

82-#654-10696

GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE
OLD FORT 2, BAD NEWS AND OLD FORT
MOUNTAIN 1 - 6 CLAIMS
OMINECA MINING DIVISION

NTS: 93M / 1W

Latitude: 55° 05' North

Longitude: 126° 23' West

Owner & Operator:

Lornex Mining Corporation Ltd.
P.O. Box 10335, Pacific Centre
1650 - 609 Granville Street
Vancouver, B. C.
V7Y 1G5

Report By: M. L. Serack

Date: October 7, 1982

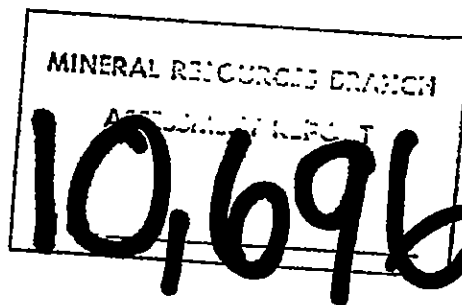


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	(c) Old Fort 5 & 6 Zn Geochemistry	In Pocket

INTRODUCTION

Location and Access:

The Old Fort claims are located between the two northward projecting arms of Babine Lake and cover the southern two-thirds of Old Fort Mountain (Figure 1). They lie at 55° 05' N and 126° 23' W. The claims are most easily accessible by helicopter from Smithers 65 km to the southwest. The southern claims may also be reached by boat from Smithers Landing three km south.

Topography and Physiography:

The lookout at Old Fort Mountain forms the highest point on the property at 1579 m (5,148 feet), from which the claims extend down to the 736 m (2,400 ft) elevation.

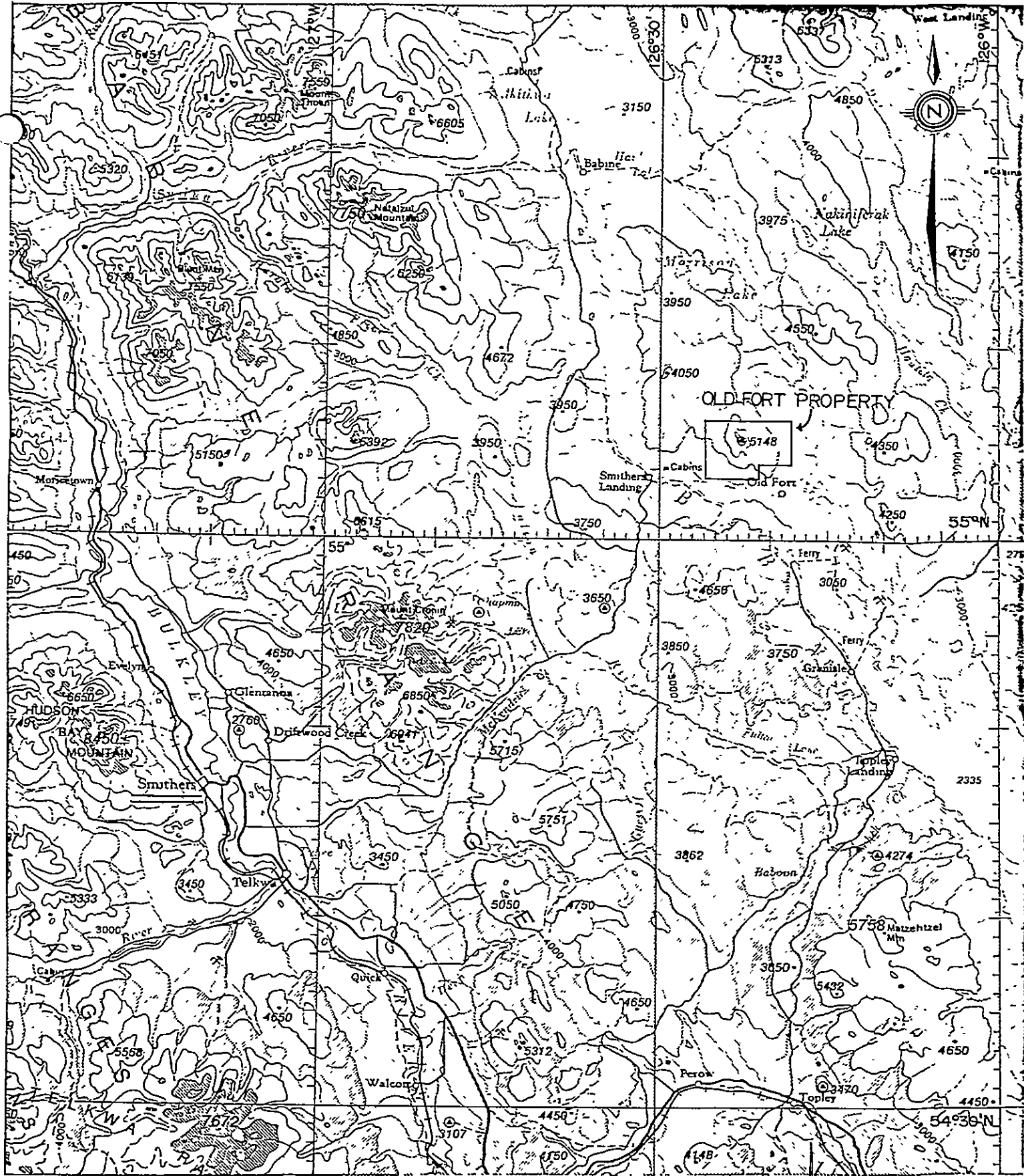
The property is covered by a variety of flora. On the upper slopes, with well developed till, stands mature open forest while in moister areas a tangle of devil's club and willows is encountered with black spruce.

