

85-876-14577

07/11/86

GEOCHEMICAL SURVEY REPORT
on the

HOBSON CLAIM GROUP

Cariboo Mining Division

NTS 93 A/11

(Longitude 52 deg. 34', Latitude 121 deg. 16')

(A & B Log Blocks)

FILMED

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,577

Dec. 14/84.

SHINEY MINERAL EXPLORATIONS
BOX 422
150 MILE HOUSE, B.C.
26-4402 VOK 2G0

07/11/86

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INTRODUCTION

The Hobson Claim Group is located on NTS map No. 93 A 11/W, with access from Likely. On the northern border of Likely, turn east on the Spanish Lake road (1300 forestry road) and travel to kilometer 1317½, then turn right just before the forestry camp. Travel on to kilometer 1320, then turn north up the east side of upper Spanish Creek on the Big Eye road. (Fig. 1)

This area has been mostly logged and has good access roads on both sides of Spanish Creek.

2. MINERAL CLAIMS

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Anniversary Date</u>
Lost Cabin	3901	3	Aug. 14
Luck	3902	6	Aug. 14
Goldilooks	3929	6	Sept. 2
TopHat	4077	3	Oct. 5
Ubet	4076	12	Oct. 9
Silverbell	4078	18	Oct. 5
More	6022	6	May 9

- the claims grouped as the Hobson Claim Group, are all owned by: Merle Matherly, Sheran Paterson, & Ted Benz

3. TOPOGRAPHY & GEOLOGY

The Hobson Claim Group is located in hilly terrain sloping southwards. The soil sampling grid covers two large log blocks, A & B respectively, on an eastern flank rising directly from upper Spanish Creek. The 1300 forestry road travels eastwards through the southern-most parts of A & B log blocks. (Fig. 1)

The large majority of samples collected, were from B soil horizons, with only just a few from A soil horizons. Rocky glacial till appeared to be the parent material in which a large amount of fragmental rock, distributed throughout, suggested a possible local source.

Rock exposures observed during the grid were mostly sericite and chlorite schists, and in the southwest portions of A log block, volcanic breccia was noted.

4. SOIL SURVEY

FIELD METHODS:

Bloom (Pb) and Holman (Cu.) field testing was applied at 100m. intervals, covering all of A & B log blocks. Follow-up soil samples were collected from the largest, Bloom & Holman tested, anomaly in each log block. The 50m. soil grid followed a north-south, east-west compass direction. Sample depth in the mostly B horizon soils, averaged 6cm. - 40cm., where the shallow depths were most common. Standard soil sample bags were used to collect the samples. Survey control was by chain and compass.

A & B log blocks (Fig. 1-2)

ANALYTICAL METHODS:

- A) Holman (copper) test - (A log block - Fig. 4)
 .. - (B log block - Fig. 9)

- with prepared reagents

1. 1 level spoonful of soil or sediment was placed in a clean test tube
2. 5ml. of Holman buffer (acid hydroxylamine hydrochloride-citrate) was then added

3. 1ml. of the 0.002% working solution (an organic phase of benzene or toluene containing a green coloured organic dye, dithizone, determines the copper concentration) was added
4. the test tubes were stopped & then shaken 50 times. When the benzene floated to the top of liquid, colour of dithizone solution was read
5. if colour of solution was other than neutral; 1ml. of dithizone-benzene, at a time, was added & then shaken 15 times, until the neutral colour was obtained. If a neutral colour wasn't obtained at 70ml. of dithizone-benzene, the high number value & solution colour was noted
6. contents of test tubes were then discarded & tubes were washed for each new sample

B) Bloom (THM - zinc, lead, copper) test - (A log block - Fig. 3)
- (B log block - Fig. 8)

- with prepared reagents

1. 1 level spoonful of soil or sediment was placed in a clean test tube
2. 5ml. of Bloom buffer (alkaline hydroxylamine hydrochloride-citrate) was then added
3. 1ml. of the 0.002% working solution (an organic phase of benzene or toluene containing a green coloured organic dye, dithizone, determines the lead, zinc, copper concentration) was added
4. the test tubes were stopped & then shaken 50 times. When the benzene floated to top of liquid, colour of dithizone solution was read
5. if colour of solution was other than neutral; 1ml. of dithizone-benzene, at a time, was added & then shaken 15 times, until the neutral colour was obtained. If a neutral colour wasn't obtained at 70ml. of dithizone-benzene, the high number value & solution colour was noted
6. contents of test tubes were then discarded & tubes were washed for each new sample

ANALYSIS:

All soil samples were analysed at, PLACER DEVELOPMENT Ltd., assay laboratory, where they were determined for: lead, zinc, copper, silver, gold.

- Soil Results: A log block - zinc (Fig. 5)
- lead (Fig. 6)
- copper (Fig. 7)
- B log block - zinc (Fig. 10)
- lead (Fig. 11)
- copper (Fig. 12)
- silver (Fig. 13)

5. STATEMENT of EXPENDITURES

Geochemical Soil Survey; Hobson Claim Group, 1984

1) Field Work -			
M. Matherly, S. Paterson			
Oct. 11-22, Nov. 23-25	<u>104 hr.</u>	@ \$20.00/hr. x 2 men	= \$4,160.00
2) Soil Analysis -	<u>66</u>	soils @ \$7.50/sample	= \$ 495.00
3) Report Preparation & Supervision -			
S. Paterson			
Nov. 30-Dec. 7	<u>40 hr.</u>	@ \$20.00/hr.	= \$ 800.00
4) Supplies & Materials -			= \$ 300.00
5) Vehicle -			
1984 Ford Ranger, 4x4 -	<u>13 days</u>	@ \$50.00/day	= \$ 650.00
6) Food -	<u>13 days</u>	@ \$40.00/day x 2 men	= \$1,040.00
7) Accommodations -	<u>13 days</u>	@ \$35.00/day x 2 men	= \$ 910.00
		
		TOTAL COST =	<u>\$8,355.00</u>

6. CONCLUSIONS

The zinc, lead, and copper values show scattered distributions, probably due to glacial till dispersion. More geochemical sampling is required, east and particularly north, of the present grid, to define probable bedrock source areas.

MERLE MATHERLY,
SHERAN PATERSON,
Owners & Operators,
SHINEY MINERAL EXPLORATIONS

7. STATEMENT of QUALIFICATIONS

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

- 1) We are prospectors
- 2) We have attended - the Prospector's Course at Cariboo College, 1979, (instructor - Gary Bysouth, senior geologist, Gibraltar Mines Ltd., McLeese Lake, B. C.)
- 3) We have completed the Advanced Mineral Exploration Course for Prospectors - Ministry of Energy, Mines & Petroleum Resources (B. C.):
 - Merle Matherly, at David Thompson University Center, Nelson, B. C. in - 1981
 - Sheran Paterson, at Northwest College, Terrace, B. C. in - 1982
- 4) We have also taken Mineralogy 12: Ministry of Education (B. C.)
- 5) From 1978 to the present, we have been actively engaged in field exploration
- 6) We have been personally involved in this geochemical testing & sampling grid program, and have organized the results.

.....
MERLE MATHERLY
SHERAN PATERSON

Fig. 1

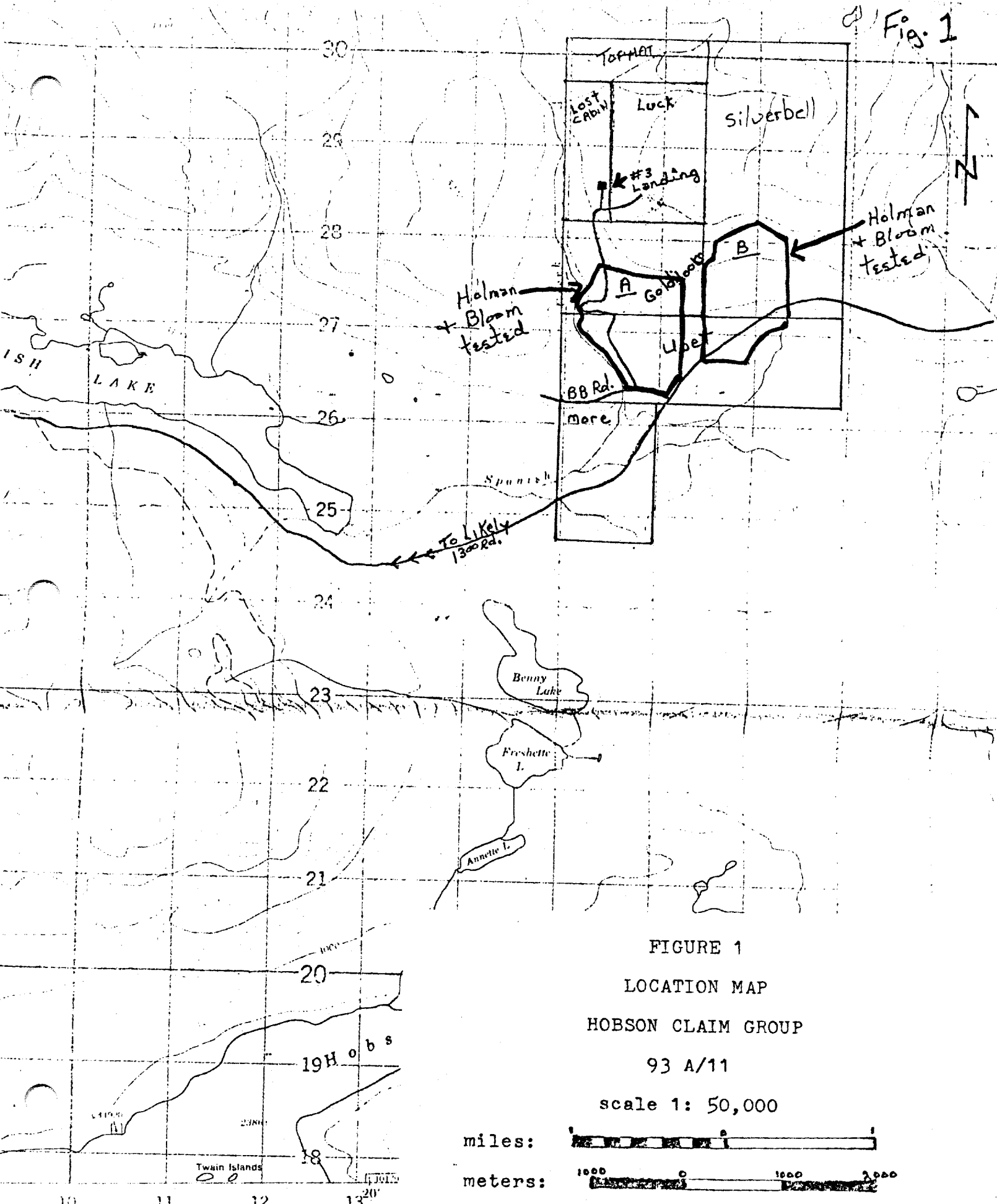
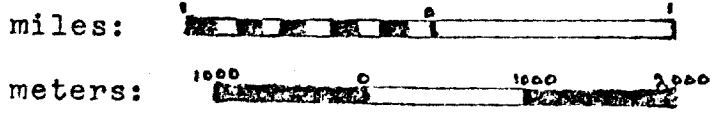
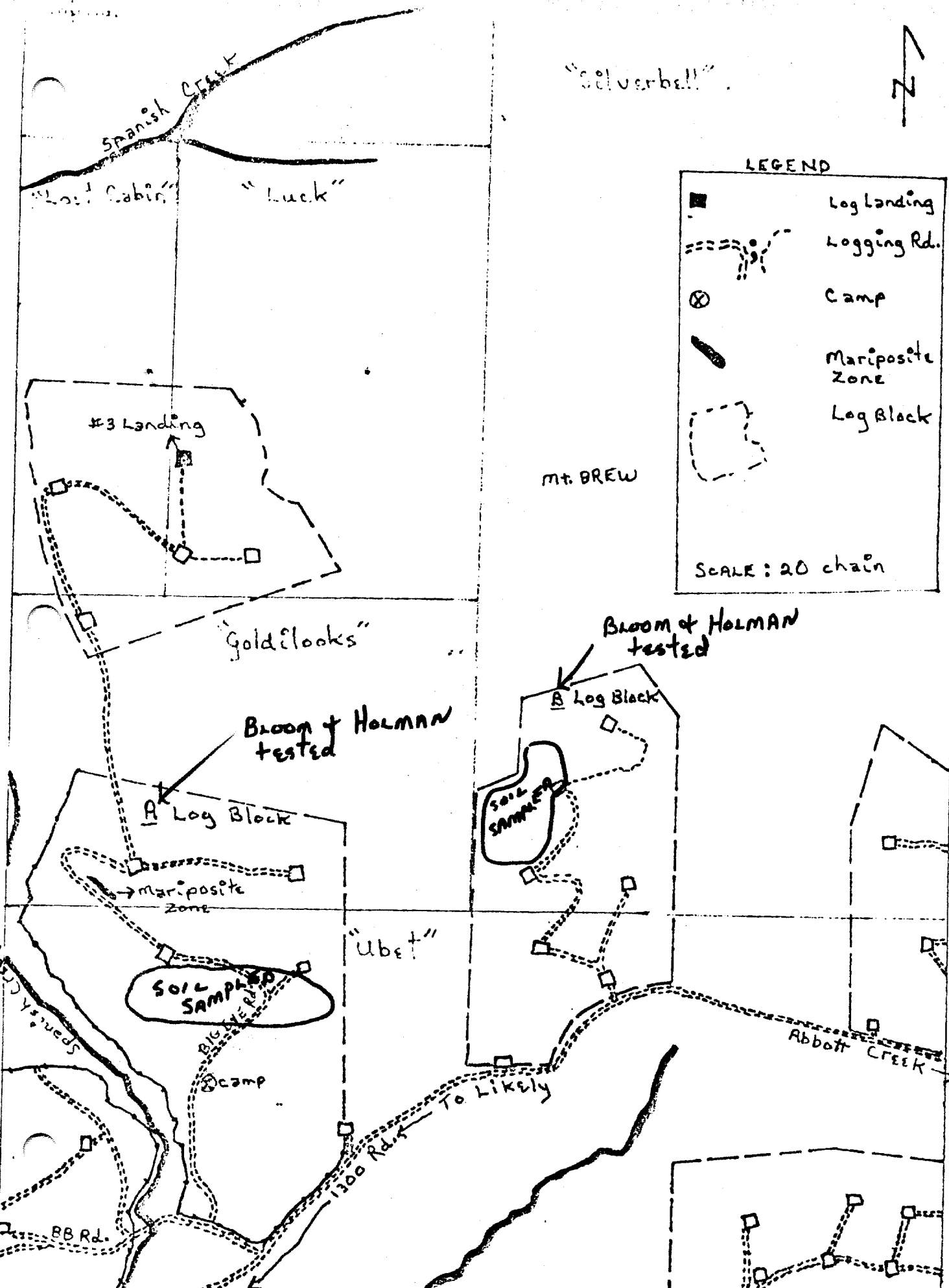


