SPANISH CREEK PROPERTIES

1995 GEOPHYSIC/ GEOLOGIC REPORT

Cariboo Mining Division

NTS 93 A\11

Lat. 52° 40' 00", 52° 31' 00"
Long. 121° 26' 00", 121° 11' 00"

Owner : Merle Matherly, Sheran Paterson,
Box 422,
150 Mile House, B.C.
V0K 2G0

Report by : Sheran Paterson
October 25, 1995

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1.0 COVER LETTER :

The Spanish Creek Properties constitute a 1,000 hectare Gold prospect located in the Cariboo-Quesnel Gold Belt, 110 kilometers northeast from the city of Williams Lake in north-central British Columbia. Two contiguous claims, Hobson 1 and Hobson 2, are road accessible, and almost entirely clear-cut from logging activities.

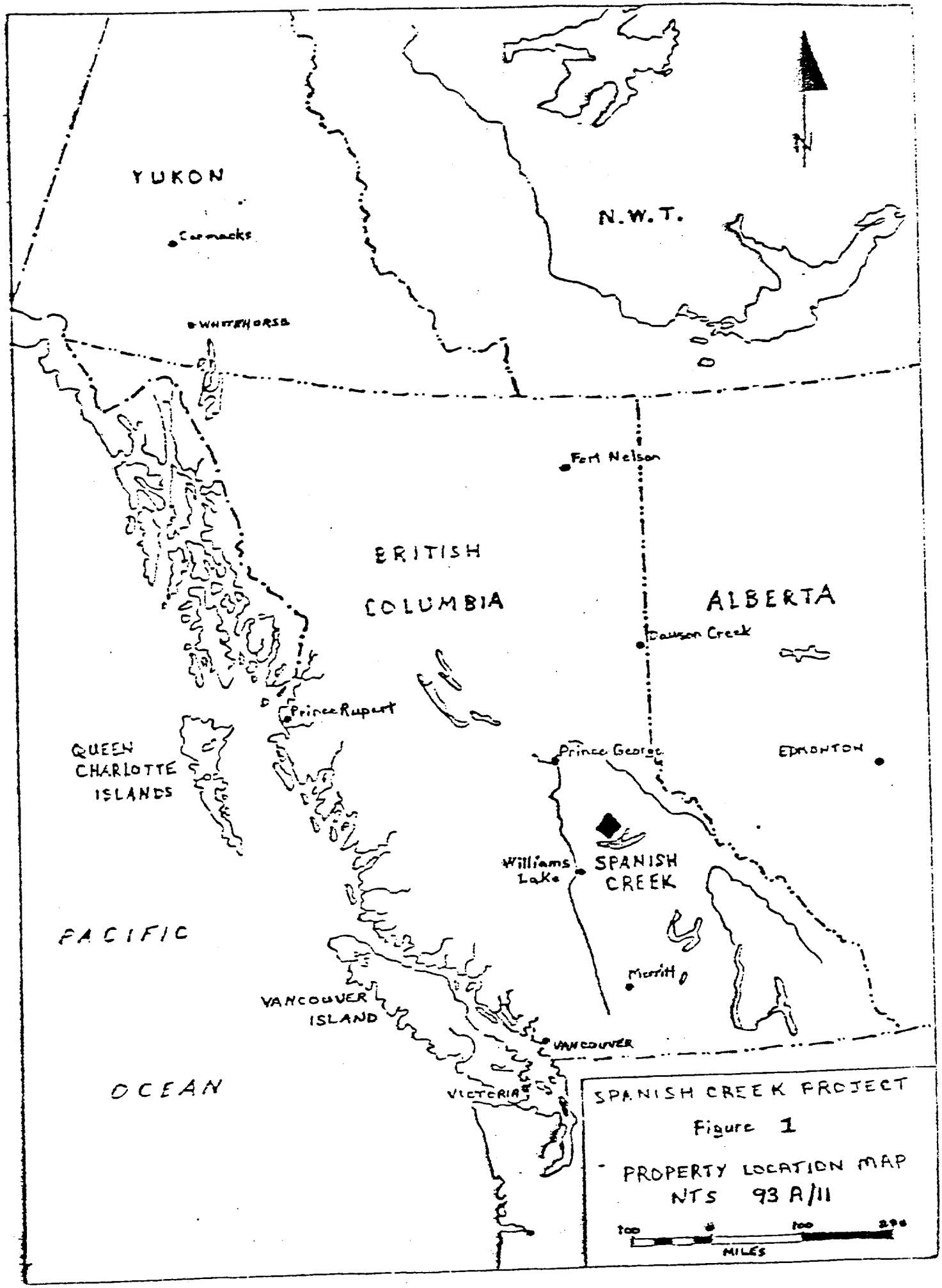
Geologic setting, formed by the Eureka Thrust Fault, defines a boundary between two major tectonic plates, Intermontane and Omenica belts. The project area lies within Quesnel Terrane (triassic, jurassic) pelitic and volcanic rock of the Intermontane belt.

Previous exploration work identified an extensive greenstone unit bearing anomalous gold, silver, copper, lead and zinc from preliminary rock and soil geochemistry. (ref. Assessment Reports: No. 17751, 17912-1988\ No. 19415-1989\ No. 21610-1991\ No. 22437-1992\ No. 23212-1993\ No. 23735-1994).

Geophysics, Self-Potential method, employed in 1995, targeted sulphide mineralization in underlying bedrock. Interest focused on Brew West, a large, potentially significant, **gold bearing shear** zone.

These claims host pyrite alteration targeting gold; chlorite alteration targeting gold/copper; sericite alteration targeting gold/silver/lead.

Outlined showings likely represent **stockwork**. Mineralization is associated with **sulphides** and quartz networks occur everywhere.

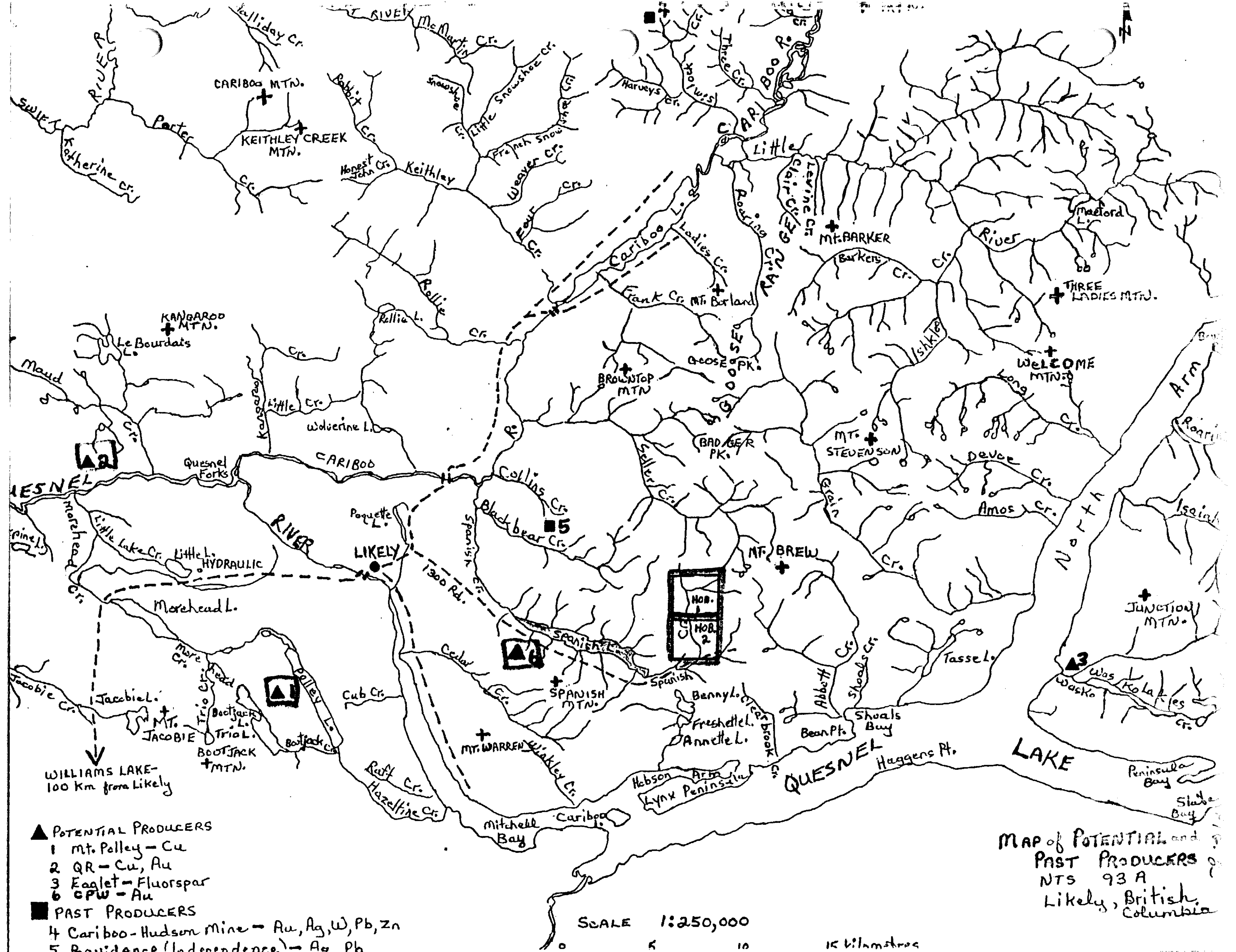

YUKON
Carmacks
WHITEHORSE
N.W.T.
Fort Nelson
BRITISH
COLUMBIA
ALBERTA
Dawson Creek
Prince Rupert
QUEEN
CHARLOTTE
ISLANDS
Prince George
EDMONTON
Williams
Lake
SPANISH
CREEK
PACIFIC
Merritt
VANCOUVER
ISLAND
VANCOUVER
OCEAN
VICTORIA
SPANISH CREEK PROJECT
Figure 1
PROPERTY LOCATION MAP
NTS 93 A/11
100
0
100
200
MILES

2.0 REGIONAL HISTORY :

The project area is situated near present-day, major economic deposits: **Mt. Polley, copper-gold;** located 20 kilometeres southwest\ **QR, gold;** located 30 kilometers northwest\ **Frasergold** (Eureka Peak), **gold;** 50 kilometers southeast. (Fig. 2)

Recent placer mining activity exists in the area; most known tributaries are worked to this day. Actively worked placer claims are located at the southern portion of the project properties.

This area boasts hardrock and placer mining history dating as early as mid 1800's. Some old mining sites existed; near the Spanish Creek Properties: **Cariboo-Hudson Mine** (Au, Ag, W, Pb, Zn)\ Providence, Independence (Ag, Pb)\ **Bullion Pit** (Au)**Cedar Creek** (Au)\ Golden Horn (Au)\ Kitchener (Au).


SWIFT RIVER
Katherine Cr.
Porter Cr.
Halliday Cr.
McMartin Cr.
CARIBOO MTN.
KEITHLEY CREEK MTN.
Rabbit Cr.
Snowshoe Cr.
Little Snowshoe Cr.
French Snowshoe Cr.
Weaver Cr.
Honest John Cr.
Keithley
Four Cr.
Harveys Cr.
Three Cr.
Cariboo R.
Little
Clair Cr.
Levine Cr.
Roaring
Cariboo L.
Ladies Cr.
Frank Cr.
Mt. Borland
Mt. BARKER
Barkers Cr.
Cr.
River
Macford L.
THREE LADIES MTN.
Rollie Cr.
Rollie L.
KANGAROO MTN.
Le Bourdais L.
Maud Cr.
Kangaroo
Little Cr.
Wolverine L.
BROWNTOP MTN
GOOSE PK.
GOOSE
RAIN GE
BADGER PK.
Ishkloe
Long Cr.
WELCOME MTN.
MT. STEVENSON
Devoe Cr.
Amos Cr.
North Arm
Roaring
Isaiah
QUESNEL
Quesnel Forks
CARIBOO
R.
Collins Cr.
Blackbear Cr.
5
Seller Cr.
Grain Cr.
Poquette L.
RIVER
LIKELY
Morehead Cr.
Little Lake Cr.
Little L.
HYDRAULIC
Morehead L.
1300 Rd.
Spanish Cr.
MT. BREW
HOB. 1
HOB. 2
JUNCTION MTN.
Spanish L.
6
Spanish
Cedar Cr.
SPANISH MTN.
Tassel L.
3
Wasko Lakes
Wasko
Cr.
More Cr.
Head
Polley L.
Jacobie Cr.
Jacobie L.
MT. JACOBIE
Trio Cr.
Bootjack L.
Trio L.
BOOTJACK MTN.
Bootjack Cr.
Cub Cr.
Benny L.
Freshette L.
Annette L.
Clearbrook Cr.
Abbott Cr.
Shoals Cr.
Shoals Bay
Bean Pt.
Haggens Pt.
QUESNEL LAKE
Peninsula Bay
Slate Bay
MT. WARREN
Winkley Cr.
Raft Cr.
Hazeltine Cr.
Hobson Arm
Lynx Peninsula
Mitchell Bay
Cariboo L.
WILLIAMS LAKE-
100 Km from Likely
N
POTENTIAL PRODUCERS
1 mt. Polley - Cu
2 QR - Cu, Au
3 Eaglet - Fluorspar
6 CPW - Au
PAST PRODUCERS
4 Cariboo-Hudson Mine - Au, Ag, W, Pb, Zn
5 Providence (Independence) - Ag, Pb
SCALE 1:250,000
0 5 10 15 kilometres
MAP of POTENTIAL and
PAST PRODUCERS
NTS 93 A
Likely, British Columbia

3.0 PROPERTY HISTORY :

Gold is the primary mineralization targeted on these properties; shears/faults are of particular interest. Strong emphasis is placed on contacts between rock units (et al. Geology of the Eureka Peak and Spanish Lake Map Areas, British Columbia\ By: Mary Ann Bloodgood\ paper 1990-3).

Preliminary study of Spanish Creek area, 1981 to 1983, led to discovery of one zone, #3 Landing. Rock specimens collected from vein quartz-with-galena in sericite schist, revealed notable silver, lead, and gold.

Further investigation, 1988 discovered mineralization in chlorite and sericite schists and phyllite rock units over various locations on the properties. Significant copper, silver, lead, and gold values were determined from analyzed rock specimens.

Extensive gold, silver, copper, lead and zinc in-soil anomalies were identified after completing over four square kilometers of geo-chemistry, 1989. The west-trending survey was conducted in the northern portion of Hobson 2 claim.

Mapping and rock sampling, 1991, outlined two zones in Hob.N. (212, 217). These mineralized clusters, quartz veins in chlorite schist carried significant gold, silver and copper values. Follow-up soils over one zone showed mineralization exceeding one hectare.

Mapping and rock sampling, 1992, outlined a significant pyrite-altered **shear** zone, Brew West. This zone is host to **gold** bearing quartz systems.

Mapping and rock sampling, 1993, outlined another gold bearing quartz system within Brew West shear zone. A second sizable alteration identified along the western flank of Upper Spanish Creek is believed to be a continuation of Brew West shear.

Reconnaisance geophysics, Self-Potential method, 1994, located sulphide mineralization in underlying bedrock.

Self-Potential geophysics, 1995, expanded Brew West zone. The acquired data appears to support the geology and all results from previous work.

The 1995 work program described in this report was conducted during the period between September 19, 1995 to October 20, 1995.

4.0 LOCATION and ACCESS :

Spanish Creek Properties, located 110 kilometers northeast from Williams Lake, are in north-central British Columbia. (Fig. 1)

Access is provided by paved road to the community of Likely from Williams Lake, and remaining 20 kilometers by the 1300, Spanish Lake, forestry road.

These properties are cut by two drainage systems that flow into Spanish Lake and carry flour gold. The claims lie on east and west flanks of Upper Spanish Creek between Mount Brew and Blackbear Mountain. This area is moderate relief and almost entirely logged providing excellent access to and through the properties by old and new roads.

5.0 PHYSIOGRAPHY & CLIMATE :

The properties are situated northwest from the north shore of Quesnel Lake. This region is fairly mountainous terrain of moderate relief with elevations averaging 1200 to 1600 metres; an exception is Mount Brew whose height reaches up to 2000 metres.

This environment offers many water courses, lakes, and is well forested with fir, pine, spruce, cedar and poplar trees, and foliated with broadleaf vegetation. These properties are almost entirely cut from logging activities.

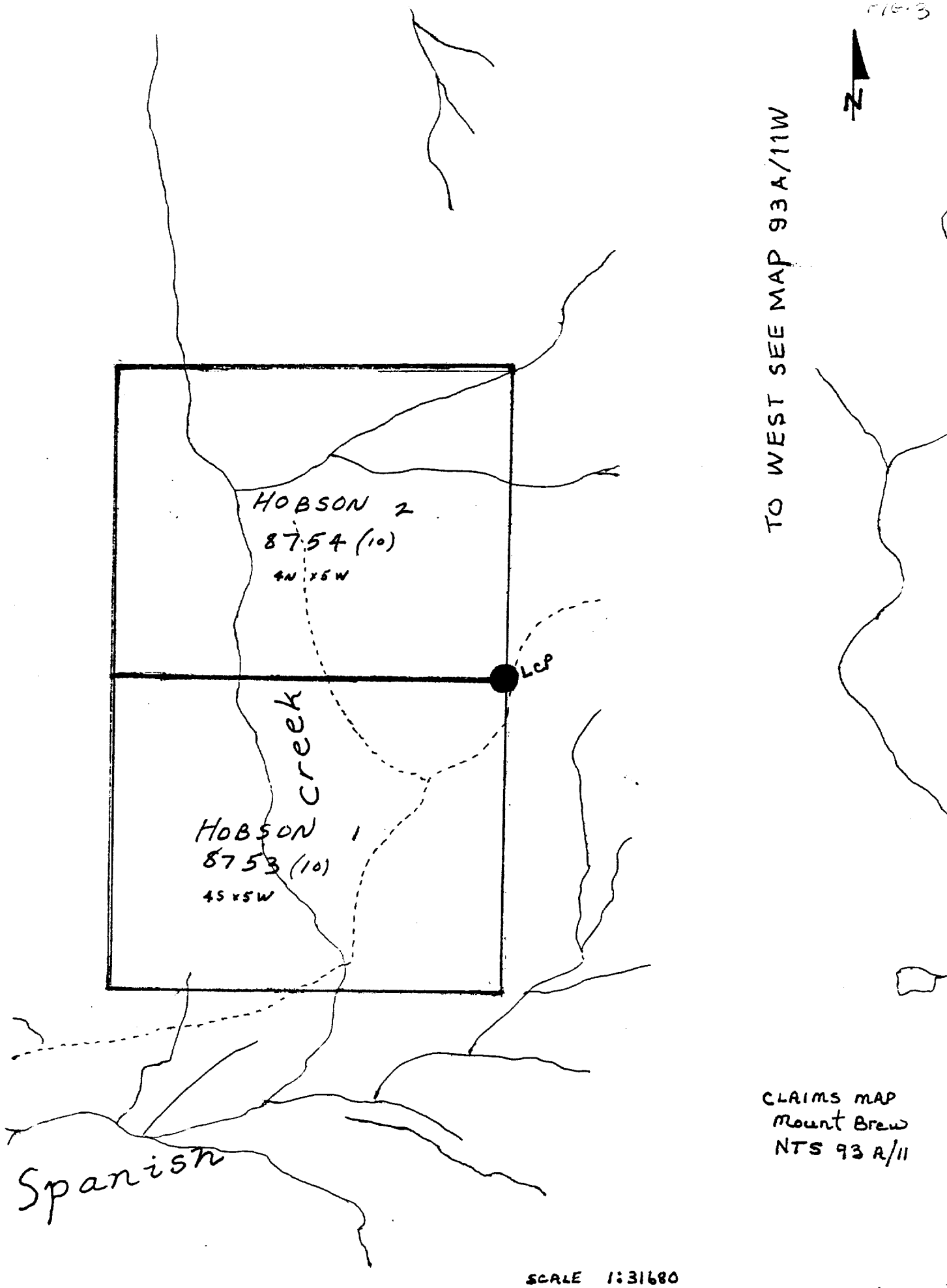
Reasonable weather conditions for exploration work may be expected from end of May to end of October. Winter snow pack can occasionally reach three to five meters.

6.0 CLAIM STATUS :

The prospect presently consists of two contiguous claims, totalling 40 units, 1000 square hectares. (Fig. 3)

Table 1 - Mineral Claim Schedule

Claim Name	Units	Record No.	Yr.Staked
Hobson 1	20	8753	Oct.28/87.
Hobson 2	20	8754	Oct.28/87.