Weedy open meadows with thick, 1.6 m (five foot) tall cover are present generally below the 1135 m (3,700 foot) elevation. These contain stands of poplar and cottonwood. Near stream beds, coniferous trees are more evident.

Most of the property is covered by deep glacial till. Rock exposure is generally limited to the steep vertical exposures near the peak of the mountain or at height of land.

Exploration History:

During the property's known history, many companies have held various parts of the ground and a variety of work has been performed. Unfortunately there is insufficient overlap of the data to permit a program based on past programs, thus this survey attempts to tie together relevant information. The following is a table of previous work on the property:



LORNEX MINING CORPORATION LTD.

OLD FORT PROPERTY

Figure 1 - LOCATION MAP

NTS: 93 M I

0 10 km

Scale: 1:500,000

<u>Year</u>	<u>Company</u>	<u>Work Performed</u>
1966	Norfal	Geology
1967	Grandora Golden West Mines Newmont Tro Buttle Expl.	Ground Magnetism Airborne EM Survey Magnetism, Soil & Silt, Geochem, Geology Ground Magnetism, Soil Sampling
1968	Texasgulf Grandora Expl. Ltd. Golden West Mines Falconbridge Canadian Superior Canex Aerial Expl.	Soil Sampling Magnetometer Survey Airborne and Ground EM, Ground Magnetism Magnetometer Survey IP, Soil Geochem, Magnetism, Diamond Drilling Geophysics
1970	Falconbridge Noranda	Trenching, Geology Magnetic, Electromagnetic & Geochemical Surveys
1971	Falconbridge	Geophysics, IP
1973	LUC Syndicate Westfrob Mines Ltd.	Geochem, IP, Geology Geophysics, Magnetism, Airborne EM
1974	Noranda Falconbridge	IP, Geochem, Diamond Drilling Geology
1976	Cities Service Minerals	IP

Claim Groups: (Figure 2)

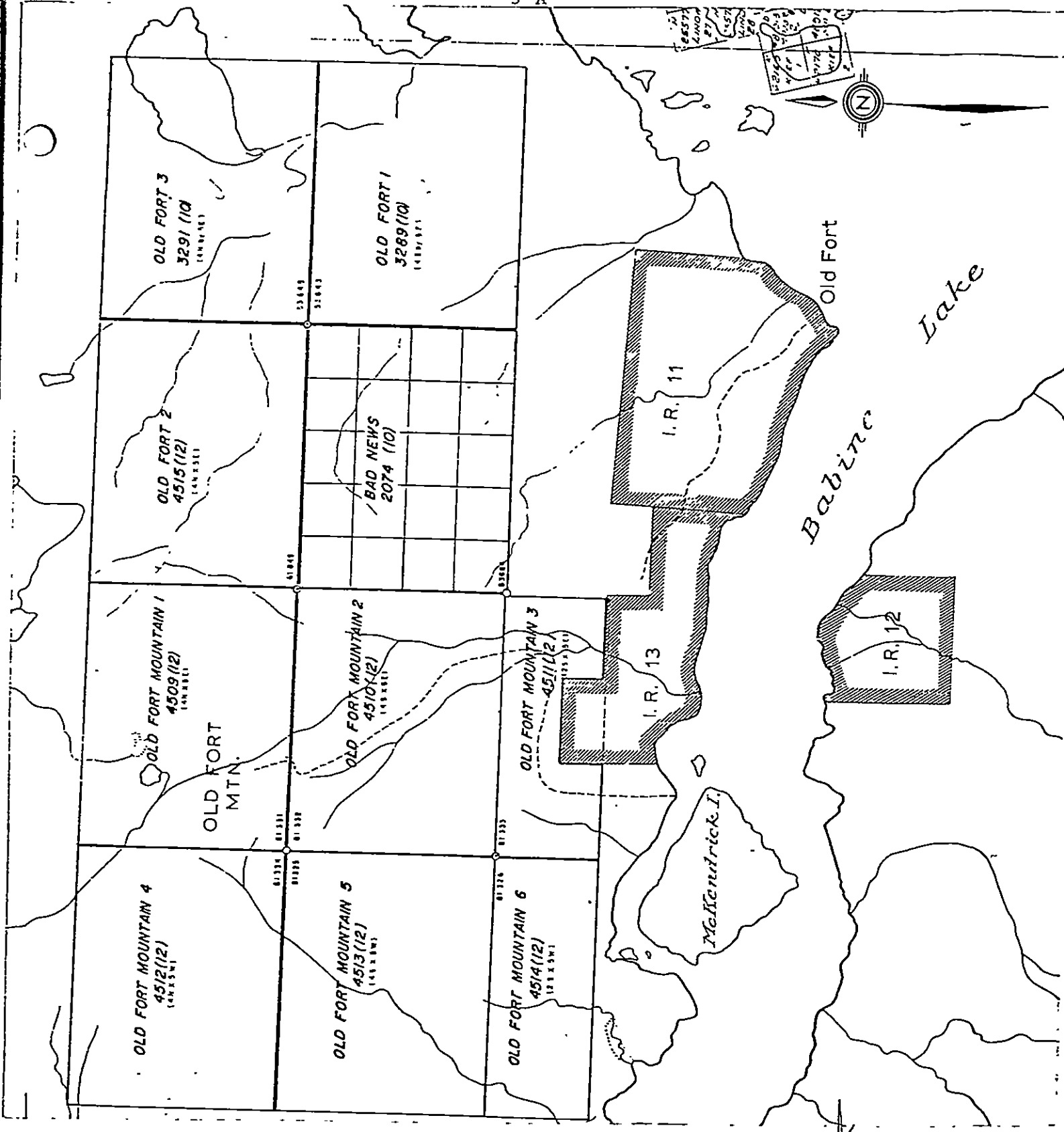
The Old Fort property consists of eight claims as follows:

