

81-1255-10064

SOIL GEOCHEMICAL SURVEY REPORT

ON THE

MP CLAIM

IN THE

NEW WESTMINSTER M.D.

AT

LATITUDE: 49°17'N

LONGITUDE: 121°43'W

NTS 92H/5E

FOR

DEEP SOUTH PETROLEUM INC.

BY

E. AMENDOLAGINE, P.Eng.

February 24, 1982

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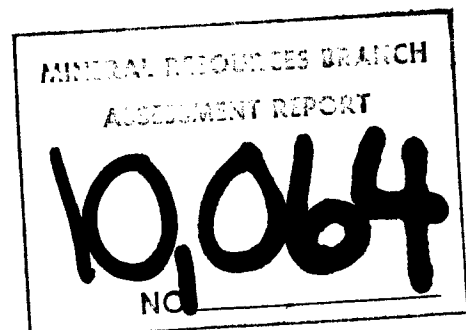


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GEOCHEMICAL SURVEY, Zn ppm

GEOCHEMICAL SURVEY, Cu ppm

GEOCHEMICAL SURVEY, Co ppm

GEOCHEMICAL SURVEY, As ppm

GEOCHEMICAL SURVEY, Pb ppm

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## SUMMARY

A soil geochemical survey was carried out during the period September 6th to October 27th, 1981 on the PM Claim in the New Westminster Mining Division of British Columbia.

The MP Claim consists of 20 units and is located some one and a half km east of Harrison Hot Springs, B.C.

The purpose of the survey was to test and explore the claim for an economical mineral deposit.

The topography of the property is high relief with the western portion being some 1000 feet or +300 meters a.s.l., and the eastern portion being farm land at some 40 feet or some 10 meters a.s.l.

The central portion of the property is a steep slope and difficult to traverse.

There is a southeasterly trending road on the high ground in the western portion of the claim.

The soil sampling survey was conducted using the southwesterly-trending road as a control line to run east-west lines. The E-W lines were spaced 150 meters apart. This survey covered only the high ground on the western portion of the property.

Samples were taken along the lines and road at 150 meter spacing, and are located as plotted on the plans.

The samples were assayed for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As and Au.

There were minor low intensity assay anomalous concentrations throughout the surveyed area with a higher persistent concentration in the NE portion of the surveyed area.

There are some old underground workings reported in the northeast area, but none were seen during the survey.

An attempt should be made to sample this steep slope and the farm land, and to find the old workings.

The anomalous low intensity area in the northeastern portion of the surveyed area should be examined and detail-sampled to try and find the cause of the concentration of readings.

The property should also be geologically mapped.

This information would assist in determining a future exploration program.

CLAIMS

The MP claim is shown on NTS 92H/5E in the New Westminister Mining Division of British Columbia.

The claim location can be seen on the following claim map and topographic sheet of Harrison Lake, 92 H/5.

3

M 92 H/5 E

Harrison L.

Deer L.

SASQUATCH PARK

Trout Trout L.

Hicks Lake

Harrison L.

RN 45(8)

MB 1 592(9)

MT. HICKS

ANN 455(5)

RES. MIN. & PLACER 1/2 MILE EITHER SIDE 7/6 1048 28 MAR 73 SUBJ. TO CCND. RELEASE REQ'D

RESERVED 0/C491 15-1-55

M.P. 1112(12) (49.2 GW) BEAR MTN.

F.H. BARBER PARK

R.2

PETERS INDIAN RESERVE I.R.1

CONTACT 428(3)

