high anomaly situated on the southwest part of the claim block overlies metamorphosed ultramafic rocks. A linear north-south trending zone of magnetic low lies adjacent to the eastern flank of the linear magnetic

high anomaly. The magnetic low separates the linear magnetic high anomaly from the prominent circular magnetic high anomaly in the southeast corner of the claim block and appears to coincide with the position of an assumed fault zone.

Magnetic Survey Map MG-B

A magnetic high anomalous zone traverses the claim block. It trends south-southeastward from the northwest corner of the property to the southwestern boundary and then eastward across the south-central part of the claim block. It overlies possible metamorphosed ultramafic rock. A circular prominent magnetic high anomaly having magnetic vaules in excess of 4500 gammas above background constitutes part of the magnetic high anomalous zone. It is situated in the southwest part of the claim block and may represent an ultramafic plug.

A narrow, east-west trending, magnetic high anomalous zone situated immediately south of the northern boundary of the claim block overlies metamorphosed ultramafic rocks.

A linear magnetic low anomalous zone lies north of and adjacent to the east-west trending magnetic high anomalous zone. It is

situated along the northern boundary of the claim block and overlies a lense of metamorphosed mafic rock, gabbro, diorite and/or lamprophyre. The southern shoulder of the east-west trending magnetic high anomalous zone overlies the portion of a similar lense of rock hosting a Ni-Cu-Pd occurrence.

A broad magnetic low anomalous zone extends from the central eastern boundary westward, pinching out near the western boundary of the claim block. It overlies rocks metamorphosed mafic flow and pyroclastic rocks. A similar magnetic low anomalous zone is situated southeast of the claim block. Its northern shoulder trends northeast and traverses the southeast corner of the claim block.

The axes of the large east-west trending, magnetic high anomalous zone in the south part of the claim block and the magnetic low anomalous zone in the north part of the claim block coincide with anticlinal and synclinal axes, respectively.

VLF-electromagnetic Survey Map EM-A

Conductive zone A is a short, northwest trending conductor located in the southwest corner of the claim block. It overlies

a narrow north-south trending magnetic high anomalous zone, thought to be metamorphosed ultramafics. The zone is situated west of an assumed fault zone and may represent a shear zone.

VLF-electromagnetic Survey Map EM-B

Conductive zone B is a short, discontinuous northeast trending conductor lying over a river in the northwestern part of the claim block. It appears to cross cut the magnetic contour pattern and may be the result of an electromagnetic gathering effect of the river.

Conductive zone C a short, continuous, northeast trending conductor is located in the northeast corner of the claim block. It cross cuts the magnetic contour pattern at about 90o in an area where the magentic gradient is steep. Conductor C may represent a structural break.

Conductive zones D and E are discontinuous, northwest trending conductors located in the south part of the claim block. They cross cut the magnetic contour pattern and lie in the vicinity of assumed northeast striking geological contacts. The zones may represent structural breaks.

Conductive zone F is a discontinuous, north-south trending conductor located in the southwest part of the claim block. It cross cuts the magnetic contour pattern and lies along a diabase dyke.

Conductive zone G is a short, discontinuous, northwest trending conductor lying along the south shoulder of a magnetic low, in the central east part of the claim block. It may represent a shear zone associated with a geologic contact.

CONCLUSIONS

The airborne VLF-electromagnetic and magnetic surveys were successful in outlining possible shear zones and helping define the underlying geology of Shield Platinum Resources properties in Mann and Reaume Townships, Ontario.

The eastern part of block A, Reaume Township, appears to be underlain by metamorphosed ultramafics.The circular magnetic contour pattern suggests that the ultramafic rocks in the northeast corner may be a plug-like structrue. A narrow band of metamorphic ultramafic rocks is thought to strike north.

Rocks of lower magnetic susceptibility trend northeast across the northwest corner of the property and appear to be metamorphosed mafic intrusive rocks. The distortions of the magnetic contours of a low, east of the narrow north-south trending ultramafic rocks, lie near the location of an assumed fault zone.

In Mann Township, claim block B, rocks of high magnetic susceptibility, probably metamorphosed ultramafics traverse the south central part of the claim block, underlie its western side, and traverse the northern part of the claim block as a narrow east-west trending unit. The circular magnetic high in the southwestern part of the property may represent a cylindrical plug of metamorphosed ultramafic rocks. Rocks of lower magnetic susceptibility, but high magnetic values trend east-west across the central part of the northern boundary. Geological maps indicate that these rocks form a lense of metamorphosed mafic intrusives. Rocks of low magnetic susceptibility and low magnetic values underlie the northeast-north central part and the southeast corner of the claim block. These rocks are probably mafic flows and pyroclastics. The axes of the rocks of high magnetic susceptibility in the south part of the claim block and the axis of rocks of low magnetic susceptibility coincide with that of anticlinal and synclinal axies, respectively. The symmetry of the magnetic contour pattern re-affirm the existance of these structures.