<u>Claim</u>	<u>Units</u>	<u>Expiry Date</u>
Old Fort 2	20 units	December 17, 1982
Bad News	20 units	October 11, 1982
Old Fort Mountain 1	20 units	December 17, 1982
Old Fort Mountain 2	20 units	December 17, 1982
Old Fort Mountain 3	10 units	December 17, 1982
Old Fort Mountain 4	20 units	December 17, 1982
Old Fort Mountain 5	20 units	December 17, 1982
Old Fort Mountain 6	10 units	December 17, 1982

The claims are owned and operated by Lornex Mining Corporation Ltd.

GEOLOGYSedimentary Rocks - Unit 1

- a) Argillite - Dark grey to black, weathering grey black with rusty patches; contains up to 1% cubic pyrite finely disseminated; platy parting schistosity; found only in one location and appears relatively unaltered.
- b) Marine Siltstone - Light grey to grey black with uniform density; weathers to a light brown grey; has hackly fracture to parting along bedding planes 2-3 mm thick; contains remains of pelecypods, brachiopods and belemnites(?) or cephalopods; calcareous cement in matrix; cut by calcite veining; locally silicified.



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○ OLD FORT PROPERTY

Figure 2 - CLAIM MAP

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NTS: 93 M IW

0 500 1000 m.

Scale: 1:50,000

- c) Marine Sandstone - Fine grained to medium grained, medium grey weathering to medium or light grey; contains coarser and finer lenses; coarser components contain crystals and clasts (1-2 mm in size) of volcanic grains; cut by narrow quartz veining in places; some cherty lenses and fragments; contains 3-5% disseminated and bleb pyrite.
- d) Interbedded Volcanic Tuff/Sandstone - Contains predominantly angular shards of chert and feldspar in a dark grey matrix which weathers jet black to rusty brown; contains 3-5% pyrite in blebs; is interbedded with Marine Siltstone.
- e) Hornfelsed Equivalents of 1(a)-(d) - Red brown to black fine grained rock; may contain rounded 1 mm grains of quartz or chert with 1% pyrite in disseminations and blebs up to 2 mm - may be the equivalent of the Marine Sandstone. Carbonate veining in this unit is apparent along what appears to be rough bedding planes (discerned by textural differences). The rock is extremely dense for its size and weathers red brown to black; some sphalerite and pyrite veining was observed in this unit; gradational units through a deep grey colour can be observed; siliceous or cherty pods are recognized by conchoidal fracture; some bleached patches occur.
- f) Cherts - blue grey to greenish matrix containing 1-3% disseminated pyrite and weathering rusty brown to tan or grey brown; white and pinkish varieties were observed along some intrusive contacts where they appear almost migmatitic. It is uncertain as to what relation if any these have to the black cherts found interbedded with the Marine Siltstones and Sandstones.

Volcanic Rocks - Unit 2

- a) Tuffaceous Rocks - grey/green sucrosic siliceous medium-fine grained with up to 2% very finely disseminated pyrite; usually weathers a rusty brown with a pebbly or hackly appearance; sometimes contains bleached patches; sometimes obvious feldspar crystals can be seen and may be the equivalent of the interbedded tuff/sandstone mentioned previously; rough bedding is sometimes discernable

especially in altered types. Altered versions appear to have green chloritized lineations along bedding planes in light to dark grey matrix.

- b) Andesitic Volcanics - Very fine grained, grey-black weakly magnetic; may be epidotized, greenish grey. They appear to be slightly crystallized flow rocks in which 1-3 mm white to green feldspar phenocrysts are predominant in a sucrosic matrix which usually contains a trace of disseminated pyrite. Subhedral hornblende phenocrysts of variable size (1-4 mm) may be a minor or major constituent of the individual flows. Some augite andesite/dacite was seen to occur on the northwestern flank of the mountain.