Waleach

Cottonwood

Seabird Island Reserve CANADIAN INDIAN RESERVE

CHEAM VIEW

MT. LUDWIG

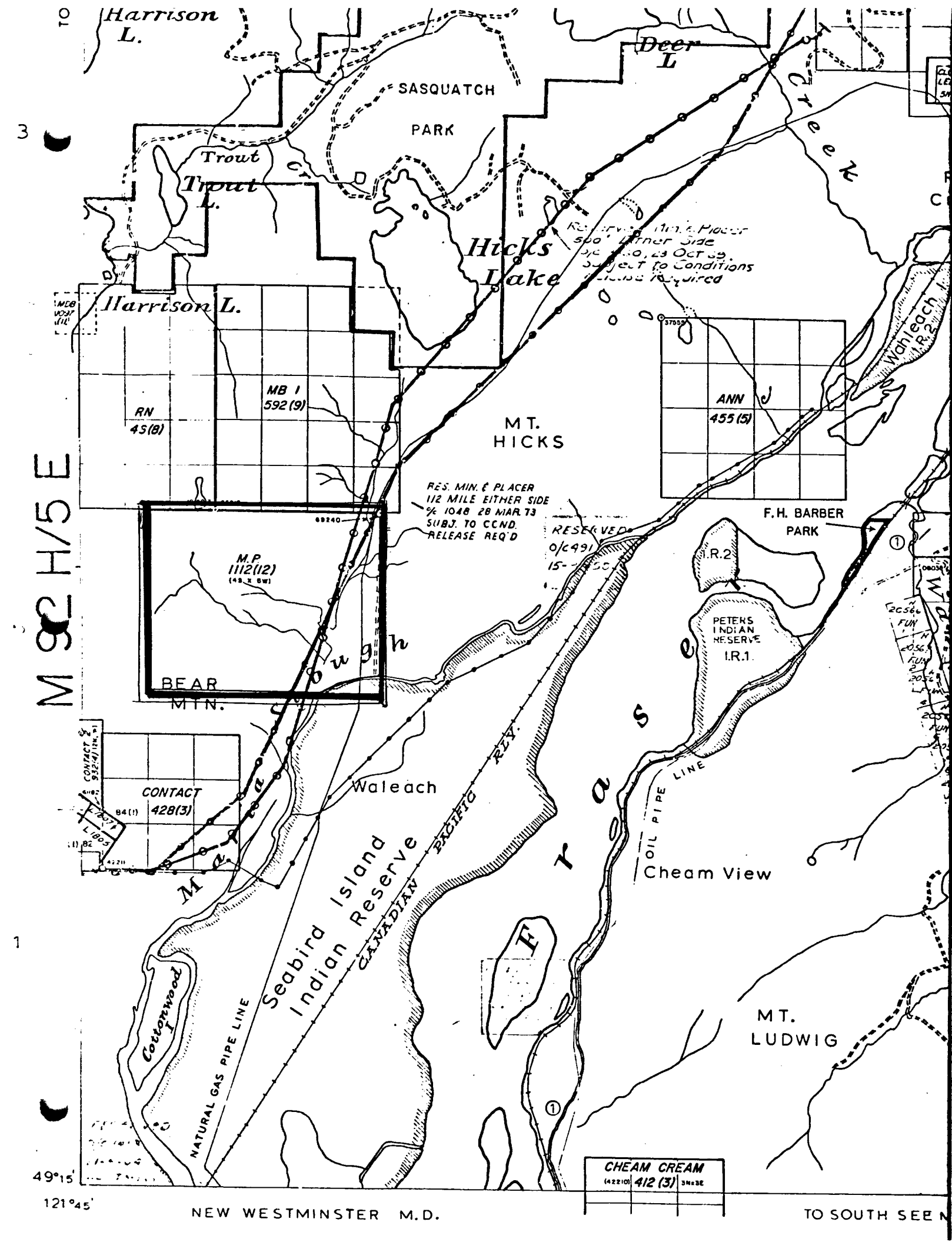
CHEAM CREAM (42210) 412 (3) 3N+3E

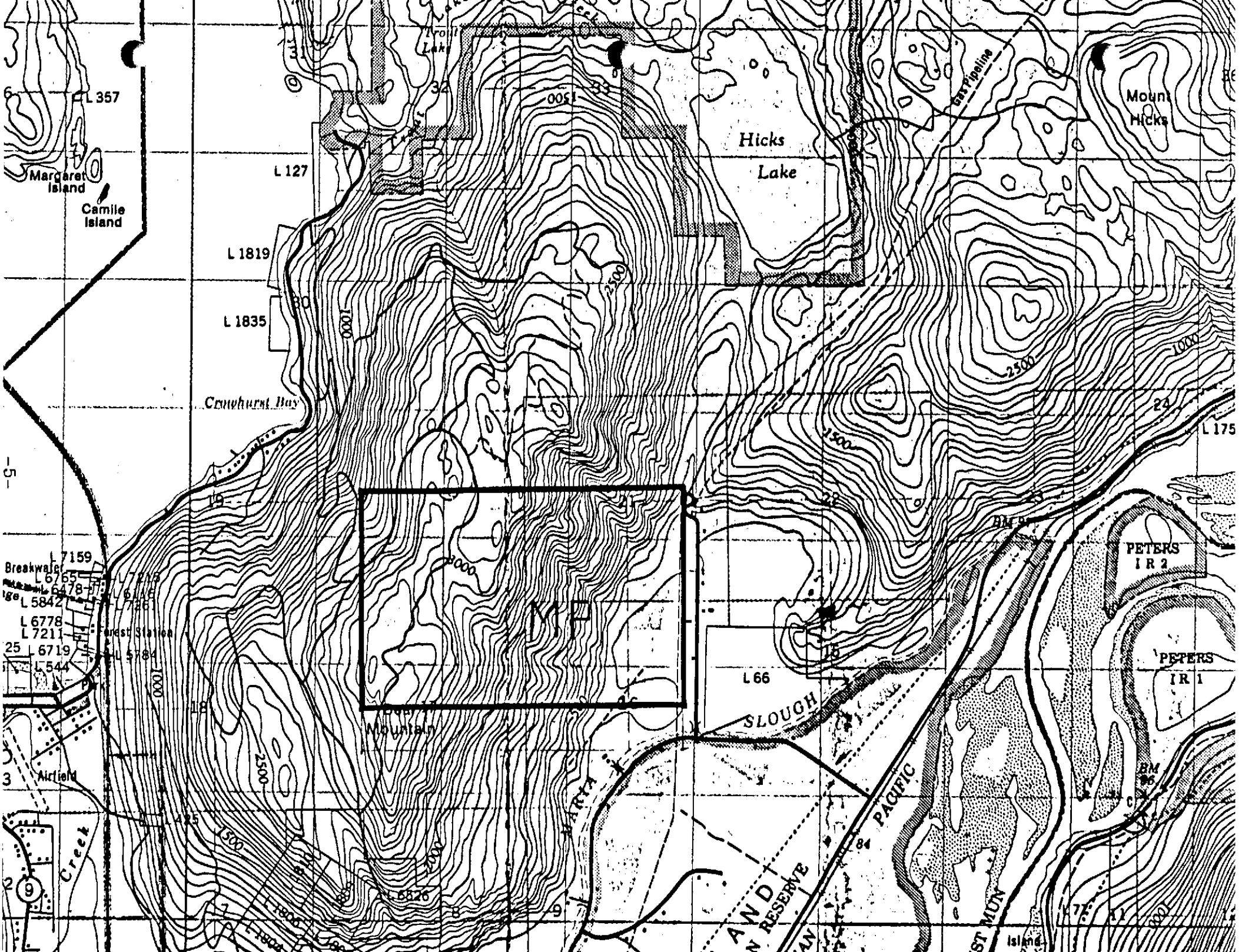
49°15'

121°45'

NEW WESTMINSTER M.D.

TO SOUTH SEE N





L 357

Margaret Island  
Camille Island

L 127

L 1819

L 1835

Crawhurst Bay

Hicks Lake

Mount Hicks

Gas Pipeline

PETERS IR 2

PETERS IR 1

SLOUGH

RAILROAD  
PACIFIC  
ST MUN Island

Breakwater  
L 7159  
L 6755  
L 6478  
L 5842  
L 6778  
L 7211  
L 6719  
L 544

Airfield  
Creek

Mountain

AWD  
N RESERVE

BM 86

SOIL GEOCHEMISTRY SURVEY

Soil sampling was performed on an established grid at 150 meter intervals. The samples were taken with a mattock in the "B" horizon where possible. They were placed in bags and marked for grid location.