FIGURE 1
 LOCATION MAP
 HOBSON CLAIM GROUP
 93 A/11
 scale 1: 50,000





LEGEND

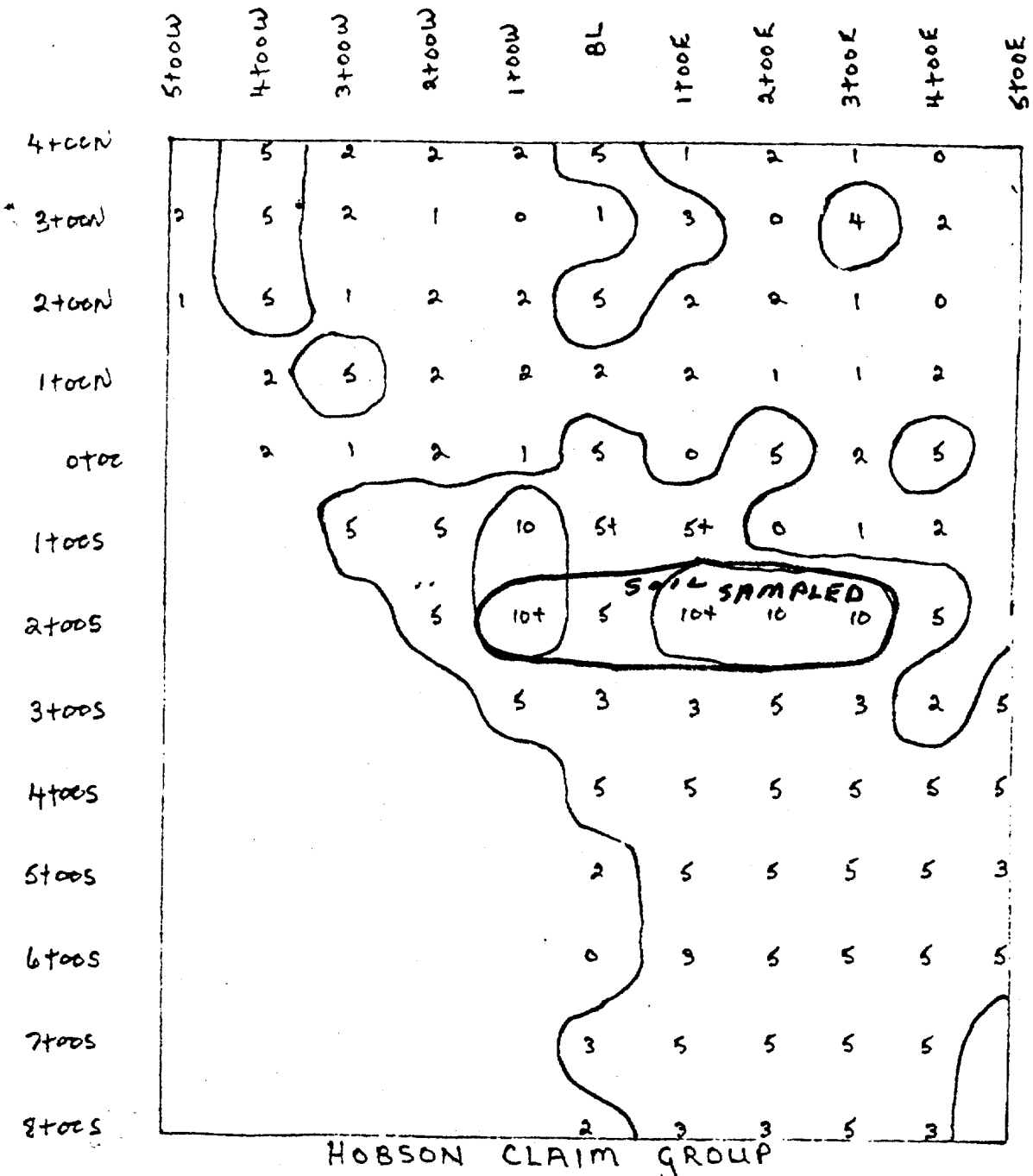
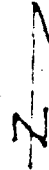
- Log Landing
- Logging Rd.
- ⊗ Camp
- Mariposite Zone
- Log Block

SCALE: 20 chain

HOBSON CLAIM GROUP

Location of A+B Log Blocks Sample Area

Fig. 3

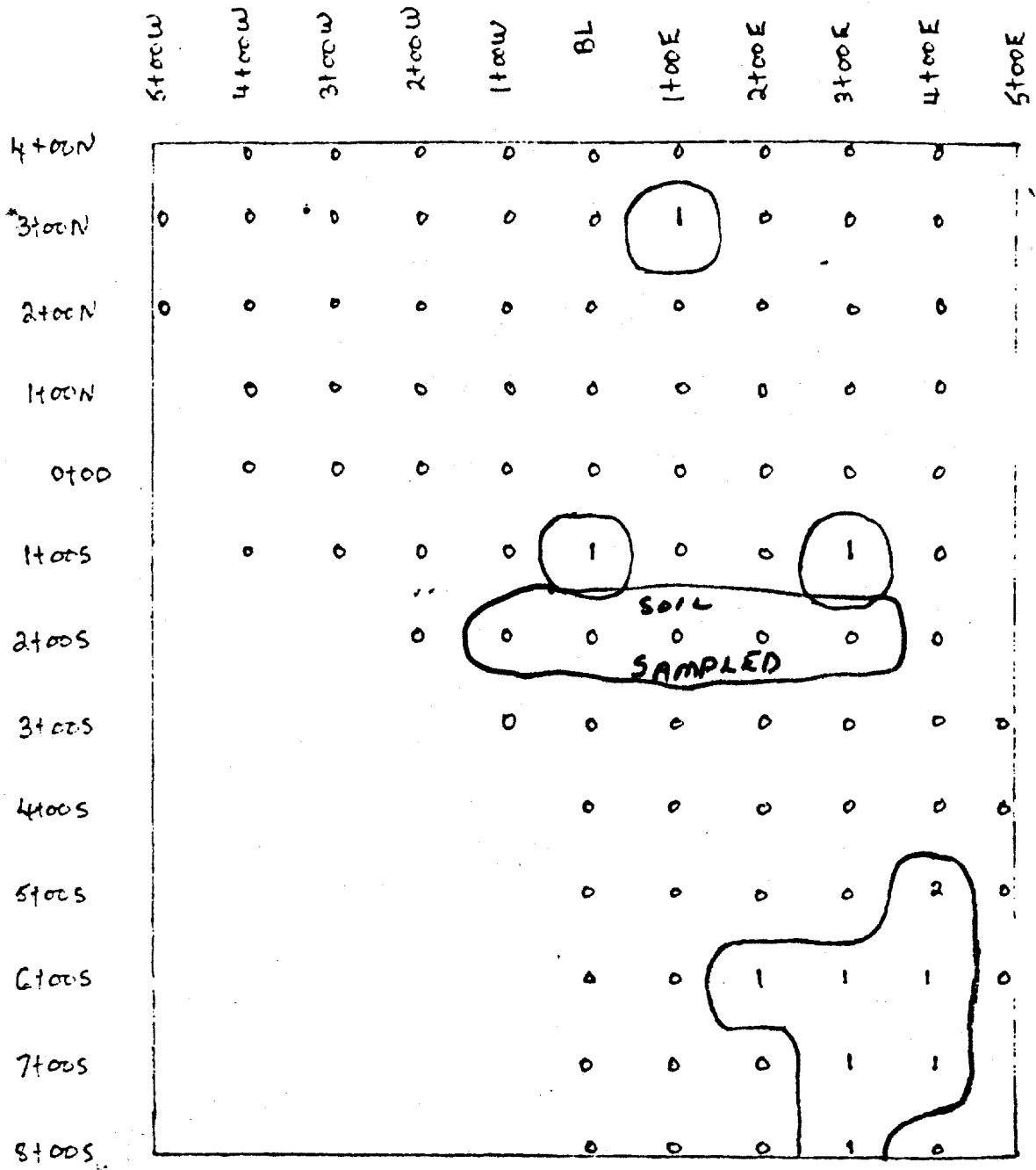
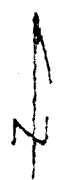