Intrusive Rocks

- Unit A - Hornblende Granodiorite - mottled black and white sometimes modified with pinkish, greyish or reddish coloration, weathers to buff or rusty grey; may contain feldspar phenocrysts 1-2 mm in size and trace - 1% disseminated pyrite; quartz eyes are present, generally 1-3 mm in size and up to 15% of the rock. Hornblende forms 5-15% of the rock and may be altered to biotite or chlorite; may contain trace disseminated magnetite or molybdenum; may contain milky kaolin/sericitic alteration of feldspar; some disseminated (?) epidote observed.
- Unit B - Biotite Granodiorite - contains 15% 1-4 mm euhedral to subeuhedral quartz eyes; 10%-20% black biotite books; 2-3% disseminated pyrite occurs with some pyrite along fractures; may appear gneissic in places; can have pinkish to reddish equigranular matrix; may contain some chalcopyrite blebs and or malachite staining.
- Unit C - Aplite - White to grey, mafic poor fine grained sucrosic textured rock with 1-5% disseminated pyrite; may contain sizeable quartz fraction; weathers rusty brown; is generally found gradational into intrusive rocks or as dykes.

Units A, B, and C may all be extrusive/intrusive zonal features of the same rock type. Hornblende granodiorite has been seen altered to biotite granodiorite.

STRUCTURAL GEOLOGY

The major structural features evident on this property are the deeply incised creeks which are thought to mark post-intrusive faults, however, no lithological correlation could be found to confirm this premise. Geochemical anomalies are sometimes terminated by these valleys.

Strikes and dips on sediments were generally inconsistent due to abundant jointing, faulting and tilting of the strata during intrusion. Jointing is apparent on the siltstone outcrops at 340° and 020°. Quartz veining often fills the joints along which there may have been drop blocks.

MINERALIZATION

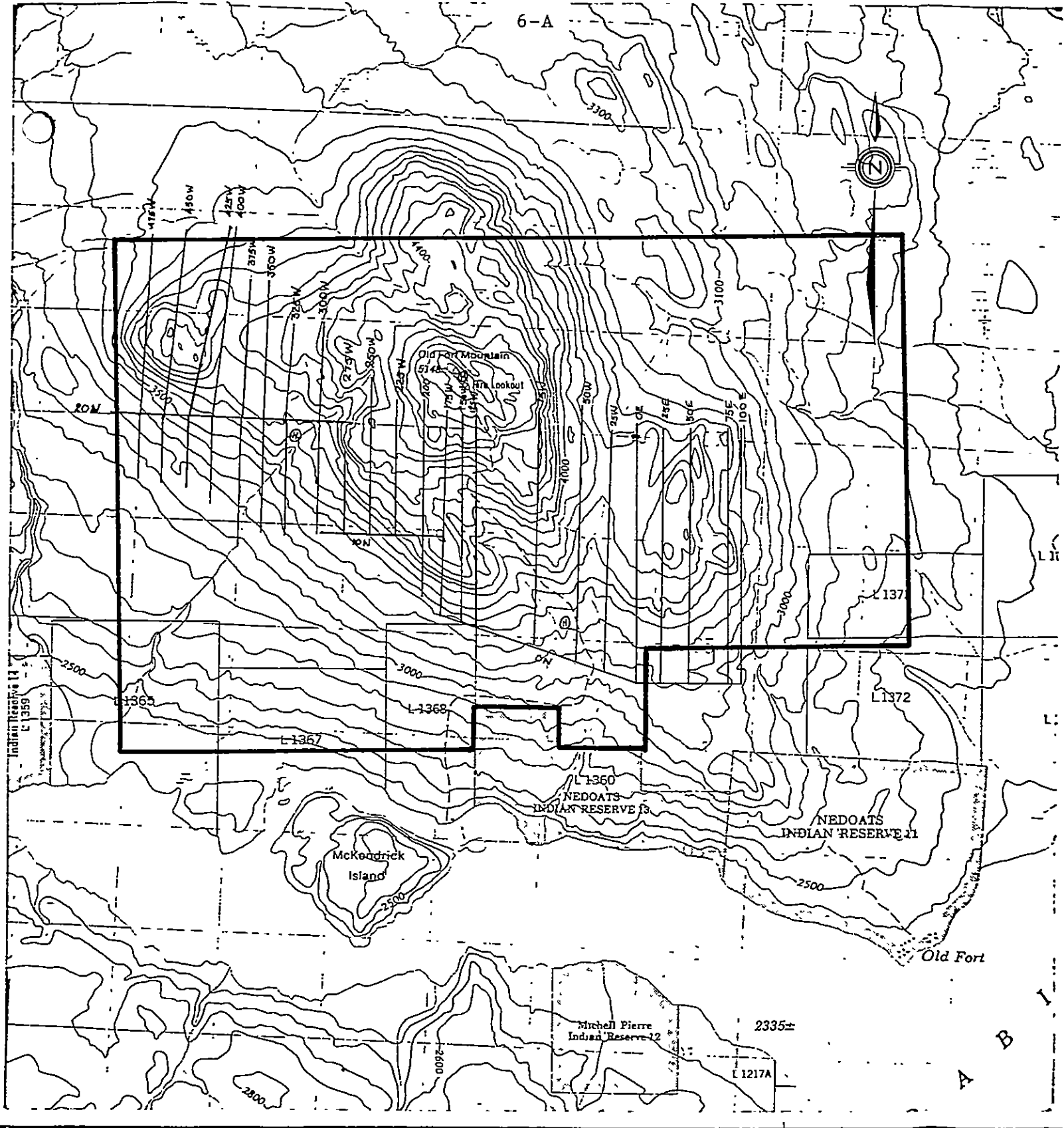
With the exception of pyrite relatively little was seen in the way of mineralization. Disseminated chalcopyrite with associated malachite staining was found at 27+00 N between lines 425 and 450 West.