CLAIMS MAP
Mount Brew
NTS 93 A/11

7.0 REGIONAL GEOLOGY :

The Spanish Creek project area lies within Quesnel Terrane (triassic, jurassic) pelitic and volcanic rock of the Intermontane belt, where the Eureka Thrust Fault defines a boundary between Omenica, Barkerville Terrane, and Intermontane tectonic belts. Mineralization appears to be associated with sulphides and occurs massive, disseminated and in quartz veins. (Fig. 4)

8.0 PROPERTY GEOLOGY :

Rock units identified : (Fig. 5)

- chlorite schist : exceeds 4 square kilometers\ contacts phyllite and sericite schists\ copper-rich, much carbonated, quartz veins & lenses, epidote sweats\ a very large pyrite alteration halo occurs in this unit

- sericite schist : contacts chlorite schist which is defined by dolomitic mass with mariposite, and serpentinite\ commonly contains quartz veins and lenses\ believed to be parent rock of pyrite altered halo; occurs along east and west flanks of Upper Spanish Creek

- black phyllite : triassic, Cariboo series\ four units are identified\ contacts chlorite schist & green volcanic breccia\ commonly contains quartz veins and lenses

- volcanic breccia : trends northwest & occurs in west portion of properties\ green, marine origin

- dolomitic mass : with mariposite\ occurs at contacts of major rock units

- serpentinite : greasy, flaky, pale green to white\ occurs at contacts between chlorite and sericite schists

- ultramafics : green, greasy, with carbonate phenocrysts\ occurs at contact of chlorite and sericite schists which sandwich mariposite\ often has large pyrite cubes\ malachite occurs in this rock (south end, GB road)

- propylite : altered greenstone-like andesitic rock resulting from hydrothermal alteration\ spotty exposures\ epidote-rich\ malachite stain occurs in this rock\ sometimes has metal disseminations

- feldspar-quartz porphry : occurs as dykes in pyrite-altered sericite facies, West Spanish Creek along GB road; Gary B. zone

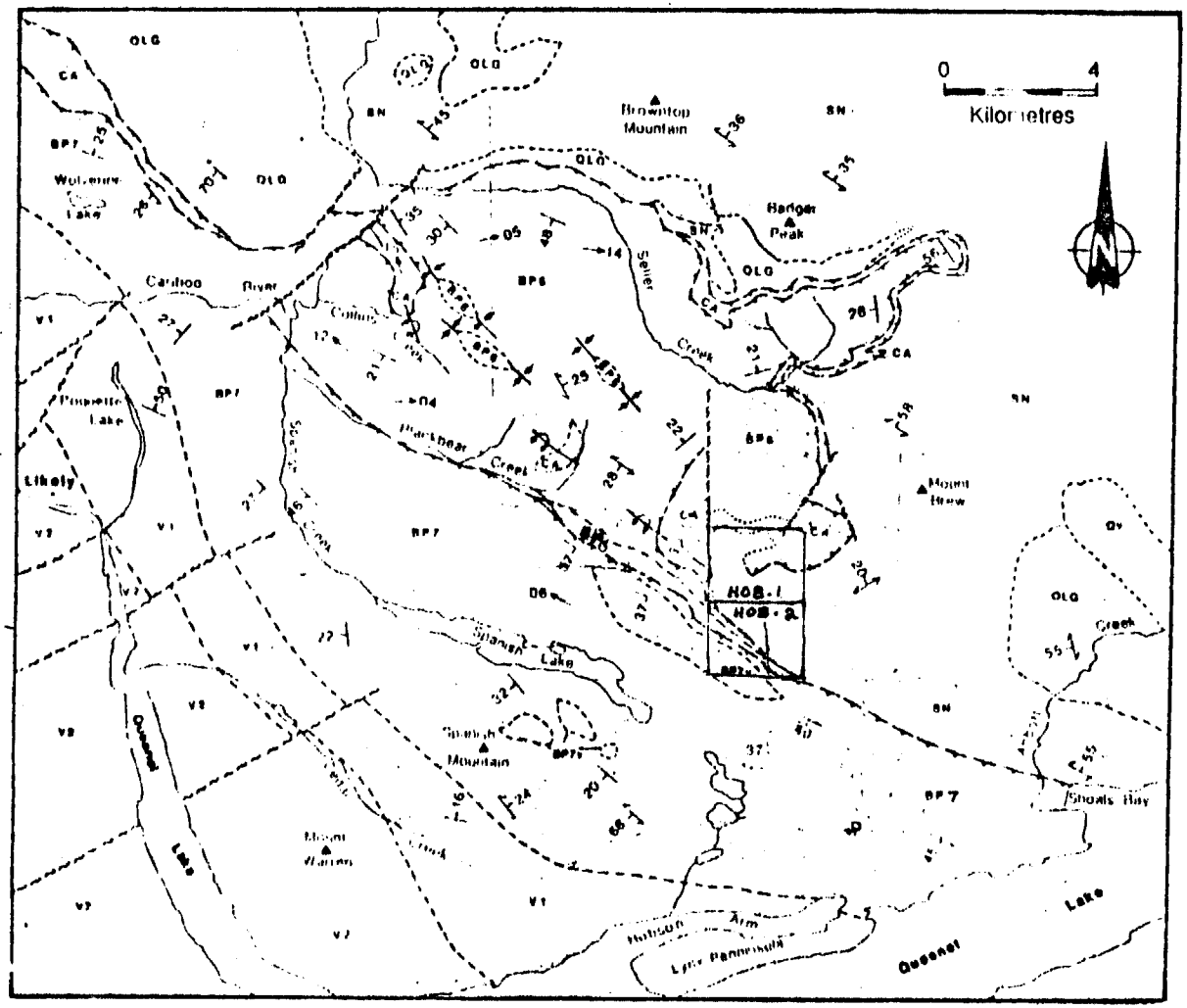


Figure 1-12-2. Generalized geologic map of the Spanish Lake area. (1961)

LEGEND

QUATERNARY — Qv — Quaternary volcanics

QUESNEL TERRANE

Middle Triassic to Early Jurassic

MESOZOIC
- V2 — Volcanic flows and volcanic breccia
- V1 — Volcanic wacke
- BP7 — Banded slates and tuffs with minor limestone (V = volcanics)
- BP6 — Graphitic phyllites with interbedded quartz sandstone
- BP5 — Silty slates and phyllite

Mississippian to early Permian

PALEOZOIC — CA — Crooked Amphibolite

BARKERVILLE TERRANE

Late Devonian to Early Mississippian

PALEOZOIC — QLG — Quesnel Lake gneiss

Hadrynian and Younger

PROTEROZOIC–EARLY PALEOZOIC — SN — Snowshoe Group

S_0 (bedding)

S_1 (Regional foliation)

L_1

L_2

Additional data compiled from Rees (1987), Struik (1983) and Bailey (this volume)

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* Hobson 142 claims

9.0 MINERALIZED ZONE Descriptions :

Brew West

Brew West is located in the southeast corner of Hobson 2 claim, and is accessed by travelling 2 kilometers along Shiney Mineral road and 1 kilometer east along BW road.

This area hosts a large pyrite-altered sericite facies, a sizable dolomite body and chlorite schist; with clusters of gold-bearing quartz veins occuring along or near the contacts.

- Upper Mother zone : occurs in south-central corner of Brew West\ host to two known significant gold-bearing quartz veins at contact between pyrite alteration and chlorite schist

- Lower Mother : located at southeast corner of Brew West\ hosts the continuation of 'Mother' gold-bearing quartz vein\ occurs along contact between chlorite and sericite schists

Old Mariposite

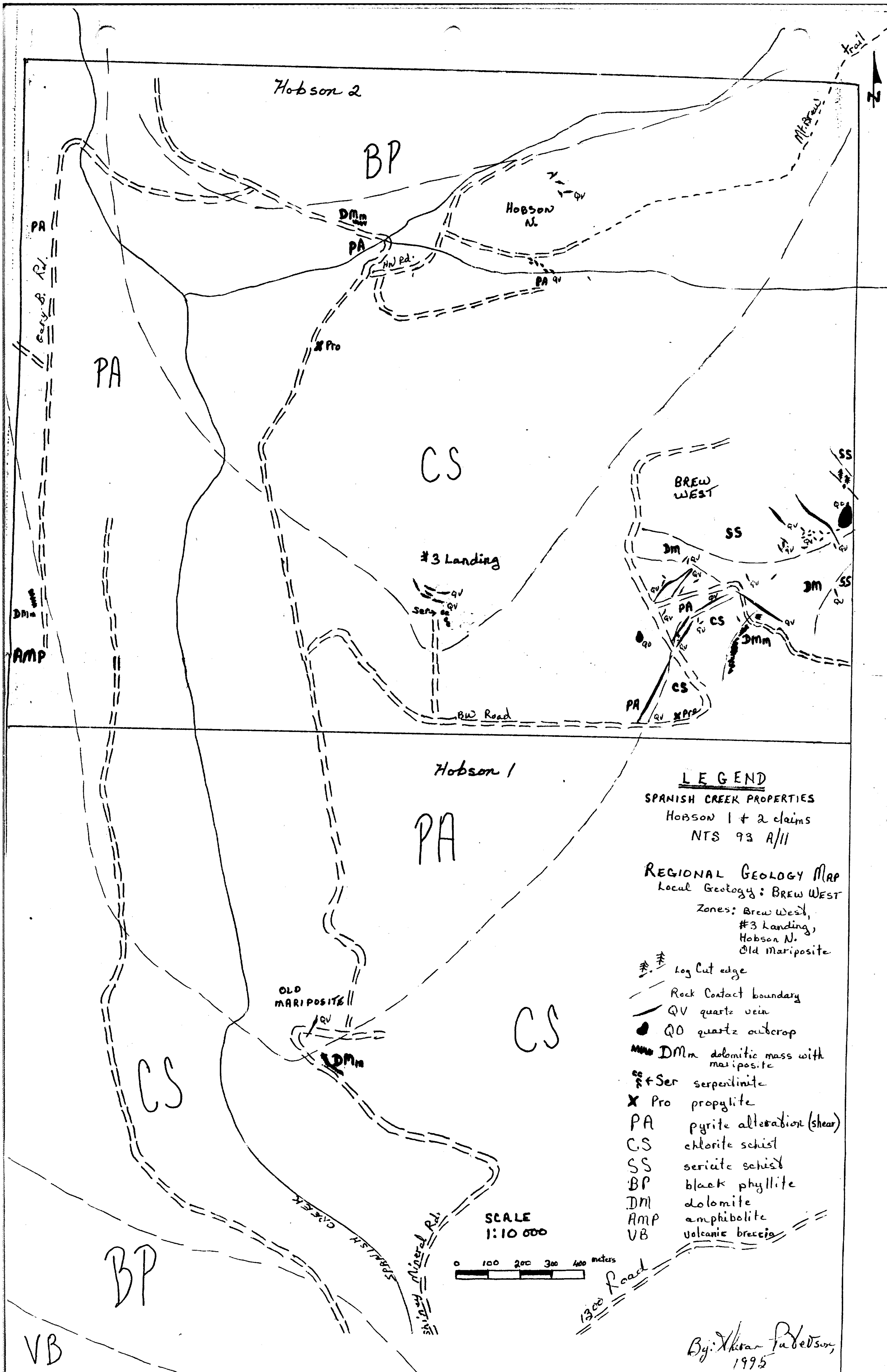
Old Mariposite zone is located about 1 kilometer, slightly northwest along Shiney Mineral road (sharp switchback), from the camp.

This area is a contact between pyrite-altered sericite schist and chlorite schist. Quartz veining bearing some significant values occur near the contact.

UJ

UJ zone is located about 2 kilometres north along Shiney Mineral road, near junction of the eastern fork of Upper Spanish Creek.

This zone is a contact between chlorite schist and black phyllite rock units.



Hobson 2
BP
DMm
PA
PA
HN Rd.
PA QV
Hobson N.
QV
trail
Mt. Brew
Gary B. Rd.
PA
X Pro
CS
#3 Landing
QV
QV
Serp
DMm
AMP
BREW WEST
SS
SS
SS
QO
QV
DM
DM
PA
CS
QV
QO
DMm
CS
PA
QV
X Pro
BW Road
Hobson 1
PA
OLD MARIPOSITE
QV
DMm
CS
CS
BP
VB
SPANISH CREEK
Shiney Mineral Rd.
1300 Road
LEGEND
SPANISH CREEK PROPERTIES
HOBSON 1 + 2 claims
NTS 93 A/11
REGIONAL GEOLOGY MAP
Local Geology: BREW WEST
Zones: Brew West, #3 Landing, Hobson N. Old Mariposite
Log Cut edge
Rock Contact boundary
QV quartz vein
QO quartz outcrop
DMm dolomitic mass with mariposite
Ser serpentinite
Pro propylite
PA pyrite alteration (shear)
CS chlorite schist
SS sericite schist
BP black phyllite
DM dolomite
AMP amphibolite
VB volcanic breccia
SCALE
1:10 000
0 100 200 300 400 meters
By: Kiran Paterson, 1995
N

10.0 GEOPHYSICS : Self-Potential

10.1 General Approach :

Two problems are evident when applying a Self-Potential survey within this environment. The first refers to low response expected from shear zone mineralization. This may read no more than 20 millivolts, which is in range of normal background variations, and therefore not readily seen as anomalous. In the surveys, such low amplitude anomalies may be an expression of mineralization if they occur along the projected strike of known shear zones and could be repeated along adjacent lines. This would warrant useful targets for further exploration. A second problem involves phyllites which cover most of the surrounding area. These clays have been known to mask even the strongest Self-Potential anomalies, and may be expected to hide weaker anomalies. Accordingly, surveys were conducted where local phyllites are not known in the immediate area; the exception is a small reconnaisance taken at 'UJ' zone.

10.2 Work Program : (Fig. 6)

Two persons applied 10 days conducting geophysic, Self-Potential surveys covering more than 32 square hectares. Geophysics applied over' **B**rew **W**est' expanded this zone. A small survey conducted over' Upper Mother' identified sulphide spikes likely responsible for mineralization in the quartz veins. Another small survey conducted over' Old Mariposite' zone located additional sulphide mineralization in the shear zone. Reconnaisance lines over 'Lower Mother'and 'UJ' zones recognized presence of sulphide mineralization.

Geology mapped over Brew West, covering 36 square hectares (4200 line meters), expanded the data base of this zone. (App. 1)

Geophysic surveys, conducted over 4665 line meters, resulted in 829 readings. Brew West followed a north/south grid. Upper Mother and Old Mariposite zones followed a star pattern grid. Reconnaisance lines were applied to Lower Mother and UJ. (Fig. 6)

Brew West survey started at L39+00E, 8+00S. Self-Potential readings were recorded at 10 meter intervals along seven 500 meter lines to determine further presence of concentrated sulphides. Upper Mother follow-up readings were recorded at 2 meter intervals along nine 50 meter lines in star pattern to identify concentrated sulphide spikes. Old Mariposite survey readings were recorded at 2 meter intervals along six 50 meter lines in star pattern to locate more concentrated sulphides. Lower Mother and UJ reconnaisance lines were applied to support consistency of sulphide mineralization. (Table 2)

Geophysic numerical readings & associated profiles: Table 2.
Geology - Brew West zone: Appendix 1

10.3 Equipment & Field Procedures :

Self-Potential equipment consisted of two unglazed ceramic, porous bottom pots, three inch diameter; a reel of No. 16 stranded copper wire, 300 meters length; and a Mastercraft Digital Multimeter with a 10 megaohm impedance. The pots were filled with saturated copper sulphate and additional solid crystals to maintain saturation. Rubber plugs were used to stabilize copper electrodes and form a leak-proof top. The copper wire was mounted on a large reel fitted with a commutator.

Field procedures set by S.V. Burr were generally employed throughout the surveys and methods used by Charles E. Corry were also considered. A base station was first established over favourable ground believed to be background; per traverse. Pot difference was established after both pots were placed on bare ground, about one inch apart, a reading taken, then pot connections were reversed and a second reading was recorded. Pot difference equaled an average of the two readings; differences of a few millivolts were generally ignored. Large differences indicate a problem with the pots and must be corrected before continuing the survey. Pot difference was recorded at each new base station. Next, connections were made between pots, reel and multimeter so that the forward pot would be positive and the base, or stationary pot, would be negative. The pots were clearly marked, and following this procedure: the forward pot was moved out along traverses and stations were marked at 2 or 10 meter intervals. Care was applied at each test site to dig below humus and make good damp ground contact. Control was by compass and pace, and stations were marked by ribbon.

FIG. 6

N

HOBSON 2

Mt. Brew Trail

UJ zone

Line K

Line L

30°

Hob. N

1674

OK Rd.

GB Rd.

#3 Landing

BW Rd.

1524

BREW WEST survey area

(BL) 8+00S
9+00S
10+00S
11+00S
12+00S
13+00S
14+00S

39+00E
40+00E
41+00E
42+00E
43+00E
44+00E
45+00E

Line 3

280° 320° 360° 40° 80° 120° 160° 200° 240° 280°

start

MOTHER zone

HOBSON 1

OLD MARIPOSITE zone

SPANISH CREEK

1372

1219

1067

LGB Rd.

Shirley Mineral Rd.

Camp

BB Rd.

1300 Rd.

LEGEND

SPANISH CREEK PROPERTIES

HOBSON 1+2 claims
NTS 93A/11

GEOLOGIC + SELF-POTENTIAL (geophysical) Survey location Map

GRIDS:
- Brew West
- Mother
- Old Mariposite

TRAVERSES:
- UJ (Lines K, L)
- Lower Mother (Line J)

Log Cut

elevation: measured in meters

SCALE 1:1,250

0 200 400 600 800 metres

By: Alistair Pedersen, 1995

11.0 RESULTS & INTERPRETATION : (Table 2, App. 1-4)

Line locations and grids shown on Fig.6. Self-Potential profiles and corresponding readings referenced in Table 2. Contoured results shown on Appendices 2-4. Spanish Creek Regional Geology found on Fig. 5 and Brew West Local Geology referenced on Appendix 1.

The geophysic survey over Brew West indicates some interesting results. Contoured data, Appendices 2 & 3, aid in distinguishing different rock units when referenced to the geology recorded on Appendix 1. Positive SP readings probably represent chlorite schist; negative readings indicate the sericite schist of this system. Quartz veins appear to follow linear paths along or near contacts. Contoured anomalies, Appendices 2 & 3 are believed to demonstate concentrated sulphide spikes or disseminations.

The Self-Potential survey over Old Mariposite zone reveals significant data. A notable negative dip in readings: ratio +10 to -105, indicates potential for major concentrations of sulphides which are believed to be **gold-bearing**.

Targeted zones continue to provide encouraging results and remain priority for further exploration.

12.0 CONCLUSIONS :

1. Spanish Creek Properties are almost entirely underlain by middle, triassic to early jurassic, sedimentary & volcanic rocks of Quesnel Terrane.
2. Alteration & mineralization are likely associated with fault structures and rock contacts.
3. Extensive chlorite-rich rocks trend northwest across Hobson 2 claim. This claim hosts anomalous **gold**, silver and copper values.
4. Geochemistry demonstrated significant **gold** values in a large band of pyrite altered sericite, Brew West.
5. Geophysics, Self-Potential, targeted and located disseminated sulphides over Brew West zone.
6. Geophysics, Self-Potential, targeted and located a larger mass of concentrated sulphides over Old Mariposite zone.
7. **Gold** is believed to be associated with sulphides.
8. The present targeted zones are considered adequate to target more exploration.

13.0 RECOMMENDATIONS :

Further geophysical testing, Self-Potential and/or EM methods; geology, machine trenching & geochemistry is recommended over Brew West. Further geophysical testing, Self-Potential and/or EM, geology and geochemistry is required over Old Mariposite zone.

14.0 STATEMENT of EXPENDITURES :

The following table outlines 1995 expenditures incurred on the claims.

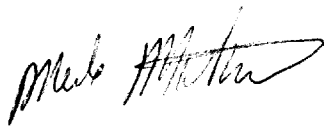
Table 2 - Statement of Expenditures

Salaries (geophysics: Self-Potential\ Geology)		
M. Matherly 10 days @ $200/day	$ 2,000	
S. Paterson 10 days @ $200/day	2,000	
		$4,000
Camp costs		
10 days @ $40/day x 2 persons	$ 800	
		$ 800
Vehicle costs		
10 days @ $50/day	$ 500	
		$ 500
Equipment & Supply costs		
Self-Potential unit; ribbon, markers, notebooks, topo thread, stationary supplies	$ 1,000	
		$1,000
Report Preparation		
Sheran Paterson, 2 days @ $200/day	$ 400	
		$ 400
TOTAL		**$6,700**

15.0 STATEMENT OF QUALIFICATIONS :

We, Merle Matherly and Sheran Paterson, 150 Mile House, B.C. do certify that:

1. We are prospectors and maintain valid free miner's permits.
2. We attended a Prospector's Course, Cariboo College, 1979 (instructor: Gary Bysouth [Sr. Geologist], Gibralter Mines Ltd.).
3. We completed the Advanced Mineral Exploration Course for Prospectors: Ministry of Energy, Mines & Petroleum Resources, B.C.
4. From 1978 to the present, we have been actively engaged in field exploration.
5. We personally executed and supervised the work program as described, and compiled and analyzed resulting data.



Merle Matherly

Sheran Paterson

HOBSON 1 & HOBSON 2 claims
Regional SELF-POTENTIAL Geophysical survey Readings

Legend

P.D. pot difference
TI tie in station
BS base shift
MV millivolts

BREW WEST zone
Lines: 39+00E - 45+00E (8+00S - 13+00S)
8+00S (39+00E - 40+00E, 40+00E -45+00E)

Readings at 10 meter intervals

L 45+00E / 8+00S base station
P.D. -3+1 /2 = 0

Station	MV		BS					
8+10S	+ 1							
20S	+ 6							
30S	+ 4							
40S	- 13							
50S	+ 5							
60S	- 18							
70S	- 1							
80S	- 5							
90S	- 3							
9+00S	+ 2	TI						
10S	+ 7		+	2	=	+	9	
20S	+ 5		+	2	=	+	7	
30S	- 3		+	2	=	-	1	
40S	+ 4		+	2	=	+	6	
50S	+ 5		+	2	=	+	7	
60S	+ 1		+	2	=	+	3	
70S	+ 4		+	2	=	+	6	
80S	- 2		+	2	=		0	
90S	- 12		+	2	=	-	10	
10+00S	- 3		+	2	=	-	1	TI
10S	- 6		+	- 1	=	-	7	
20S	- 1		+	- 1	=	-	2	
30S	- 19		+	- 1	=	-	20	
40S	+ 5		+	- 1	=	+	4	
50S	- 8		+	- 1	=	-	9	
60S	- 8		+	- 1	=	-	9	
70S	- 4		+	- 1	=	-	5	
80S	+ 3		+	- 1	=	+	2	
90S	+ 2		+	- 1	=	+	1	
11+00S	- 15		+	- 1	=	-	16	TI
10S	- 10		+	-16	=	-	26	
20S	- 5		+	-16	=	-	21	
30S	- 3		+	-16	=	-	19	
40S	- 2		+	-16	=	-	18	
50S	+ 1		+	-16	=	-	15	

L 44+00E / 8+00S base station
P.D. 5-4 /2 = .5

Station	MV		BS					
8+10S	-	14						
20S	-	3						
30S	-	10						
40S	-	10						
50S	-	19						
60S	+	4						
70S	-	3						
80S	-	8						
90S	-	1						
9+00S	+	1	TI					
10S	-	18	+	1	=	-	17	
20S	-	21	+	1	=	-	20	
30S	-	17	+	1	=	-	16	
40S	-	28	+	1	=	-	27	
50S	-	12	+	1	=	-	11	
60S	-	2	+	1	=	-	1	
70S	-	11	+	1	=	-	10	
80S	-	11	+	1	=	-	10	
90S	-	22	+	1	=	-	21	
10+00S	-	5	+	1	=	-	4	TI
10S	-	7	+	- 4	=	-	11	
20S	-	17	+	- 4	=	-	21	
30S	-	10	+	- 4	=	-	14	
40S	-	3	+	- 4	=	-	7	
50S		0	+	- 4	=		0	
60S	-	15	+	- 4	=	-	19	
70S	-	22	+	- 4	=	-	26	
80S	-	26	+	- 4	=	-	30	
90S	-	31	+	- 4	=	-	35	
11+00S	-	24	+	- 4	=	-	28	TI
10S	-	4	+	-28	=	-	32	
20S	-	10	+	-28	=	-	38	
30S	-	10	+	-28	=	-	38	
40S	-	13	+	-28	=	-	41	
50S	+	3	+	-28	=	-	25	
60S	+	6	+	-28	=	-	22	
70S	+	14	+	-28	=	-	14	
80S	+	6	+	-28	=	-	22	
90S	-	6	+	-28	=	-	34	
12+00S	+	6	+	-28	=	-	22	TI
10S	+	30	+	-22	=	+	8	
20S	-	10	+	-22	=	-	32	
30S	-	6	+	-22	=	-	28	
40S	-	32	+	-22	=	-	54	
50S	-	17	+	-22	=	-	39	
60S	-	10	+	-22	=	-	32	
70S	-	7	+	-22	=	-	29	