HOBSON CLAIM GROUP

GEO CHEM SURVEY
(7M - Bloem)
100m. grid

A Log Block
(Ubet + Goldilocks
claims)
1984

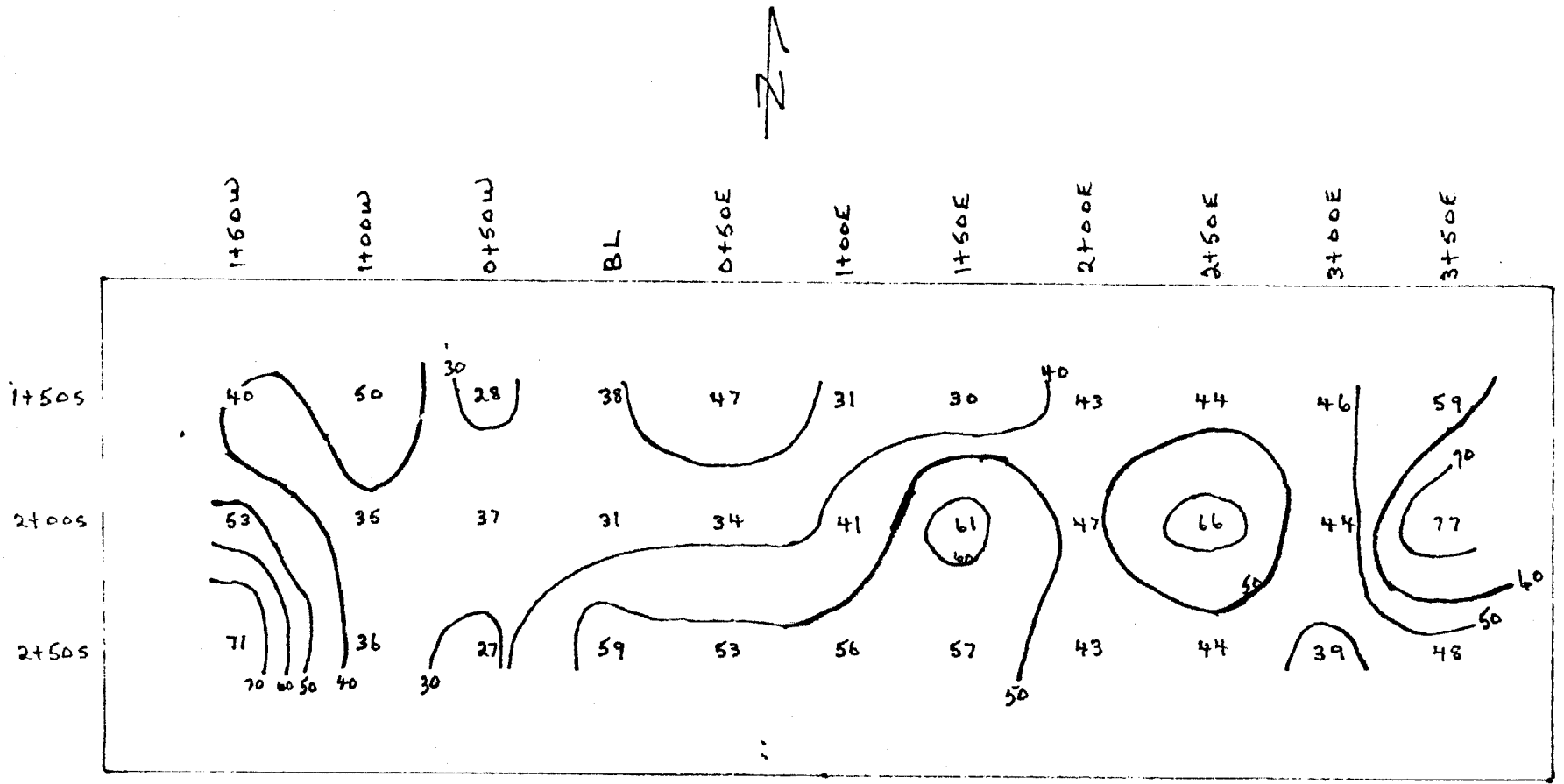
Fig. 4



HOBSON CLAIM GROUP

GEO CHEM SURVEY
 (Holman - Cu.)
 100m. grid
 A Log Block (Ubit + Geldilocks claims)
 1984

Fig. 5



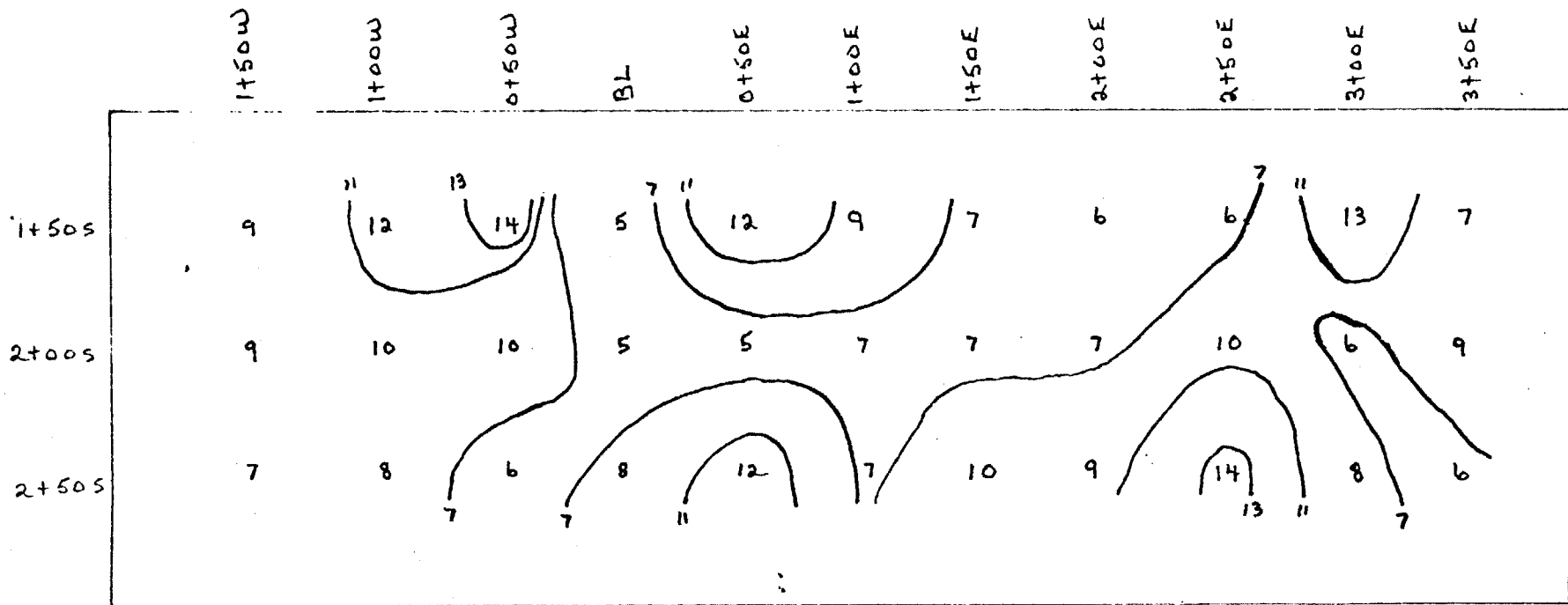
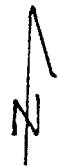
Hobson Claim Group

Zn. - zinc (pp.m.)
 Geo Chem Soil Survey
 (50m. grid)

A Log Block
 (Ubet + Goldilocks claims)

By: Sharan Paterson
 1984

Fig. 6



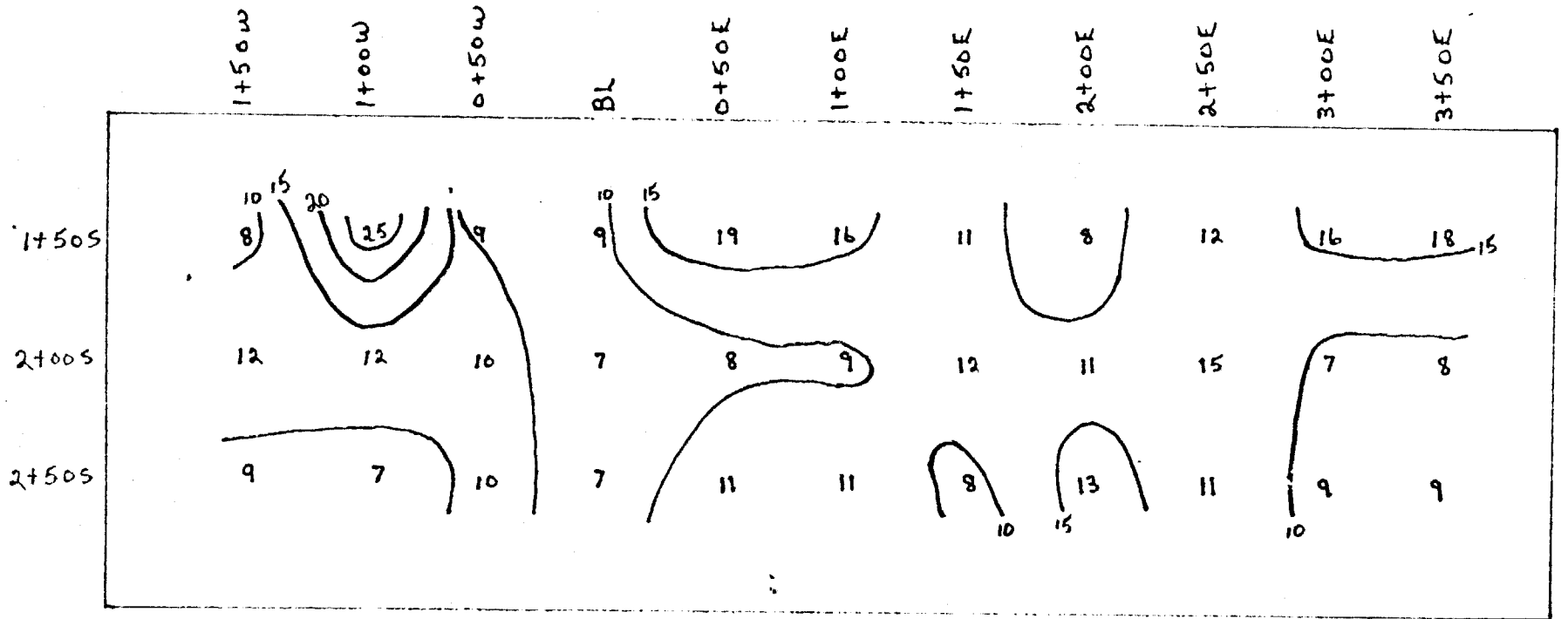
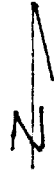
Hobson Claim Group

Pb. - lead (p.p.m.)
Geo Chem. Soil Survey
(50m. grid)

A Log Block
(Ubit + Goldilocks claims)

By: Adrian Paterson
1984

Fig. 7



Hobson Claim Group

Cu. - copper (p.p.m.)

