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ACTION:	
FILE NO: 87-800-16435	

Prospectors Report on 1986-1987
Geochemical Reconnaissance

Geochemical Survey
Mary Lou Mining Claim
Mt. Davidson Area
Omineca Mining Division
NTS 93F 2/W

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,435

Dates Worked: July 26,27,28;1986

Latitude 53° 10' ^{24"} N Longitude 124° 50' ^{12"} W

by: David H. Rozek (owner/operator)
666 Carney St.
Prince George, B.C.
V2M 2K6

July 22, 1987

FILMED

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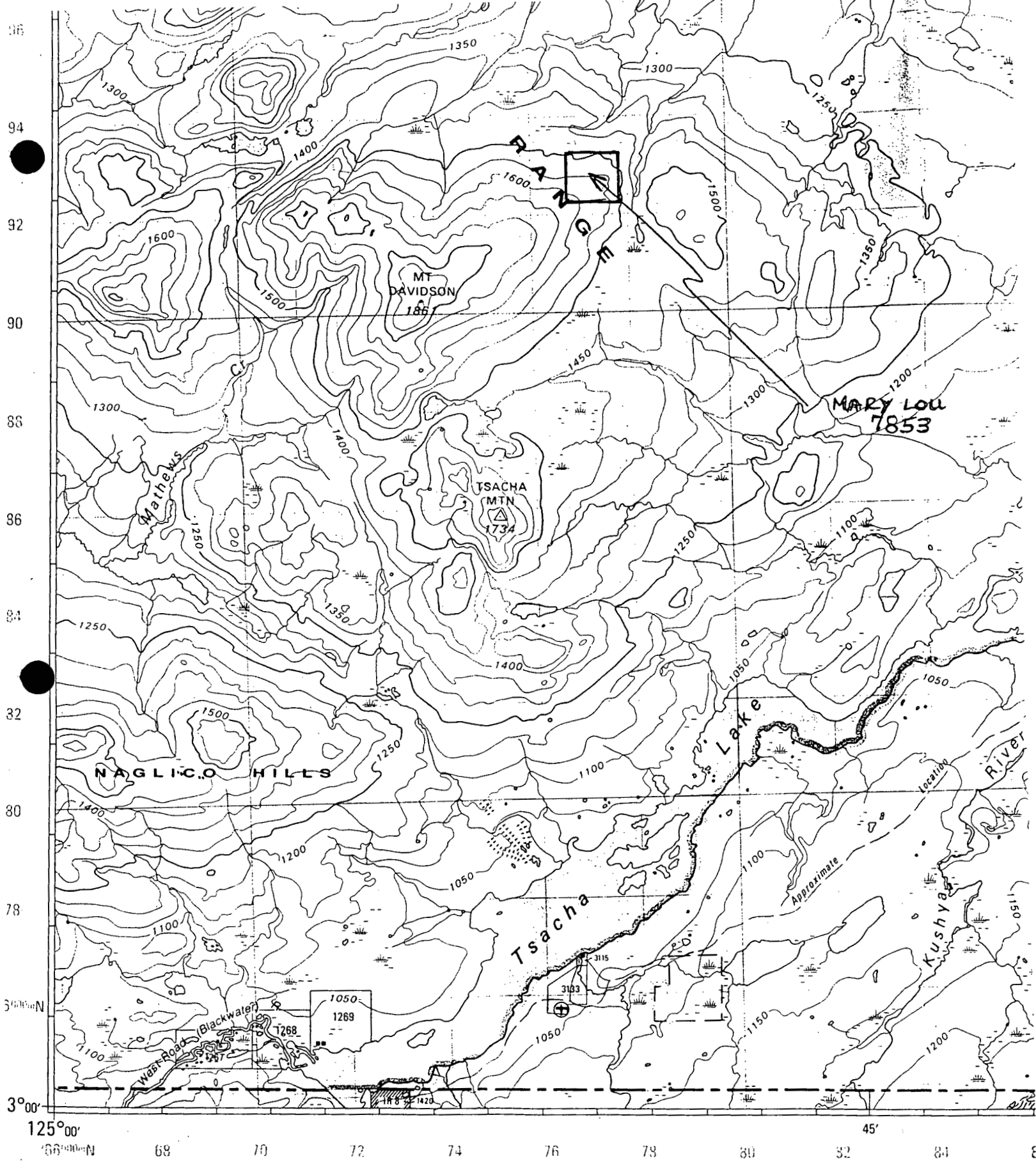
Addendum: Sample Analysis Report and Geochem Map