L 43+00E / 8+00S base station
P.D. -9+9 /2 = 0

Station	MV		BS					
8+10S	-	17						
20S	-	8						
30S	-	15						
40S	-	4						
50S		0						
60S	-	4						
70S	-	8						
80S	-	7						
90S	-	7						
9+00S	-	16	TI					
10S	-	14	+	-16	=	-	30	
20S	-	22	+	-16	=	-	38	
30S	-	3	+	-16	=	-	19	
40S	-	3	+	-16	=	-	19	
50S	-	12	+	-16	=	-	28	
60S	-	1	+	-16	=	-	17	
70S	-	6	+	-16	=	-	22	
80S	-	8	+	-16	=	-	24	
90S	-	12	+	-16	=	-	28	
10+00S	-	6	+	-16	=	-	22	TI
10S	+	2	+	-22	=	-	20	
20S	+	14	+	-22	=	-	8	
30S	+	15	+	-22	=	-	7	
40S	+	13	+	-22	=	-	9	
50S	+	16	+	-22	=	-	6	
60S	+	1	+	-22	=	-	21	
70S	+	3	+	-22	=	-	19	
80S	+	13	+	-22	=	-	9	
90S	+	2	+	-22	=	-	20	
11+00S	-	9	+	-22	=	-	31	TI
10S	+	8	+	-31	=	-	23	
20S	-	2	+	-31	=	-	33	
30S		0	+	-31	=		0	
40S	+	23	+	-31	=	-	8	
50S	-	7	+	-31	=	-	38	
60S	-	7	+	-31	=	-	38	
70S	-	5	+	-31	=	-	36	
80S	+	1	+	-31	=	-	30	
90S	+	12	+	-31	=	-	19	
12+00S	+	19	+	-31	=	-	12	TI
10S	+	1	+	-12	=	-	11	
20S		0	+	-12	=		0	
30S	-	8	+	-12	=	-	20	
40S	-	7	+	-12	=	-	19	
50S	-	4	+	-12	=	-	16	
60S	+	2	+	-12	=	-	10	
70S	+	1	+	-12	=	-	11	
80S	-	9	+	-12	=	-	21	
90S	-	11	+	-12	=	-	23	
13+00S	+	4	+	-12	=	-	8	

L 42+00E / 8+00S base station
P.D. -5+6 /2 = .5

Station	MV	BS							
8+10S	+ 18								
20S	0								
30S	- 18								
40S	- 5								
50S	+ 4								
60S	- 16								
70S	- 17								
80S	- 4								
90S	+ 4								
9+00S	- 23	TI							
10S	+ 5		+	-23	=	-	18		
20S	+ 23		+	-23	=		0		
30S	+ 20		+	-23	=	-	3		
40S	+ 12		+	-23	=	-	11		
50S	+ 9		+	-23	=	-	14		
60S	+ 21		+	-23	=	-	2		
70S	+ 32		+	-23	=	+	9		
80S	+ 29		+	-23	=	+	6		
90S	+ 25		+	-23	=	+	2		
10+00S	+ 26		+	-23	=	+	3	TI	
10S	- 11		+	3	=	-	8		
20S	- 13		+	3	=	-	10		
30S	- 12		+	3	=	-	9		
40S	- 12		+	3	=	-	9		
50S	- 9		+	3	=	-	6		
60S	- 9		+	3	=	-	6		
70S	- 15		+	3	=	-	12		
80S	- 8		+	3	=	-	5		
90S	- 4		+	3	=	-	1		
11+00S	- 4		+	3	=	-	1	TI	
10S	- 1		+	- 1	=	-	2		
20S	+ 7		+	- 1	=	+	6		
30S	- 12		+	- 1	=	-	13		
40S	+ 4		+	- 1	=	+	3		
50S	- 9		+	- 1	=	-	10		
60S	+ 10		+	- 1	=	+	9		
70S	+ 18		+	- 1	=	+	17		
80S	+ 9		+	- 1	=	+	8		
90S	+ 4		+	- 1	=	+	3		
12+00S	+ 9		+	- 1	=	+	8	TI	
10S	- 10		+	8	=	-	2		
20S	+ 2		+	8	=	+	10		
30S	- 1		+	8	=	+	7		
40S	- 1		+	8	=	+	7		
50S	+ 2		+	8	=	+	10		
60S	- 8		+	8	=		0		
70S	- 9		+	8	=	-	1		
80S	+ 8		+	8	=	+	16		
90S	+ 7		+	8	=	+	15		
13+00S	+ 6		+	8	=	+	14		

L 41+00E / 8+00S base station
P.D. -2+1 /2 = -.5

Station	MV		BS					
8+10S	- 14							
20S	- 14							
30S	- 12							
40S	- 24							
50S	- 9							
60S	+ 9							
70S	+ 9							
80S	+ 12							
90S	+ 1							
9+00S	+ 4	TI						
10S	+ 10		+	4	=	+	14	
20S	+ 4		+	4	=	+	8	
30S	- 5		+	4	=	-	1	
40S	- 10		+	4	=	-	6	
50S	- 9		+	4	=	-	5	
60S	- 2		+	4	=	+	2	
70S	- 12		+	4	=	-	8	
80S	- 4		+	4	=		0	
90S	- 13		+	4	=	-	9	
10+00S	- 1		+	4	=	+	3	TI
10S	- 7		+	3	=	-	4	
20S	+ 3		+	3	=	+	6	
30S	- 1		+	3	=	+	2	
40S	+ 60		+	3	=	+	63	
50S	+ 27		+	3	=	+	30	
60S	+ 10		+	3	=	+	13	
70S	+ 21		+	3	=	+	24	
80S	+ 17		+	3	=	+	20	
90S	+ 7		+	3	=	+	10	
11+00S	+ 20		+	3	=	+	23	TI
10S	- 20		+	23	=	+	3	
20S	0		+	23	=		23	
30S	- 4		+	23	=	+	19	
40S	- 13		+	23	=	+	10	
50S	- 10		+	23	=	+	13	
60S	+ 19		+	23	=	+	42	
70S	+ 2		+	23	=	+	25	
80S	- 25		+	23	=	-	2	
90S	- 10		+	23	=	+	13	
12+00S	0		+	23	=	+	23	TI
10S	+ 15		+	23	=	+	38	
20S	0		+	23	=	+	23	
30S	- 15		+	23	=	+	8	
40S	+ 4		+	23	=	+	27	
50S	+ 3		+	23	=	+	26	
60S	+ 1		+	23	=	+	24	
70S	- 5		+	23	=	+	18	
80S	+ 10		+	23	=	+	33	
90S	+ 4		+	23	=	+	27	
13+00S	- 15		+	23	=	+	8	

L 40+00E / 8+00S base station
P.D. -4+2 /2 = 0

Station	MV		BS				
8+10S	+ 1						
20S	+ 1						
30S	- 12						
40S	- 9						
50S	+ 11						
60S	- 20						
70S	- 34						
80S	- 40						
90S	- 18						
9+00S	- 26	TI					
10S	+ 14		+ -26	=	- 12		
20S	+ 9		+ -26	=	- 17		
30S	+ 9		+ -26	=	- 17		
40S	- 17		+ -26	=	- 43		
50S	- 5		+ -26	=	- 31		
60S	- 27		+ -26	=	- 53		
70S	- 21		+ -26	=	- 47		
80S	- 18		+ -26	=	- 44		
90S	0		+ -26	=	- 26		
10+00S	- 1		+ -26	=	- 27	TI	
10S	0		+ -27	=	- 27		
20S	0		+ -27	=	- 27		
30S	+ 12		+ -27	=	- 15		
40S	+ 14		+ -27	=	- 13		
50S	+ 16		+ -27	=	- 11		
60S	+ 2		+ -27	=	- 25		
70S	+ 9		+ -27	=	- 18		
80S	+ 35		+ -27	=	+ 8		
90S	+ 29		+ -27	=	+ 2		
11+00S	+ 22		+ -27	=	- 5	TI	
10S	+ 33		+ - 5	=	+ 28		
20S	+ 14		+ - 5	=	+ 9		
30S	+ 26		+ - 5	=	+ 21		
40S	+ 18		+ - 5	=	+ 13		
50S	+ 10		+ - 5	=	+ 5		
60S	+ 28		+ - 5	=	+ 23		
70S	+ 21		+ - 5	=	+ 16		
80S	+ 33		+ - 5	=	+ 28		
90S	+ 26		+ - 5	=	+ 21		
12+00S	+ 22		+ - 5	=	+ 17	TI	
10S	+ 4		+ 17	=	+ 21		
20S	+ 6		+ 17	=	+ 23		
30S	+ 1		+ 17	=	+ 18		
40S	+ 8		+ 17	=	+ 25		
50S	+ 5		+ 17	=	+ 22		
60S	+ 9		+ 17	=	+ 26		
70S	+ 11		+ 17	=	+ 28		
80S	+ 13		+ 17	=	+ 30		
90S	+ 6		+ 17	=	+ 23		
13+00S	+ 10		+ 17	=	+ 27		

L 39+00E / 8+00S base station
P.D. 0+3 /2 = 1.5

Station	MV		BS					
8+10S	- 1							
20S	+ 9							
30S	+ 2							
40S	0							
50S	+ 10							
60S	+ 4							
70S	+ 16							
80S	0							
90S	- 4							
9+00S	+ 1	TI						
10S	+ 7		+	1	=	+	8	
20S	- 6		+	1	=	-	5	
30S	- 7		+	1	=	-	6	
40S	- 11		+	1	=	-	10	
50S	- 6		+	1	=	-	5	
60S	+ 2		+	1	=	+	3	
70S	- 7		+	1	=	-	6	
80S	+ 8		+	1	=	+	9	
90S	- 2		+	1	=	-	1	
10+00S	- 3		+	1	=	-	2	TI
10S	- 3		+ -	2	=	-	5	
20S	+ 3		+ -	2	=	+	1	
30S	+ 6		+ -	2	=	+	4	
40S	- 1		+ -	2	=	-	3	
50S	- 2		+ -	2	=	-	4	
60S	- 16		+ -	2	=	-	18	
70S	- 8		+ -	2	=	-	10	
80S	- 9		+ -	2	=	-	11	
90S	- 7		+ -	2	=	-	9	
11+00S	+ 3		+ -	2	=	+	1	TI
10S	- 11		+	1	=	-	10	
20S	- 15		+	1	=	-	14	
30S	- 8		+	1	=	-	7	
40S	- 13		+	1	=	-	12	
50S	- 13		+	1	=	-	12	
60S	- 7		+	1	=	-	6	
70S	- 3		+	1	=	-	2	
80S	- 16		+	1	=	-	15	
90S	- 22		+	1	=	-	21	
12+00S	+ 1		+	1	=	+	2	TI
10S	- 13		+	2	=	-	11	
20S	- 21		+	2	=	-	19	
30S	- 11		+	2	=	-	9	
40S	+ 2		+	2	=	+	4	
50S	+ 6		+	2	=	+	8	
60S	+ 6		+	2	=	+	8	
70S	- 2		+	2	=		0	
80S	+ 5		+	2	=	+	7	
90S	+ 2		+	2	=	+	4	
13+00S	- 3		+	2	=	-	1	

L 8+00S / 39+00E-40+00E
P.D. -3+3 /2 = 0

Station	MV
40+00E	BS
90E	+ 5
80E	+ 12
70E	- 2
60E	- 2
50E	+ 4
40E	+ 7
30E	0
20E	+ 20
10E	+ 10
39+00E	+ 8

L 8+00S / 40+00E-45+00E
P.D. -3+4 /2 = .5

Station	MV		BS				
45+00E	BS						
90E	- 7						
80E	+ 15						
70E	- 7						
60E	- 10						
50E	- 14						
40E	+ 18						
30E	+ 11						
20E	- 11						
10E	+ 6						
44+00E	+ 12	TI					
90E	- 1		+	12	=	+ 11	
80E	- 6		+	12	=	+ 6	
70E	+ 4		+	12	=	+ 16	
60E	+ 2		+	12	=	+ 14	
50E	+ 2		+	12	=	+ 14	
40E	+ 8		+	12	=	+ 20	
30E	+ 5		+	12	=	+ 17	
20E	0		+	12	=	+ 12	
10E	- 3		+	12	=	+ 9	
43+00E	+ 18		+	12	=	+ 30	TI
90E	- 2		+	30	=	+ 28	
80E	- 12		+	30	=	+ 18	
70E	- 13		+	30	=	+ 17	
60E	- 7		+	30	=	+ 23	
50E	- 23		+	30	=	+ 7	
40E	- 6		+	30	=	+ 24	
30E	- 13		+	30	=	+ 17	
20E	- 13		+	30	=	+ 17	
10E	- 12		+	30	=	+ 18	

42+00E	−	10	+	30	=	+	20	TI
90E	−	2	+	20	=	+	18	
80E		0	+	20	=	+	20	
70E	−	2	+	20	=	+	18	
60E	−	9	+	20	=	+	11	
50E		0	+	20	=	+	20	
40E	−	1	+	20	=	+	19	
30E	−	1	+	20	=	+	19	
20E	−	3	+	20	=	+	17	
10E	−	16	+	20	=	+	4	
41+00E	−	5	+	20	=	+	15	TI
90E	+	10	+	15	=	+	25	
80E	−	14	+	15	=	+	1	
70E	−	28	+	15	=	−	13	
60E	−	19	+	15	=	−	4	
50E	−	21	+	15	=	−	6	
40E	−	27	+	15	=	−	12	
30E	+	5	+	15	=	+	20	
20E	−	29	+	15	=	−	14	
10E	−	8	+	15	=	+	7	
40+00E	+	5	+	15	=	+	20	

HOBSON 1 & HOBSON 2 claims
Regional SELF-POTENTIAL Geophysical survey Readings

Legend

P.D. pot difference
TI tie in station
BS base shift
MV millivolts

BREW WEST : Upper MOTHER zone
Lines: A, B, C, D, E, F, G, H, I

Readings at 2 meter intervals

P.D. 0+ 2 /2 = 0

line A @ 160 degrees		line B @ 120 degrees	
Station	MV	Station	MV
0	BS	0	BS
2	+ 4	2	+22
4	+12	4	+11
6	+14	6	+ 2
8	+16	8	+ 1
10	+ 5	10	- 8
12	+ 4	12	+ 6
14	- 9	14	+ 3
16	+10	16	- 8
18	- 7	18	- 7
20	+ 1	20	+ 4
22	+13	22	+ 7
24	+ 8	24	+ 4
26	+13	26	+ 4
28	+ 9	28	+ 2
30	+ 9	30	+ 7
32	+12	32	+13
34	+11	34	+ 8
36	+ 9	36	+23
38	+ 7	38	+12
40	+12	40	+17
42	- 5	42	0
44	+19	44	+11
46	+22	46	+ 6
48	+18	48	+ 5
50	+20	50	+ 5

line C @ 80 degrees

Station	MV
0	BS
2	+ 4
4	0
6	+ 9
8	+12
10	- 5
12	- 1
14	0
16	0
18	-11
20	-14
22	-12
24	- 3
26	- 2
28	- 1
30	+ 6
32	-25
34	- 2
36	- 8
38	- 4
40	- 2
42	+ 6
44	+ 7
46	+ 8
48	+16
50	+14

line D @ 40 degrees

Station	MV
0	BS
2	+15
4	+19
6	+11
8	+15
10	+ 3
12	- 4
14	+ 5
16	+ 4
18	0
20	-12
22	-10
24	- 8
26	+ 8
28	+ 1
30	+ 7
32	- 3
34	- 8
36	-23
38	- 5
40	-18
42	- 5
44	+ 1
46	- 2
48	- 5
50	- 6

line E @ 360 degrees

Station	MV
0	BS
2	+ 8
4	+11
6	+16
8	+16
10	+ 8
12	+19
14	+ 1
16	+13
18	+ 2
20	+ 4
22	+29
24	+12
26	+11
28	+22
30	+ 7
32	+ 3
34	+ 8
36	+10
38	+11

line F @ 320 degrees

Station	MV
0	BS
2	+ 2
4	0
6	0
8	+14
10	+11
12	+25
14	+21
16	+16
18	+28
20	+22
22	+26
24	+11
26	- 4
28	+ 8
30	+11
32	+ 2
34	0
36	-10
38	-10

40	+33	40	-12
42	+19	42	+12
44	+23	44	+18
46	+11	46	+ 7
48	+17	48	+13
50	+13	50	+ 5

line G @ 280 degrees

Station	MV
0	BS
2	- 2
4	+ 3
6	- 6
8	- 1
10	+29
12	+13
14	+30
16	+36
18	+31
20	+38
22	+43
24	+20
26	+11
28	+11
30	+10
32	+ 7
34	+11
36	+11
38	+19
40	+15
42	+ 4
44	+14
46	+ 6
48	+16
50	+18

line H @ 240 degrees

Station	MV
0	BS
2	- 7
4	-16
6	+19
8	+32
10	+30
12	+30
14	+31
16	+33
18	+21
20	+15
22	+19
24	+26
26	+ 1
28	+22
30	+ 5
32	+16
34	+13
36	+15
38	+19
40	+30
42	+20
44	+11
46	+14
48	+20
50	+ 9

line I @ 200 degrees

Station	MV
0	BS
2	- 6
4	- 7
6	+ 3
8	+15
10	+24
12	+15
14	+17
16	+29
18	+43
20	+44
22	+34

24	+31
26	+35
28	+28
30	+18
32	+ 1
34	+22
36	+22
38	+ 7
40	+24
42	+19
44	0
46	+ 8
48	+ 4
50	+ 6

HOBSON 1 & HOBSON 2 claims
Regional SELF-POTENTIAL Geophysical survey Readings

Legend

P.D. pot difference
TI tie in station
BS base shift
MV millivolts

Old Mariposite zone : Hobson 1 claim
Lines: N, O, P, R, S, T

Readings at 2 meter intervals

P.D. - 1+3 /2 = 1

line N @ 90 degrees

Station	MV
0	BS
2	+ 3
4	+ 5
6	+ 6
8	+ 1
10	+ 3
12	+ 6
14	+ 5
16	+ 5
18	- 33
20	- 38
22	- 37
24	- 16
26	- 19
28	- 28
30	- 43
32	- 35
34	- 28
36	- 38
38	- 45
40	- 7
42	- 4
44	0
46	+ 11
48	+ 5
50	+ 5

line O @ 135 degrees

Station	MV
0	BS
2	+ 10
4	+ 4
6	+ 13
8	0
10	+ 1
12	+ 1
14	+ 3
16	0
18	0
20	- 67
22	- 76
24	- 21
26	- 74
28	- 39
30	- 52
32	- 49
34	- 31
36	- 37
38	- 27
40	- 35
42	- 21
44	- 35
46	- 30
48	- 33

line P @ 180 degrees

Station	MV
0	BS
2	+ 5
4	+ 7
6	+ 5
8	- 6

line R @ 270 degrees

Station	MV
0	BS
2	0
4	- 25
6	- 26
8	- 40

10	+ 2
12	- 7
14	- 5
16	- 18
18	-105
20	- 47
22	- 6
24	- 17
26	- 12
28	- 38
30	- 27
32	- 36
34	- 66
36	- 30
38	- 78
40	- 35
42	- 39
44	- 28
46	- 12

10	- 11
12	- 46
14	- 40
16	- 44
18	- 44
20	- 44
22	- 36
24	- 65
26	- 51
28	- 44
30	- 78
32	- 56
34	- 56
36	- 75
38	- 49
40	- 85
42	- 50
44	- 51
46	- 56
48	- 50
50	- 57

line S @ 315 degrees

Station	MV
0	BS
2	- 10
4	- 18
6	- 21
8	- 26
10	- 26
12	- 27
14	- 72
16	- 31
18	- 63
20	- 32
22	- 31
24	- 36
26	- 38
28	- 31
30	- 37
32	- 36
34	- 39
36	- 36
38	- 44
40	- 40
42	- 45
44	- 45
46	- 50
48	- 44
50	- 43

line T @ 360 degrees

Station	MV
0	BS
2	- 7
4	- 26
6	- 20
8	- 34
10	- 17
12	- 72
14	- 26
16	- 18
18	- 28
20	- 18
22	- 16
24	- 19
26	- 25
28	- 27
30	- 33
32	- 26
34	- 28
36	- 33
38	- 26
40	- 22
42	- 22
44	- 19
46	- 24
48	- 18
50	- 40

HOBSON 1 & HOBSON 2 claims
Regional SELF-POTENTIAL Geophysical reconnaisance Readings

Legend

P.D. pot difference
TI tie in station
BS base shift
MV millivolts

UJ zone : Hobson 2 claim
Lines : K, L

Readings at 10 meter intervals

line K @ 30 degrees
P.D. - 1&1 /2 = 0

Station	MV	BS
0	BS	
10	- 12	
20	- 35	
30	- 29	
40	- 10	
50	- 7	
60	- 1	
70	- 14	
80	- 19	
90	- 15	
100	- 1 TI	
110	0	+ - 1 = - 1
120	- 13	+ - 1 = - 14
130	- 5	+ - 1 = - 6
140	- 18	+ - 1 = - 19
150	- 16	+ - 1 = - 17
160	- 10	+ - 1 = - 11
170	- 18	+ - 1 = - 19
180	- 21	+ - 1 = - 22
190	- 36	+ - 1 = - 37
200	- 31	+ - 1 = - 32

line L (UJ pit)
P.D. 0+1 /2 = .5

Station	MV
0	BS
10	+ 5
20	+ 8
30	+ 8
40	- 13
50	+ 2
60	+ 5
70	+ 8
80	+ 2

90	+ 9
100	+ 12
110	+ 9
120	+ 18
130	+ 16
140	+ 16
150	+ 2
160	+ 1

HOBSON 1 & HOBSON 2 claims
Regional SELF-POTENTIAL Geophysical reconnaisance Readings