Geo Chem Soil Survey
(50m. grid)

A Log Block
(Ubst & Goldilocks claims)

By: Shuan Paterson

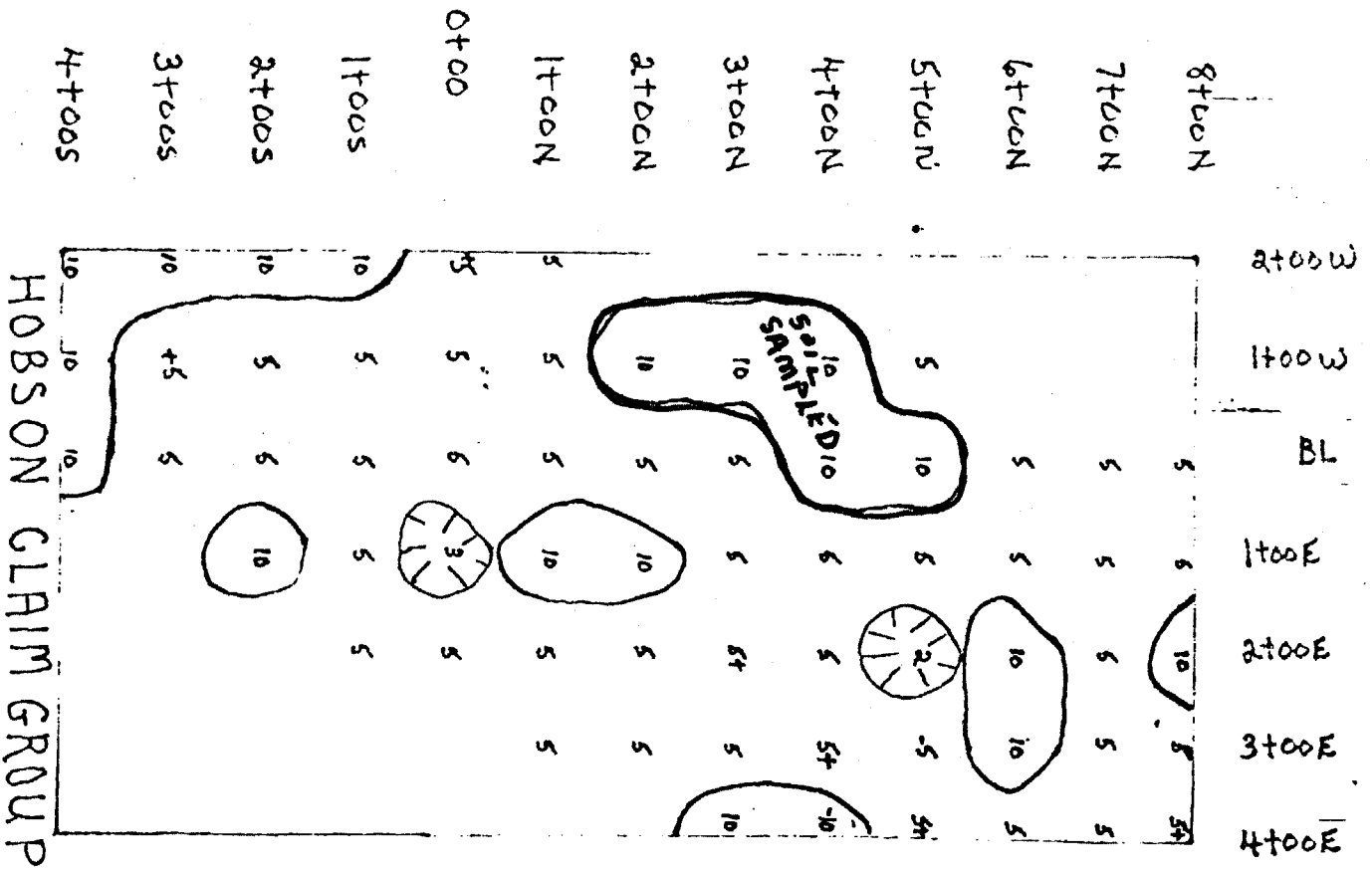


Fig. 8

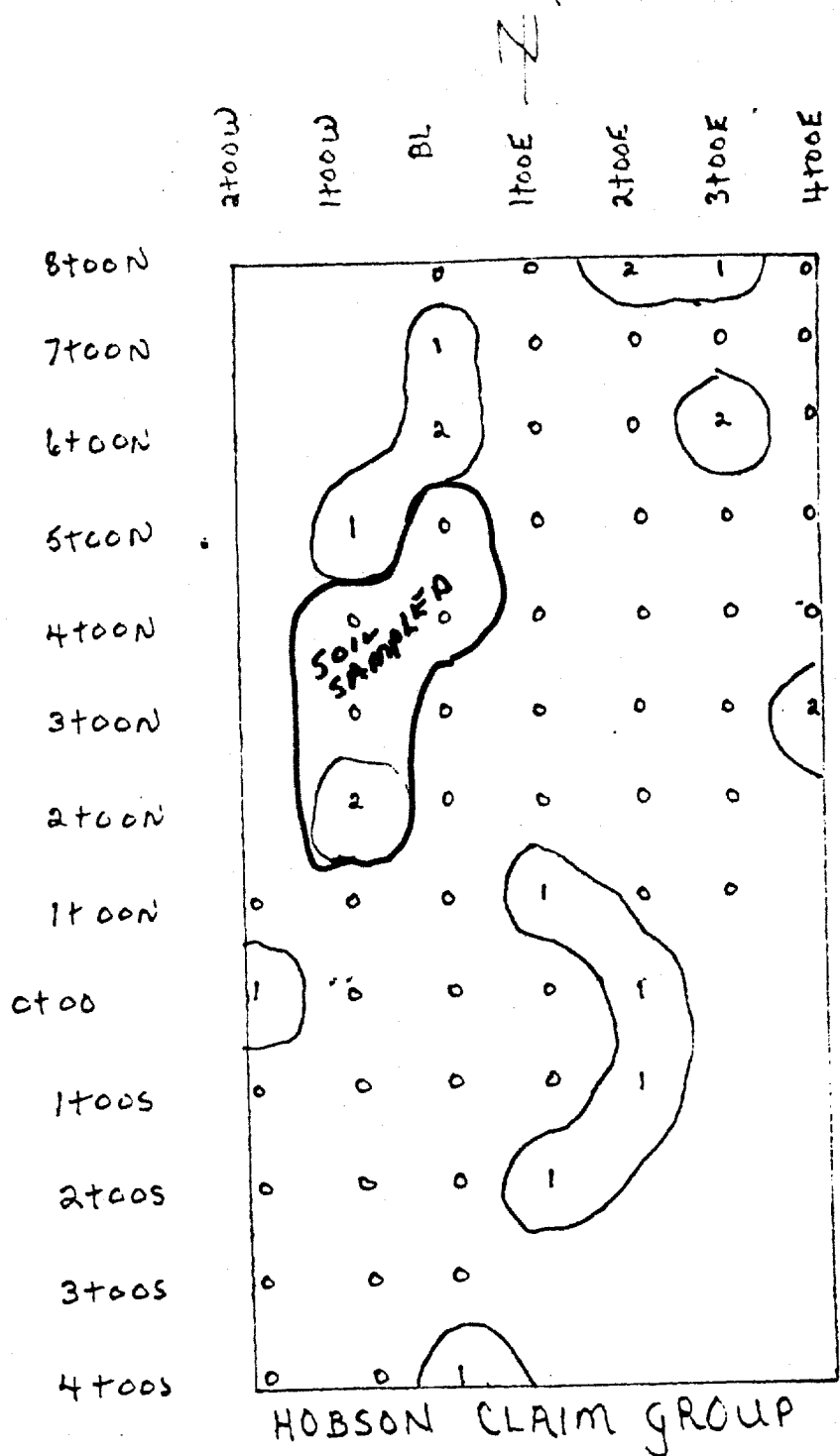
HOBSON CLAIM GROUP

GEO CHEM SURVEY
(TMM - Bloom)
100m. grid

B Log Block
(Ubet + Silverbell claims)

By: Sharon Paterson

Fig. 9

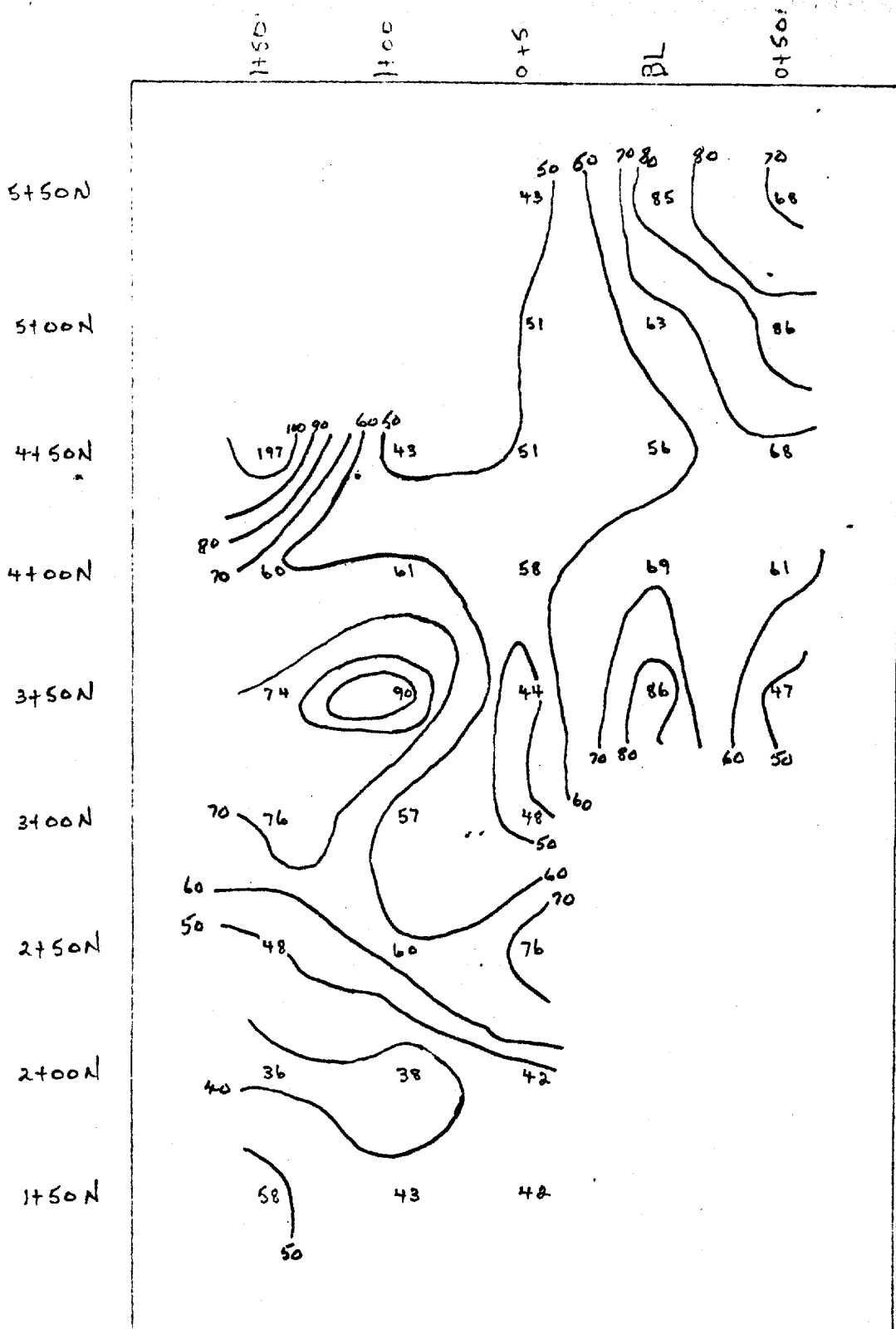
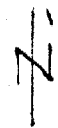