Minor sphalerite was found in thin veins cutting altered sandstone about 50 m west of Line 50 E at approximately 16+00 N.

Magnetite or flecks of fine grained molybdenum were occasionally seen in the hornblende-granodiorite.

GEOCHEMICAL SURVEY

Between the period of July 7 and July 20, 1982, a total of 532 soil samples were collected at 100 m intervals along lines spaced 250 m apart. Lines were run north of a series of east-west baselines as indicated in Figure 3. The lines were established by compass and hipchain using a clinometer to adjust for variations in slope. Stations were flagged at 50 meter intervals. In all, 55.55 km of line was established.



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○ OLD FORT PROPERTY

[Handwritten Signature]

Figure 3 - GRID LOCATION MAP

NTS: 93M1W

0 1000m

Scale: 1:50,000

The soil samples were taken from the 'B' horizon below root level at depths of 15-25 cm. For the most part they consisted of golden to reddish brown well oxidized silt to clay. Samples were allowed to air dry for a period of 2-3 days before being packed and shipped to Vangeochem Labs Ltd. in North Vancouver for analysis. Analyses for Cu, Mo and Zn were done on all samples and additional analyses for Ag were done on 263 samples from the eastern portion of the property.

Rock samples were pulverized and soil samples sieved through 80 mesh standard sieves. The samples were then digested in a solution of 15% concentrated nitric acid and 85% perchloric acid. Analyses for Mo, Cu, Zn and Ag were done by Vangeochem Lab. staff utilizing Atomic Absorption Spectrographic techniques.

CONCLUSIONS

Analytical results for rock geochem done for this survey gave little in the way of encouragement. Generally, results were at or below soil geochem values for the specific locality. The exception is an outcrop of Unit A which was seen to contain a fleck of molybdenum near line 75W 16N which gave a slightly anomalous molybdenum soil value. Samples of Unit A and B near lines 425W and 450W at 27N were seen to have flecks of chalcopyrite and malachite but did not return significant values. Outcrop of Unit 2b near line 175W gave a value of 1250 ppm Zn.

Generally the oldest rocks on the property are the marine sedimentary sequences which are overlain by volcanic tuffaceous rocks of andesitic and dacitic composition.

These sediments have been faulted, tilted and horfelsed by intrusive rocks A, B and C. A, B and C are thought to be age equivalent facies of the intrusive showing differentiation of the magma. The hornblende granodiorite is usually found as the marginal facies to the biotite granodiorite and in some instances an intermediate facies containing both mafic minerals is present.

The andesitic volcanics pre-date the intrusive rocks. It is uncertain from the limited mapping completed in this survey whether or not they pre-date or post-date the sedimentary sequence.

The flow rocks appear to contain pyroxene and hornblende phenocrysts in some phases and predominant white feldspar phenocrysts in others. Differentiation of the parent magma is apparent in the outcrops seen. Epidote alteration is probably related to the intrusion of Units A, B and C.

Statistical evaluation of soil sampling results using the top 10% of values obtained (see Table 1) would indicate values greater than 4 ppm Mo, 65 ppm Cu, .5 ppm Ag and 300 ppm Zn to be anomalous. These values are only weakly anomalous when considering "typical" values for these rock types. Most soil anomalies consist of single point spot "highs".

On the Bad News claim (Figure 4a) anomalous Cu areas occur on Lines 25E at 13-14N and 3N and 50E at 15N. Mo is anomalous on Lines 0E at 13N and 24N, 25E at 3N and 50E at 16N and 19N (Figure 4b). Zn is anomalous (Figure 4c) on Lines 100E 10N, 0E 6N, Ag values tend to occur with Cu anomalies (Figure 4d).

On Old Fort 2 and 3 claims, Cu "anomalies" occur at 200W 8-11N, 175W 9&10N and 150W 7&8N (Figure 5a). Spot Mo anomalies occur at 75W 1, 19 and 23N, 50W 21N and 25W 21N (Figure 5b). Zn highs (Figure 5c) occur at 19N 275W and 12N 225W. Spot Ag is apparent on Lines 25E 3N and 14N, and 25W 8N (Figure 5d).

Lines 475W and 450W are anomalous for Cu between 26 and 33N on the Old Fort Mountain 4 claim (Figure 6a). Line 425W has anomalous Cu readings between 19 and 23N. Mo "Highs" occur at Line 475W 28&29N, Line 45W 27&28N, Line 425N 26&28N (Figure 6b). Anomalous Zn readings were obtained on Lines 200W 19&20N and 250W 14N (Figure 6c).