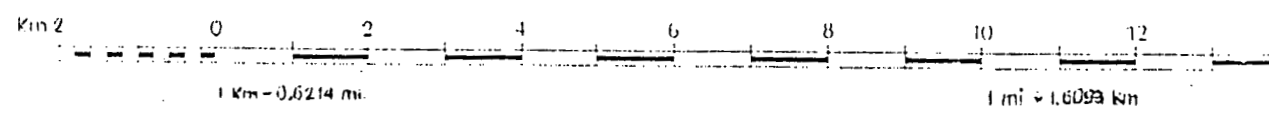
PROPERTY LOCATION MAP

SCALE 0 36 Miles

Map 1136		36 Miles
Prepared By:	Date:	N.T.S. MAP AREA
Drawn By:	Revised:	DRAWING No.

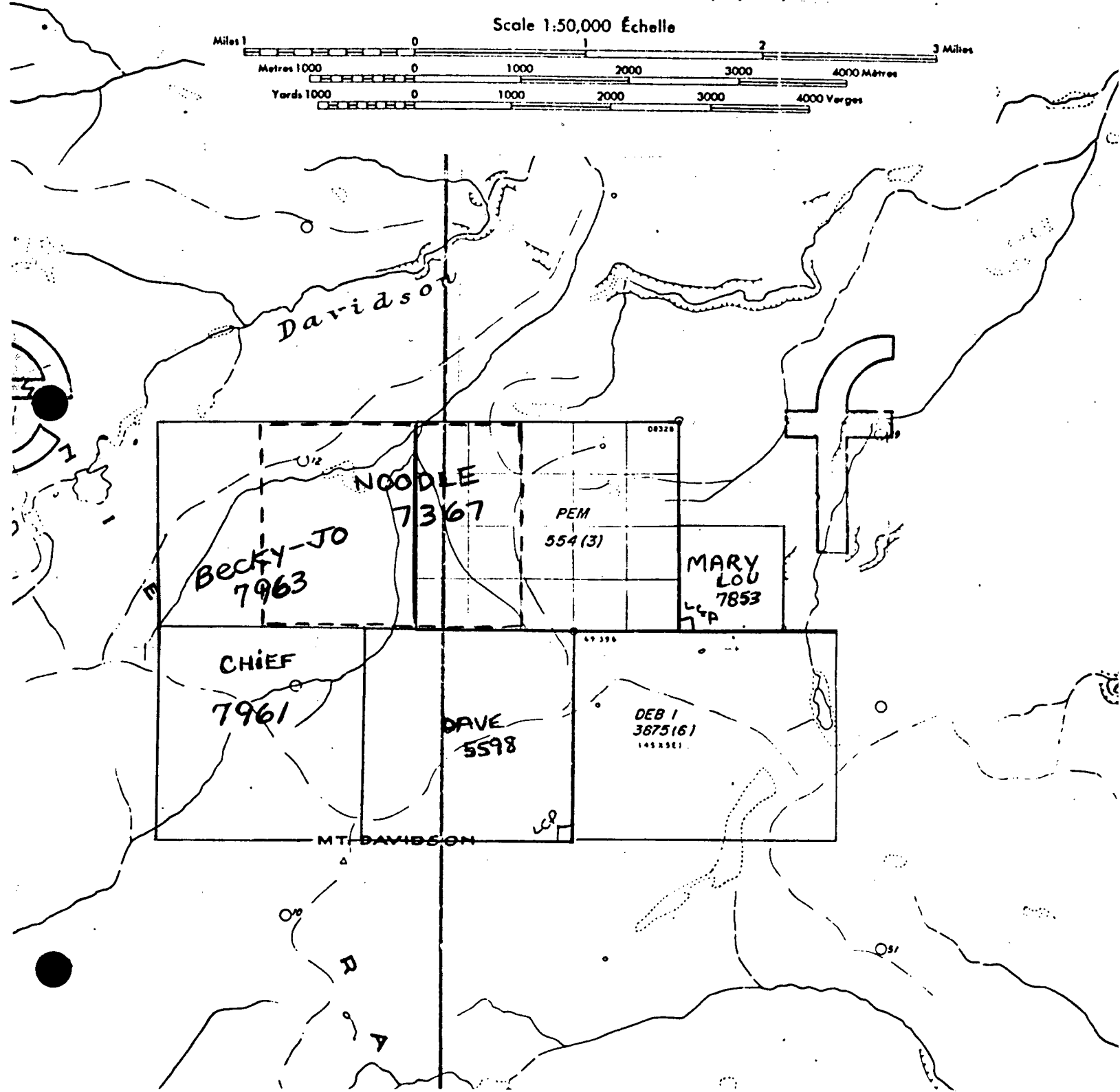
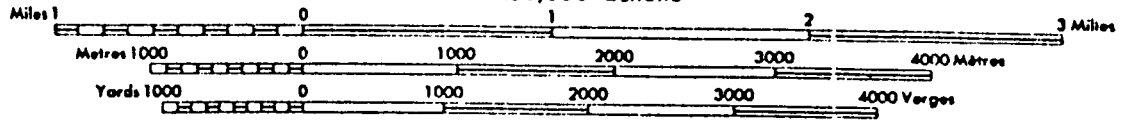