GEO CHEM SURVEY
 (Helman - Cu.)
 100 m. grid

B Leg Block
 (Ubet + Silverbell
 claims)

By: *Alexander Peterson*

Fig. 10



Hobson Claim Group

Zn. - zinc (p.p.m.)
 Geochem Soil Survey
 (50 m. grid)

B Log Block
 (Libet + Silverbell claims)

By: Aheran Paterson
 1984

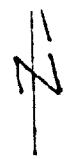
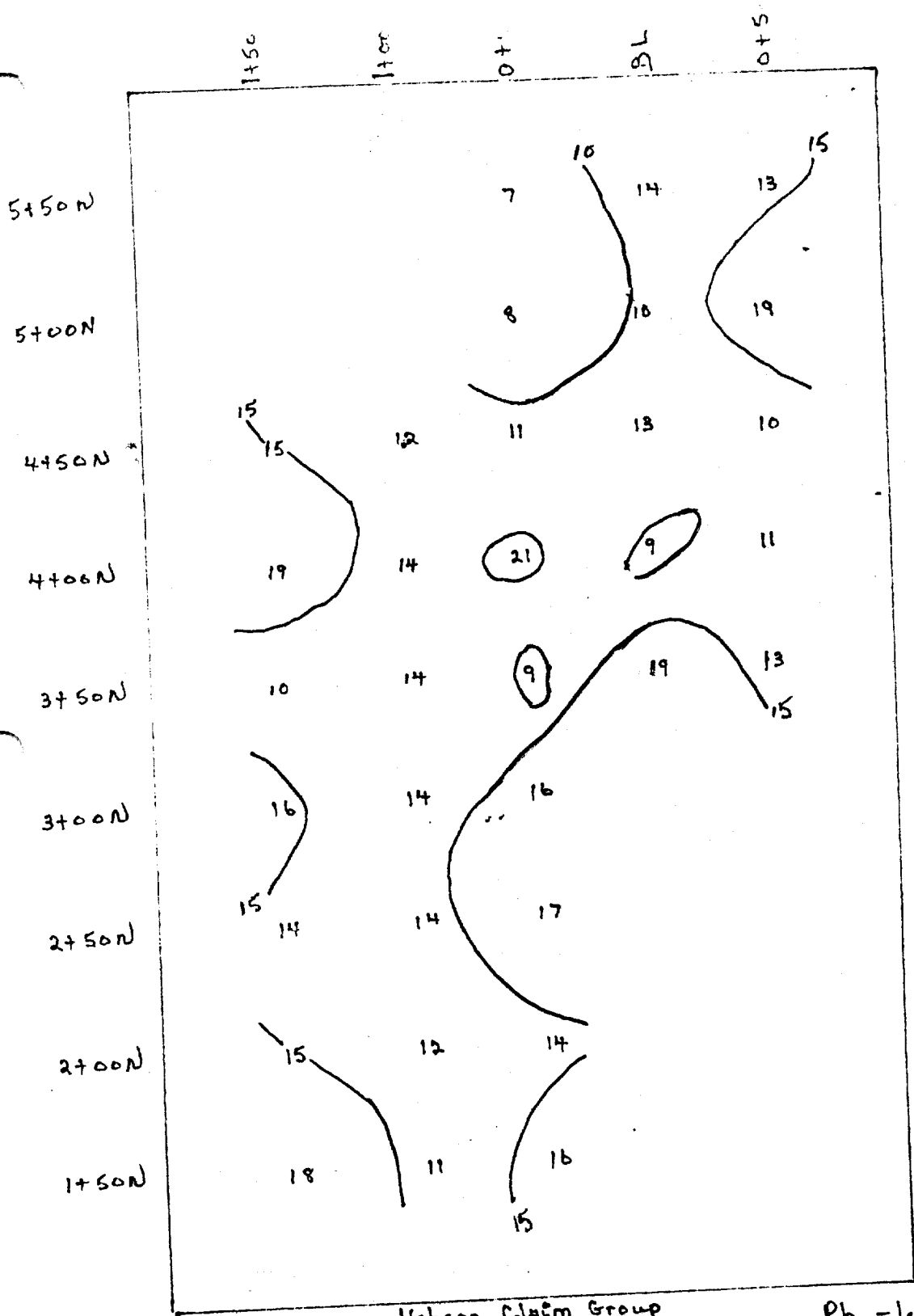


Fig. 11

Hobson Claim Group

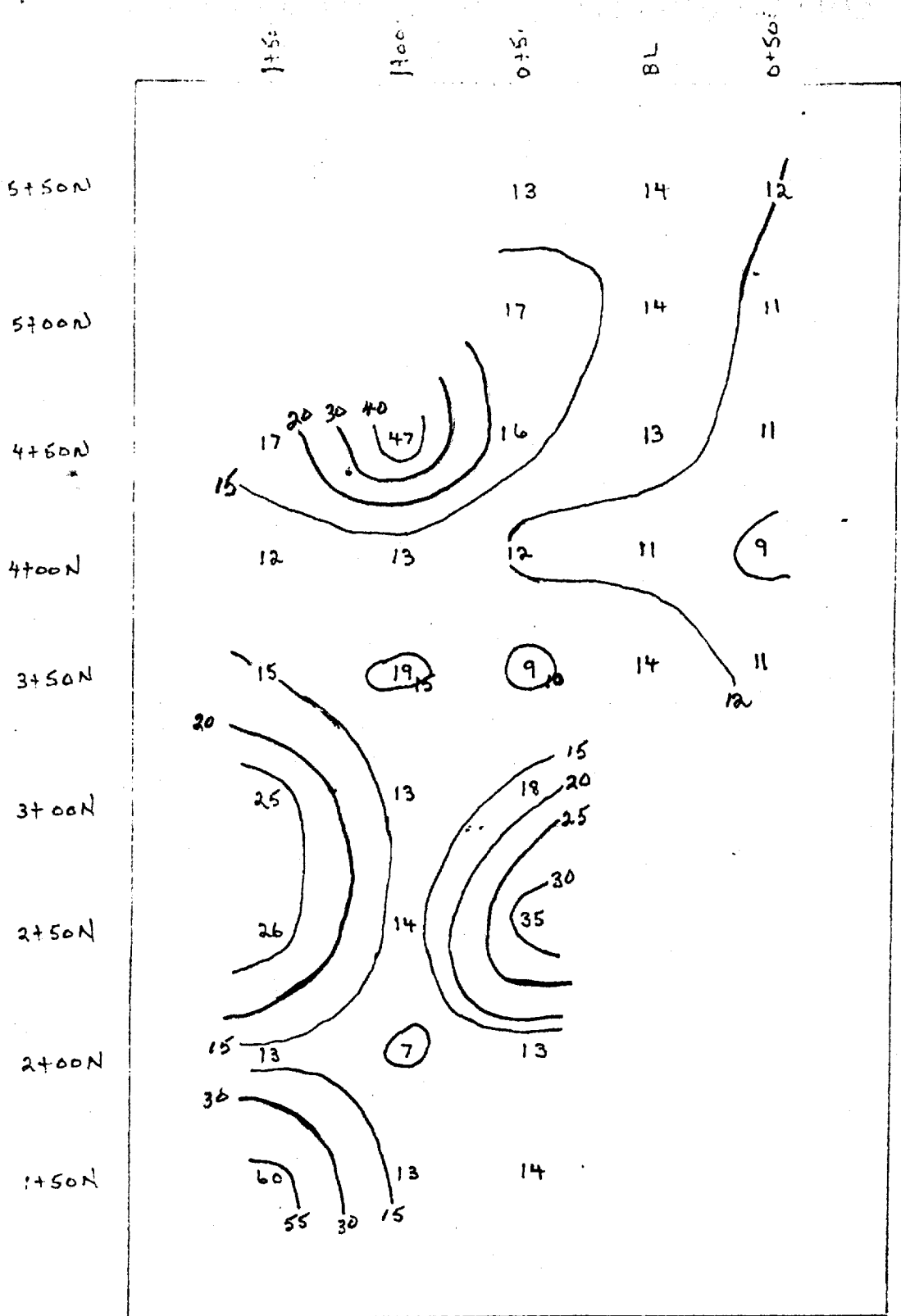
Pb. - lead (p.p.m.)
Geo Chem Soil Survey
(50m. grid)

B Log Block
(Ubet + Silverbell claims)