The samples were assayed by Acme Analytical Laboratories in Vancouver, B.C. The assays were for Au, As, Ag, Cu, Mo, Pb, Zn, Cd, Sb, Ni and Co. The assay certificates follow after the statistical analyses. The assays are plotted on the plans and enclosed in the report following the statistical analysis.



SURVEY PERFORMED

A line grid and soil geochemistry surveys were conducted on the property during the period September 6 to October 27, 1981. The survey was conducted by Manny Consultants Ltd. with the assistance of:

Maurice Amendolagine

Rob Ferraro

Dave Leskewycz

Peter Leskewycz

Peter Daviduk

E. Amendolagine

The line grid was established on the property using the road, already present on the high ground.

The grid consisted of compass and chain flagging along the road.

E-W lines were surveyed, flagged and tied into the road survey. The survey was completed only on the high ground for control, and samples were taken at 150 meter spacing along the lines and the road.

There were 67 soil samples taken on the property.

DISCUSSION

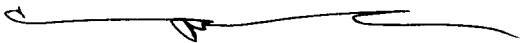
The samples were assayed for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As and Au. The assay results are statistically analyzed and plotted following this report.

The plotted assays indicate that there are scattered weak anomalies in the surveyed area.

The area in the northeast part of the survey shows consistent anomalous indications even though the assay results are weak. The area should be further examined.

The remainder of the property should be soil-sampled. This will also tend to check the possible extension of the anomalous indications.

Respectfully submitted,

  
E. Amendolagine, P.Eng.

Vancouver, B.C.

24 February 1982

APPENDIX I



To: Manny Consultants Ltd.,  
4550 Harriet St.,  
Vancouver, B.C.  
V5V 4K5

File No. 81-1721

Type of Samples Soils

**GEOCHEMICAL ASSAY CERTIFICATE**

Disposition \_\_\_\_\_

Project : MP

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	Au	
RL 1+50 S	1	34	11	52	.2	21	10	247	2.4	23	.005	1
3	1	42	2	51	.2	19	10	204	2.9	20	.010	2
4+50	2	25	2	74	.4	21	10	178	4.4	10	.005	3
6	1	48	1	74	.3	23	9	163	3.4	32	.010	4
7+50	1	19	2	71	.2	20	7	173	3.0	14	.005	5
9	1	34	2	61	.2	34	11	209	2.5	18	.005	6
10+50	1	25	2	52	.1	28	9	158	2.5	15	.005	7
12	1	26	3	52	.1	27	9	206	2.5	18	.005	8
13+50	1	22	3	41	.2	18	6	292	2.7	14	.010	9
15	1	26	4	55	.1	25	9	270	2.3	19	.005	10
16+50	1	28	2	66	.1	32	11	213	2.5	16	.005	11
18	1	22	2	69	.2	25	8	113	2.5	21	.005	12
RL 19+50 S	1	17	2	46	.3	19	6	136	3.1	20	.005	13
												14
1 1+50 E	1	8	17	10	.4	7	2	108	.4	4	.005	15
3	1	12	3	45	.3	10	4	109	4.0	13	.005	16
4+50	1	21	5	24	.2	16	3	50	2.8	14	.005	17
6	1	56	37	142	.8	36	11	258	4.1	77	.005	18
7+50	3	54	5	256	.4	35	21	506	4.3	20	.005	19
9	1	64	16	419	.1	55	30	599	4.1	34	.005	20
1 10+50 E	3	90	11	184	1.0	30	10	204	6.2	131	.005	21
												22
1+50S 1+50 E	1	8	11	20	.1	6	2	45	1.3	5	.005	23
3	1	8	9	17	.2	4	2	28	1.9	10	.005	24
1+50S 4+50 E	1	13	2	25	.4	11	3	70	2.4	15	.005	25
												26
3 S 1+50 E	1	13	11	24	.7	13	12	104	1.5	3	.035	27
3	1	8	23	23	.2	9	1	40	.5	3	.005	28
3 S 4+50 E	2	41	7	46	.4	17	6	104	3.8	40	.005	29
												30
4+50S 1+50 E	1	12	19	34	.1	10	6	79	1.9	8	.005	31
3	1	20	34	25	.4	5	1	150	.6	9	.005	32
4+50S 4+50 E	1	22	2	32	.2	14	5	78	3.0	26	.005	33
												34
6 S 1+50 E	1	5	5	28	.1	4	2	58	3.1	12	.005	35
3	1	13	7	25	.2	6	2	61	2.4	8	.005	36
4+50 E	1	10	2	31	.3	7	2	69	2.9	10	.005	37
6 S 5+25 E	1	18	7	28	.4	6	2	64	4.1	12	.005	38
												39
												40

All reports are the confidential property of clients  
All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Oct. 29, 1981