Scale 1:100 000
(1 cm = 1 km)





Scale 1:50,000 Échelle



Introduction:

The discovery of Zn/Ag anomalies on the northeast slope of Mt. Davidson by Granges Exploration in 1975-81, coupled with Pb/Zn anomalies established on upper Mathews Creek by Cities Services in 1975 led to the decision to acquire property on the north slope of Mt. Davidson, adjacent to the Granges Deb and Pem claims.

On July 27, 1983 the Dave Mineral claim was staked. Subsequent geochem reconnaissance led to the staking of the Mary Lou claim on July 25, 1986.

Location and Access:

The Mary Lou mineral claim consisting of four units is located on the northslope of Mt. Davidson approximately 110 km southeast of Burns Lake and 150 km southwest of Vanderhoof in the Omineca Mining Division. The claim lies approximately 10 km north of Tsacha Lake.

Location on the NTS map 93F 2/W is 124° 50' W longitude and 53° 10' N latitude.

Access to the property is by helicopter from Burns Lake (Alpine) or from Prince George (Northern Mountain). Alternately ground access is via the newly constructed Kluskus/Ootsa Forest Access Road to within 9 miles of the claim. Access from the Kluskus/Ootsa Forest Access Road to the

Location and Access cont.:

Mary Lou claim is by the newly constructed Granges Exploration road at km 145 to the top of Mt. Davidson.

Physiography:

The claim area is situated on the northeast slope of Mt. Davidson with the LCP (southwest corner) approximately 4,000 metres N 54* E from Mt. Davidson. The entire claim area is covered by sparse second growth pine and spruce, the result of still evident forest fire. Large numbers of dead snags are still standing. No outcrops are evident but the ground is covered by white rhyolite fragments.

Elevations range from 1,650 metres to 1,550 metres.

Regional Geology:

The Mt. Davidson area comprises a large volcanic pile of rhyolite, andesite, argillite and associated tuffs and breccias. Several drainages exhibit accumulations of seepage born brown sphalaritic deposits testing to 10,000 ppm Zn.