By: Adrian Paterson
1984



Fig. 12



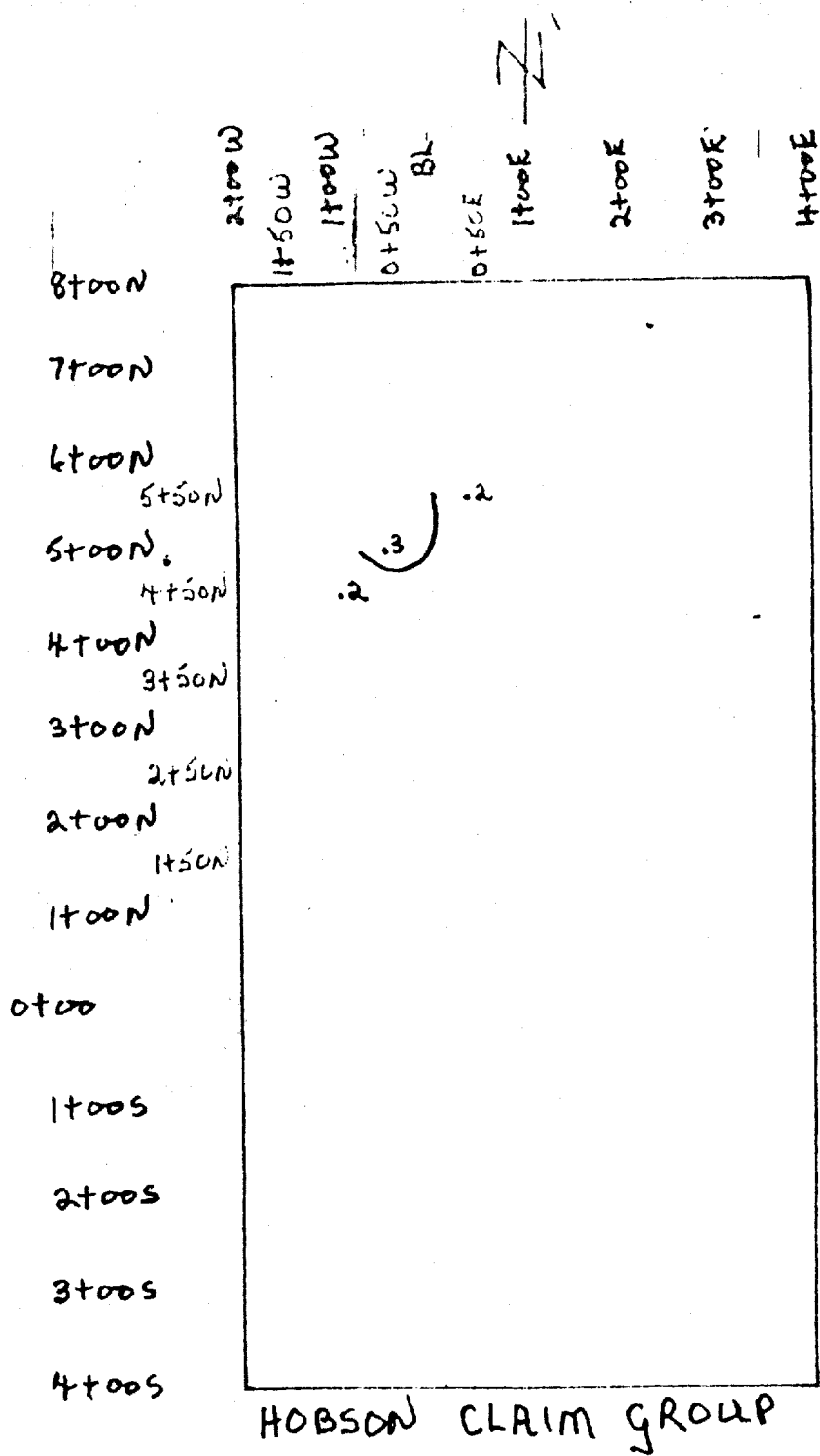
Hobson Claim Group

Cu. - copper (p.p.m.)
 Geo Chem Soil Survey
 (50m. grid)

B. Log Block
 (Ubet + Silverbell claims)

By: Sheran Paterson
 1984

Fig. 13



GEO CHEM SOIL SURVEY
(Ag. - Silver) - L.P.M.
50m. grid

B Log Block
(Ubet + Silverbell claim)

85-876

GEOCHEMICAL SURVEY REPORT

on the

HOBSON CLAIM GROUP

Cariboo Mining Division

NTS 93 A/11

(Longitude 52 deg. 34', Latitude 121 deg. 16')

(#3 Landing)

Dec. 14/84.

SHINEY MINERAL EXPLORATIONS
BOX 422
150 MILE HOUSE, B.C.
296-4402 VOK 2G0

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5. STATEMENT of EXPENDITURES	page 3
6. CONCLUSIONS	page 4
7. STATEMENT of QUALIFICATIONS	page 5

FIGURES:

#3 LANDING <u>GRID</u> (location map)	Fig. 2
LEAD - soil survey map	Fig. 3
ZINC - soil survey map	Fig. 4
ARSENIC - soil survey map	Fig. 5
SILVER - soil survey map	Fig. 6

Fig. 1

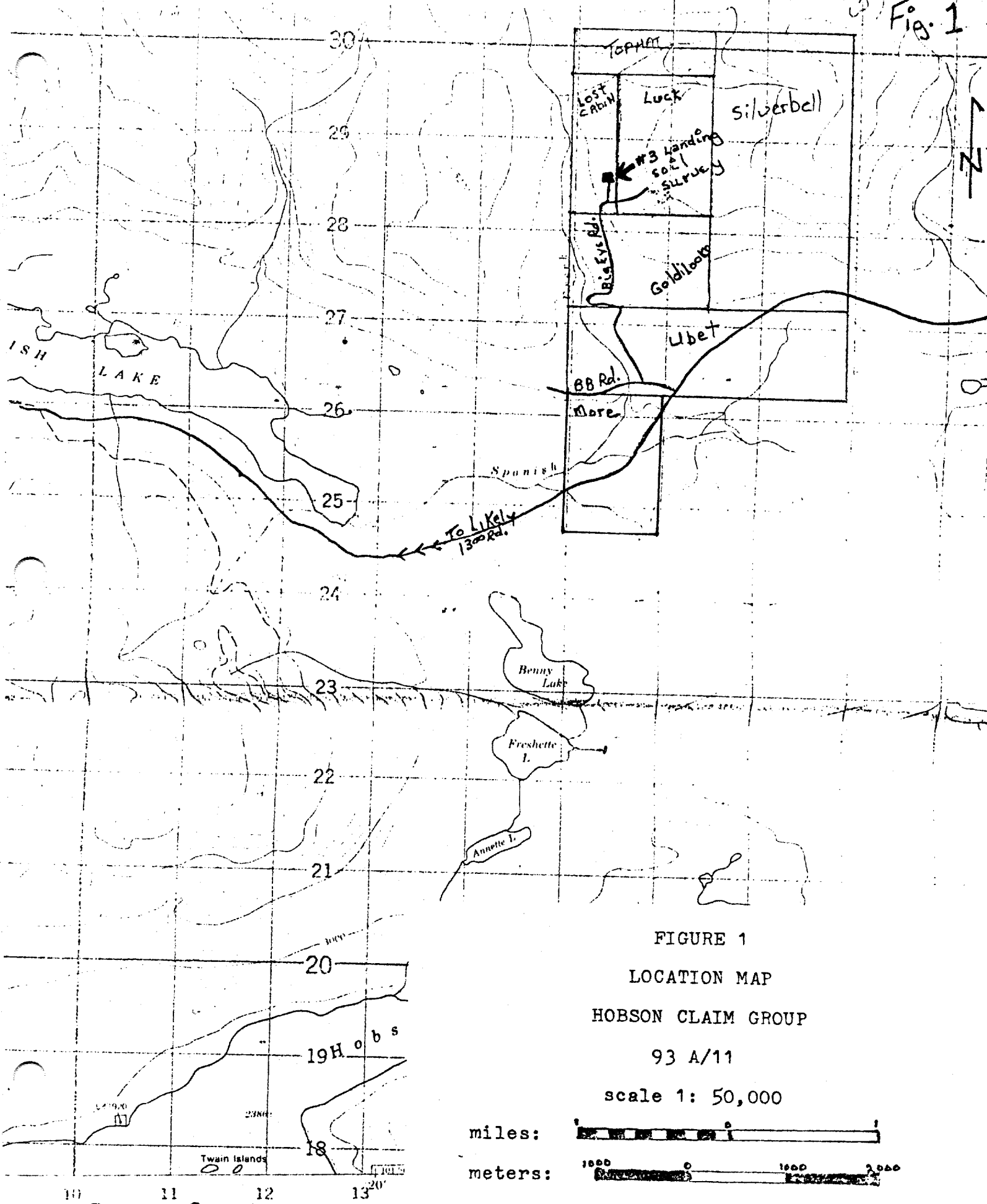


FIGURE 1

LOCATION MAP

HOBSON CLAIM GROUP

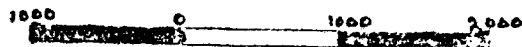
93 A/11

scale 1: 50,000

miles:



meters:



1. INTRODUCTION

The Hobson Claim Group is located on NTS map No. 93 A 11/W, with access from Likely. On the northern border of Likely, turn east on the Spanish Lake road (1300 forestry road) and travel to kilometer 1317½, then turn right just before the forestry camp. Travel on to kilometer 1320, then turn north up the east side of upper Spanish Creek on the Big Eye road. (Fig. 1)

This area has been mostly logged and has good access roads on both sides of Spanish Creek.

2. MINERAL CLAIMS

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Anniversary Date</u>
Lost Cabin	3901	3	Aug. 14
Luck	3902	6	Aug. 14
Goldilocks	3929	6	Sept. 2
TopHat	4077	3	Oct. 5
Ubet	4076	12	Oct. 9
Silverbell	4078	18	Oct. 5
More	6022	6	May 9

- The claims, grouped as the Hobson Claim Group, are all owned by: Merle Matherly, Sheran Paterson, & Ted Benz

3. TOPOGRAPHY & GEOLOGY

Recent mapping has shown the properties to be underlain by the Hadrynian? Snowshoe Group, which is composed of phyllite, quartzite, siltstone, sandstone, and slate. The northwest and southwest corners of the claim group are also covered by the Mississippian to Permian age Slide Mountain Group of amphibolite greenstone and serpentinite and Upper Triassic sediments of shale, argillite, limestone, and limy sandstone.

The Slide Mountain Group is thrust over the Snowshoe, although locally it may be missing, leaving the Triassic clastic rocks in contact with the Snowshoe Group.

Overburden is apparently thin but widespread in the area.

The Hobson Claim Group is located in mountainous terrain sloping southwards, on an eastern flank, rising directly from Upper Spanish Creek.

The sample area, #3 Landing (trenching zone), is situated in Luck and Lost Cabin claims, where there are 6 exposed quartz veins up to 19m. length with an average vein width of 1.5m. The whole vein lengths have not yet been exposed.

The country rock is chlorite and sericite schists containing pyrites. Rocks exposed in the trenching were mainly quartz schists. The vein rock is greyish quartz with inclusions of galena, galena with pyrites, and pockets of limonite or sulphur. One trench revealed a minor amount of mariposite.

Previous analysis has revealed consistent gold and silver values with a relatively low percentage of lead, indicating the probable presence of separate silver minerals.

4. SOIL SURVEY

FIELD METHODS:

26 soil samples were taken from #3 Landing (trenching zone) to determine the extent of the veining system.

The grid ran 200m. east and 300m. north, with the base line (10,000 E.) at a 300 degree N. bearing, making the 10100 N. & 9900 N. lines at 90 degree angles to the veins. The soil samples were taken at 25m. intervals on the north lines, from BF and BM soil horizons at 20-40cm. depths (Fig. 2).