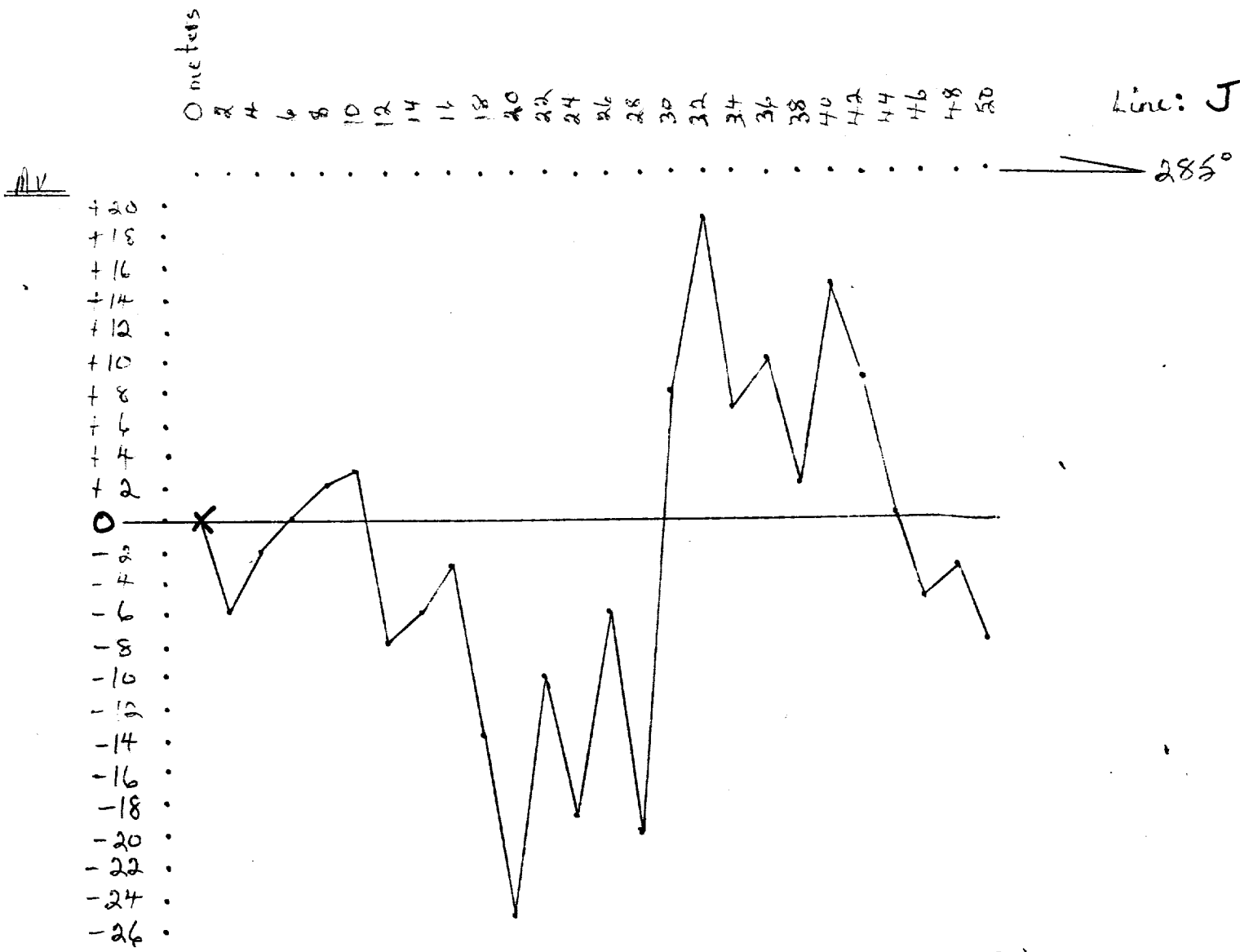
Legend
P.D. pot difference
MV millivolts

Lower Mother : Hobson 2 claim
Line : J

Readings at 2 meter intervals

line J @ 285 degrees
P.D. - 7+2 /2 = -2.5

Station	MV
0	BS
2	- 6
4	- 2
6	0
8	+ 2
10	+ 3
12	- 8
14	- 6
16	- 3
18	- 14
20	- 25
22	- 10
24	- 19
26	- 6
28	- 22
30	+ 8
32	+ 19
34	+ 7
36	+ 10
38	+ 2
40	+ 15
42	+ 9
44	0
46	- 5
48	- 3
50	- 8



LEGEND

HOBSON 2 claim

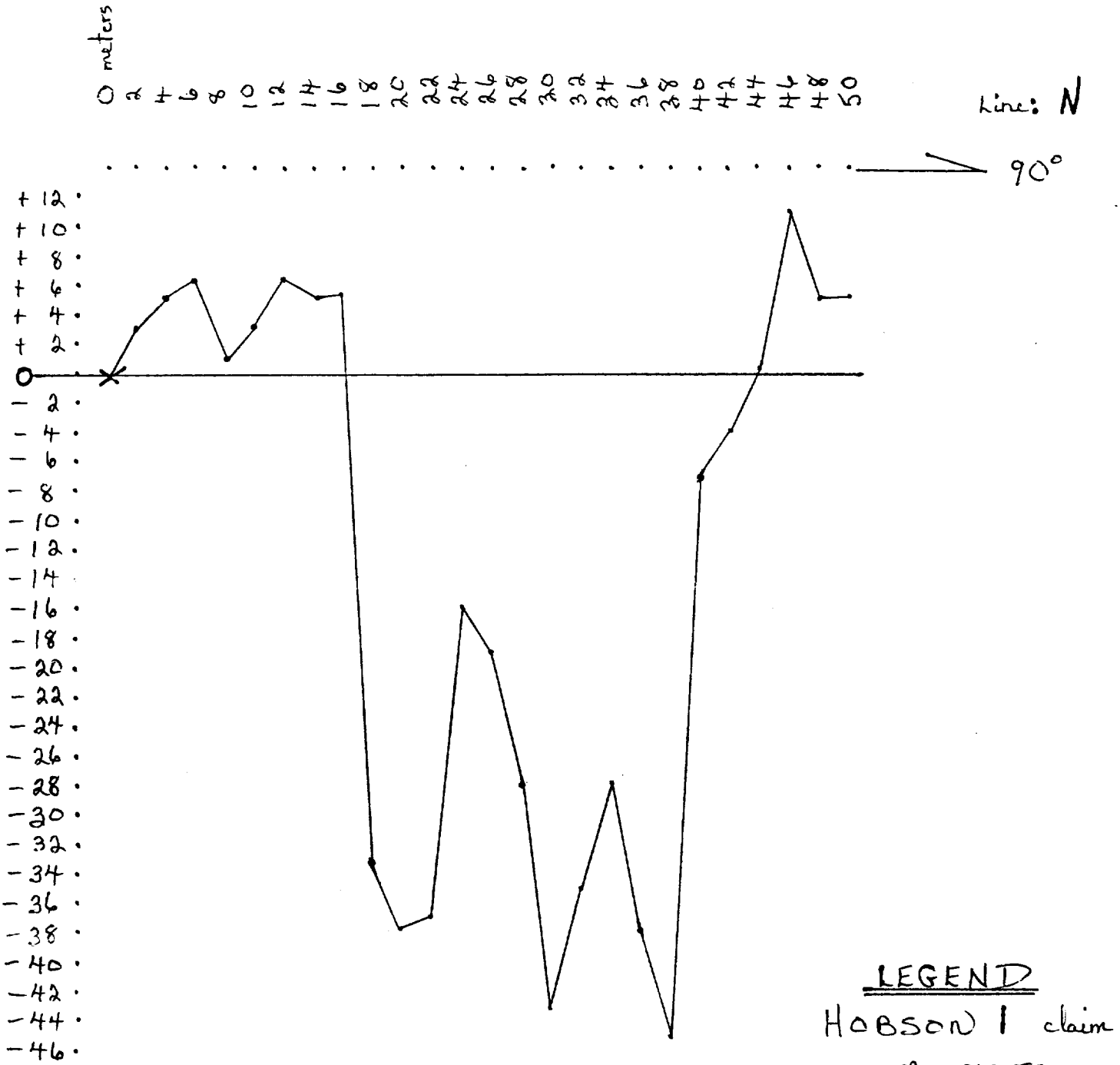
Brw West - LOWER MOTHER zone

Self-Potential

Geophysic PROFILE

Line: J @ 285°

By: Thomas Hobson, 1995



LEGEND

HOBSON 1 claim

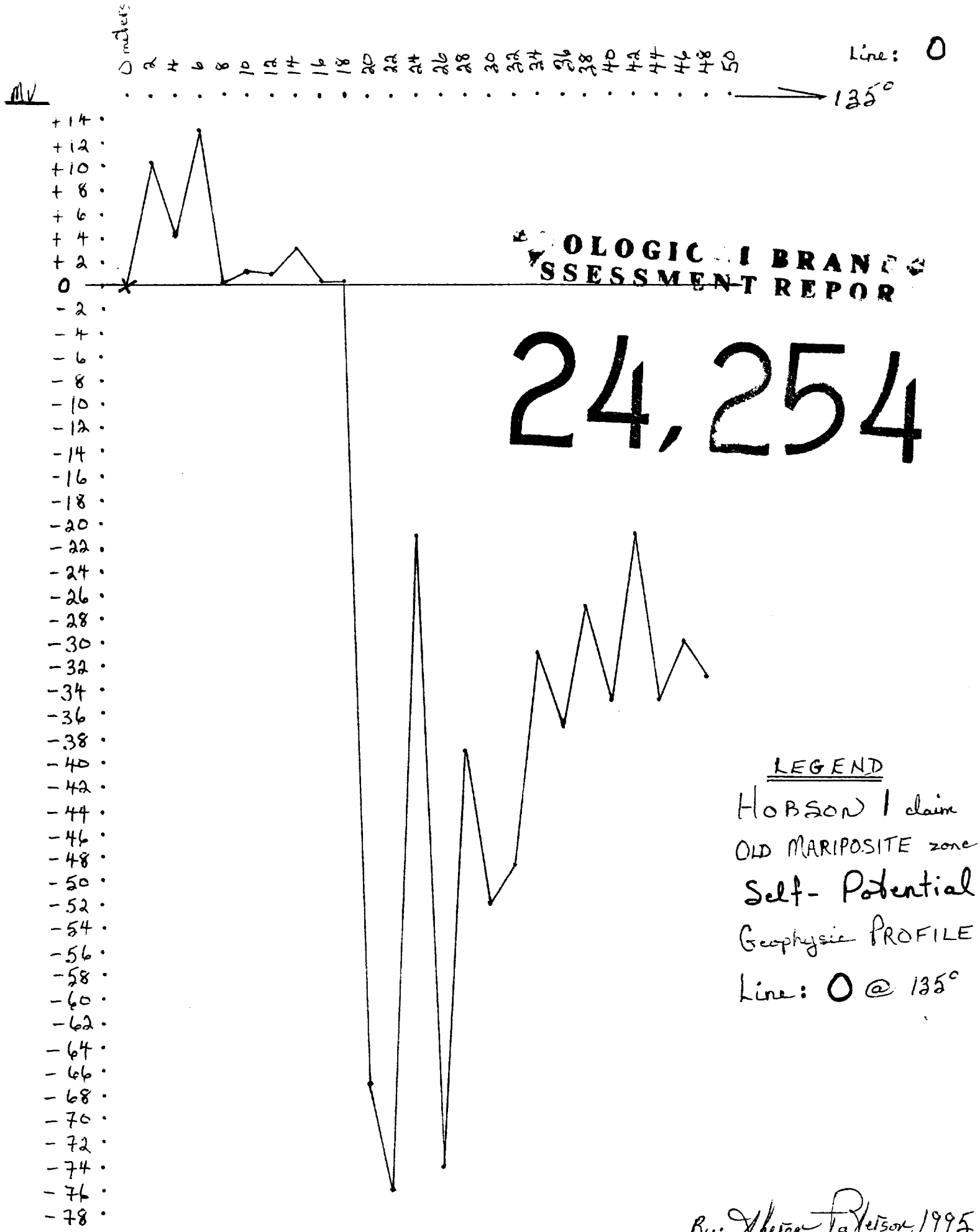
OLD MARIPOSITE zone

Self-Potential

Geophysic PROFILE

Line: N @ 90°

By: Thelan Peterson, 1995


0 meters
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50
Line: 0
135°
mV
+14 +12 +10 + 8 + 6 + 4 + 2 0 - 2 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 26 - 28 - 30 - 32 - 34 - 36 - 38 - 40 - 42 - 44 - 46 - 48 - 50 - 52 - 54 - 56 - 58 - 60 - 62 - 64 - 66 - 68 - 70 - 72 - 74 - 76 - 78
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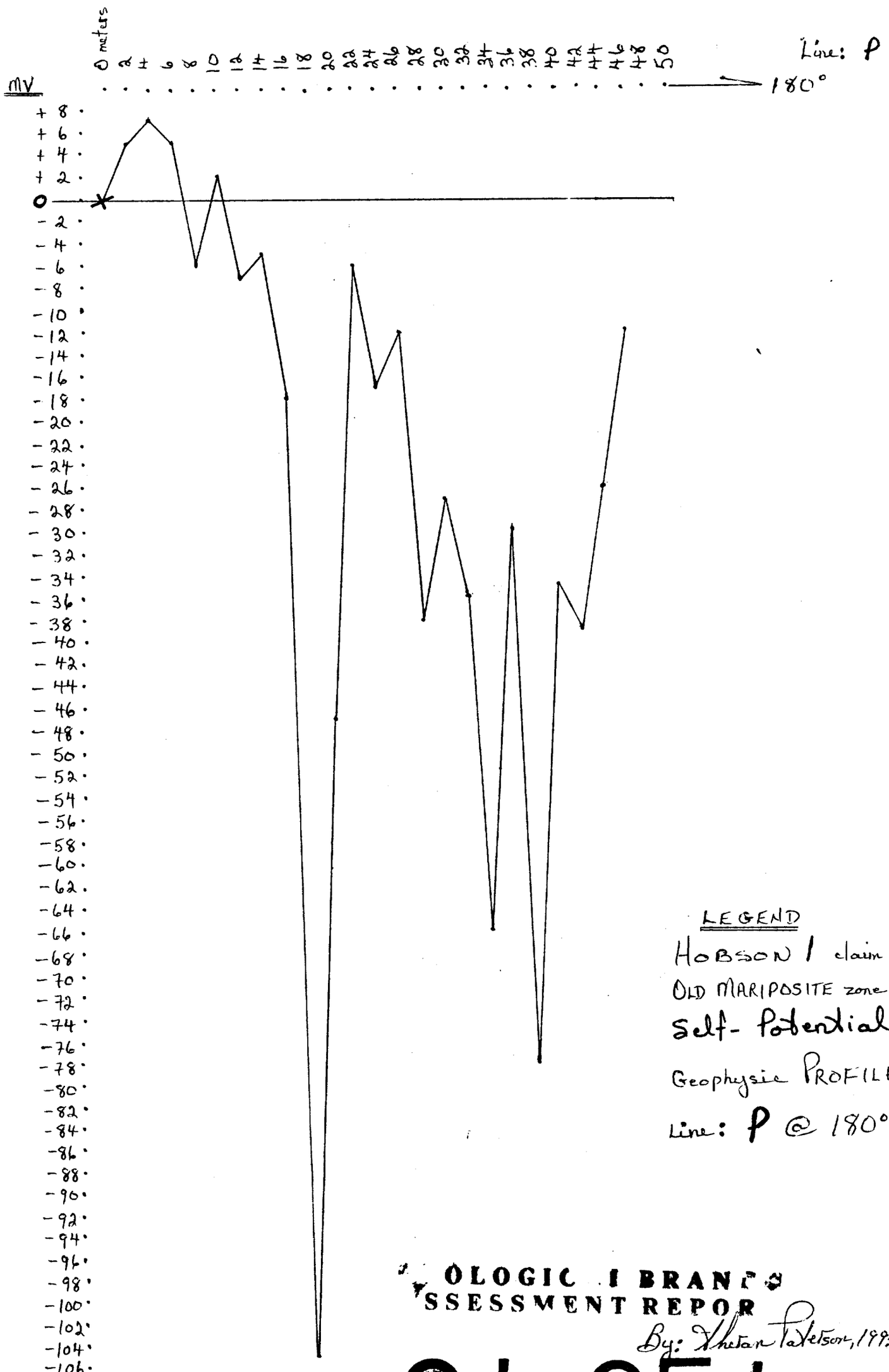
LEGEND
Hobson 1 claim
OLD MARIPOSITE zone
Self- Potential
Geophysic PROFILE
Line: 0 @ 135°
By: Thelma Paterson, 1995