Geochemistry:

Reconnaissance soil geochemical sampling was conducted at 100 metre intervals covering the northwest and southwest quadrants (units) of the Mary Lou claim. Results are plotted on accompanying data location map.

Conclusions:

Further soil sampling should be continued at less than 50 metre intervals to outline the extent of the suspected ore deposit.

Qualifications:

1. One year college general geology course at Potsdam, N.Y., USA.
2. Two years field work under the direction of Mr. Michael Smith, geologist for B.P.-Selco, assistant to Dr. Stan Hoffman on the Gran 5,6,7 and Laid claims in the "Capoose" Fawnee Mountain area.
3. Present prospecting and field work done under self direction with sample analysis and advice from Mr. Ronald G. McArthur, District Geologist, Noranda Exploration, 1750 Quinn St., Prince George, B.C.

David H. Rozek

Statement of Costs

Geochemical: 50 samples July 26, 27, 28; 1987

3 days at 100.00/man/day	\$300.00
Groceries at 12.00/man/day	36.00
Sample Analysis Costs 50 x 5.00	250.00
Explosives for sample test holes	350.00
Transportation Costs	47.00
Assessment Report Preparation	100.00
	<hr/>
Total	\$1083.00

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: SOIL

ASSAYER: ... *D. Toye* ... DEAN TOYE, CERTIFIED B.C. ASSAYER

JOHN BLACKWELL File # 87-5499 Page 1.

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM
B-1	9	5	34	.1	8
B-2	27	9	61	.4	12
B-3	8	18	65	.4	10
B-4	5	9	34	.2	5
B-5	14	15	93	.5	32
B-6	5	13	32	.1	8
B-7	7	12	32	.3	8
B-8	13	13	75	.9	8
B-9	3	6	17	.1	2
B-10	2	13	16	.1	2
B-11	11	12	51	.3	11
B-12	8	13	59	.1	12
B-13	10	10	65	.4	29
B-14	8	17	56	.3	15
B-15	3	10	16	.2	2
B-16	14	11	99	.3	10
B-17	34	15	173	.4	44
B-18	7	6	59	.3	10
B-19	9	10	48	.2	37
B-20	8	7	54	.1	65
B-25	12	10	92	.4	40
B-26	12	2	65	.7	13
B-27	13	6	69	.8	18
B-28	8	10	70	.1	16
B-29	7	12	33	.1	10
B-30	11	17	54	.5	17
B-31	14	9	75	.4	16
B-32	10	10	61	.2	4
B-261	13	5	70	.6	17
C-1	8	10	47	.1	4
C-2	3	9	17	.2	2
C-3	6	10	63	.5	4
C-4	8	6	70	.2	7
C-5	7	8	61	.1	4
C-6	6	12	30	.1	8
C-7	8	10	71	.3	12
STD C	61	38	132	7.6	40

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM
C-8	27	9	77	.5	72
C-9	23	14	131	.2	38
C-10	12	12	68	.1	12
C-11	16	12	78	.2	26
C-12	16	27	75	.3	32
C-13	6	10	34	.2	3
C-14	9	13	69	.1	12
C-15	7	12	30	.1	3
C-16	7	10	38	.1	8
C-17	12	13	69	.2	12
C-18	14	8	50	.4	26
C-19	14	20	72	.8	46
C-20	14	11	58	.2	28
C-21	16	16	96	.1	28
C-22	14	16	58	.2	39
C-23	11	9	84	.1	15
C-24	6	13	43	.4	4
C-25	8	20	69	.5	13
C-26	6	11	36	.2	2
C-27	7	12	49	.1	3
C-28	11	13	61	.3	18
C-29	11	11	46	.2	12
C-30	10	17	49	.2	13
C-31	12	15	146	.1	21
C-32	9	13	62	.2	12
C-33	9	12	43	.3	11
C-34	8	11	36	.2	3
C-35	9	2	51	.1	12
M-1	13	9	74	.3	11
M-2	10	5	58	.1	4
M-3	10	9	46	.1	5
M-4	12	8	60	.1	4
M-5	12	10	118	.3	2
M-6	10	13	98	.3	2
M-7	12	8	54	.1	6
M-8	10	9	49	.2	3
STD C	61	37	131	7.4	39