DATE REPORTS MAILED Nov. 9, 1981

ASSAYER Dean Toye

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: Manny Consultants Ltd.,

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-1721

Type of Samples

GEOCHEMICAL ASSAY CERTIFICATE

Disposition

SAMPLE No.	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe%	As	Au	
7+50S 1+50E	1	15	2	68	.3	15	7	192	2.6	17	.005	1
3	1	7	5	21	.1	5	3	74	2.3	7	.005	2
4+50	1	12	9	34	.3	7	2	80	2.6	16	.005	3
7+50S 6 E	1	11	9	28	.3	7	2	61	3.1	10	.005	4
												5
9 S 1+50E	1	23	13	50	.4	15	5	140	2.8	20	.005	6
3+50	1	23	2	38	.2	12	4	90	2.6	13	.005	7
4+50	2	20	2	50	.4	7	3	117	4.3	33	.005	8
6	1	7	51	60	.2	5	1	24	.1	6	.005	9
9 S 7 E	1	14	40	29	.1	32	4	53	1.5	13	.005	10
												11
10+50S 1+50E	1	14	2	32	.2	9	3	83	2.2	9	.005	12
3	1	6	10	18	.1	6	1	223	2.4	7	.005	13
4+50	2	7	2	21	.1	6	2	46	2.3	10	.005	14
6	1	5	4	12	.1	3	1	19	.5	2	.005	15
7+50	1	18	29	29	.2	11	1	37	.6	4	.005	16
10+50S 8+25 E	1	13	8	22	.1	12	2	51	2.1	13	.005	17
												18
S 1+50 E	2	11	3	32	.3	5	2	61	3.1	9	.005	19
3	3	9	8	34	.2	15	4	78	2.7	16	.005	20
4+50	1	9	6	25	.3	8	3	52	3.2	16	.005	21
6	1	32	2	49	.2	32	12	166	2.2	14	.005	22
12 S 7+25 E	1	14	6	33	.1	11	3	44	2.0	9	.005	23
												24
13+50S 1+50 E	1	16	5	35	.2	14	5	98	2.5	10	.005	25
3	1	8	5	28	.2	10	3	60	3.0	11	.005	26
4+50	1	12	2	35	.2	10	3	60	3.1	14	.005	27
13+50S 5+75 E	1	11	4	36	.1	11	3	61	1.9	11	.005	28
												29
15 S 1+50 E	2	2	3	14	.1	3	5	90	.2	5	.005	30
3	2	34	4	52	.1	22	54	3652	2.4	8	.005	31
15 S 4+25 E	1	13	20	35	.2	9	3	70	1.3	11	.005	32
												33
16+50S 1+50 E	1	3	5	21	.1	4	3	72	.3	3	.005	34
3	1	14	2	50	.3	11	5	198	3.2	20	.005	35
4+50	1	12	2	54	.5	9	4	117	5.4	16	.005	36
16+50S 5+25 E	1	33	30	53	.7	26	2	17	1.2	9	.005	37
18 S 1+50 E	1	4	9	17	.1	5	2	45	1.7	8	.030	38
3	1	8	2	23	.4	6	2	82	5.4	27	.005	39
18 S 4+50 E	1	15	4	72	.3	21	10	541	3.1	18	.005	40

All reports are the confidential property of clients  
All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Oct. 29, 1981