LEGEND

HOBSON 1 claim

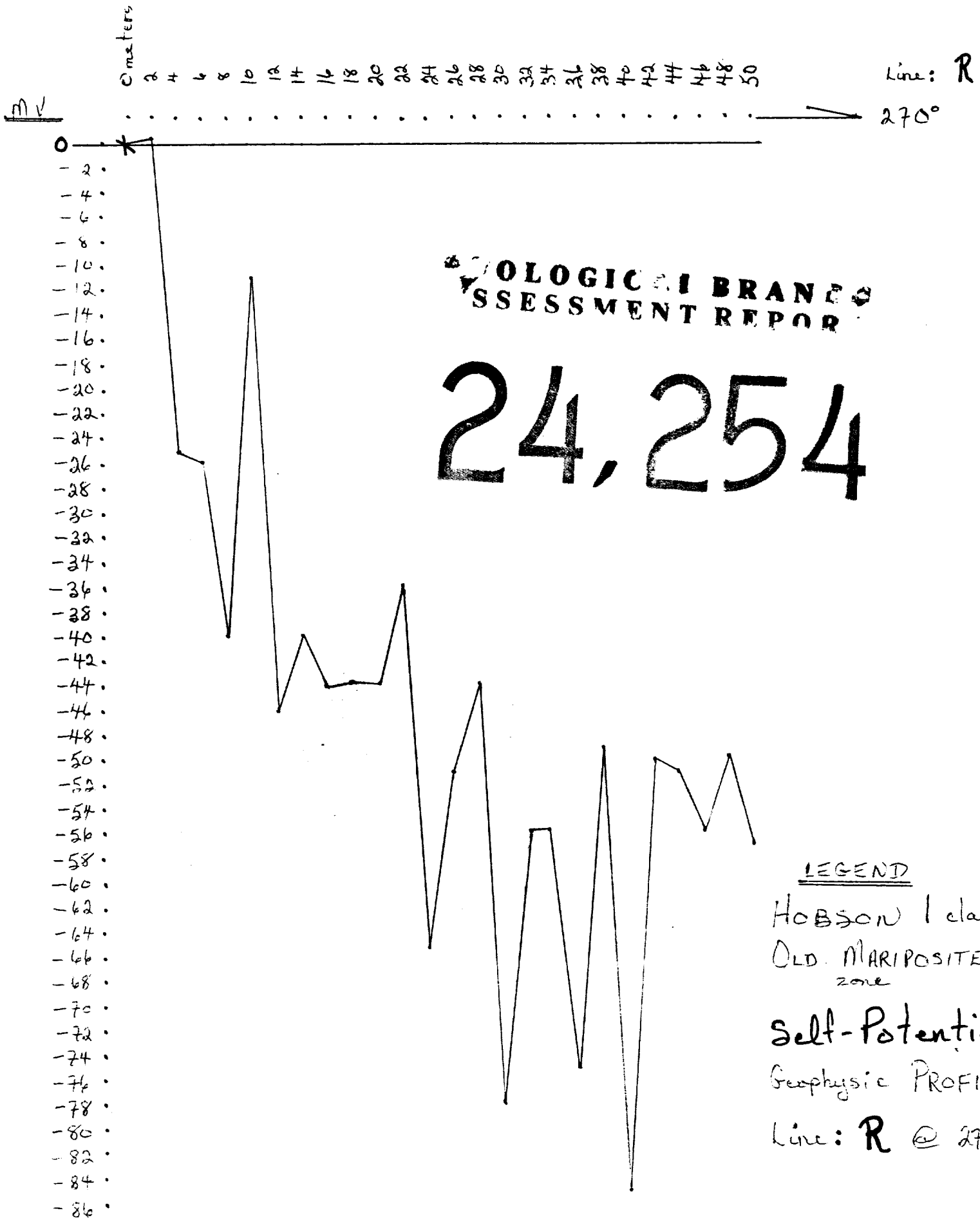
OLD MARIPOSITE zone

Self-Potential

Geophysic PROFILE

Line: P @ 180°

By: Thetan Peterson, 199



LEGEND

HOBSON 1 claim

OLD MARIPOSITE zone

Self-Potential

Geophysic PROFILE

Line: R @ 270°

By: Nestor Paterson, 1995

LEGEND

HOBSON 1 claim

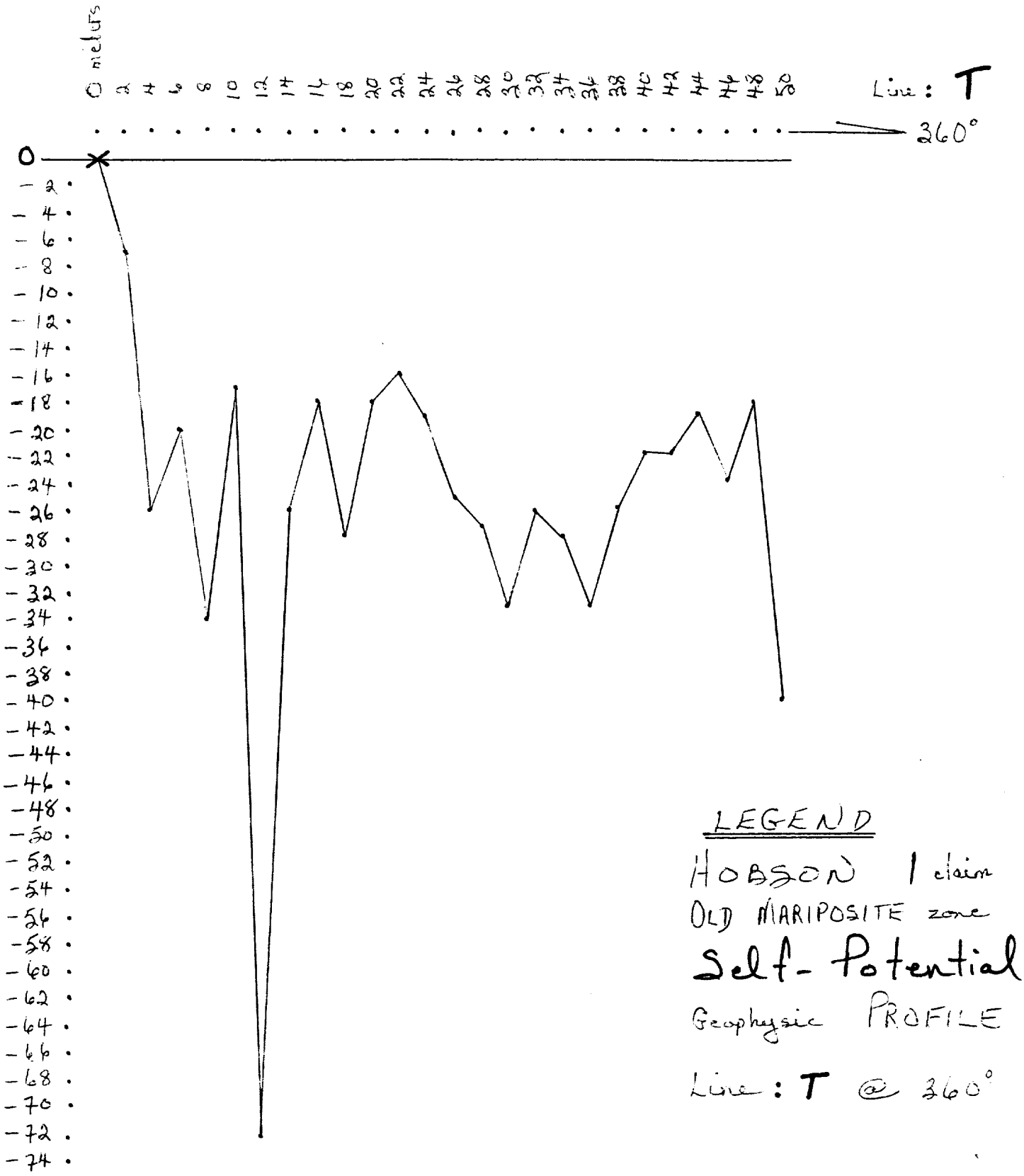
OLD MARIPOSITE zone

Self-Potential

Geophysic PROFILE

Line: S @ 315°

By: [illegible] Peterson, 1995



LEGEND

HOBSON 1 claim

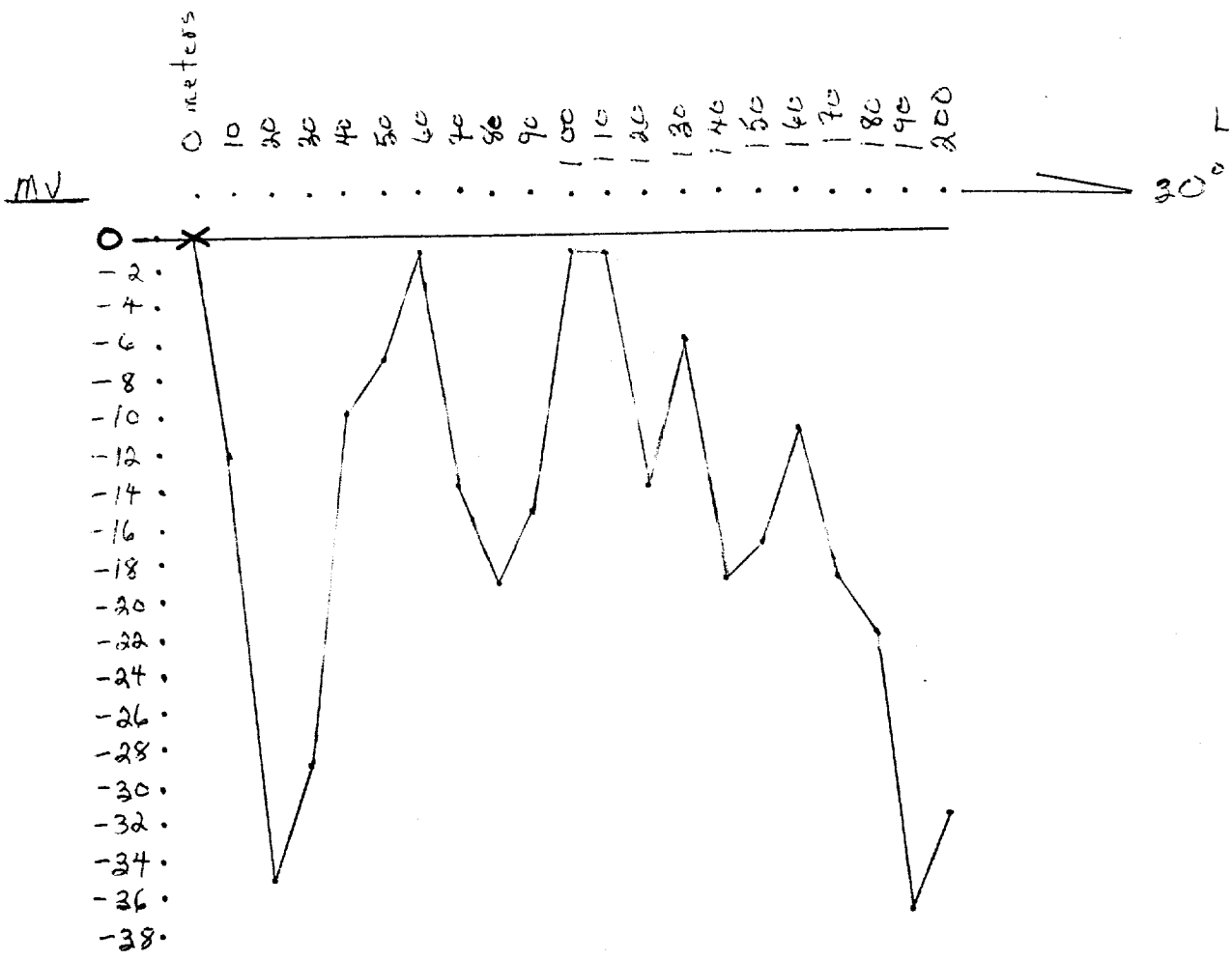
OLD MARIPOSITE zone

Self-Potential

Geophysic PROFILE

Line: T @ 360°

By: Morgan Patterson, 1995



LEGEND

HOBSON 2 claim

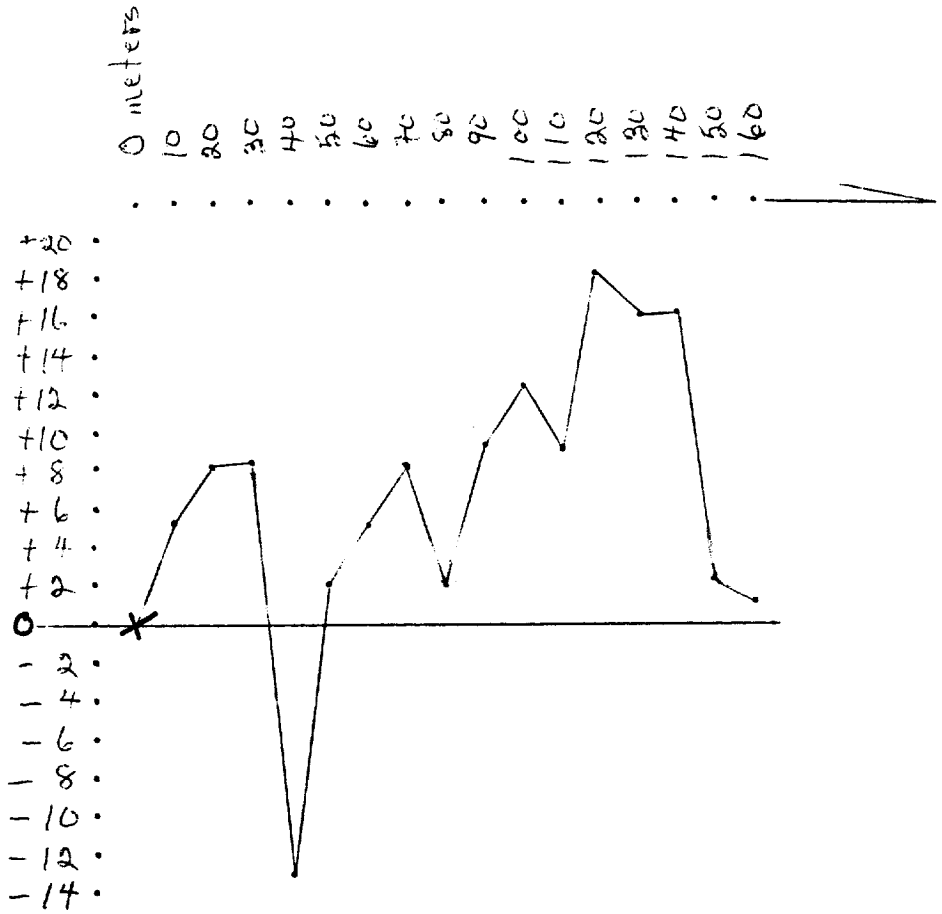
UJ zone

Self-Potential

Geophysic PROFILE

Line: K @ 30°

By: Thérèse Paterson, 1995



Line: L

LEGEND

HOBSON 2 claim

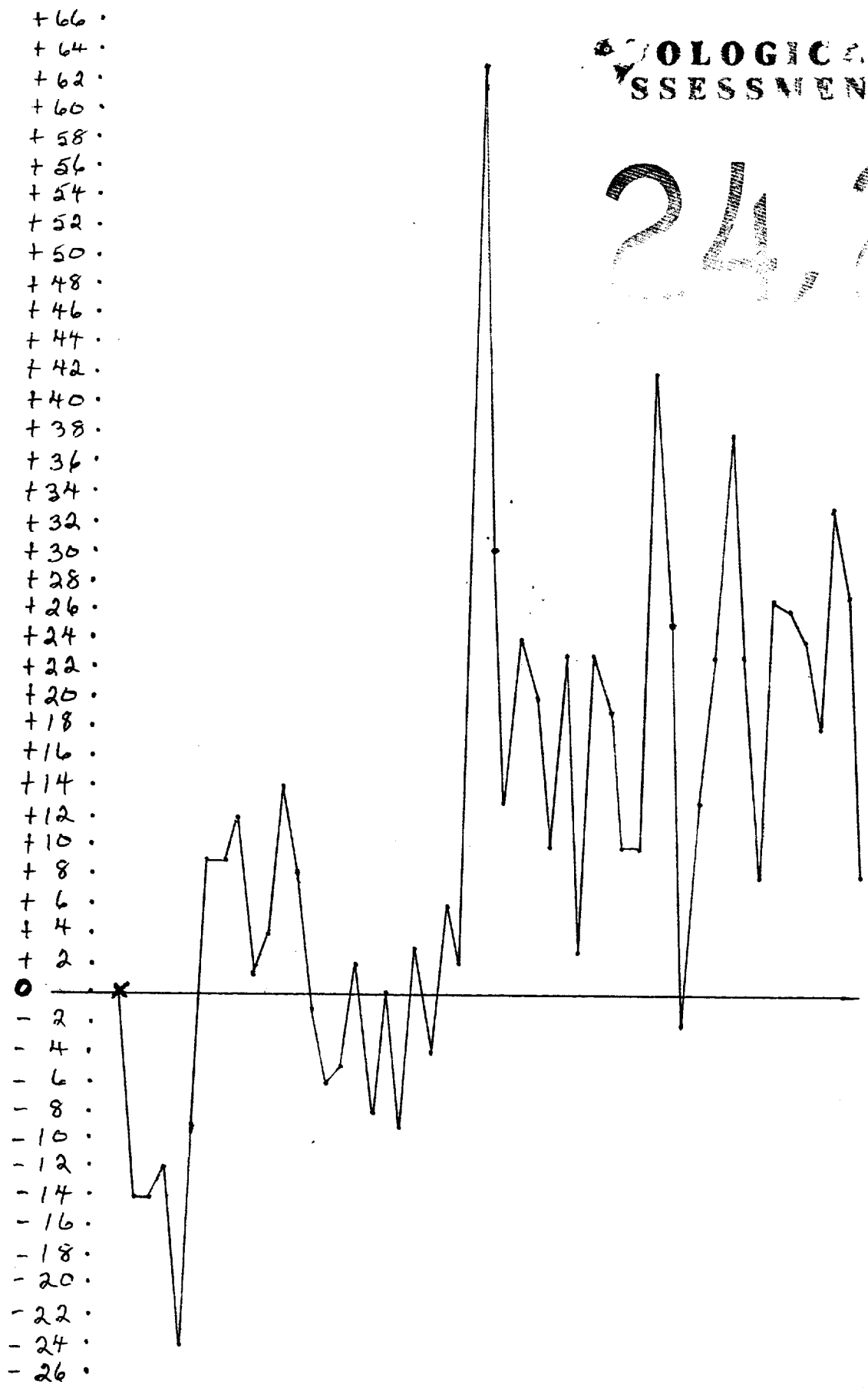
LLJ zone (LLJ pit)

Self-Potential

Geophysics PROFILE

Line: L (LLJ pit)

By: Thomas Dickerson, 1995

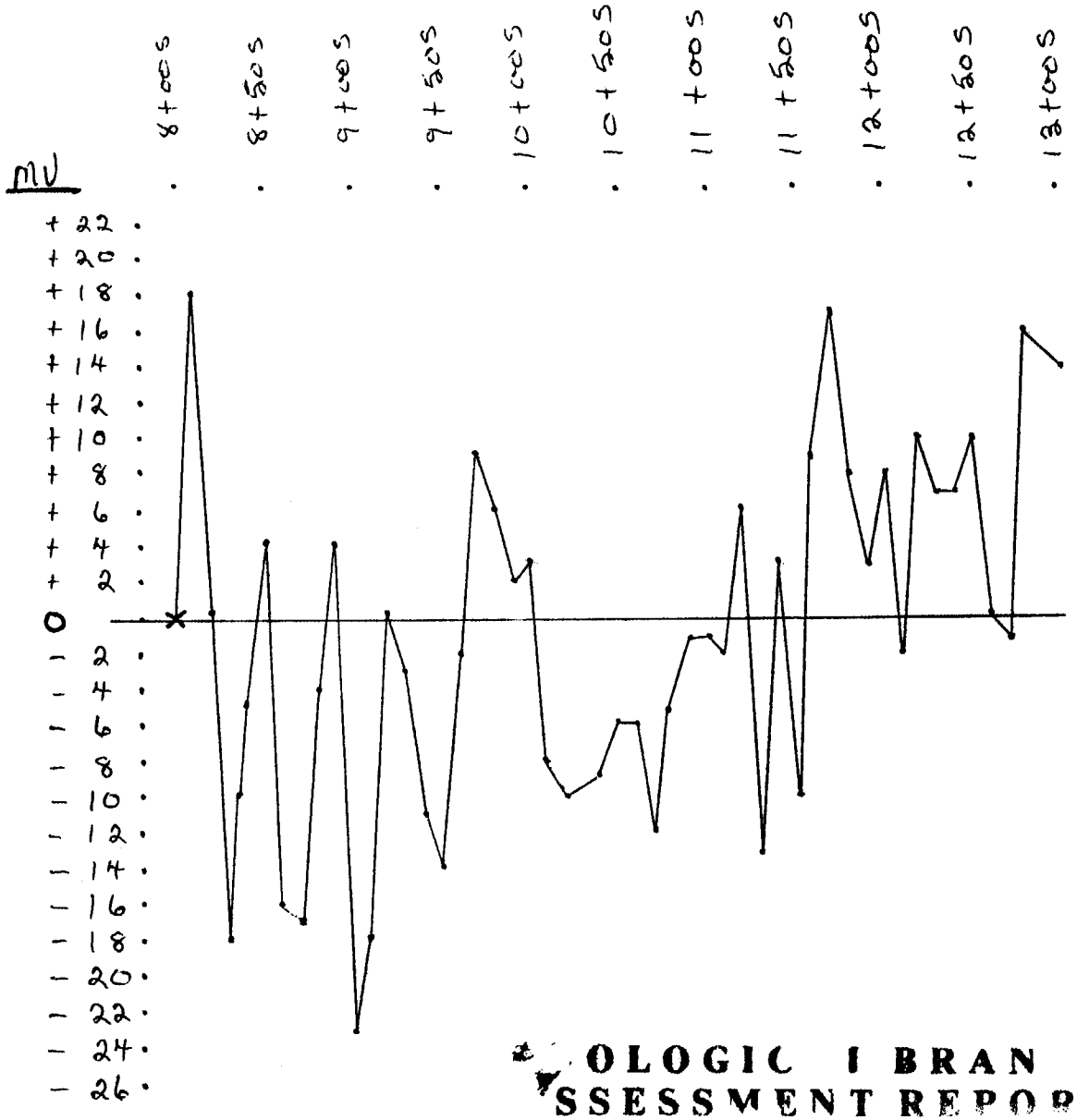


LEGEND

HOBSON 2 claim
BREW WEST zone
Self-Potential
Geophysic PROFILE

Line: 41+00E
(8+00S - 13+00S)

By: Khristian Pedersen, 1995

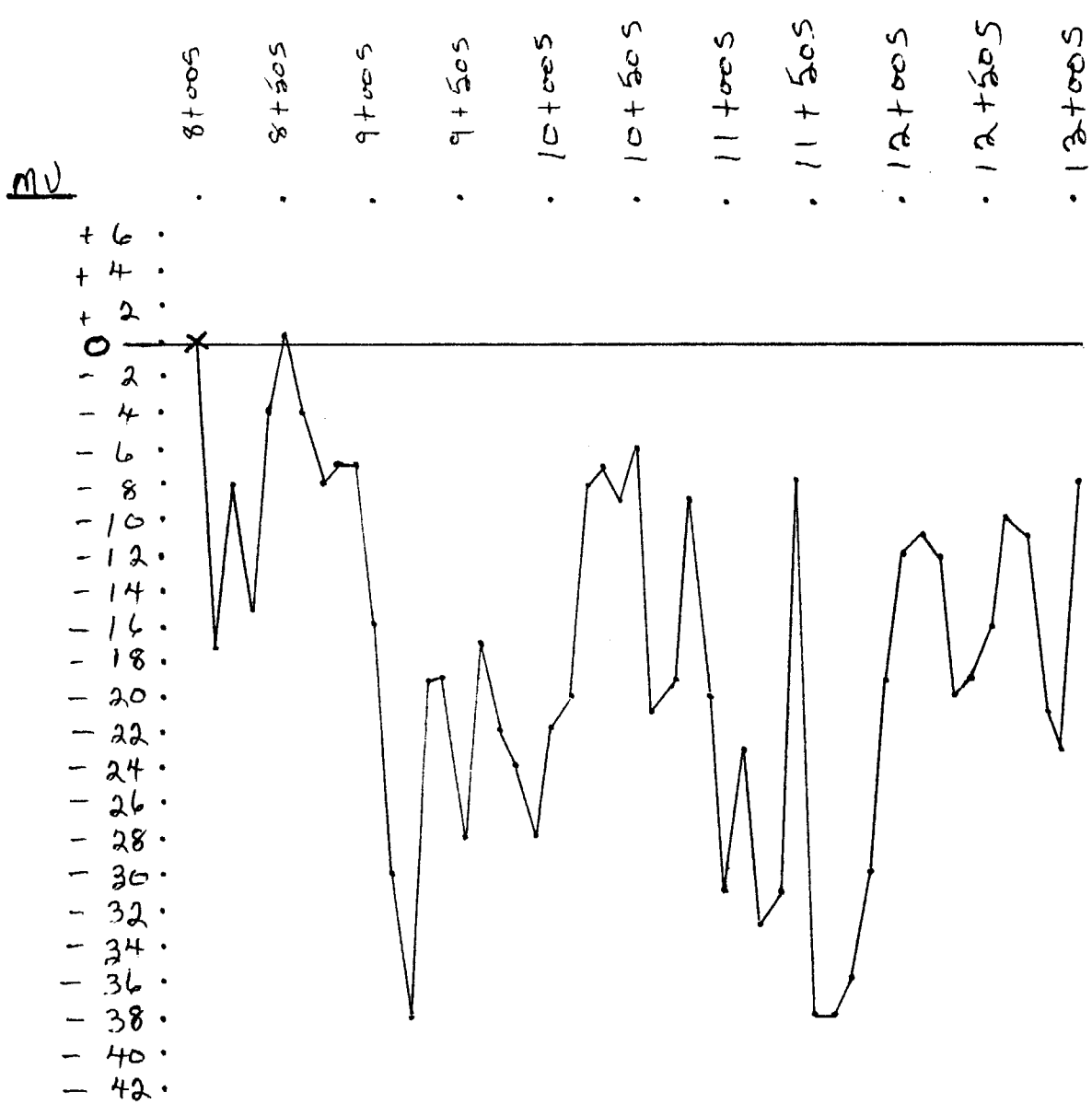


LEGEND

HOBSON 2 claim
BREW WEST zone
Self-Potential
Geophysic PROFILE

Line: 42+00E
(8+00S - 13+00S)

By: Khetan Robertson, 1995

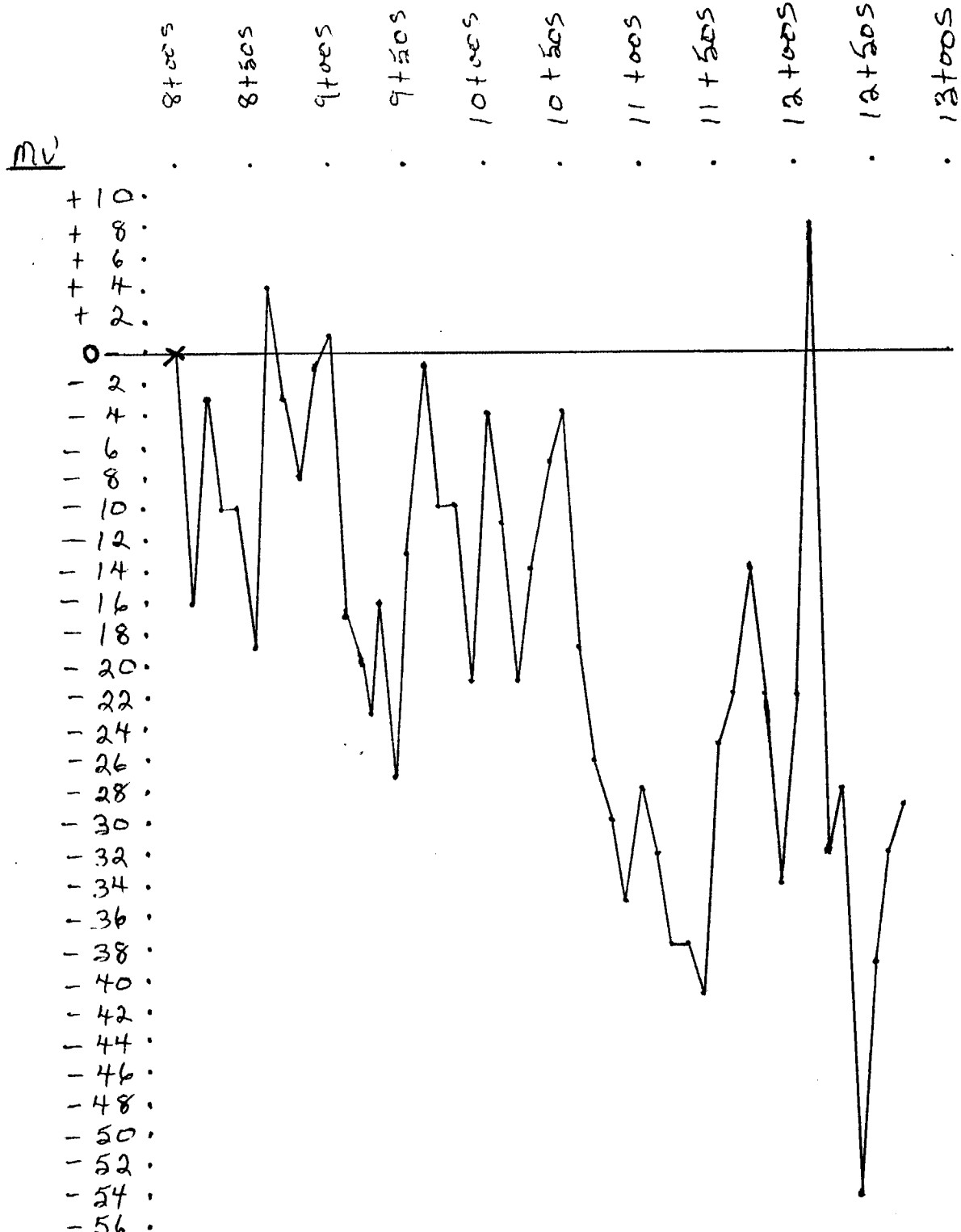


LEGEND

HOBSON 2 claim
BREW WEST zone
Self-Potential
Geophysics PROFILE

Line: 42+00E
(8+00S - 13+00S)