Conductive zone A, which lies on claim block "A", in Reaume Township, may represent a shear zone.

Six conductive zones were outlined on claim block B in Mann Township. Of these, zones C, D, E and G appear to represent bedrock conductors. Conductors C, D and E may represent structrual breaks. Conductor G may represent a shear zone associated with a geological contact.

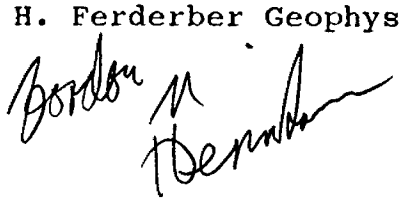
RECOMMENDATIONS

Further work is warranted on the property, especially in the areas of the above mentioned conductors, the southern shoulder of a narrow east-west trending magnetic high (in the vicintiy of the Ni-Cu-Pd occurrence), the margins of the distinct circular magnetic high anomalies on (both claim blocks A and B), and the eastern shoulder of the magnetic high anomalous zone on the west side of claim block B.

An exploration program of ground geophysics should be undertaken. The grid orientation should be northwest-southeast for claim block A and north-south for claim block B. A combined gradient/total field magnetic survey and a horizontal loop-electromagnetic survey should be performed. Geophysical anomalies should then be tested by diamond drilling.

Respectfully submitted,

H. Ferderber Geophysics Ltd.



G.N. Henriksen, B.Sc.

Geologist.

APPENDIX I - CLAIM LIST

Reaume Township Claim Block A	Mann Township Claim Block B	
P 858234	P 858228	P 917310
858235	858229	917311
858236	858230	917312
858237	858231	917313
858238	858232	917314
858239	858233	918928
	894253	918929
	917304	918930
	917305	918931
	917306	918932
	917307	918933
	917308	918934
	917309	918935

Ministry of Northern Development and Mines

Ontario

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

315/87 #31

Mining

42A14NE0007 2.10808 REAUME

900

Type of Survey(s)	Township or Area
Airborne Magnetometer & EM Survey	Mann & Reaume Twps.

Claim Holder(s)	Prospector's Licence No.
Shield Platinum Resources	T-4711

Address: c/o Box 1110 Sault Ste. Marie, Ontario P6A 5N7

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
H. FERDERBER GEOPHYSICS LTD.	11 12 87 (Day Mo. Yr.) 14 12 87 (Day Mo. Yr.)	

Name and Address of Author (of Geo-Technical report)
R.A. Campbell, 169 Perrault Ave., Val d'Or, Quebec

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	
For each additional survey: using the same grid: Enter 20 days (for each)	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	40
	Magnetometer	40
	Radiometric	

ONTARIO GEOLOGICAL SURVEY ASSESSMENT OFFICE
FEB 17 1988
RECEIVED

RECEIVED
DEC 29 1987
MINING LANDS SECTION

RECEIVED
DEC 15 1987
12:55 P.M.
NORTH BAY MINING DIVISION

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	858228	
	858229	
	858230	
	858231	
	858232	
	858233	
	858234	
	858235	
	858236	
	858237	
	858238	
	858239	
	917304	
	917305	
	917306	
	917307	
	917308	
	917309	
	917310	
	917311	
	917312	
	917313	
	917314	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	894253	
	918928	
	918929	
	918930	
	918931	
	918932	
	918933	
	918934	
	918935	

RECORDED
DEC 15 1987

Total number of mining claims covered by this report of work: 32

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

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

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
2560	Dec. 15/87	
	Date Approved as Recorded: 15 Feb 88	Branch Director

Date: Dec. 14/87

Recorded Holder or Agent (Signature)

Certification Verifying Report of Work

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

Name and Address of Person Certifying: R.A. MacGregor, P.O. Box 1110, Sault Ste. Marie, Ont. P6A 5N7

	Date Certified	Certified by (Signature)
	Dec. 14/87	

Ministry of Northern Development and Mines

Ontario

Geophysical-Geological-Geochemical Technical Data Statement

File _____

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) Airborne VLF-electromagnetic and Magnetic

Township or Area Mann and Reaume Townships

Claim Holder(s) Shield Platinum Resources

Survey Company H. Ferderber Geophysics Ltd.