DATE REPORTS MAILED Nov. 9, 1981

ASSAYER

*Dean Toyé*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER

APPENDIX II

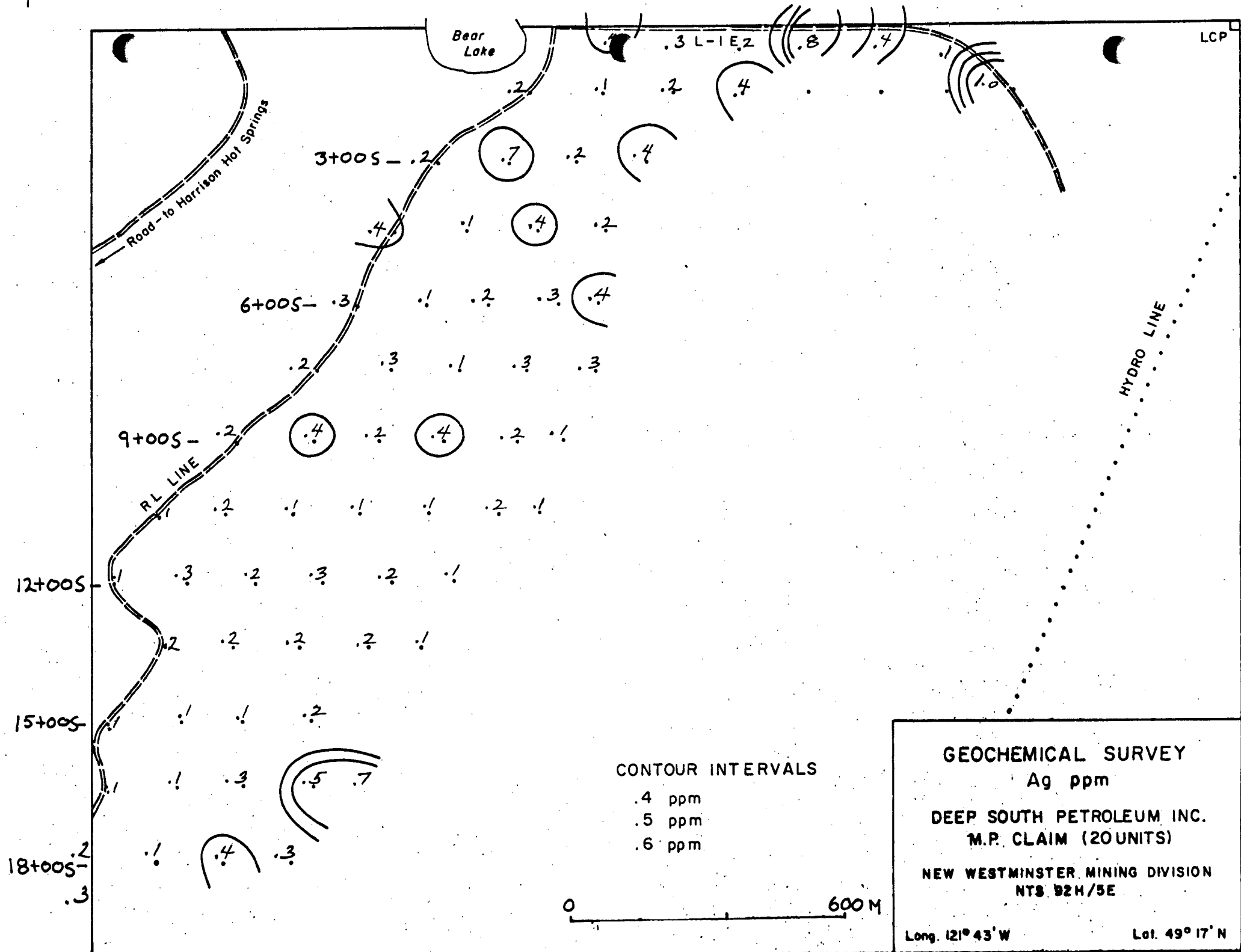
STATISTICAL ANALYSIS

<u>ELEMENT</u>	<u>ASSAY RANGE</u>		<u>NO. OF SAMPLES</u>
Gold	B.G.	0.005	62
	Threshold	.010	3
	Anomalous	.030-.035	2
<hr/>			
Arsenic	B.G.	0- 14	37
	Threshold	15- 19	15
	Anomalous	20-131	15
<hr/>			
Silver	B.G.	.1- .3	52
	Threshold	.4	10
	Anomalous	.5-1.0	5
<hr/>			
Lead	B.G.	0- 9	50
	Threshold	10- 19	9
	Anomalous	20- 50	8
<hr/>			
Zinc	B.G.	0- 49	43
	Threshold	50- 79	20
	Anomalous	141-419	4
<hr/>			
Copper	B.G.	0- 19	42
	Threshold	20- 29	13
	Anomalous	30- 90	12
<hr/>			
Molybdenum	B.G.	1	57
	Threshold	2	7
	Anomalous	3	3
<hr/>			
Nickel	B.G.	0- 19	48
	Threshold	20- 24	6
	Anomalous	25- 50	13
<hr/>			
Cobalt	B.G.	0- 9	54
	Threshold	10- 19	20
	Anomalous	20- 54	3
<hr/>			