By: Khetan Patel, 1995



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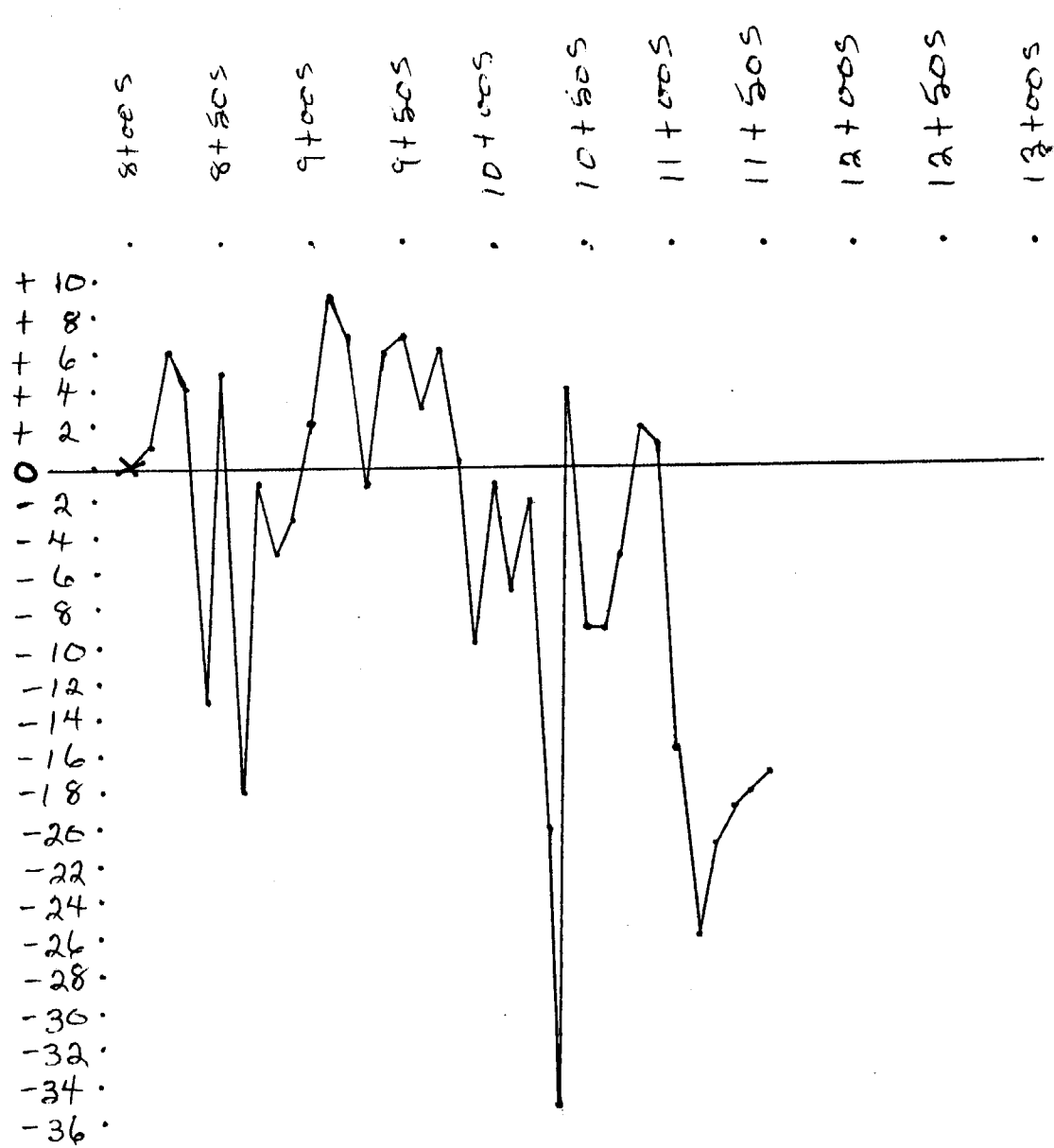
LEGEND

HOBSON 2 claim
BREW WEST zone
Self-Potential
Geophysic PROFILE

Line: 44+00E
(8+00S - 13+00S)

By: Khevan Jacobsen, 1995



LEGEND

HOBSON 2 claim

BREW WEST zone

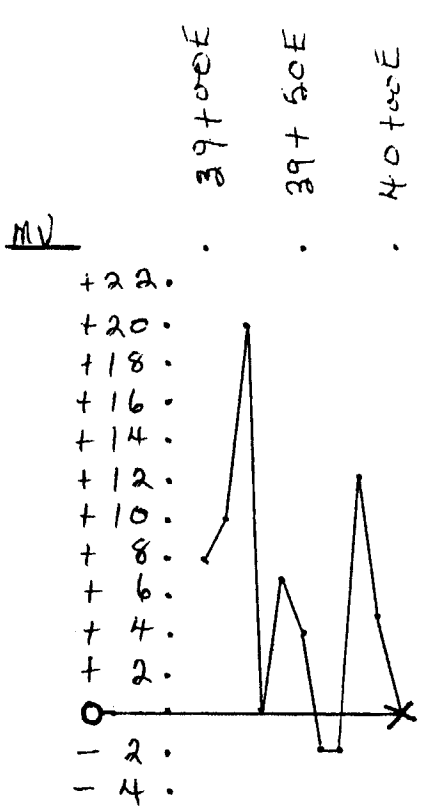
self-Potential

Geophysic PROFILE

Line: 45+00E

(8+00S - 13+00S)

By: Khevan Jacobson, 1995



24,254

LEGEND

HOBSON 2 claim

BREW WEST zone

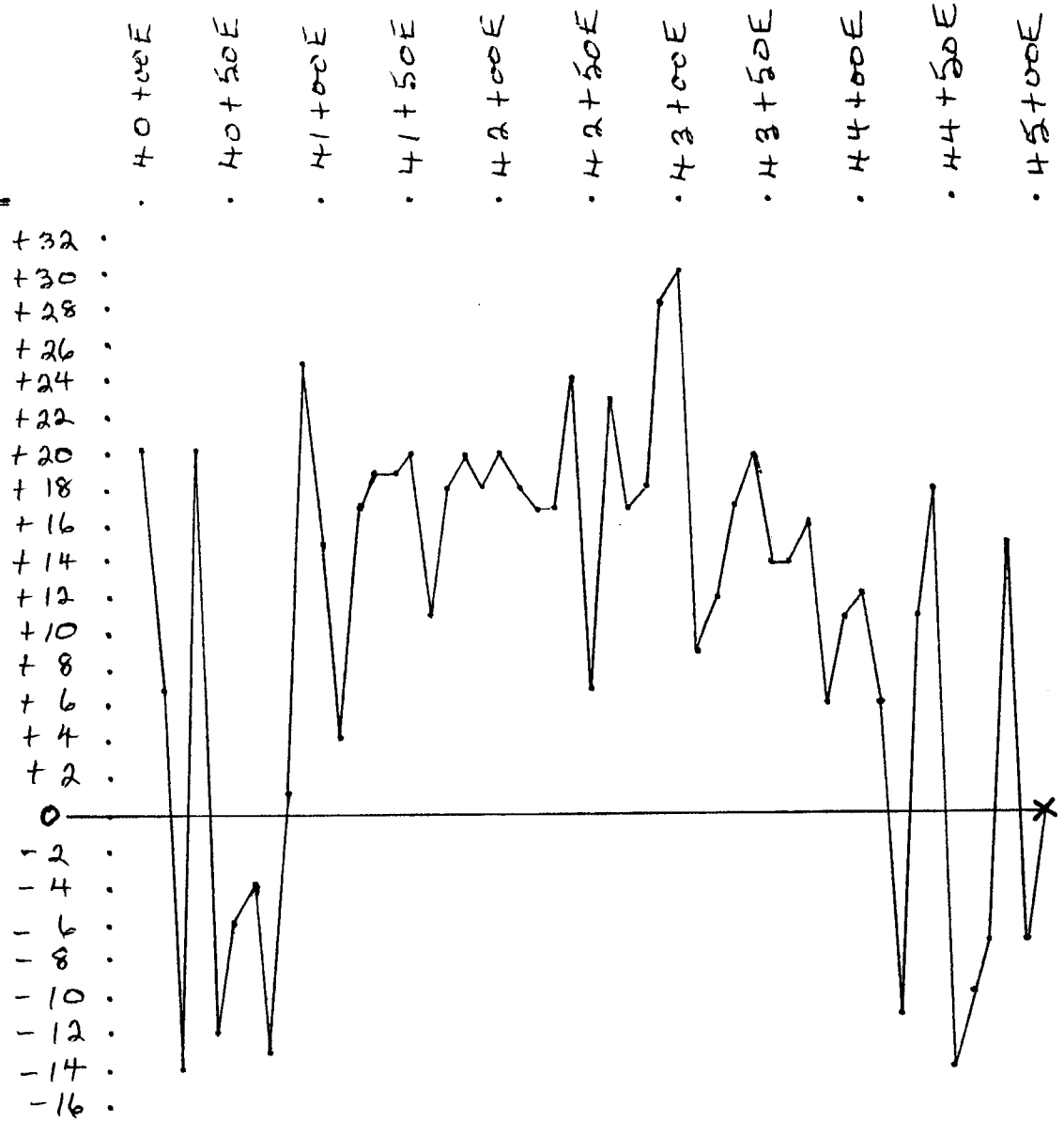
Self-Potential

Geophysic PROFILE

Line: 8+00S

(39+00E - 40+00E)

By: Khevan Hobson, 1995



LEGEND

HOBSON 2 claim

BREW WEST zone

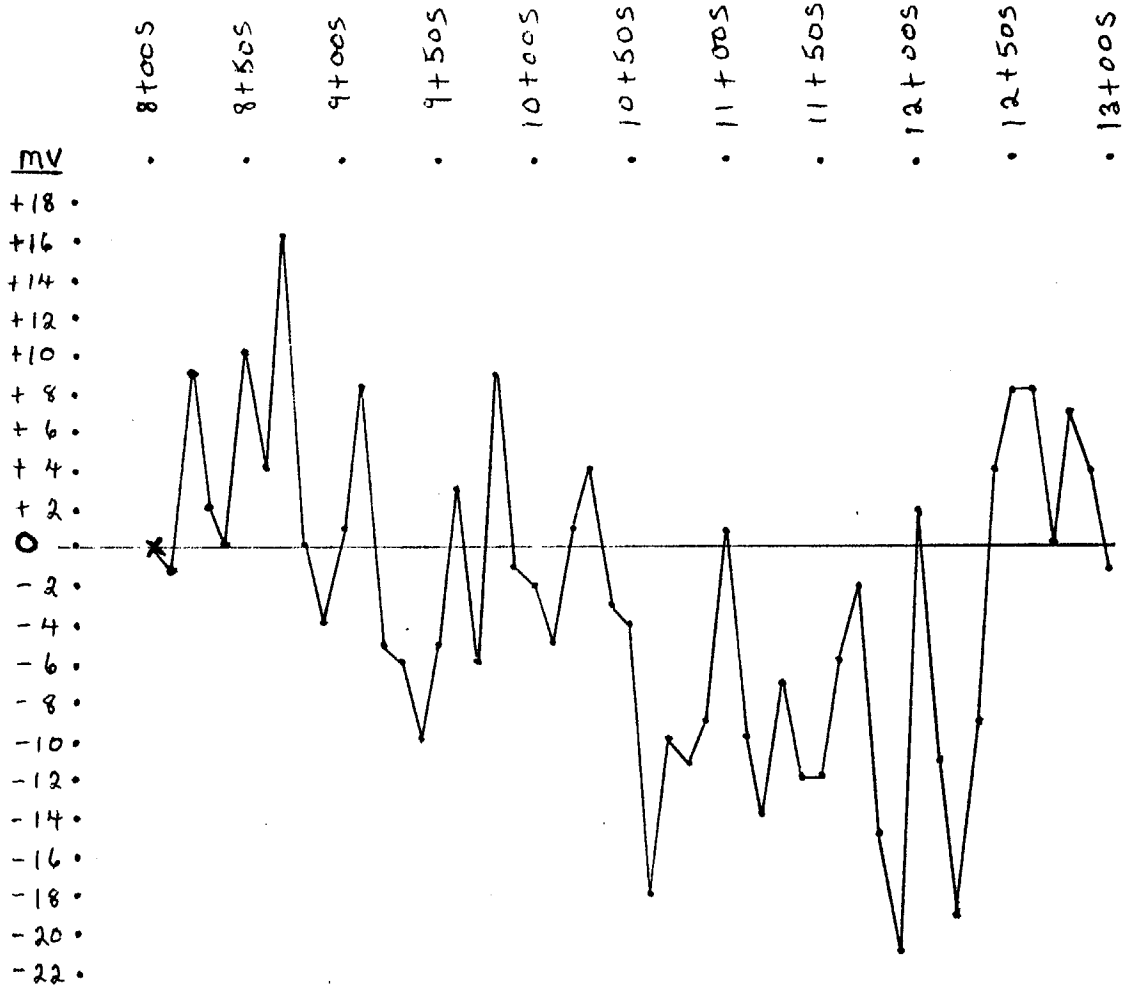
Self-Potential

Geophysic PROFILE

Line: 8+00S

(40+00E - 45+00E)

By: Nikolaw Peterson, 1995



LEGEND

HOBSON 2 claim

BREW WEST zone

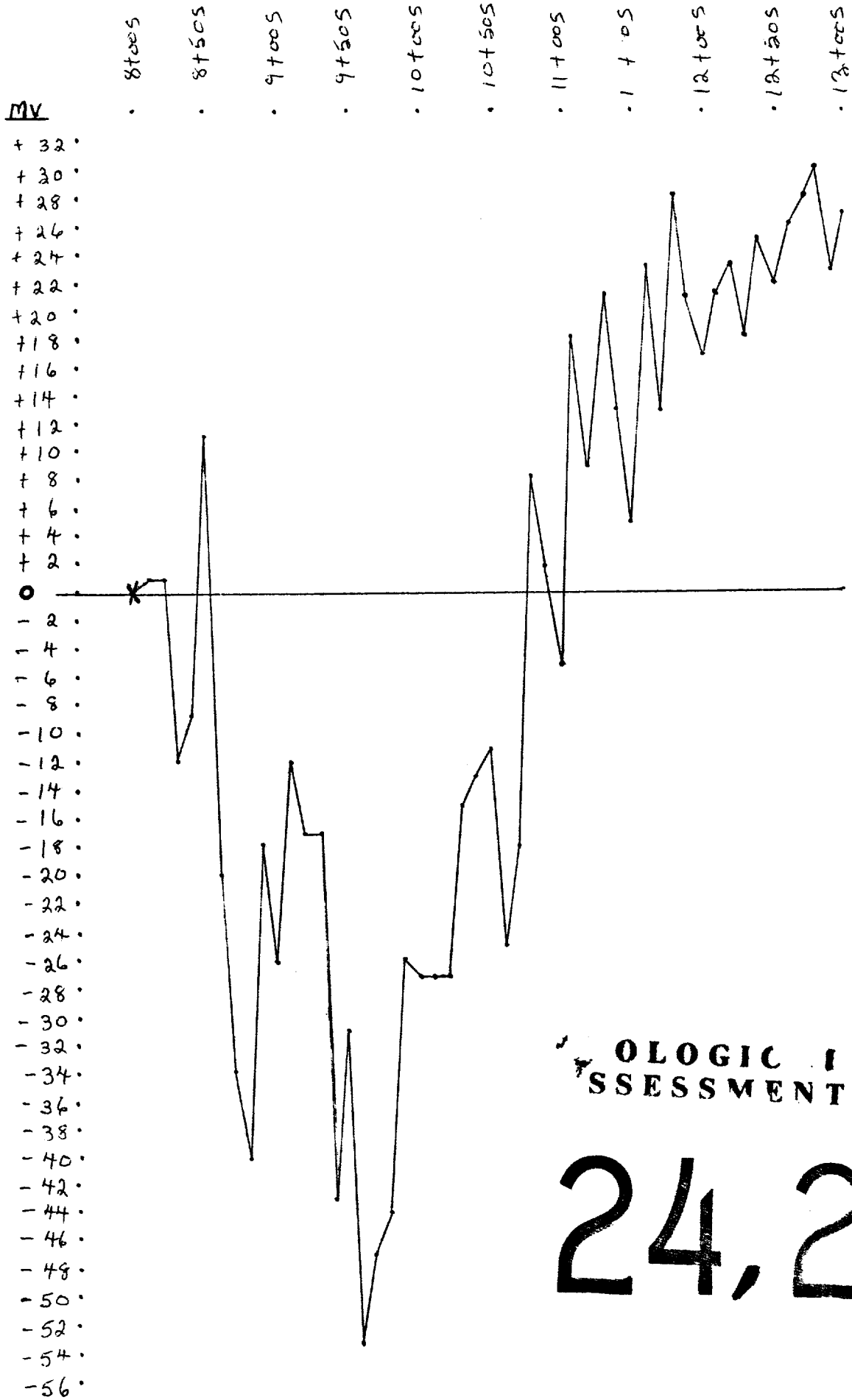
Self-Potential Geophysic

PROFILE

Line: 39+00E

(8+00S - 13+00S)

By: Khetan Patel, 1995



LEGEND

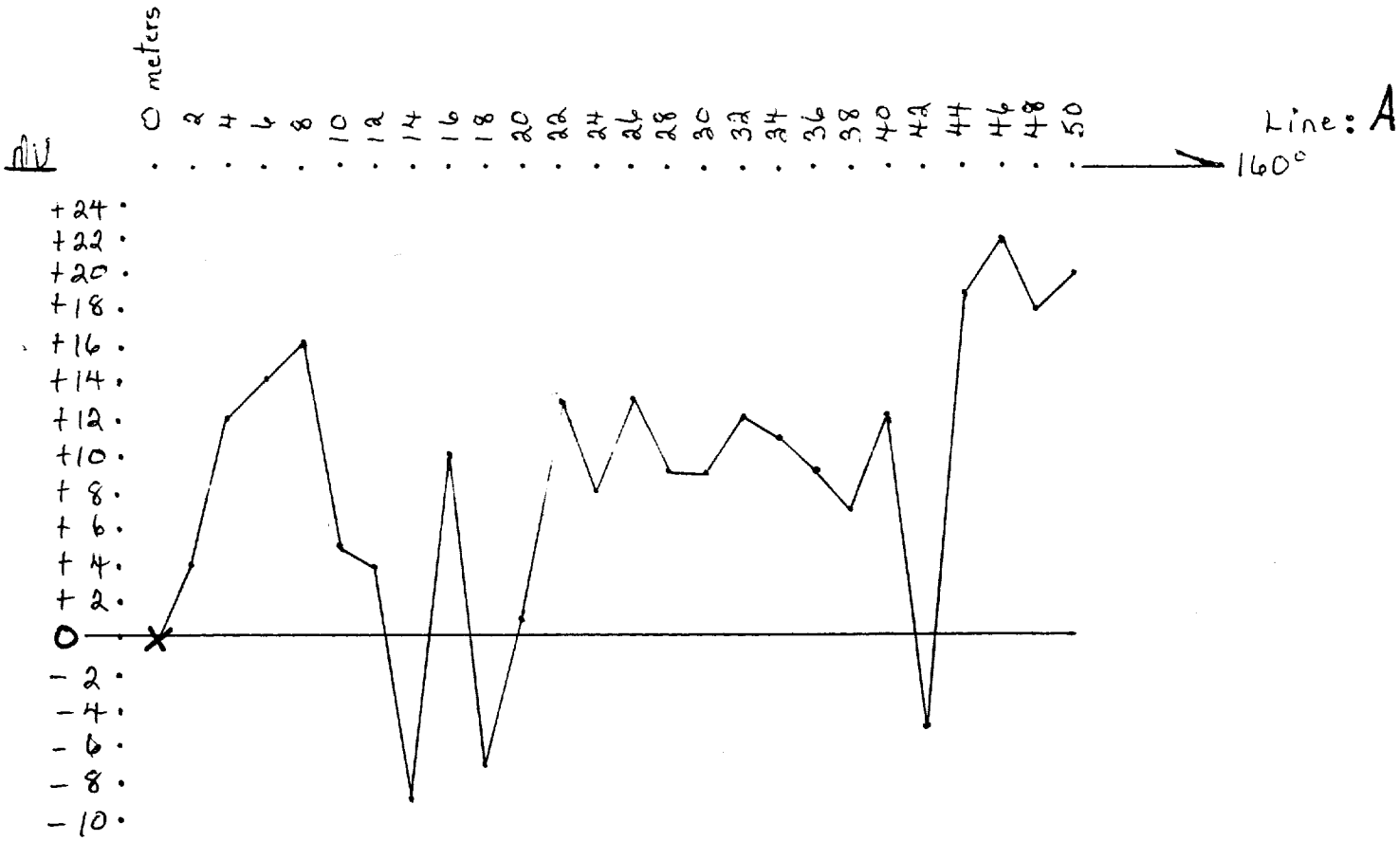
HOBSON 2 claim

BREW WEST zone

Self-Potential Geophysic PROFILE

Line: 40+00E (8+00S - 13+00S)