Author of Report G.N. Henriksen

Address of Author 169 Perreault Ave., Val d'Or, Que

Covering Dates of Survey December 11 to 14, 1987 (linecutting to office)

Total Miles of Line Cut Flown 63.4

SPECIAL PROVISIONS CREDITS REQUESTED

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

ENTER 20 days for each additional survey using same grid.

DAYS per claim

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

Geological _____

Geochemical _____

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

Magnetometer 40 Electromagnetic 40 Radiometric _____ (enter days per claim)

DATE: Feb. 5, 1988 SIGNATURE: Gordon N Henriksen Author of Report or Agent

Res. Geol. _____ Qualifications 2.10136

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

P 858228 (prefix) (number)
et al.
see attached list

If space insufficient, attach list

RECEIVED
FEB 08 1988
MINING LANDS SECTION

TOTAL CLAIMS 32

OFFICE USE ONLY

837 (85/12)

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) VLF-EM and Magnetometer

Instrument(s) Herz Totem 2A and GEM GSM-11
(specify for each type of survey)

Accuracy 1% and 0.1 gammas
(specify for each type of survey)

Aircraft used Cessna 172, fixed wing aircraft (CF-EWK)

Sensor altitude 300 feet

Navigation and flight path recovery method Visual navigation on airphoto mosaic manual fiducial points and RCA TC-200 Colour Video Camera.

Aircraft altitude 300 feet Line Spacing 100 meters

Miles flown over total area 63.4 Over claims only 35.6 miles

APPENDIX I - CLAIM LIST

Reaume Township
Claim Block A

P 858234
858235
858236
858237
858238
858239

Mann Township
Claim Block B

P 858228	P 917310
858229	917311
858230	917312
858231	917313
858232	917314
858233	918928
894253	918929
917304	918930
917305	918931
917306	918932
917307	918933
917308	918934
917309	918935

...nistry of
Northern Development
and Mines

...io

Report of Work

(Geophysical, Geological,
Geochemical and Expenditures)

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): Airborne Magnetometer & EM Survey

Township or Area: Mann & Reaume Twps.

Claim Holder(s): Shield Platinum Resources

Prospector's Licence No.: T-4711

Address: c/o Box 1110 Sault Ste. Marie, Ontario P6A 5N7

Survey Company: H. FERDERBER GEOPHYSICS LTD.

Date of Survey (from & to): 11 12 87 (Day | Mo. | Yr.) 14 12 87 (Day | Mo. | Yr.)

Total Miles of line Cut:

Name and Address of Author (of Geo-Technical report): R.A. Campbell, 169 Perrault Ave., Val d'Or, Quebec

Credits Requested per Each Claim in Columns at right

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

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
P	858228		P	894253	
	858229			918928	
	858230			918929	
	858231			918930	
	858232			918931	
	858233			918932	
	858234			918933	
	858235			918934	
	858236			918935	
	858237				
	858238				
	858239				
	917304				
	917305				
	917306				
	917307				
	917308				
	917309				
	917310				
	917311				
	917312				
	917313				
	917314				

RECEIVED
FEB 08 1988
MINING LANDS SECTION

Total number of mining claims covered by this report of work: 32

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

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

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

Date: Dec. 14/87

Recorded Holder or Agent (Signature): [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: R.A. MacGregor, P.O. Box 1110, Sault Ste. Marie, Ont. P6A 5N7

WITHDRAWN FROM DISPOSITION

MINING RIGHTS ONLY
SURFACE RIGHTS ONLY
– MINING AND SURFACE RIGHTS

Order No.	Date	Disposition	File

WATER POWER RESERVE

HANNA TOWNSHIP

DUFF TOWNSHIP

NEWMARKET TOWNSHIP

LITTLE TOWNSHIP

VI V IV III II I

12 11 10 9 8 7 6 5 4 3 2 1

Pickerel Lake

Pickerel R.

Devonshire Creek

Frederick House River

Flint Creek

THREE MILE Road

Road

W.P.R.

WATERFALLING FALLS

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◓
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	▣
" , MINING RIGHTS ONLY	▤
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	R
CANCELLED	⊕
SAND & GRAVEL	S
LAND USE PERMIT	LUP

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC 1.