ANALYSIS:

All samples were analysed at, NORANDA EXPLORATION CO. Ltd. assay laboratory, where they were determined for:

- lead.....(Fig. 3)
- zinc.....(Fig. 4)
- arsenic..(Fig. 5)
- silver...(Fig. 6)

5. STATEMENT of EXPENDITURES

Geochemical Soil Survey; Hobson Claim Group, 1984

1) Field Work -

M. Matherly, S. Paterson

Oct. 24 & 30 8 hr. @ \$20.00/hr. x 2 men = \$ 320.00

2) Soil Analysis - 26 soils @ \$7.50/sample = \$ 195.00

3) Report Preparation & Supervision -

S. Paterson

Dec. 9-12 32 hr. @ \$20.00/hr. = \$ 640.00

4) Supplies & Materials - = \$ 50.00

5) Vehicle -

1984 Ford Ranger, 4x4 - 1 day @ \$50.00/day = \$ 50.00

6) Food - 1 day @ \$40.00/day x 2 men = \$ 80.00

7) Accommodations - 1 day @ \$35.00/day x 2 men = \$ 70.00

TOTAL COST = \$1,405.00

6. CONCLUSIONS

The contoured soil results of the veining system (#3 Landing) has determined that:

- the highest lead anomaly has a probable length of about 140m. and a potential width of 75m.
- the highest zinc anomaly has a probable length of more than 13m. and a potential width of less than 7m.
- the highest arsenic anomaly has a probable length of about 165m. and a potential width of 50m.
- the highest silver anomaly has a probable length of about 40m. and a potential width of 13m.

The following values may be considered as anomalous for each element:

Pb - greater than 20 ppm
Zn - greater than 150 ppm
As - greater than 15 ppm
Ag - greater than 1 ppm

A drilling program is recommended for these high mineral concentrations, more geochemical testing of the surrounding area, and further mapping and preliminary testing of all the properties.

MERLE MATHERLY,
SHERAN PATERSON,
Owners & Operators,
SHINEY MINERAL EXPLORATIONS

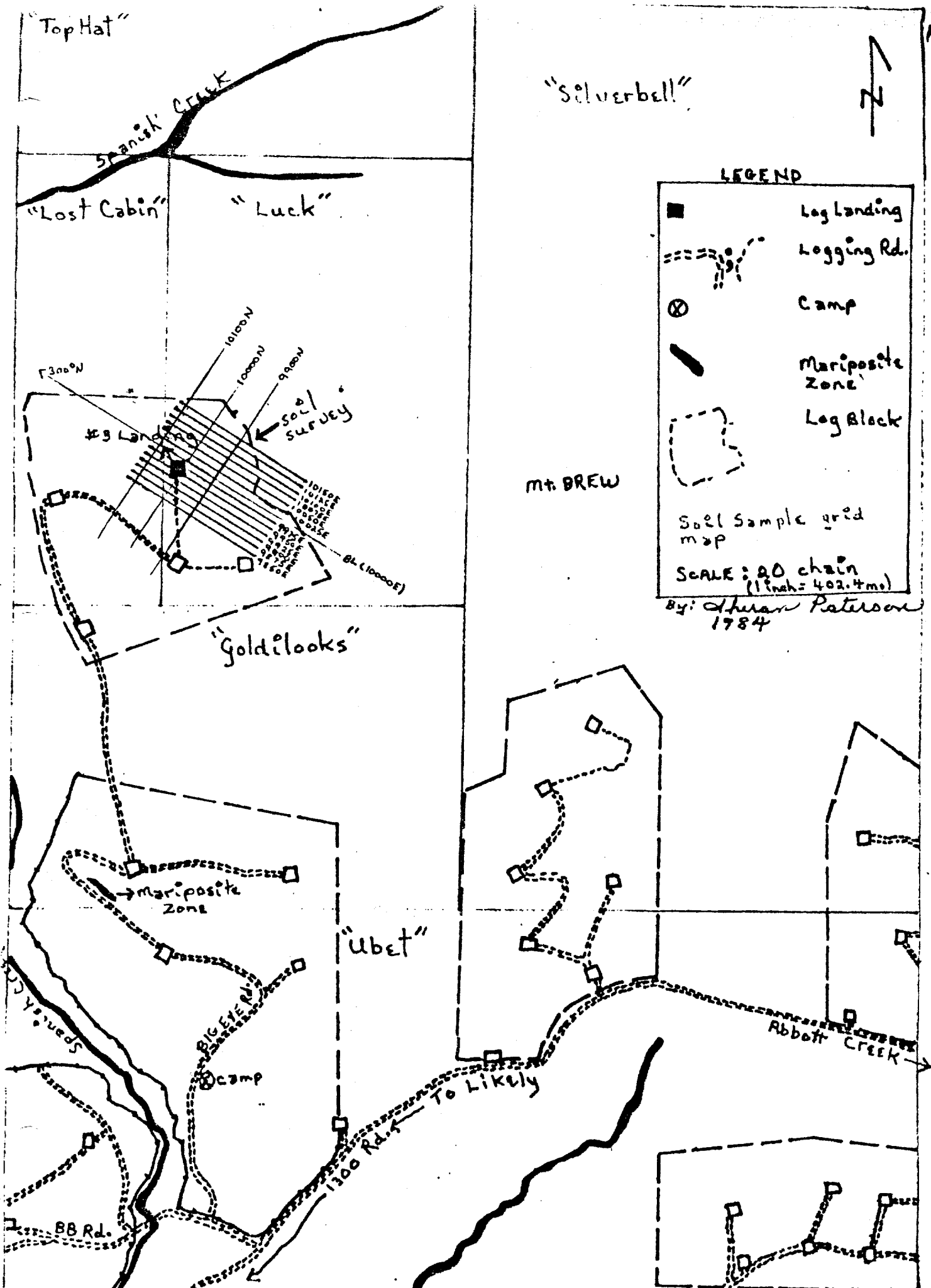
7. STATEMENT of QUALIFICATIONS

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

- 1) We are prospectors
- 2) We have attended - The Prospector's Course at Cariboo College, 1979, (instructor - Gary Bysouth, senior geologist, Gibraltar Mines Ltd., McLeese Lake, B.C.)
- 3) We have completed the Advanced Mineral Exploration Course for Prospectors - Ministry of Energy, Mines & Petroleum Resources (B.C.):
 - Merle Matherly, at David Thompson University Center, Nelson, B.C. in 1981
 - Sheran Paterson, at Northwest College, Terrace, B.C. in 1982
- 4) We have also taken Mineralogy 12: Ministry of Education (B.C.)
- 5) From 1978 to the present, we have been actively engaged in field exploration
- 6) We have been personally involved in this geochemical testing & sampling grid program, and have organized the results.

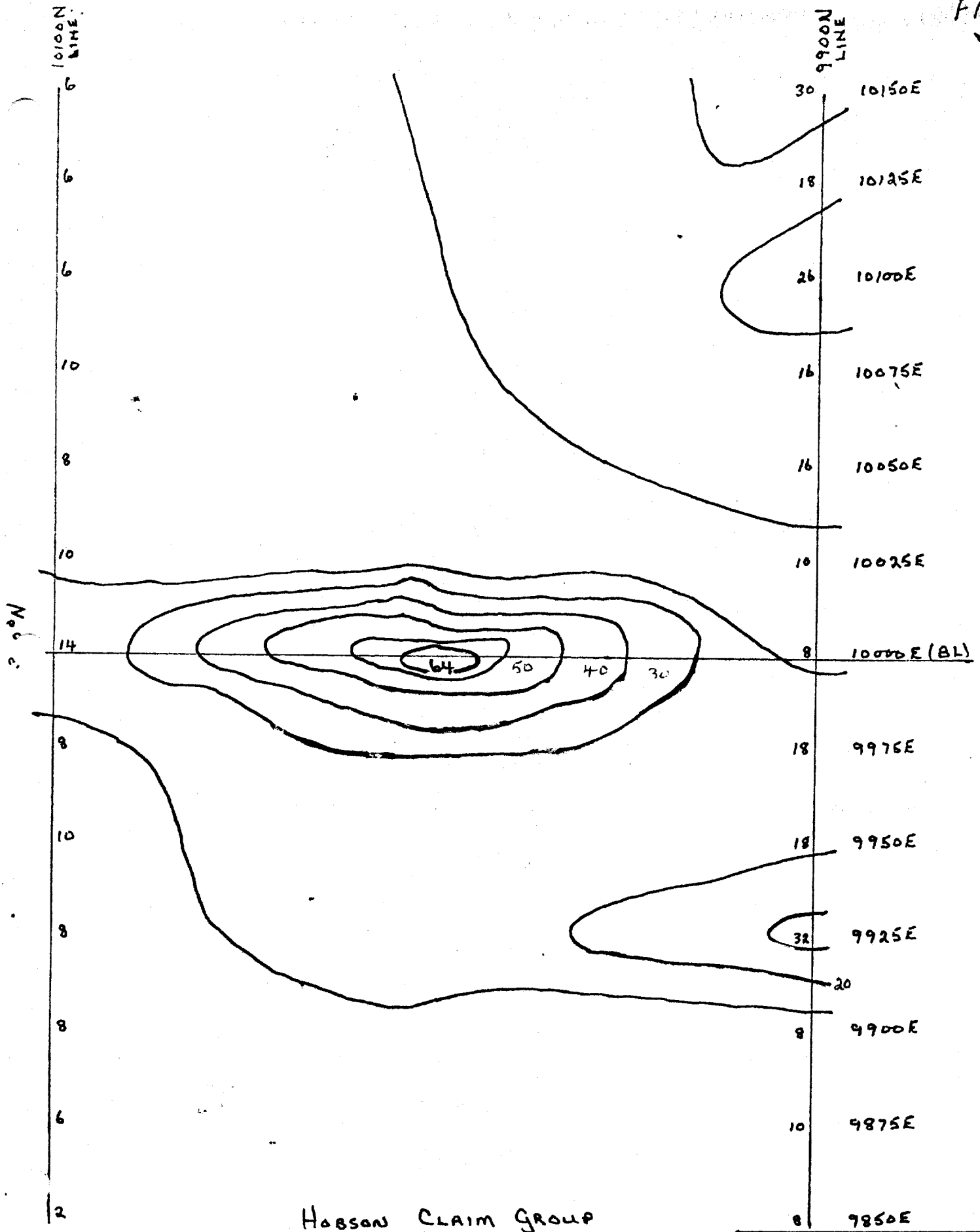
.....