By: Sheldon Peterson, 1995



LEGEND

HOBSON 2 claim

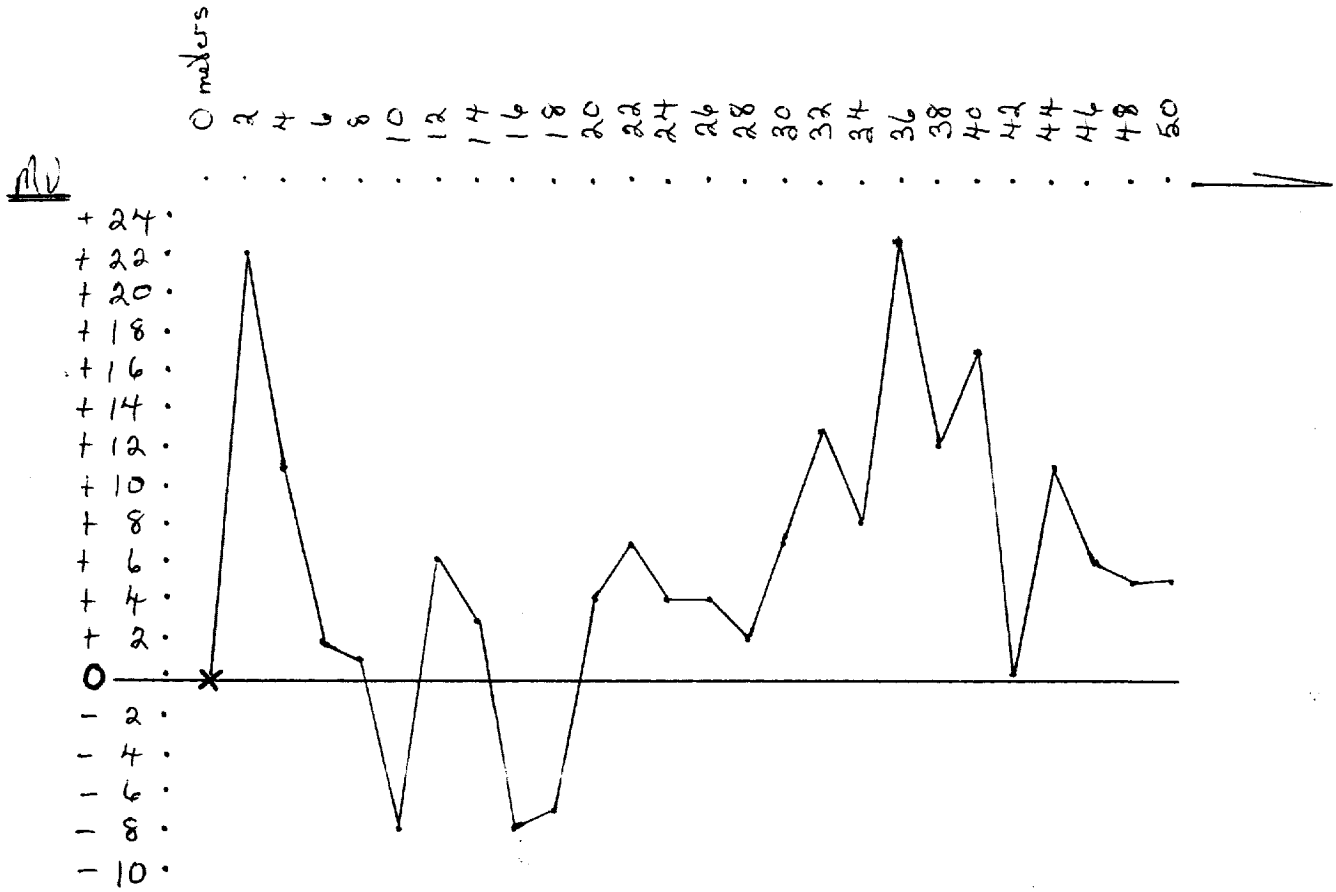
Brew West - UPPER MOTHER zone

Self - Potential

Geophysic PROFILE

Line: A @ 160°

By: [signature] Peterson, 1995



LEGEND

HOBSON 2 claim

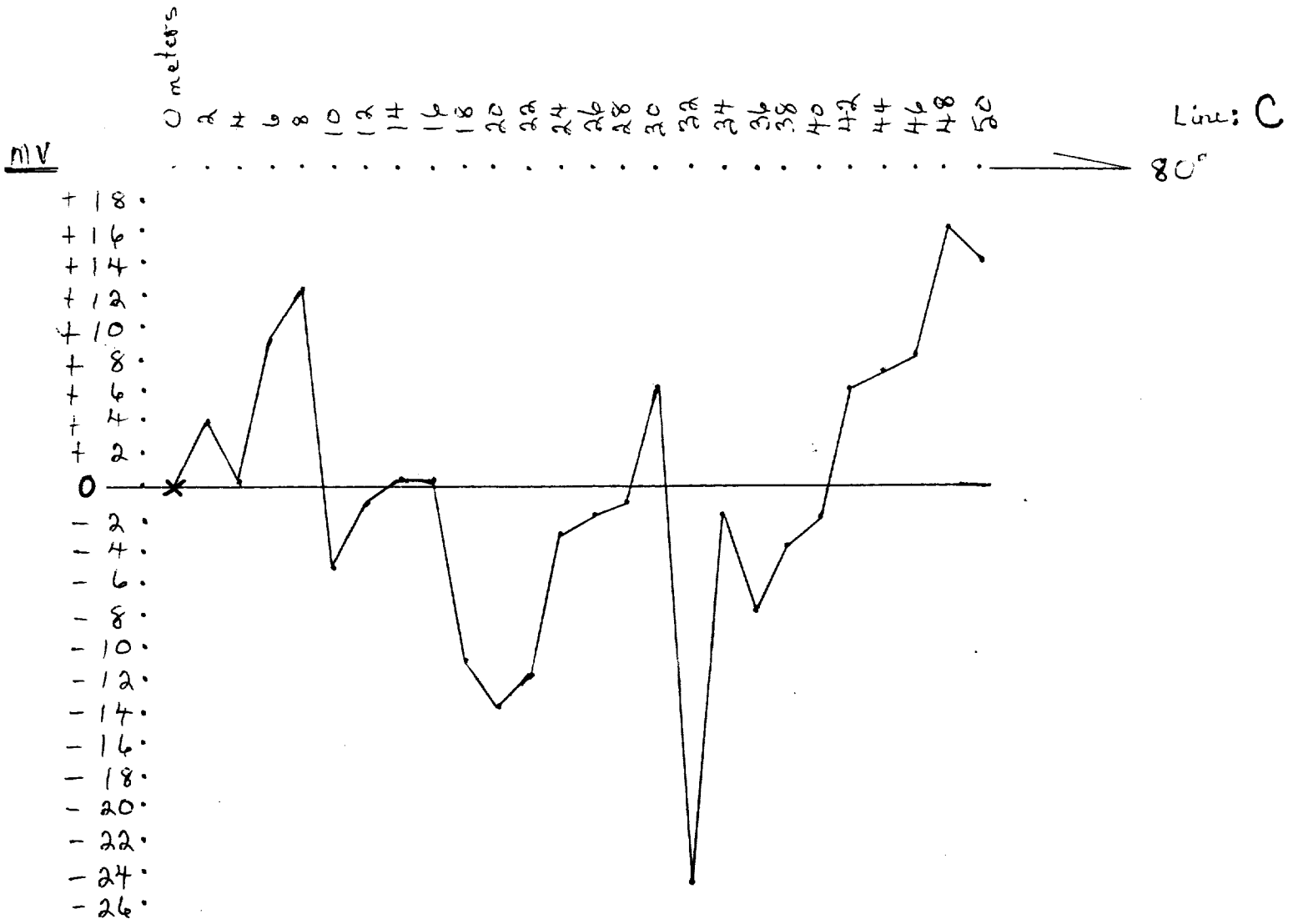
Brew West - UPPER MOTHER zone

Self-Potential

Geophysic PROFILE

Line: B @ 120°

By: Kheran Patterson, 1995



LEGEND

HOBSON 2 claim

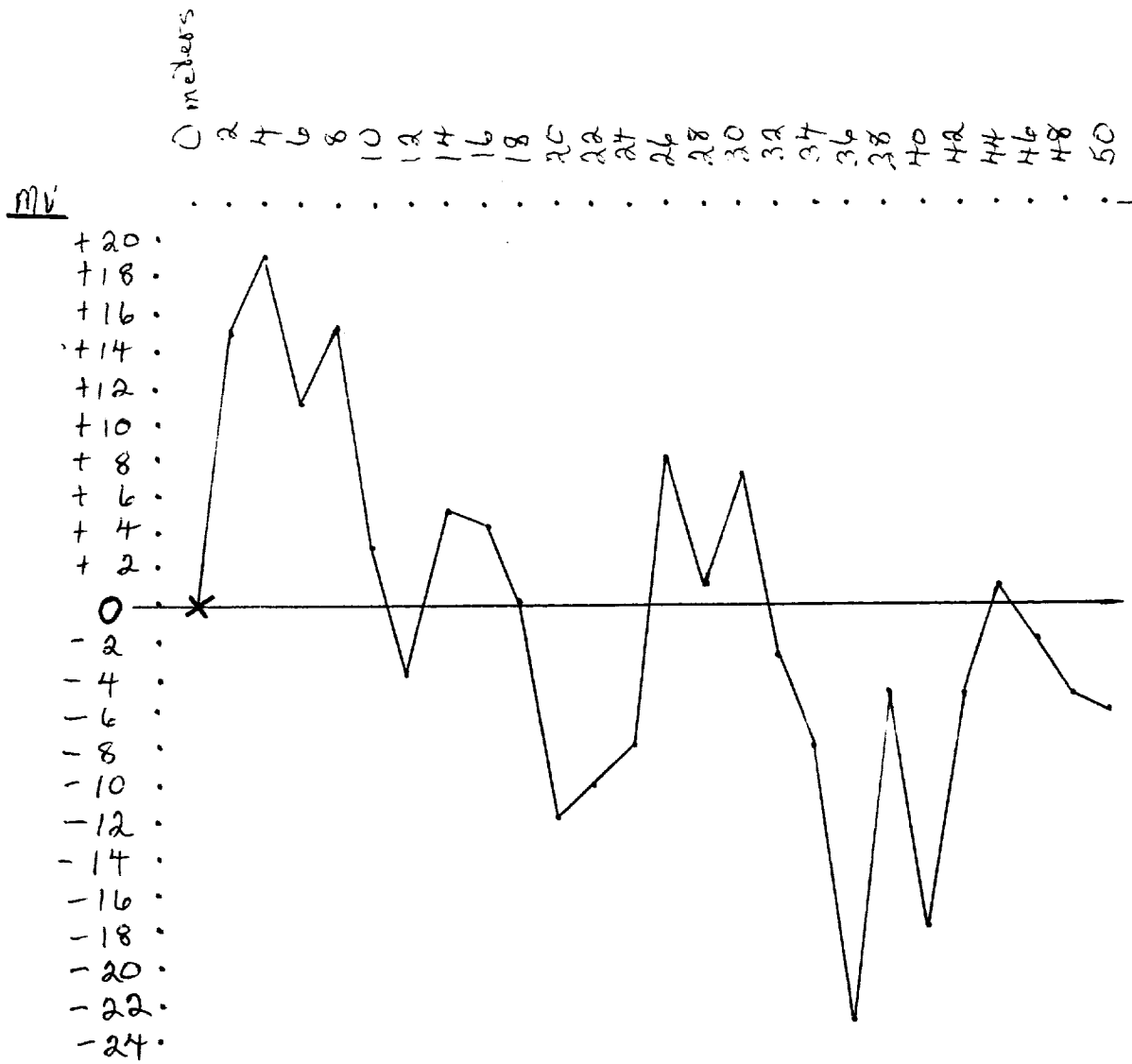
Brew West - UPPER MOTHER zone

self-Potential

Geophysic PROFILE

Line: C @ 80°

By: Kheran Patterson, 1995



LEGEND

HOBSON 2 claim

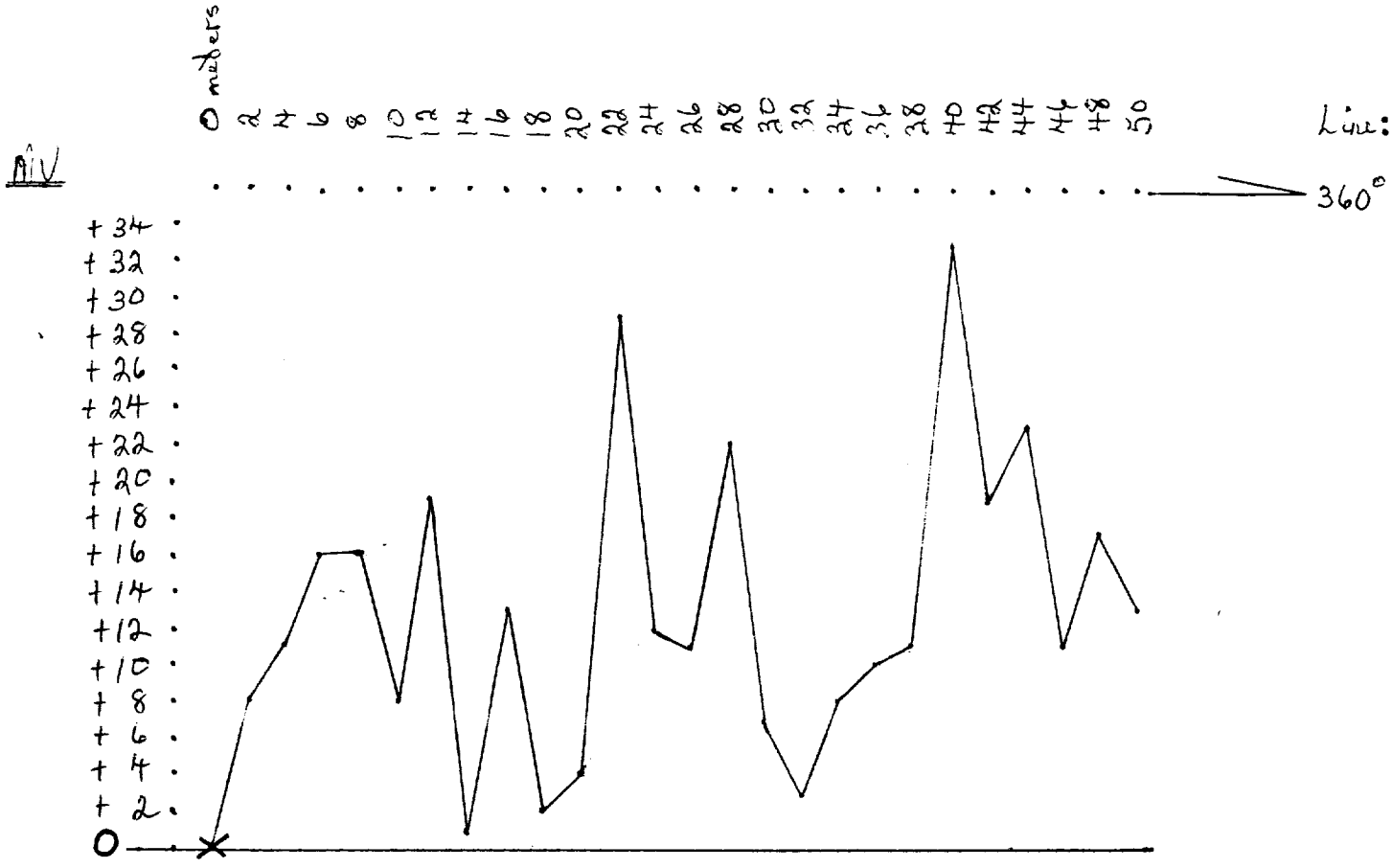
Brew West - UPPER MOTHER zone

self-Potential

Geophysic PROFILE

Line: D @ 40°

By: Thorsen Peterson, 1995



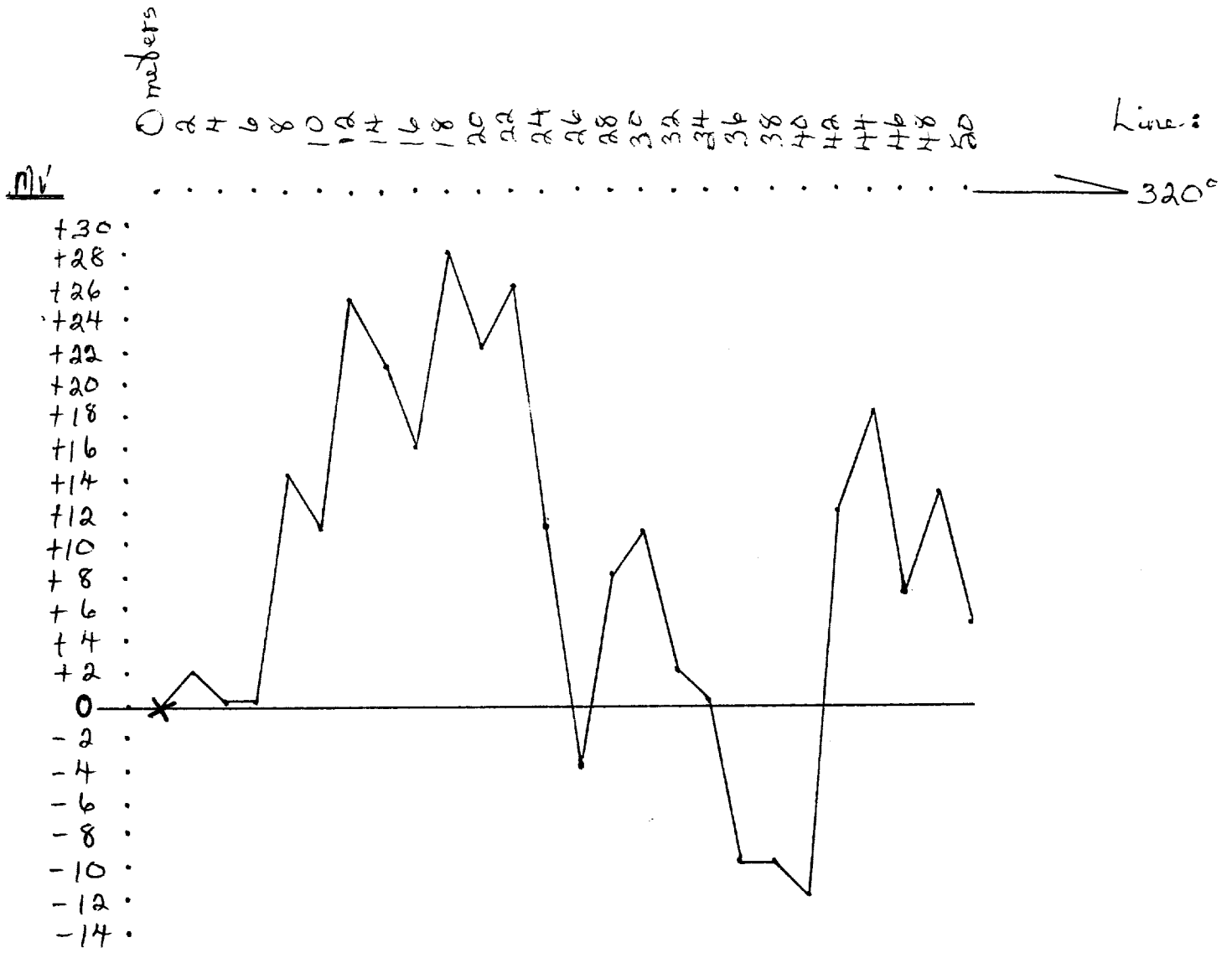
LEGEND

HOBSON 2 claim
Brew West - UPPER MOTHER zone

Self-Potential
Geophysic PROFILE

Line: E @ 360°

By: Adrian Patterson, 1995



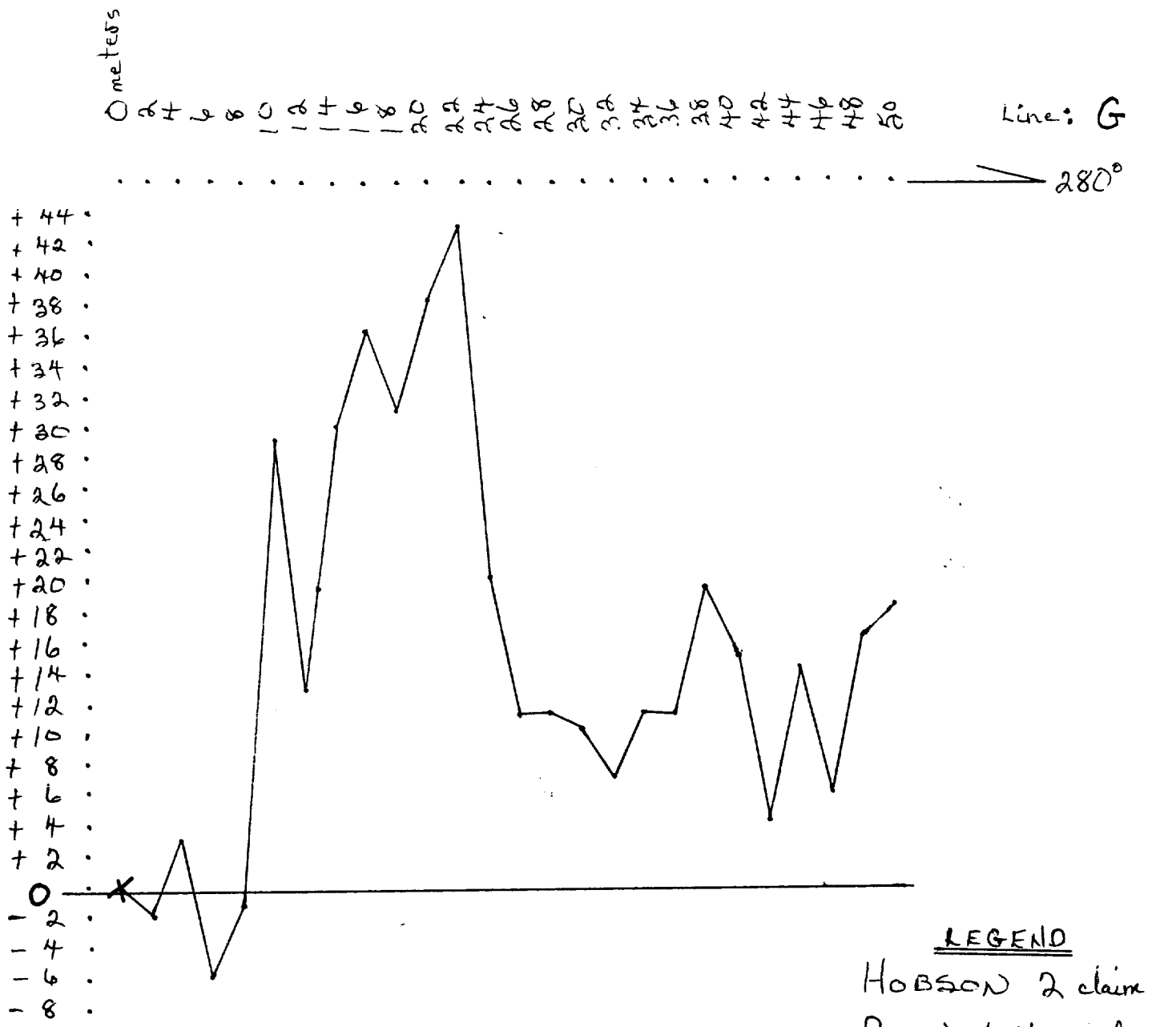
LEGEND

HOBSON 2 claim
Brew West - UPPER
MOTHER zone

Self-Potential
Geophysic PROFILE

Line: F @ 320°

By: Thomas Peterson, 1995



LEGEND

HOBSON 2 claim

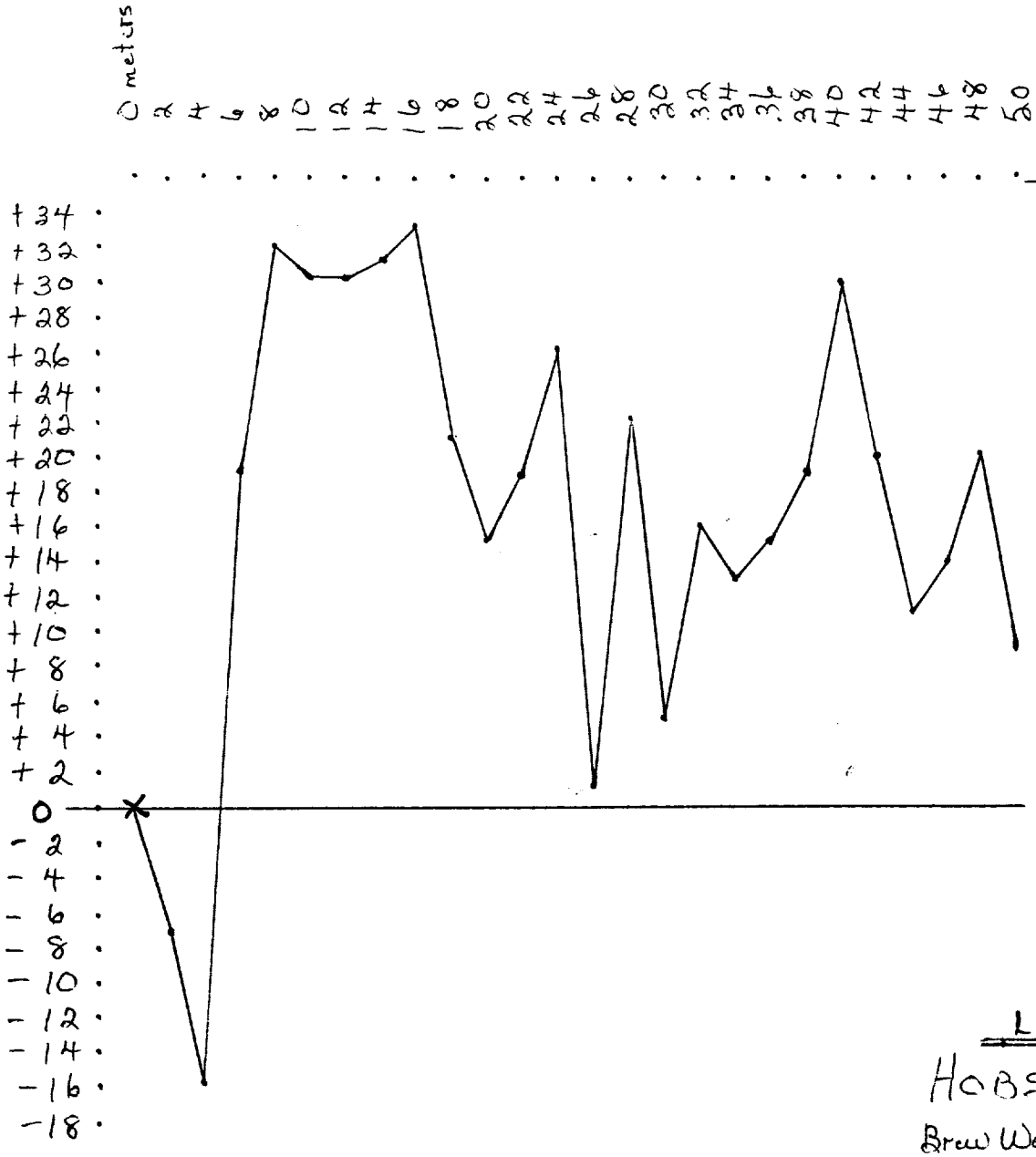
Brew West - UPPER MOTHER zone

Self-Potential

Geophysic PROFILE

Line: G @ 280°

By: Thetan Paterson, 1995



LEGEND

HOBSON 2 claim

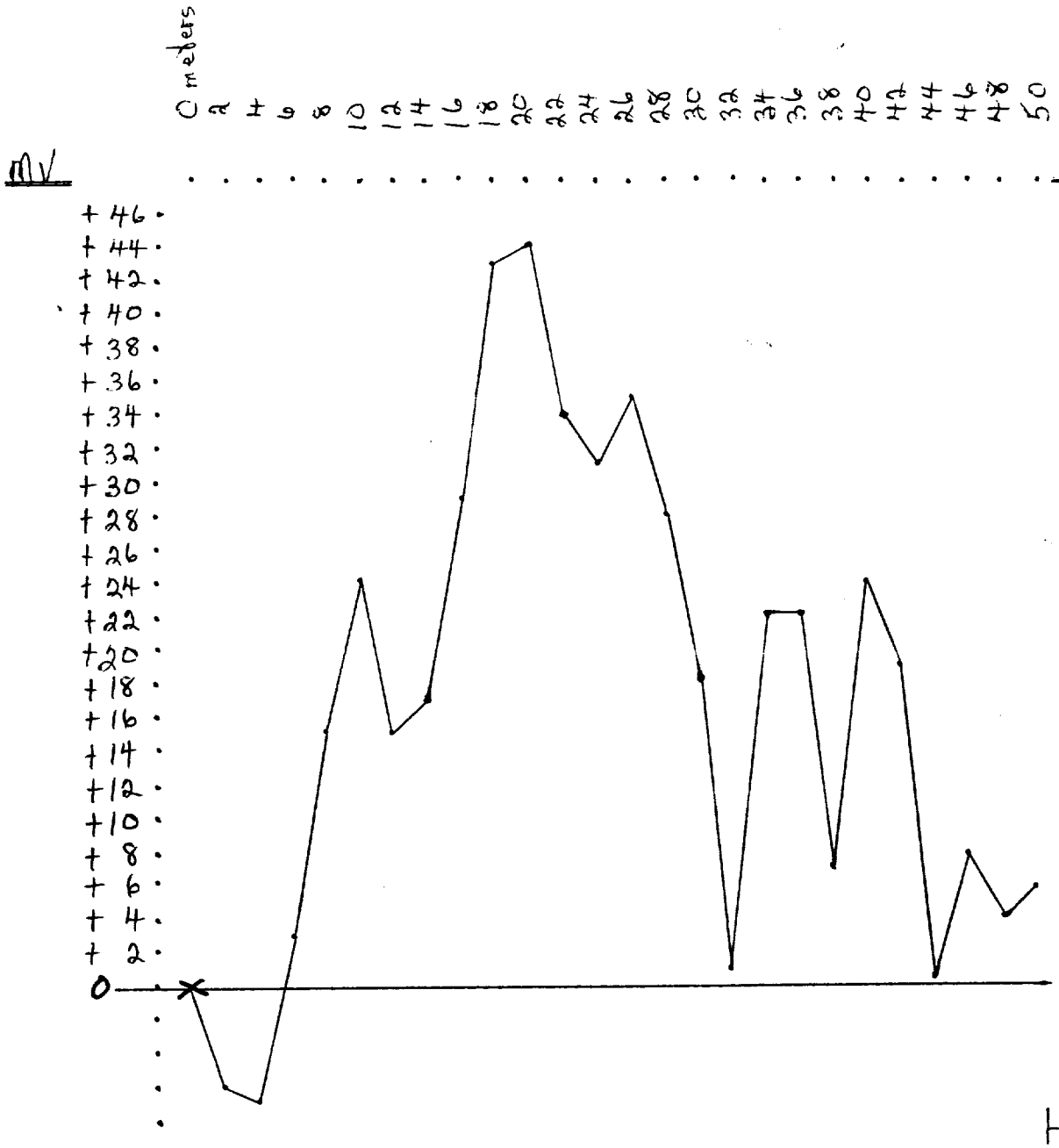
Braw West-UPPER MOTHER zone

Self-Potential

Geophysic PROFILE

Line: H @ 240°

By: Whelan Pattison, 1995



LEGEND

HOBSON 2 claim

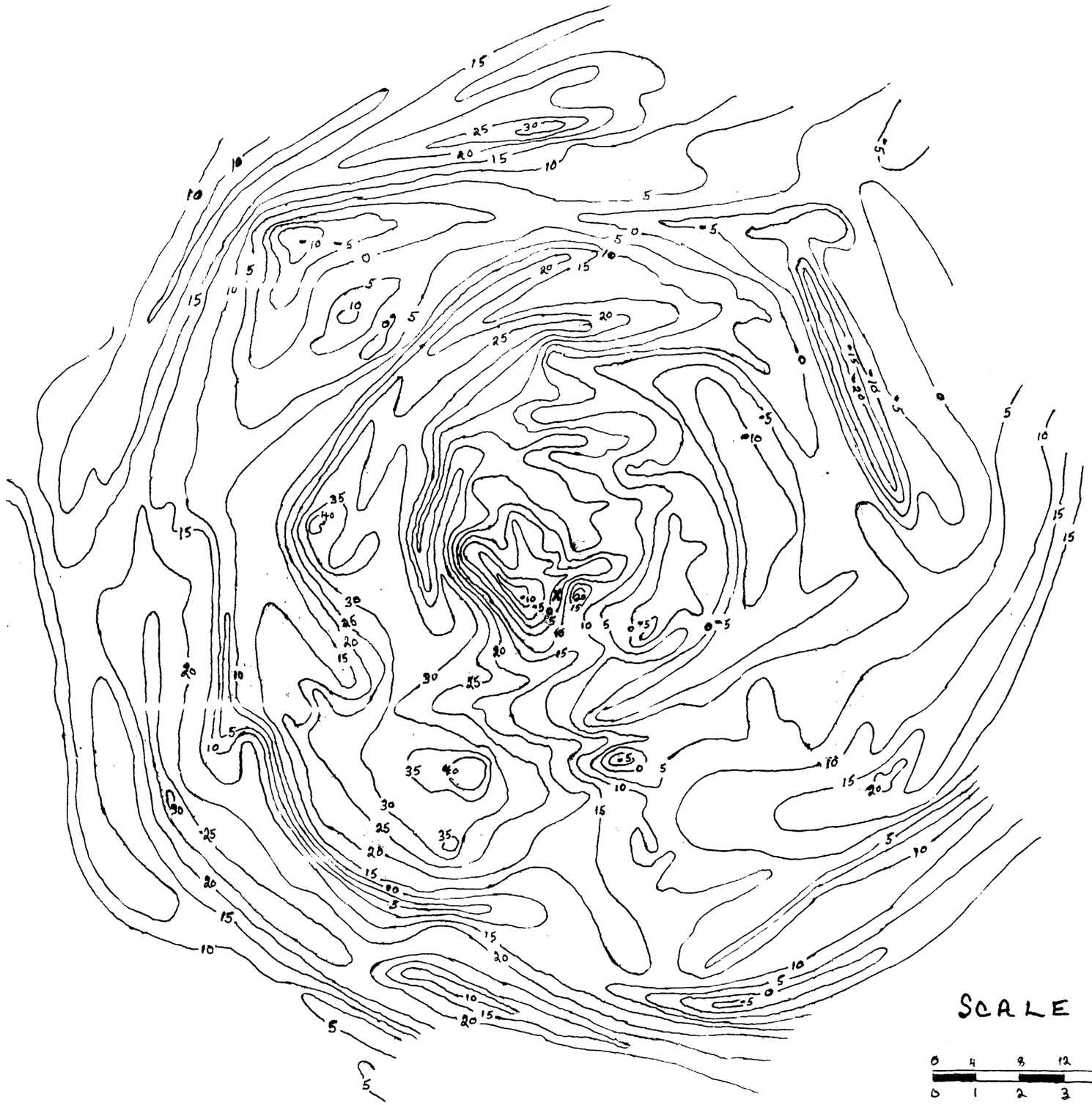
Brew West - UPPER MOTHER zone