Cu is anomalous at Line 375W 14N and 250W 10N on Old Fort 5 (Figure 7a). Zn is anomalous at 19N Line 275W, 14N 250W and 12N Line 225W (Figure 7c). No molybdenum anomalies were located in this area (Figure 7b).

TABLE I
 STATISTICAL BREAKDOWN OF ANALYTICAL RESULTS

Mo (ppm)	Number of Samples	Cu (ppm)	Number of Samples
nd	110	0- 10	61
1	155	11- 20	228
2	186	21- 30	93
3	54	31- 40	38
4	10	41- 50	40
5	7	51- 60	11
6	5	61- 70	15
7	2	71- 80	12
10	3	81- 90	8
		91-100	3
		101-200	20
		> 200	3
Ag (ppm)	Number of Samples	Zn (ppm)	Number of Samples
nd	133	0-100	169
.1	42	101-200	268
.2	38	201-300	59
.3	23	301-400	14
.4	10	401-500	8
.5	6	501-600	6
.6	5	601-700	1
.7	4	701-800	2
.8	2	> 1000	4
	—	> 2000	1
Total	263		

TOTAL NUMBER OF SAMPLES: 532

REFERENCES

BCDM AR # 761, 969, 998, 1048, 1102, 1240, 1253, 1255,
1568, 1571, 1611, 1808, 1854, 2047, 3260, 4486,
4591, 5058, 5941.

BCDM GEOL. COMPILATION MAP 69-1 #215.

GSC MEMOIR 223, Mineral Resources, Hazelton and Smithers
Area, Cassiar and Coast Districts, British Columbia.

COST STATEMENTLABOUR

1 GEOLOGIST (M.L. Serack)		
July 5-20 incl. (Field Work)	16 days	
Sept 13-17 " (Drafting)	5 "	
Sept 20-23 " (Report Writing)	4 "	
	25 days @ \$168/d	\$ 4,200.
2 CONTRACT SOIL SAMPLERS (T. & P. MacKenzie)		
July 5-20 inclusive @ \$135/man day		
x 16 days x 2		4,320.
1 CONTRACT SOIL SAMPLER (C. Hobson)		
July 15-20 inclusive (6 days) @ \$100/man day		600.

ACOMMODATION AND LIVING EXPENSES

3 persons travel between Vancouver and Smithers		
= 17 man days @ \$60/man day		1,020.
Camp Costs: 3 men x 11 days @ \$35/day		1,155.
1 man x 6 days @ \$35/day		210.

TRANSPORTATION

Truck Rental - July 5-22 inclusive		
18 days @ \$610/month (30 days)		365.
1152 km Vancouver/Smithers x 2 @ \$.12/km		276.48
Operating Expenses (gas, oil, etc.)		310.
Air Fare - Smithers-Victoria (T & P. MacKenzie)		293.80
Helicopter - 5.7 hrs camp mob/demob. @ \$496/hr		2,827.20

COST STATEMENT

(con't)

EQUIPMENT RENTAL

1 Radio - 2 wks @ \$150/month	75.
1 Chain Saw @ \$15/day x 3 days	45.

EXPENDIBLES

Hipchain, Flagging, Sample Bags, etc.	200.
---------------------------------------	------

ANALYSIS

263 Soils: preparation and anlysis for Mo, Cu, Ag @ \$4.10 each	1,104.60
269 Soils: preparation and analysisfor Mo, Cu, Zn @ \$4.20 each	1,129.80
263 Soils: prepartion and analysis for Zn @ \$1.85 each	486.55
45 Rock Geochem for Mo, Cu, Pb, Zn, Ag, Au @ \$11.65 each	524.25

PRINTING AND REPORT PREPARATION

1,500.

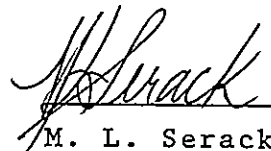
TOTAL

 \$20,642.68

STATEMENT OF QUALIFICATIONS

I, MARJORIE L. SERACK, with business address at Suite 1650, 609 Granville Street, Vancouver, B. C. do hereby state:

1. I hold a BSc. (Honours) Degree in Geology from the University of Saskatchewan (1979).
2. I have been practising my profession for four years, being employed by such firms as Saskatchewan Mining Development and Cominco Ltd.
3. That I am presently employed by Lornex Mining Corporation Ltd.



M. L. Serack
Field Geologist

October 5, 1982

CERTIFICATION

I, David R. Budinski of the City of North Vancouver in the Province of British Columbia hereby certify as follows:

1. That I am a registered Professional Geologist in the Province of Alberta and a Fellow of the Geological Association of Canada.
2. That I am presently employed by Lornex Mining Corporation Ltd. of Vancouver, B. C. as Manager of Exploration.
3. That I have practiced my profession for the past 27 years since graduation from the University of Alberta in 1955 with a B.Sc. degree in geology.
4. That I directed the exploration program on the Old Fort property conducted by Ms. M. L. Serack in July, 1982.