APPENDIX III







**GEOCHEMICAL SURVEY**  
Ag ppm

DEEP SOUTH PETROLEUM INC.  
M.P. CLAIM (20 UNITS)  
NEW WESTMINSTER MINING DIVISION  
NTS. B2H/5E

CONTOUR INTERVALS

- .4 ppm
- .5 ppm
- .6 ppm



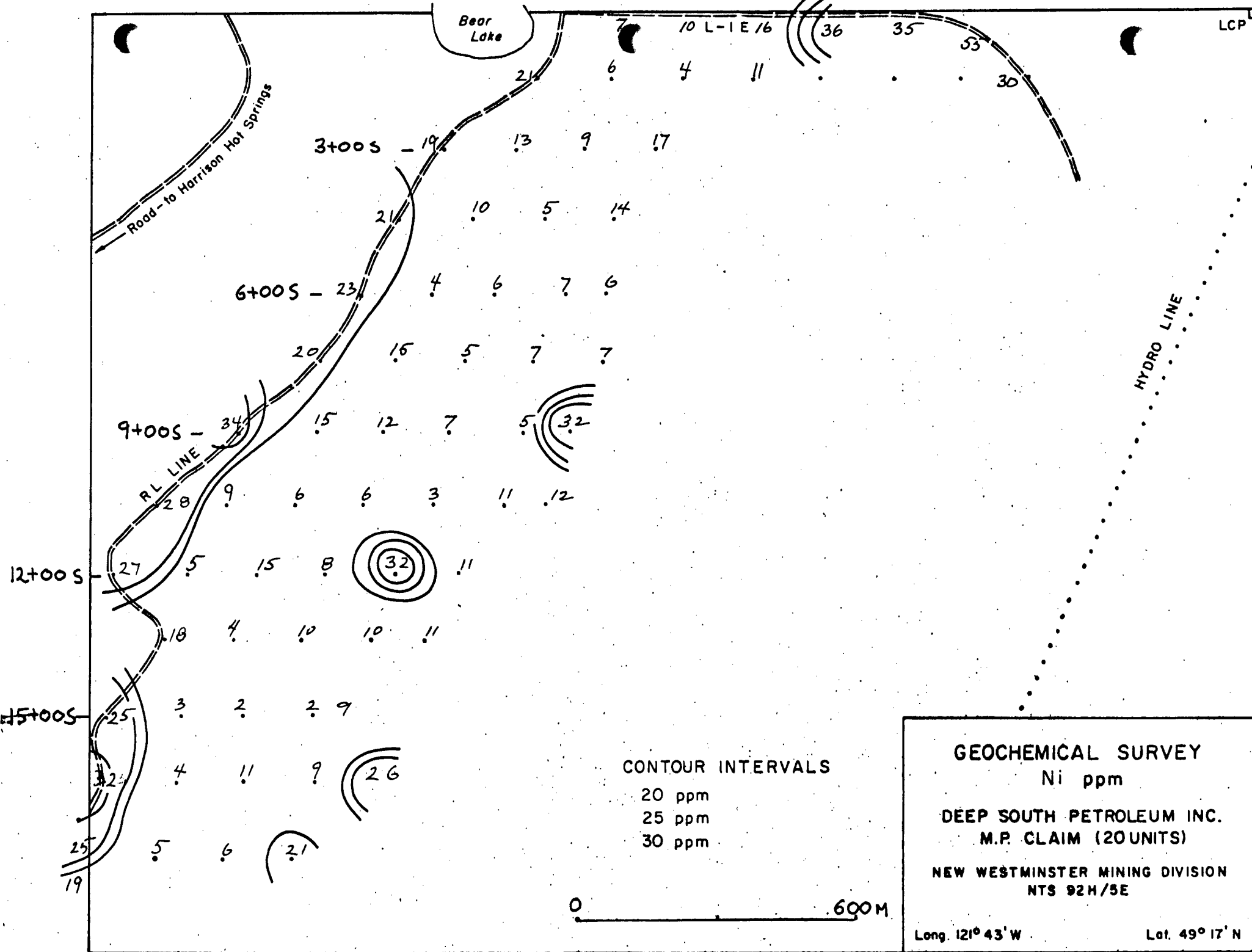
Long. 121° 43' W

Lat. 49° 17' N

LCP

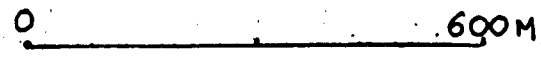
Bear Lake

Road - to Harrison Hot Springs



CONTOUR INTERVALS

- 20 ppm
- 25 ppm
- 30 ppm



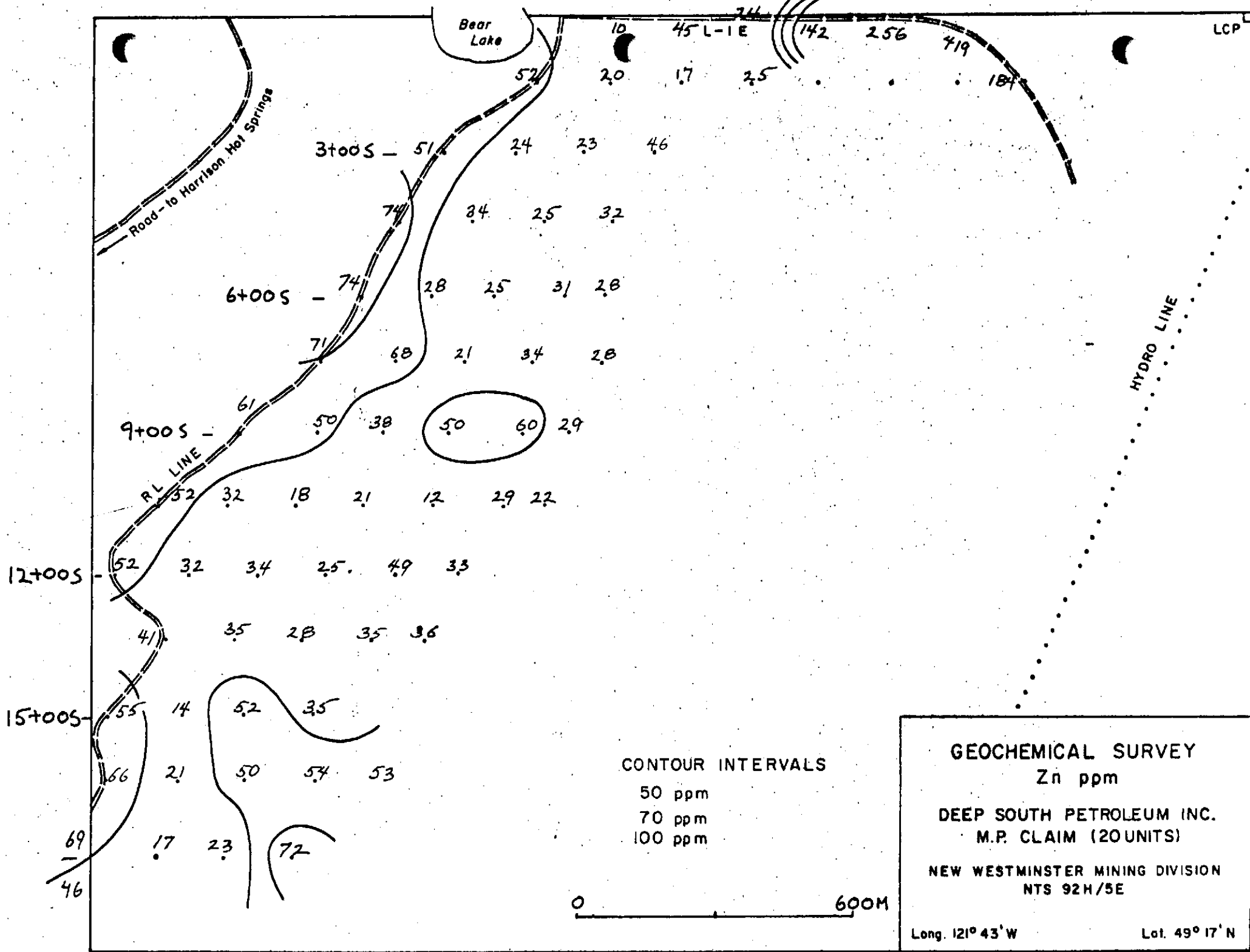
**GEOCHEMICAL SURVEY**  
Ni ppm

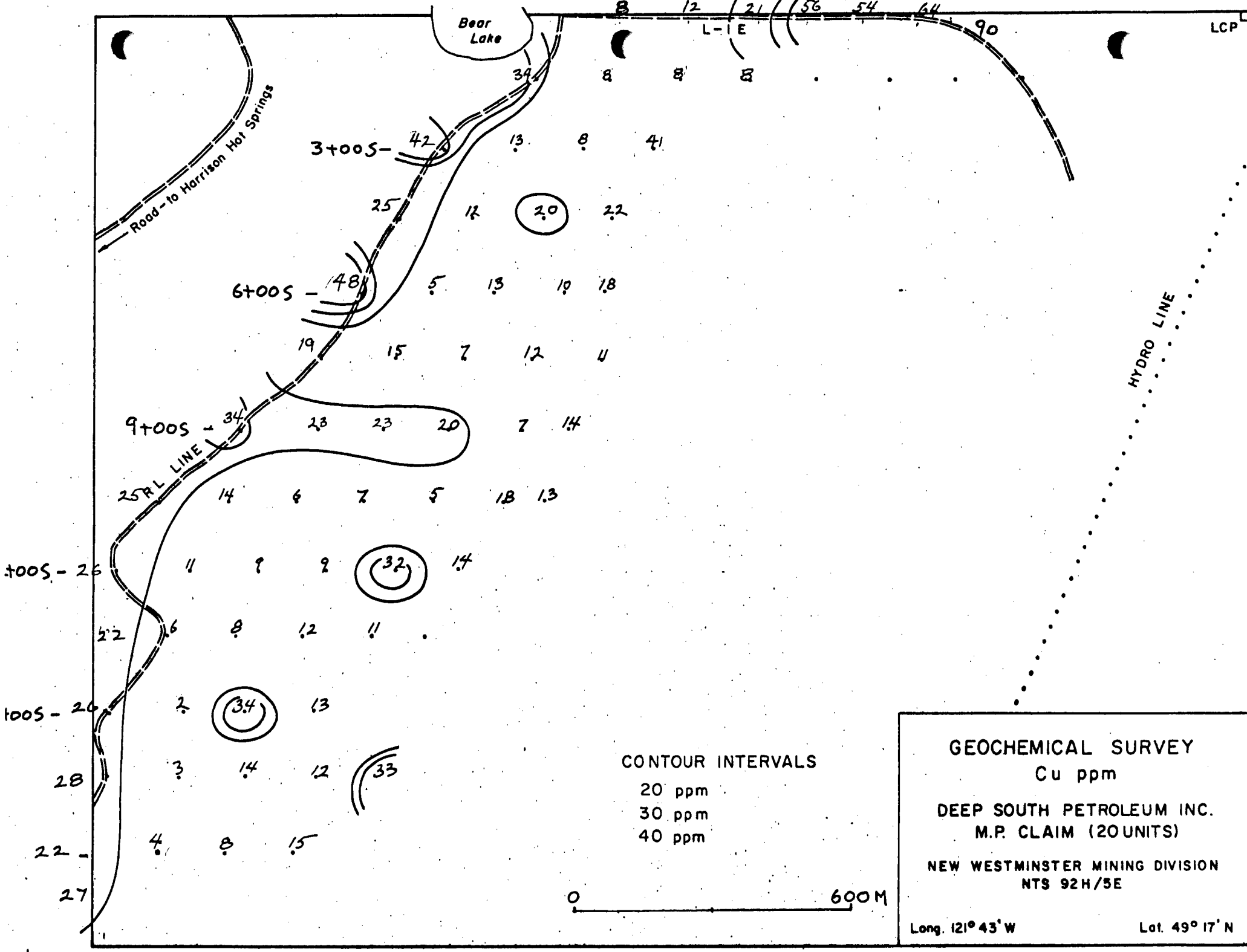
DEEP SOUTH PETROLEUM INC.  
M.P. CLAIM (20 UNITS)