MERLE MATHERLY
SHERAN PATERSON



Hobson Claim Group
Soil Sample Grid
200 m. east + 300m north

FIG. 3



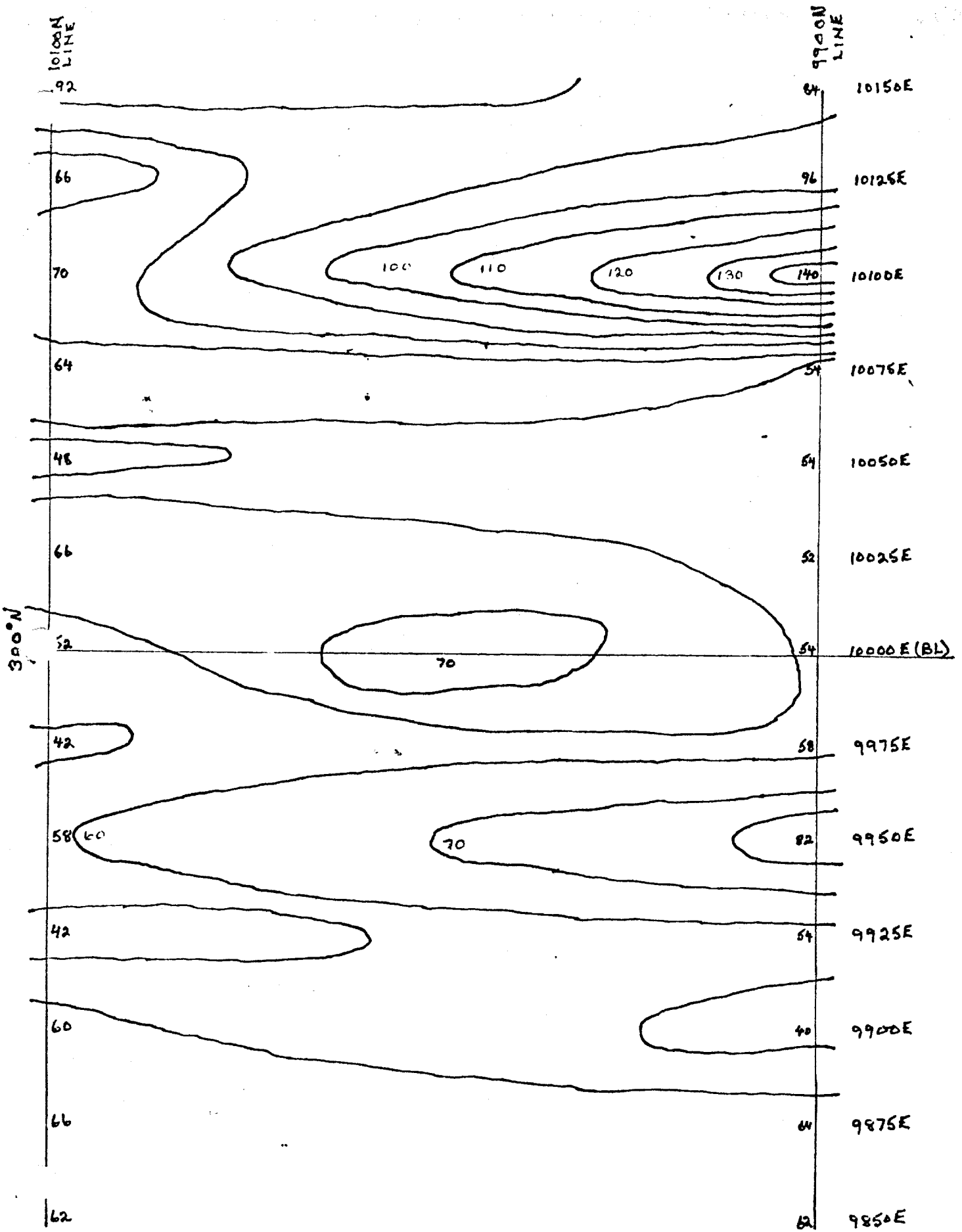
HOBSON CLAIM GROUP

By: *Alexander Paterson*
1904

Pb. - lead (P.P.M.)
 GEO CHEM SOIL SURVEY
 (25m. grid)
 #3 Landing
 (lost Cabin + Luck claim)

200-05

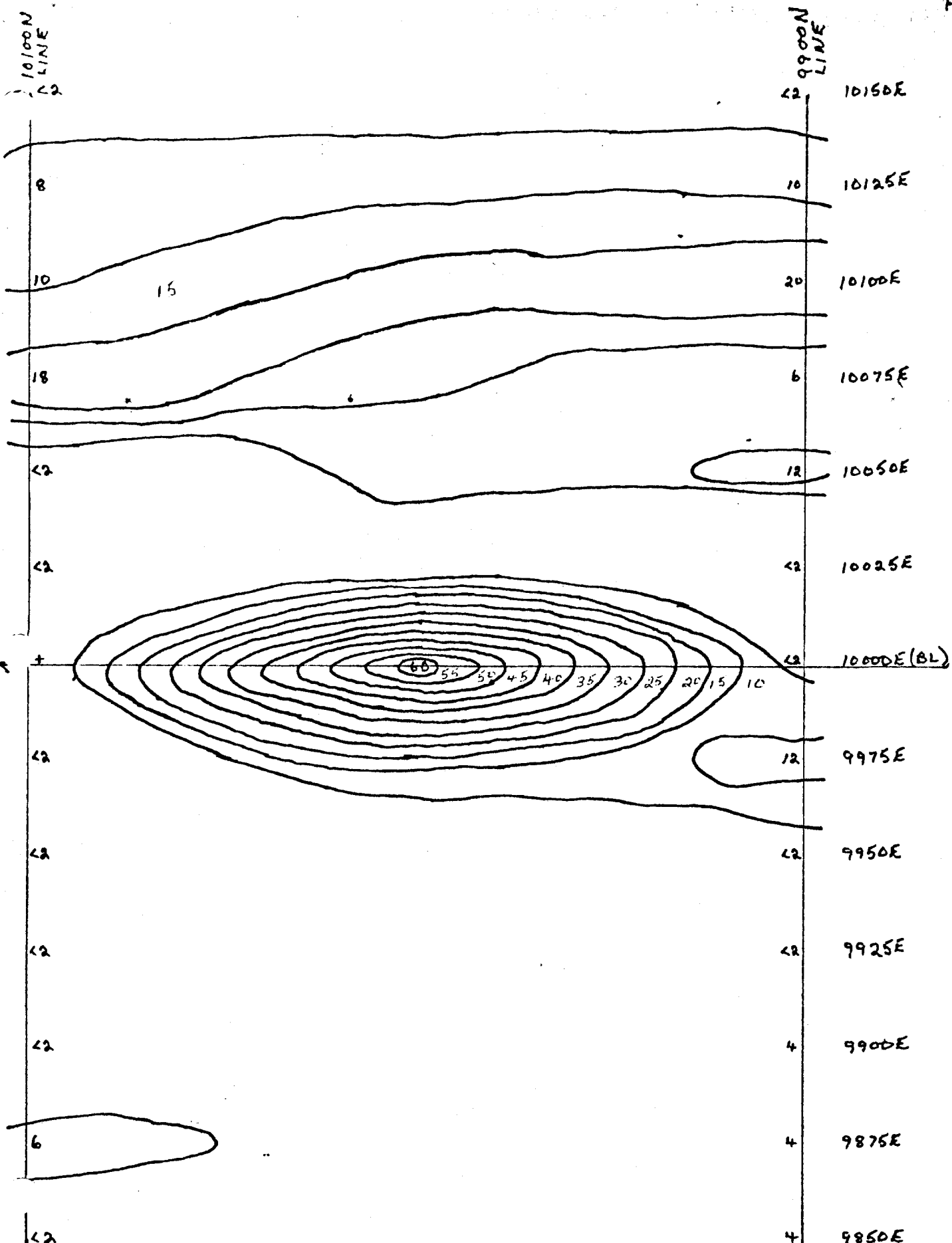
FIG. 4



Hobson Claim Group

Zn - zinc (P.P.M.)
 GEO CHEM SOIL SURVEY
 (25m. grid)
 # 3 Landing
 (Lost Cabin & Luck claims)

FIG. 5

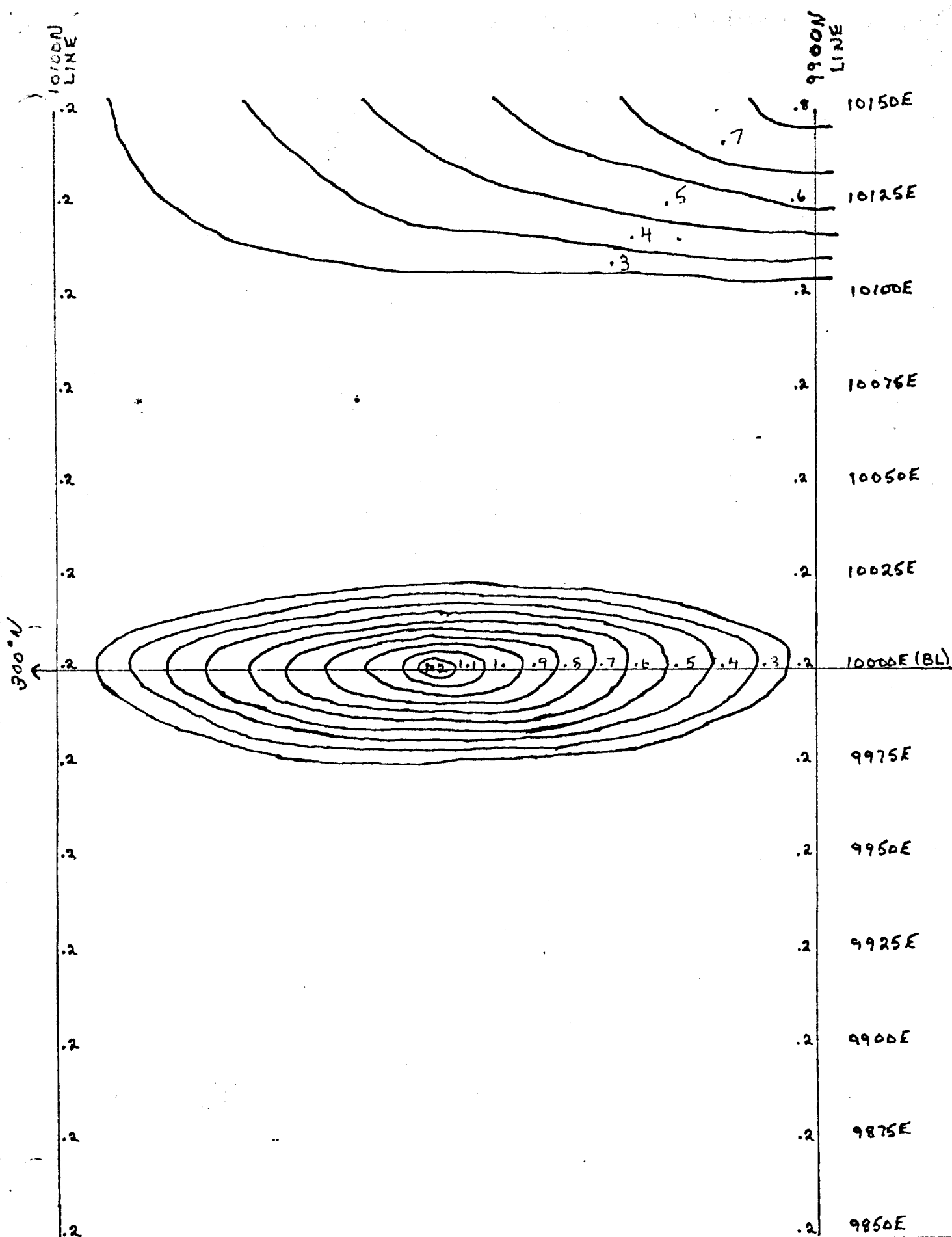


HOBSON CLAIM GROUP

By: Aheran Paterson

As. - arsenic (P.P.M.)
 GEO CHEM SAIL SURVEY
 (25m. grid)
 # 3 Landing
 (Lost Cabin + Luck claims)

FIG. 6



HOBSON CLAIM GROUP

Ag. - silver (P.P.M.)
 GEO CHEM SOIL SURVEY
 (25m. grid)
 #3 landing

Paterson