Dated at Vancouver, British Columbia this 7th day of October, 1982.

David Budinski

APPENDIX A

GEOCHEMICAL VALUES



VANGEOCHEM LAB LTD.
1521 PEMBERTON AVE.,
NORTH VANCOUVER, B.C.,
CANADA V7P 2S3

TELEPHONE: 986-5211
AREA CODE: 604

Certificate of Geochemical Analyses

• Specialising in Trace Elements Analyses •

-IN ACCOUNT WITH-

Lornex Mining Corporation Ltd.
P.O. Box 10355 Stock Exchange Tower
Suite 1650 - 609 Granville St.
Attention: Vancouver, B.c. V7A 1G5
M.L. Serack

Report No: 82-53-025 Page 1 of 2
Samples Arrived: August 17, 1982
Report Completed: August 26, 1982
For Project: 5406 Job No. 82-155
Analyst: VGC Staff Invoice No. 6927

Sample Marking	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
082 -S01 OF	nd	20	21	46	nd	10
02	2	16	18	75	nd	10
03	1	24	16	70	nd	20
04	2	136	15	66	0.4	10
05	3	16	15	51	0.1	10
06	3	68	46	98	0.1	10
07	2	18	15	82	nd	20
08	2	25	13	43	nd	10
09	1	19	20	36	nd	nd
10	1	114	12	40	nd	nd
11	1	140	18	144	0.1	nd
12	2	125	16	51	0.2	nd
13	4	18	11	20	nd	nd
14	1	76	12	26	nd	20
15	1	40	13	26	nd	nd
16	1	41	10	55	nd	nd
17	3	6	12	62	nd	10
18	1	13	10	171	nd	10
19	nd	22	16	48	nd	20
20	1	14	13	16	nd	nd
21	2	21	11	61	2.0	10
22	3	16	16	55	nd	20
23	3	15	26	120	nd	20
24	2	12	8	29	0.1	nd
25	2	30	11	71	0.2	30
27	1	8	8	39	nd	20
31	1	9	6	24	nd	nd
41	2	19	11	375	nd	nd
45	3	22	10	55	nd	20
47	3	4	4	56	nd	10
52	1	18	16	105	0.2	20
53	2	10	12	1250	nd	10
57	3	29	22	96	nd	20
082 -S58 OF	2	6	15	82	nd	10
F82 -S59 OF	3	32	15	61	nd	nd
082 -S60 OF	1	34	10	47	nd	20
61	1	34	7	40	0.1	nd
62	4	121	9	86	nd	20
082 -S63 OF	2	88	10	19	nd	20

MASTER PRINTING LTD

REMARKS:

Signed:

% Mo x 1.6683 = % MoS₂ 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million
All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



VANGEOCHEM LAB LTD.
 1521 PEMBERTON AVE.,
 NORTH VANCOUVER, B.C.,
 CANADA V7P 2S3

TELEPHONE: 986 5211
 AREA CODE: 604

Certificate of Geochemical Analyses

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—IN ACCOUNT WITH—

Lornex Mining Corp. Ltd.
 Suite 1650, 609 Granville St.
 Vancouver, B. C. V7Y 1G5
 Attention:

Report No: 82-53-029 Page 1 of 7
 Samples Arrived: Aug. 28, 1982
 Report Completed: Sept. 10, 1982
 For Project: 5406 Job No. 82-191
 Analyst: VGC Staff Invoice No. 6976

Sample Marking	Mo ppm	Cu ppm	Zn ppm			
20+00W 5+00N	1	54	150			
6+00	1	20	95			
7+00	2	23	78			
8+00	1	68	550			
9+00	2	57	690			
10+00	2	29	2760			
11+00	1	10	460			
12+00	2	42	198			
13+00	2	46	375			
14+00	1	10	91			
15+00	nd	17	78			
16+00	2	5	46			
17+00	1	13	112			
18+00	2	9	255			
19+00	2	26	450			
20+00	3	68	1580			
21+00	2	9	140			
22+00	2	19	222			
23+00	1	12	150			
20+00W 24+00N	2	12	125			
22+50W 10+00N	1	18	275			
11+00	2	50	368			
12+00	2	24	1200			
13+00	nd	28	375			
14+00	2	14	220			
16+00	2	15	71			
17+00	nd	19	110			
18+00	1	4	68			
19+00	1	24	110			
20+00	nd	10	74			
21+00	2	26	210			
22+00	nd	15	120			
23+00	1	14	125			
24+00	2	30	151			
22+50W 25+00N	2	52	152			
25+00W 10+00N	2	175	245			
11+00	1	50	310			
12+00	nd	18	125			
25+00W 13+00N	1	48	242			

MASTER PRINTING LTD

REMARKS:

[Handwritten Signature]
 Signed: _____

% Mo x 1.6683 = % MoS₂ 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million
 All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



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TELEPHONE: 986-5211
 AREA CODE: 604

Certificate of Geochemical Analyses

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—IN ACCOUNT WITH—
Lornex Mining Corp. Ltd.