500 Metres 0 1000 Metres

10 Chains 0 10 20 30 40 50 60 70 Chains

500 Feet 0 1000 2000 3000 4000 5000 Feet

SCALE 1:20 000

Received Sept 22/86

RECEIVED JUN 29 1987 FORESTRY PLANNING DIVISION

TOWNSHIP

MANN

M.N.R. ADMINISTRATIVE DISTRICT

COCHRANE

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE

Ministry of Natural Resources — Ontario

Ministry of Northern Development and Mines

Date SEPTEMBER, 1986

Number G-3537

CK-GL
SM

42A14NE0007 2.18688 REAUME

200

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

Subdivision of this township into lots and concessions was annulled July 9, 1962.

SAND and GRAVEL

(1)	Gravel Reserve	File: 144579
(2)	Gravel Reserve	File: 144585
(3)	Gravel Reserve	File: 173973
(G)	Quarry Permit	

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210

FOURNIER TP. M.477

CONCESSION I

LOT 11 LOT 10 | LOT 9 LOT 8 | LOT 5 LOT 4 | LOT 3 LOT 2

Corman L.

BECK TP. M.413

HANNA TP. M.490

LUCAS TP. M.537

DUFF TP. M.466

Reaume Lake

S.E. CORNER CO-ORDINATES (Approx.)
LAT. 48° 53' 04"
DEP. 81° 04' 28"

J.S.M.

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	◒
" MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	◨
" MINING RIGHTS ONLY	◨
LICENCE OF OCCUPATION	▼
CROWN LAND SALE	C.S.
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊗
SAND & GRAVEL	◔
LAND USE PERMIT	*