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM
M-9	10	8	62	.5	7
M-10	11	9	93	.2	10
M-11	10	7	50	.1	4
M-12	10	8	75	.2	7
M-13	19	11	133	.5	16
M-14	13	10	61	.4	11
M-15	12	14	60	.3	5
M-16	12	8	74	.2	5
M-17	10	11	57	.5	9
M-17A	11	3	54	.2	11
M-18	7	13	46	.1	4
M-20	13	15	85	.2	7
M-21	19	15	101	.9	14
M-22	11	8	62	.2	5
M-23	14	12	77	.3	9
M-24	9	10	57	.3	9
M-25	8	16	43	.2	3
M-26	13	7	41	.1	9
M-27	8	13	54	.1	3
M-28	10	11	65	.3	8
M-29	12	13	69	.2	8
M-30	12	13	72	.1	8
M-31	8	15	51	.3	4
M-32	11	15	66	.2	9
M-33	13	18	76	.2	6
M-34	8	32	68	.3	5
M-35	9	28	68	.1	8
M-36	11	18	72	.4	6
M-37	8	19	54	.2	3
M-38	27	20	73	.2	13
M-39	6	20	35	.2	5
M-40	9	22	74	.2	10
M-41	33	23	114	.5	13
M-42	7	27	67	.1	5
M-43	12	37	130	.6	5
M-44	11	14	66	.1	4
M-45	10	17	63	.5	2
STD C	58	39	131	7.0	37

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM
M-46	11	15	68	.2	13
M-47	11	20	70	.5	8
M-48	11	12	70	.5	10
M-49	16	16	62	.4	10
M-50	5	25	51	.2	3
140-100	9	14	49	.4	37
140-200	17	13	81	.5	24
140-300	10	13	58	.6	25
140-400	11	12	56	.3	59
140-500	11	15	94	.3	77
140-600	8	14	61	.4	9
210-300	34	13	68	.8	87
NO NUMBER 1	9	19	47	.1	8
NO NUMBER 2	8	25	45	.1	7
STD C	62	41	131	7.6	43

MARY LOU MINERAL CLAIM
(MT. DAVIDSON)

Geochem Sample Location Map

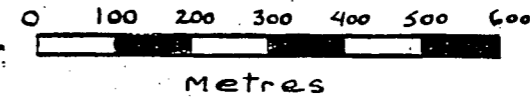
Scale 1:10,000

Lat 53°10' N Long 124°50' W

NTS 93F2W

Legend

- soil sample
- △ rock chip
- claim post
- claim line (approx)



Cu in PPM's

14-1 = sample #
X = ppm

LCP
PEM
554(3)

50/5	47/6	45/11	43/11	41/11
41/33	42/7	43/2	44/1	45/10
40/9	37/6	38/21	37/8	
33/15	34/8	35/9	34/11	
32/11	31/8	34/2	29/2	28/10
27/19	27/1	23/4	24/4	25/8
27/3	18/7	17/11	17/10	
13/19	14/13	15/12	14/12	
12/10	11/10	11/1	11/10	11/12
1/13	2/10	3/10	4/12	5/12
			6/10	

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**GEOLOGICAL BRANCH
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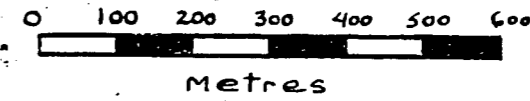
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MARY LOU MINERAL CLAIM
(MT. DAVIDSON)

Geochem Sample Location Map
Scale 1:10,000
Lat 53°10' N Long 124°50' W
NTS 93F2W

Legend

- soil sample
- △ rock chip
- claim post
- claim line (approx)