NEW WESTMINSTER MINING DIVISION  
NTS 92H/5E

Long. 121° 43' W

Lat. 49° 17' N





**GEOCHEMICAL SURVEY**  
 Cu ppm

**DEEP SOUTH PETROLEUM INC.**  
 M.P. CLAIM (20 UNITS)

**NEW WESTMINSTER MINING DIVISION**  
 NTS 92H/5E

Long. 121° 43' W      Lat. 49° 17' N

Bear Lake

Road - to Harrison Hot Springs

3+005 - 10

6+005 - 9

9+005 - 11

12+005

5+005 -

8  
-  
6

4 L-1E3

11

21

30

10

2

2

3

10

12

!

6

10

8

!

5

2

2

2

2

7

3

2

2

RL LINE

5

4

3

!

4

9

3

!

2

!

!

2

9

2

4

3

(12)

3

6

5

3

3

3

5

(54)

3

3

5

4

2

CONTOUR INTERVALS

10 ppm

20 ppm

30 ppm

GEOCHEMICAL SURVEY

Co ppm

DEEP SOUTH PETROLEUM INC.

M.P. CLAIM (20 UNITS)

NEW WESTMINSTER MINING DIVISION

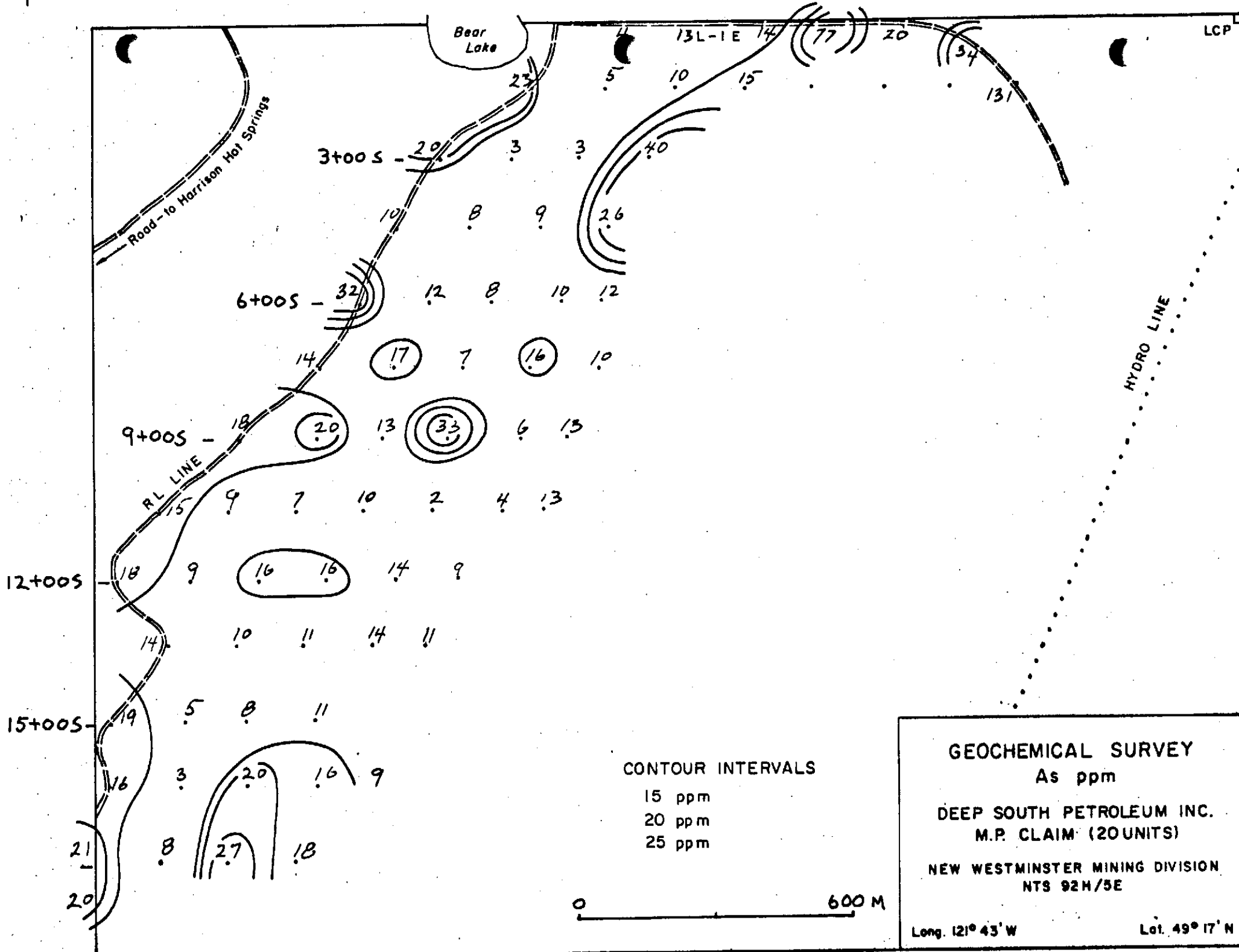
NTS 92H/5E

0 600M

Long. 121° 43' W

Lat. 49° 17' N

HYDRO LINE



CONTOUR INTERVALS

- 15 ppm
- 20 ppm
- 25 ppm

**GEOCHEMICAL SURVEY**  
As ppm

DEEP SOUTH PETROLEUM INC.  
M.P. CLAIM (20 UNITS)