SCALE : 1 INCH 40 CHAINS

FEET 0 500 1000 2000 4000 6000 8000

METRES 0 200 400 600 800 1 KM 2 KM

ACRES	HECTARES
40	16

TOWNSHIP

REAUME

DISTRICT

COCHRANE

MINING DIVISION

PORCUPINE

Received May 5/80

RECEIVED AUG 25 1987 Surveys and Mapping Branch

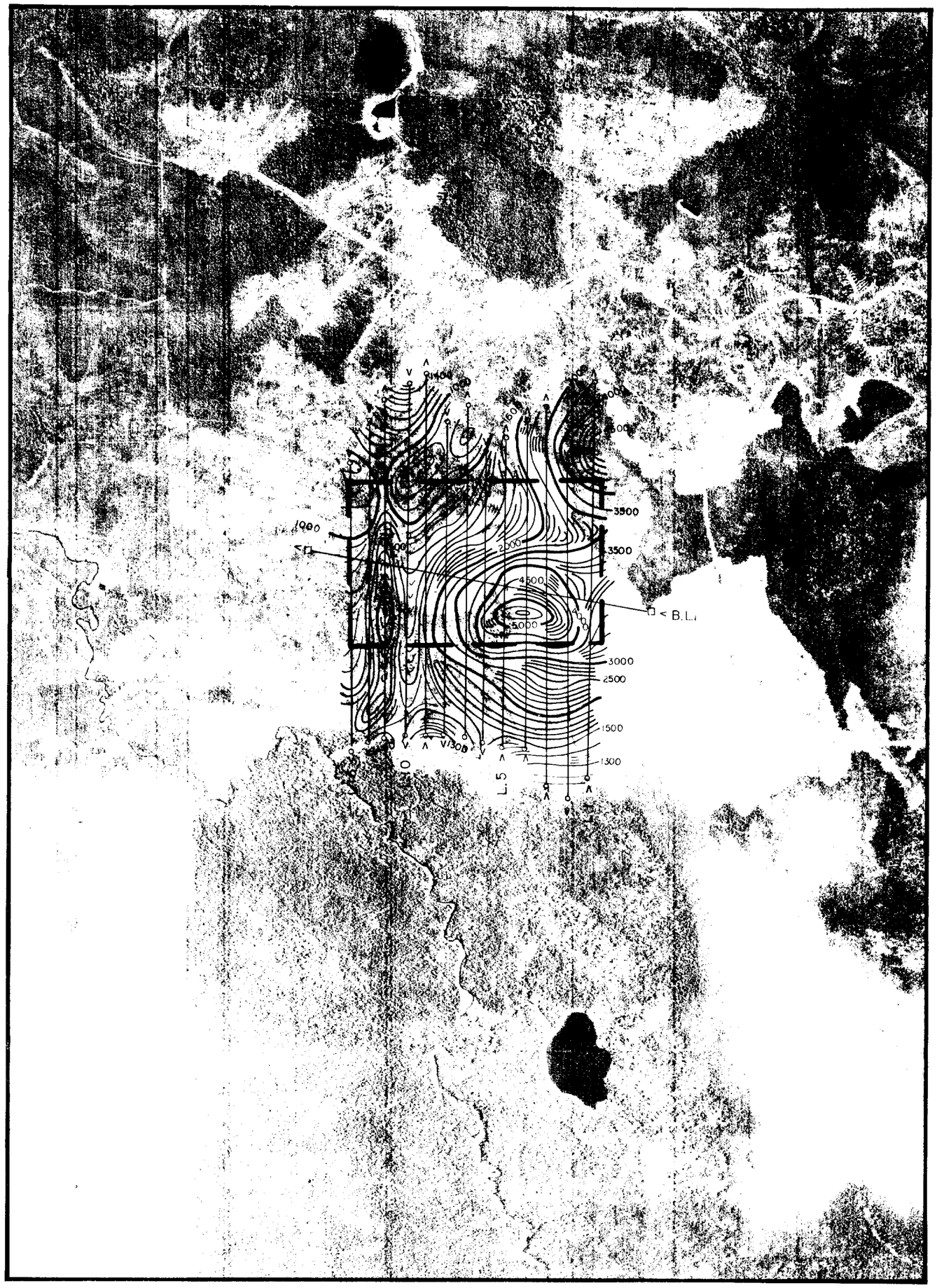
Ministry of Natural Resources

Ontario Surveys and Mapping Branch

Date OCT. 1975

Plan No. M.576

Whitney Block Queen's Park, Toronto



LEGEND

TOTAL FIELD CONTOUR INTERVAL 25 GAMMAS

O FIDUCIAL POINT

> LINE DIRECTION

BASE VALUE 58000 GAMMAS

MAGNETIC LOW

1000 GAMMAS

500 GAMMAS

100 GAMMAS

25 GAMMAS

AIRBORNE MAGNETIC SURVEY

R.A. MACGREGOR

SHIELD PLATINUM RESOURCES
BLOCK "A"

AREA
REAUME TWP. ONT.