PB in PPM's

M- $\frac{1}{x}$ = sample #
x = ppm

LCP
PEM
554(3)

50/25 49/16 48/17 47/20 46/15
41/23 47/37 43/37 44/14 45/17
40/22 39/20 38/20 37/19
37/18 34/32 33/28 34/18
32/15 31/15 30/13 29/13 28/11 27/13
21/15 22/8 23/12 24/10 25/16 26/7
20/15 18/13 17/13 17/11
13/11 14/10 15/14 16/8
12/8 11/7 10/9 9/3 8/2 7/8
1/9 2/5 3/2 4/8 5/10 6/3

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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,435

MARY LOU MINERAL CLAIM
(MT. DAVIDSON)

Geochem Sample Location Map

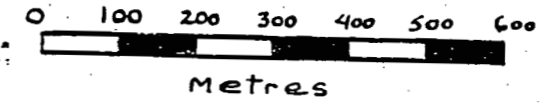
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Lat 53°10' N Long 124°50' W

NTS 93F2W

Legend

- soil sample
- △ rock chip
- claim post
- claim line (approx)



Zn in PPM's

H - / = sample #
X = ppm

LCP
PEM
554(3)

50/51 49/62 48/70 47/70 46/68
 41/114 42/67 43/130 44/66 45/63
 40/72 39/35 38/73 37/54
 33/76 34/60 35/68 34/72
 32/6 31/51 30/72 29/62 28/65 27/54
 21/101 22/62 23/77 24/57 25/43 26/41
 20/55 19/46 18/54 17/57
 13/133 14/61 15/60 16/74
 12/75 11/50 10/63 9/62 8/49 7/54
 1/74 2/58 3/46 4/60 5/18 6/98

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ASSESSMENT REPORT

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MARY LOU MINERAL CLAIM
(MT. DAVIDSON)

Geochem Sample Location Map

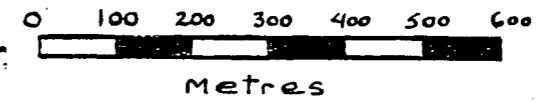
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Lat 53°10' N Long 124°50' W

NTS 93F2W

Legend

- soil sample
- △ rock chip
- claim post
- claim line (approx)



AG in PPM's

M-1 = sample #
X = PPM

LCP
PEM
554(3)

50/2 47/4 48/5 47/5 44/2
 41/5 42/1 43/6 44/1 43/5
 40/2 39/2 39/2 37/2
 33/2 34/3 39/1 34/4
 32/2 31/3 39/1 29/2 29/3 27/1
 24/9 27/2 29/3 29/3 29/2 24/1
 20/2 13/1 17/2 17/5
 13/5 14/4 15/3 14/2
 12/2 11/1 19/2 11/5 8/2 7/1
 1/3 2/1 3/1 4/3 5/3 4/3

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Geochem Sample Location Map

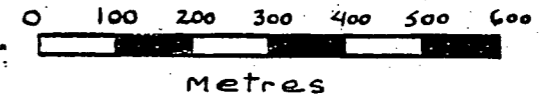
Scale 1:10,000

Lat 53°10' N Long 124°50' W

NTS 93F2W

Legend

- soil sample
- △ rock chip
- claim post
- claim line (approx)



AS in PPM's

M- $\frac{1}{x}$ = Sample #
X = PPM

LCP
PEM
554(3)

50/3 47/10 48/10 47/3 46/13
 41/13 42/5 43/5 44/4 45/2
 40/10 39/5 38/13 37/3
 33/6 34/5 35/3 36/6
 32/9 31/4 30/3 29/3 28/3 27/3
 21/14 22/5 23/9 24/9 25/3 26/9
 20/7 19/4 17/11 17/9
 13/16 14/11 15/5 16/5
 13/7 14/4 10/10 9/4 8/3 7/6
 1/11 2/24 3/5 4/4 5/2 6/2

E