Self-Potential

Geophysic PROFILE

Line: I @ 200°

By: Wheaton Paterson, 1995



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LEGEND

SPANISH CREEK PROPERTIES

Hobson 2 claim
NTS 93 A/11

UPPER MOTHER zone:

Self-Potential Geophysical Contour Map

Lines: A @ 160° / B @ 120° / C @ 80°
D @ 40° / E @ 360° / F @ 320°
G @ 280° / H @ 240° / I @ 200°

Contour Interval: 5 millivolts

X = start - Base Station

SCALE

0 4 8 12 16 meters
0 1 2 3 4 centimeters

By: Kieran Patterson, 1995

N

SCALE

0 2 4 6 8 meters
0 1 2 3 4 centimeters

LEGEND

SPANISH CREEK PROPERTIES
HOBSON 1 claim
NTS 93 A/11

OLD MARIPOSITE ZONE:

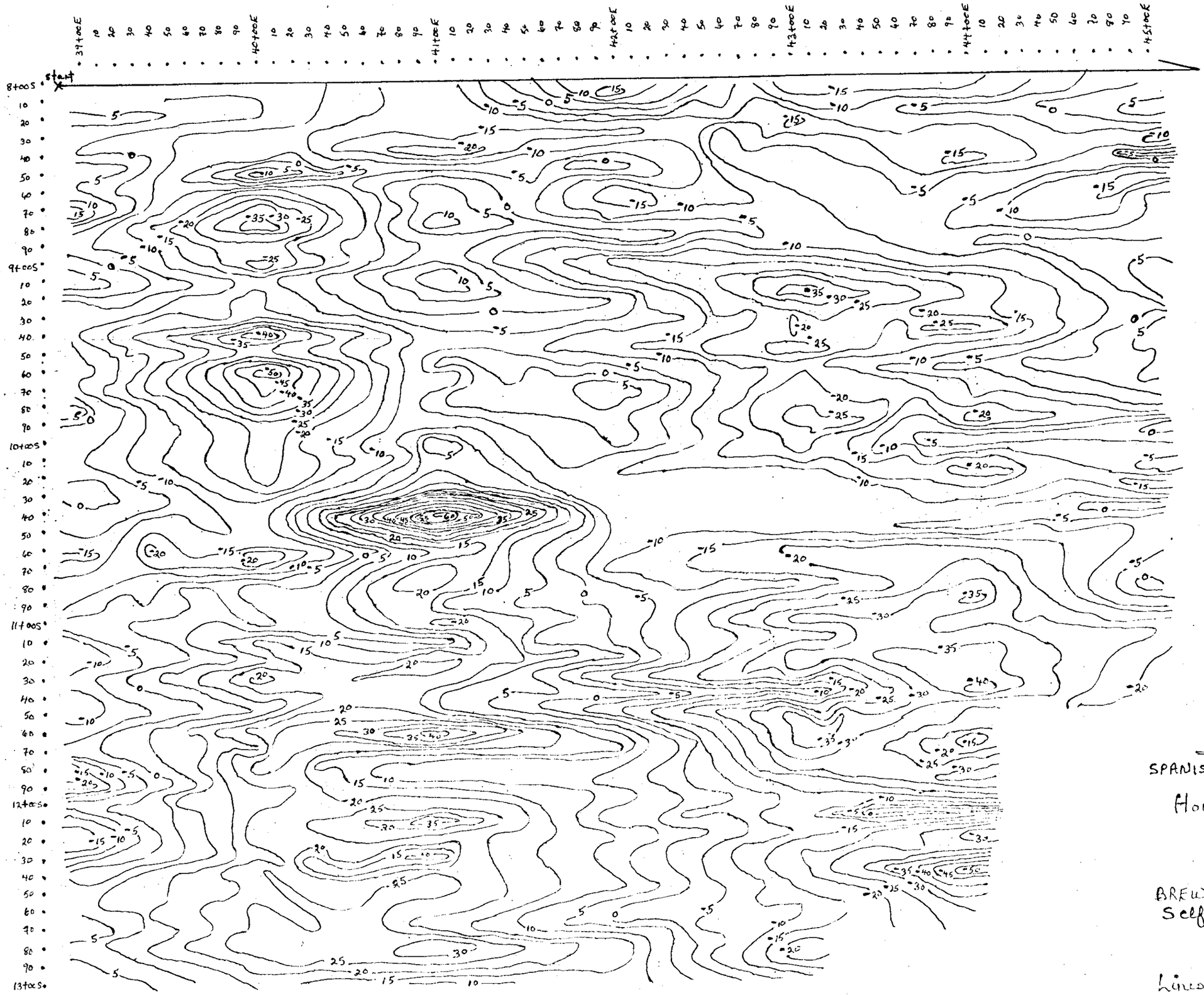
Self-Potential Geophysical Contour Map

Lines: N @ 90°/O @ 135°/P @ 180°/
R @ 270°/S @ 315°/T @ 360°

Contour Interval: 5 millivolts

X = start - Base Station

By: Alistair Patterson, 1995



SCALE
1: 2,000

0 20 40 60 80 meters

LEGEND

SPANISH CREEK PROPERTIES

Horson 2 claim

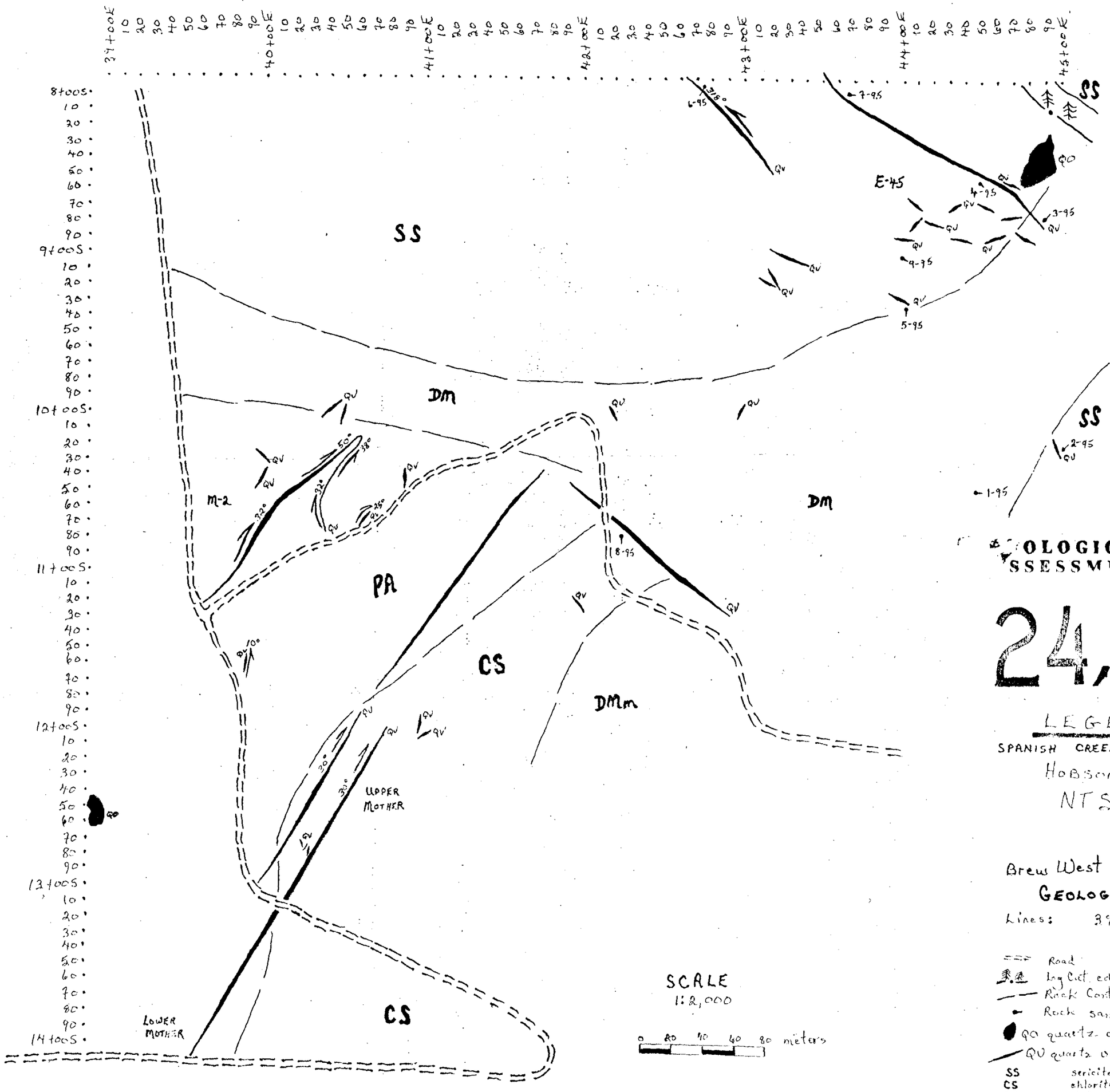
NTS 93 A/11

BREW WEST:
Self-Potential Geophysical Contour Map

Lines: 39+00E - 45+00E
(8+00S - 13+00S)

Contour Interval: 5 millivolts

By: Kherian Patterson, 1995



LEGEND

SPANISH CREEK PROPERTIES

Hobson 2 claim

NTS 93 A/11

Brew West zone:

GEOLOGIC MAP

Lines: 39+00E - 45+00E
(8+00S - 14+00S)

- Road
- Log Cut edge
- Rock Contact
- Rock sample site
- QQ quartz outcrop
- QV quartz vein

SS	sericite schist
CS	chlorite schist
DM	dolomite
DMm	dolomitic mass with mariposite
PA (shear)	pyrite alteration

By: Sheran Paterson, 1995