H. Ferderber Geophysics Ltd.

SCALE 1" = 1/4 mile

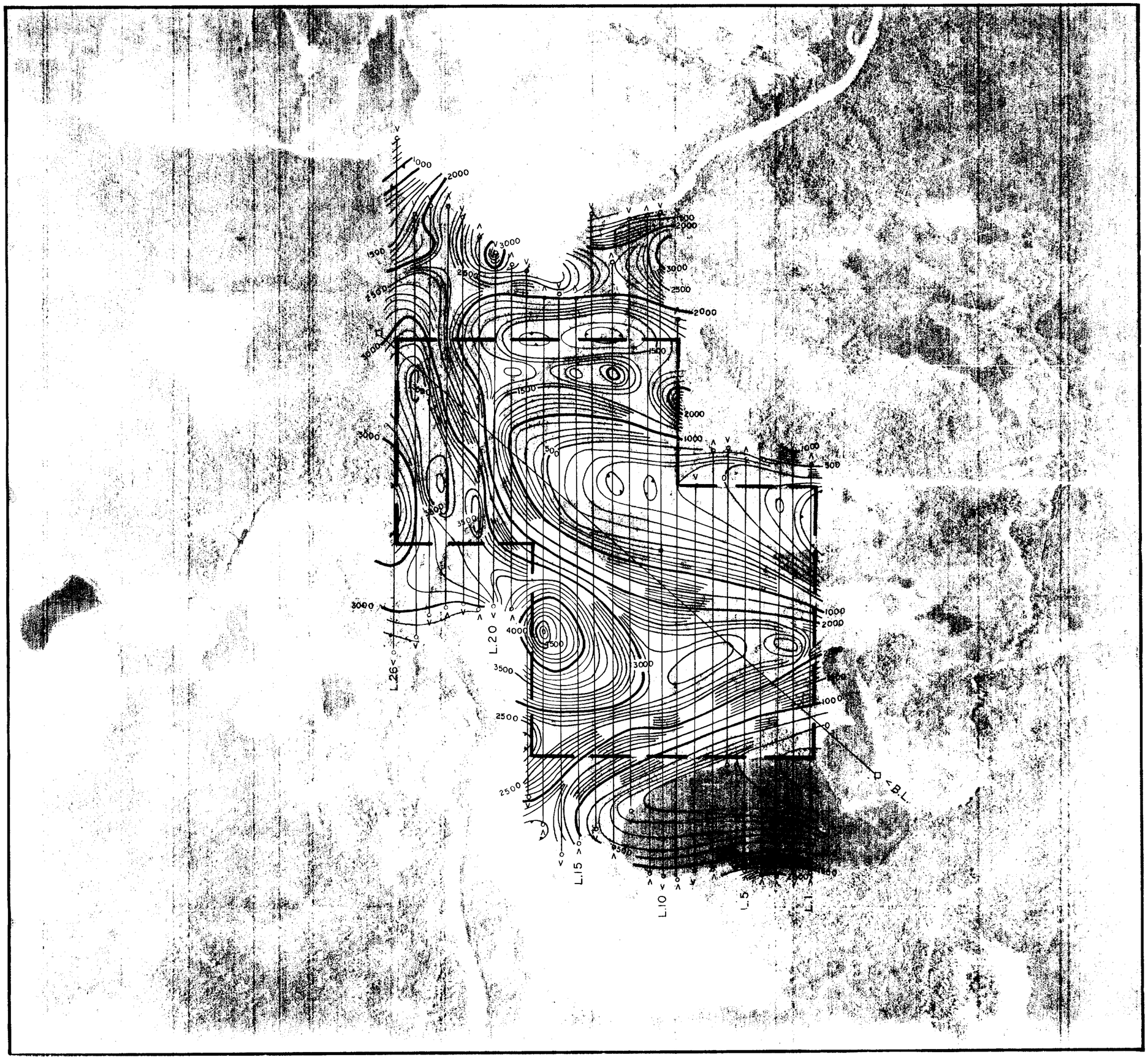
DATE JAN 1988

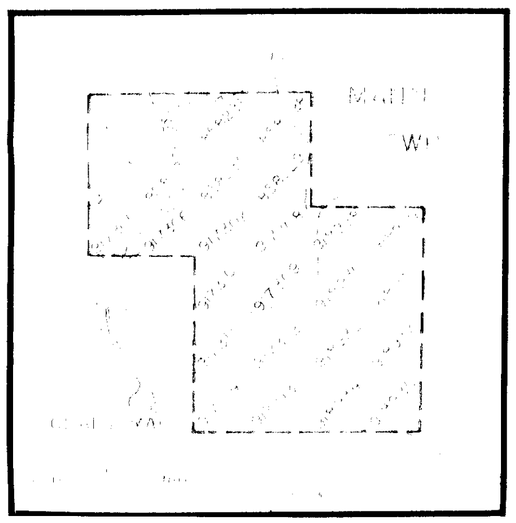
DRAWN BY DW

MAP OR SHEET NO. MG-A

42A14NE0007 2.10808 REAUME

220





LEGEND

TOTAL FIELD CONTOUR INTERVAL 100 GAMMAS

FIDUCIAL POINT

LINE DIRECTION

BASE VALUE 59000 GAMMAS

MAGNETIC LOW

1000 GAMMAS

500 GAMMAS

100 GAMMAS

0 GAMMA

AIRBORNE MAGNETIC SURVEY

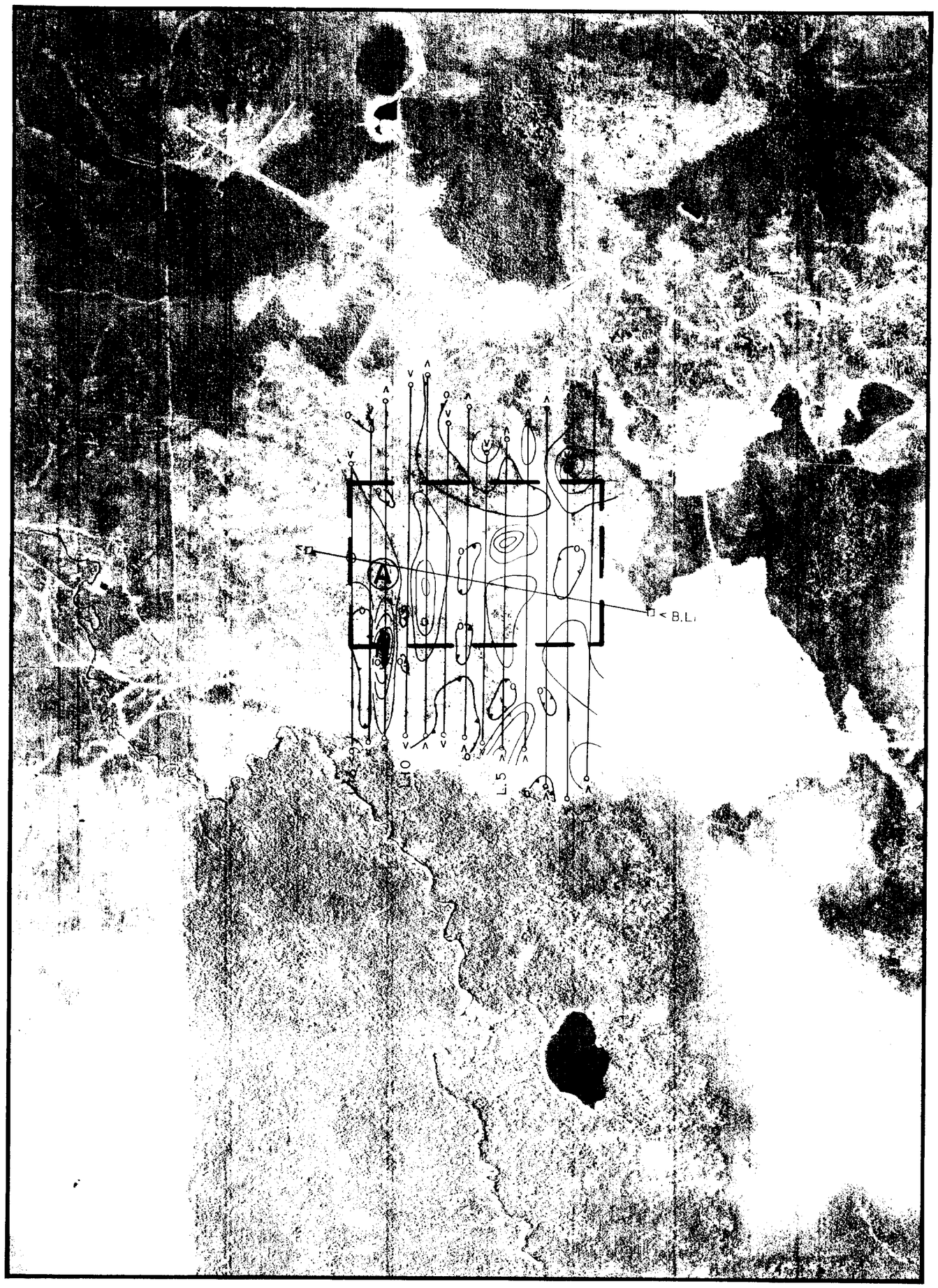
R.A. MACGREGOR

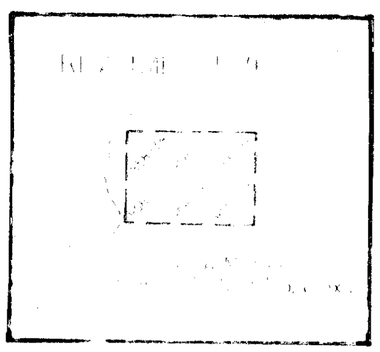
SHIELD PLATINUM RESOURCES
BLOCK "B"

H. Ferderber Geophysics Ltd

MG-6

42A14NE0007 2.10808 REAUME





LEGEND

TOTAL FIELD CONTOUR INTERVAL 2 %

CONDUCTOR AXIS

FIDUCIAL POINT

LINE DIRECTION

STATION USED: SEATTLE, WASHINGTON, USA.(N.L.K. 24.8 kHz.)

LESS THAN ZERO

10 %

2 %

0 %

AIRBORNE V.L.F-EM SURVEY

R.A. MACGREGOR

PROJECT: SHIELD PLATINUM RESOURCES BLOCK "A"

AREA: REAUME TWP. LTD.

SURVEY BY: H. Ferderber Geophysics Ltd.