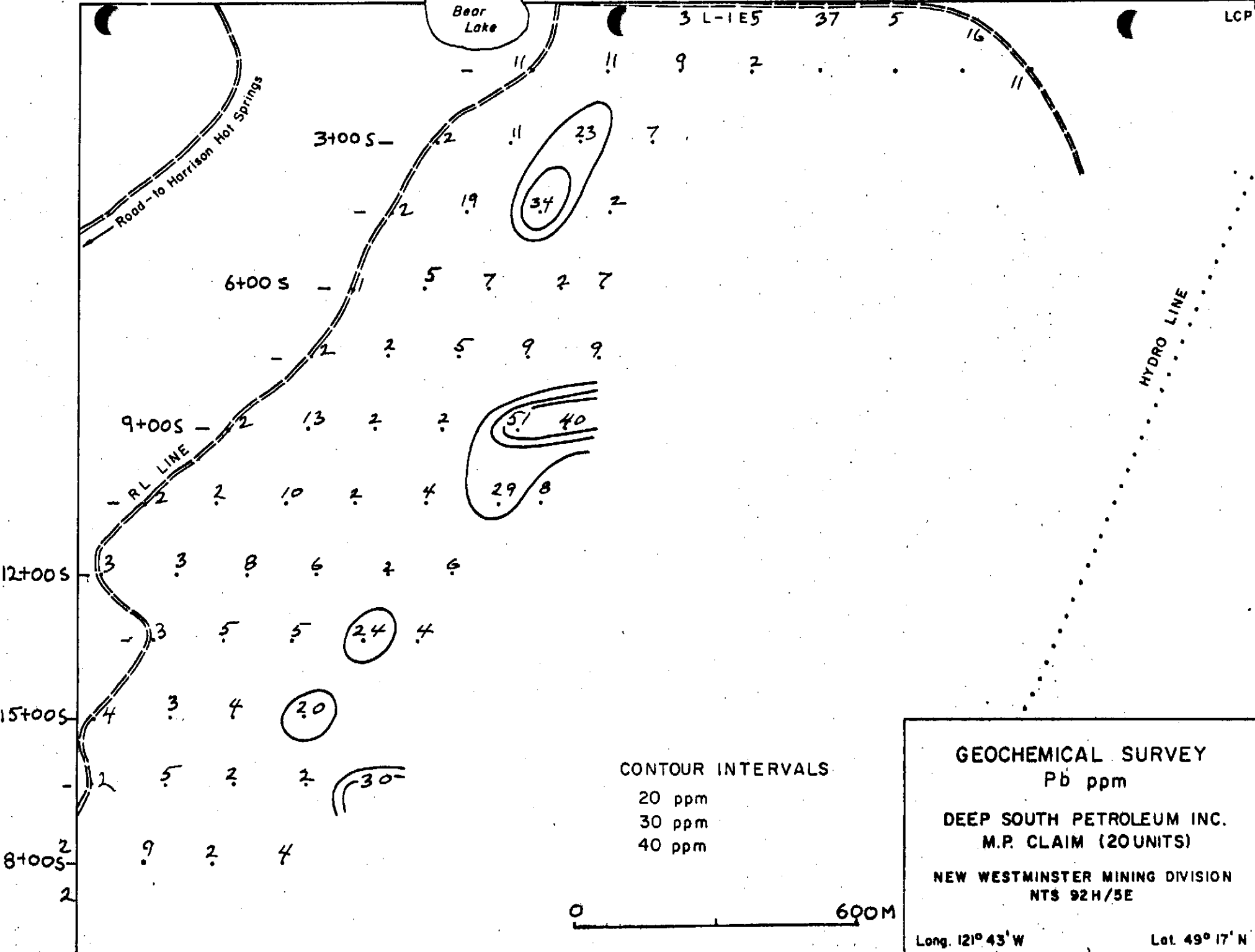
NEW WESTMINSTER MINING DIVISION  
NTS 92H/5E

Long. 121° 43' W

Lat. 49° 17' N

Bear Lake

Road - to Harrison Hot Springs



CONTOUR INTERVALS

- 20 ppm
- 30 ppm
- 40 ppm

**GEOCHEMICAL SURVEY**  
 Pb ppm

DEEP SOUTH PETROLEUM INC.  
 M.P. CLAIM (20 UNITS)

NEW WESTMINSTER MINING DIVISION  
 NTS 92H/5E

Long. 121° 43' W      Lat. 49° 17' N





APPENDIX IV

COST BREAKDOWN

		\$
Maurice Amendolagine	Sept. 10-16, Oct. 21-27 14 days @ \$150/day	2,100.00
Rob Ferraro	Sept. 10-16, Oct. 21-27 14 days @ \$100/day	1,400.00
Dave Leskewycz	Sept. 10-16, Oct. 21-27 14 days @ \$100/day	1,400.00
Pete Daviduk	Oct. 21-27 7 days @ \$100/day	700.00
E. Amendolagine	Sept. 6-7	500.00
		<hr/>
		6,100.00
4 x 4 Transportation, gas, etc.		1,010.05
Supplies		186.16
Assays		546.05
Report by E. Amendolagine, typing report and drafting		1,500.00
		<hr/>
		<u>\$ 9,342.26</u>

NOTE:

On my "Statement of Exploration and Development" form of November 30, 1981, I did not include the charges for room and board. If these could be accepted now, please add them on to Manny Consultants (PAC) Account.

Room & Board - 37 man days (Manny Consultants)

TOTAL:

\$ 9,342.26

1,608.64

\$10,950.90