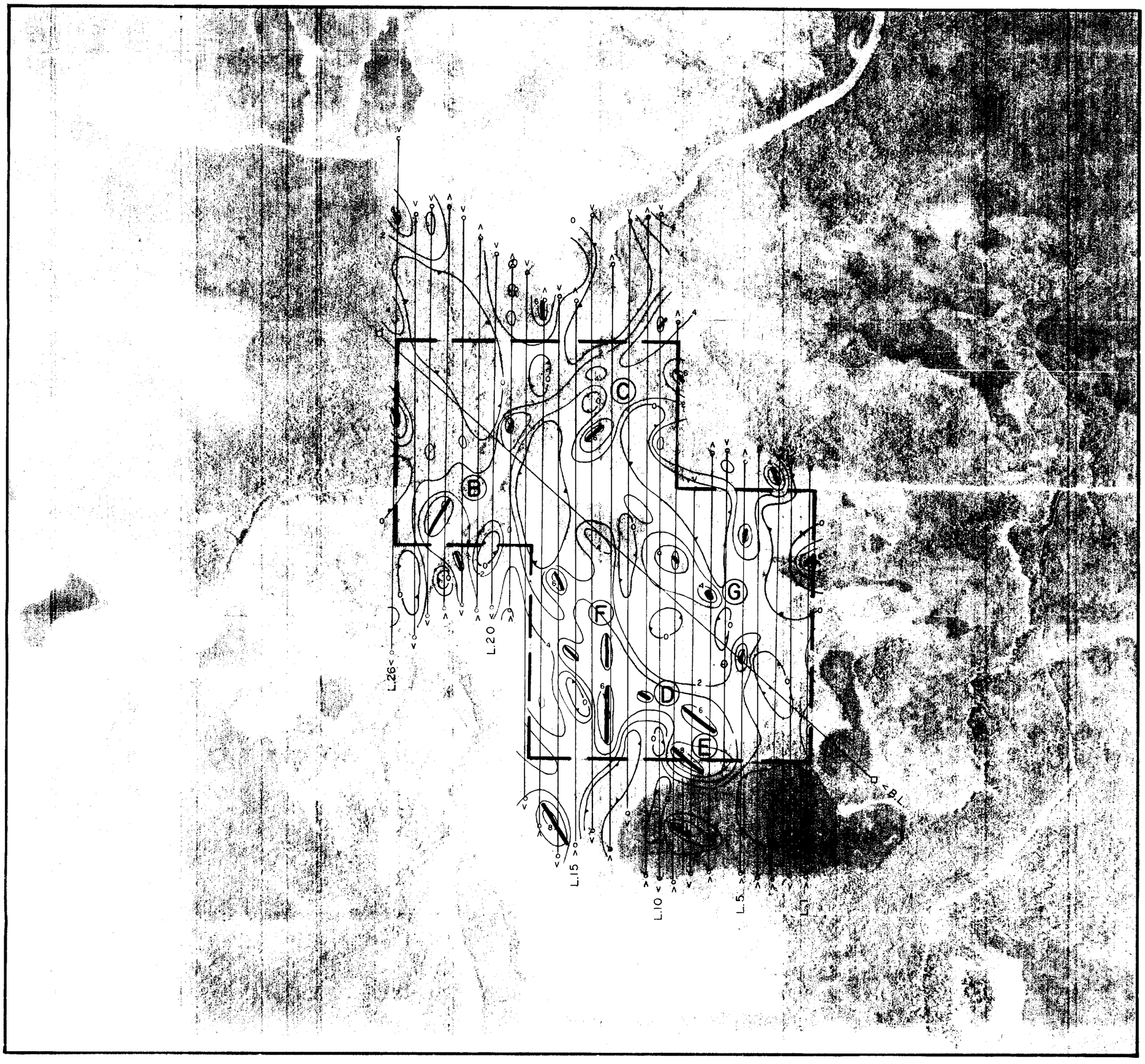
SCALE: 1" = 1/4 mile

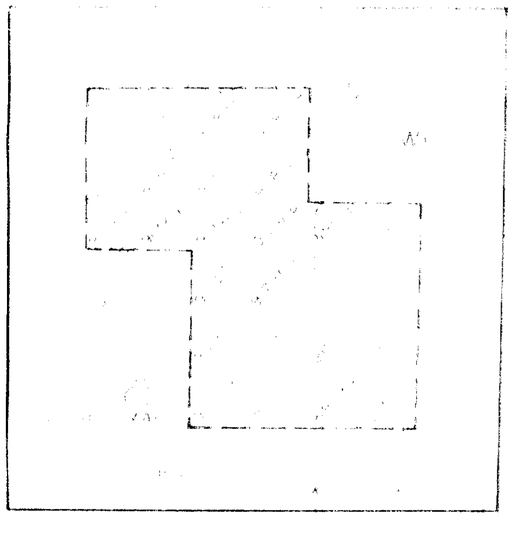
DATE: JAN. 1985

DRAWN BY: DS

MAP/DRAWING NO.: EM-A

42A14NE0007 2.10808 REAUME





LEGEND

TOTAL FIELD CONTOUR INTERVAL 2 %

CONDUCTOR AXIS

FIDUCIAL POINT

LINE DIRECTION

STATION USED: SEATTLE, WASHINGTON, U.S.A. (N.L.K. 24.8 kHz.)

LESS THAN ZERO

2 %

1 %

AIRBORNE V.L.F.-EM SURVEY

R.A. MACGREGOR

SHIELD PLATINUM RESOURCES
BLOCK "B"

H. Ferderber Geophysics Ltd

JAN. 1988

FM-1

42A14NE0007 2.10808 REAUME