Report No: 82-53-029
 Samples Arrived:
 Report Completed:
 For Project:
 Analyst:

Page 2 of 7
 Job No.
 Invoice No.

Attention:

Sample Marking	No ppm	Cu ppm	Zn ppm			
25+00W 14+00N	5	40	400			
15+00	3	17	107			
16+00	2 ^A	88	210			
17+00	nd	62	160			
18+00	1	8	96			
19+00	2	8	148			
20+00	1	5	53			
21+00	2	7	68			
22+00	1	6	28			
23+00	nd	5	33			
24+00	2	8	75			
25+00W 25+00N	2	22	83			
27+00W 12+00N	1	42	223			
27+00W 13+00N	1	17	239			
27+50W 10+00N	3	15	128			
11+00	3	52	160			
14+00	1	42	128			
15+00	1	33	284			
16+00	2	60	225			
17+00	1	25	233			
18+00	1	17	174			
27+50W 19+00N	4	126	600			
30W 10+00N	2	19	225			
11+00	1	15	296			
12+00	3	20	190			
13+00	2	17	287			
14+00	2	13	127			
15+00	1	7	101			
16+00	2	18	110			
17+00	1	25	100			
18+00	2	14	120			
19+00	1	6	75			
20+00	3	46	184			
21+00	nd	13	133			
22+00	1	11	152			
23+00	1	11	121			
24+00	1	6	80			
25+00	1	19	80			
30W 26+00N	1	12	160			

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REMARKS:

Signed:

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 NORTH VANCOUVER, B.C.,
 CANADA V7P 2S3

TELEPHONE: 986-5211
 AREA CODE: 604

Certificate of Geochemical Analyses

• Specialising in Trace Elements Analyses •

—IN ACCOUNT WITH—
 Lornex Mining Corp. Ltd.

Report No: 82-53-029
 Samples Arrived:
 Report Completed:
 For Project:
 Analyst:

Page 3 of 7
 Job No.
 Invoice No-

Attention:

Sample Marking	Mo ppm	Cu ppm	Zn ppm			
30W 27+00N	1	16	136			
28+00	nd	21	371			
29+00	3*	9	46			
30+00	2	8	46			
31+00	2	40	163			
32+00	2	19	390			
33+00	1	16	42			
34+00	nd	20	79			
30W 35+00N	nd	16	88			
32.5W 10+00N	nd	30	130			
11+00	1	16	199			
12+00	3	73	142			
13+00	2	33	196			
14+00	1	31	107			
15+00	1	16	124			
16+00	1	10	187			
17+00	1	23	86			
18+00	2	41	72			
19+00	1	10	120			
20+00	nd	6	89			
21+00	2	13	158			
22+00	nd	15	72			
23+00	nd	15	96			
24+00	1	26	146			
25+00	1	13	122			
26+00	2	22	106			
27+00	2	16	70			
28+00	2	6	49			
29+00	nd	13	59			
30+00	1	9	34			
31+00	1	41	101			
32+00	2	18	56			
33+00	2	26	93			
34+00	2	35	104			
32.5W 35+00N	1	12	56			
35W 10+00N	1	87	118			
11+00	1	24	76			
12+00	1	71	159			
35W 13+00N	2	18	121			

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Lornex Mining Corp. Ltd.

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Samples Arrived:

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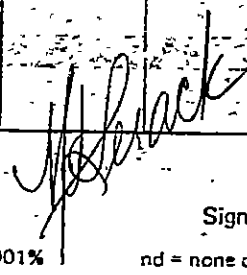
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Attention:

Sample Marking	No ppm	Cu ppm	Zn ppm			
35W	14+00N	1	12	91		
	15+00	3	40	248		
	16+00	1	9	191		
	17+00	2	18	132		
	18+00	3	16	299		
	19+00	3	16	124		
	20+00	3	18	95		
	21+00	2	9	75		
	22+00	2	10	60		
	23+00	1	14	116		
	24+00	1	10	92		
	25+00	2	12	194		
	26+00	3	9	62		
	27+00	1	16	146		
	28+00	1	14	105		
	29+00	2	20	96		
	30+00	3	13	80		
	31+00	2	19	109		
	32+00	1	11	154		
	33+00	1	20	140		
35W	34+00	2	14	86		
	35+00N	1	10	65		
37.5W	10+00N	1	24	84		
	11+00	nd	20	137		
	12+00	2	21	137		
	13+00	3	19	114		
	14+00	nd	100	140		
	15+00	nd	37	156		
	16+00	2	40	129		
	17+00	2	20	220		
	18+00	1	22	110		
	19+00	4	20	96		
	20+00	2	26	108		
	21+00	2	5	52		
	22+00	2	28	278		
	23+00	2	26	141		
	24+00	3	40	126		
37.5W	25+00	1	16	170		
	26+00N	1	10	74		

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Sample Marking	Mo ppm	Cu ppm	Zn ppm			
37.5W 27+00N	2	46	150			
28+00	nd	8	82			
29+00	2	13	88			
30+00	nd	20	103			
31+00	2	8	50			
32+00	9	15	210			
33+00	2	12	68			
34+00	3	34	108			
37.5W 35+00N	1	39	95			
40W 15+00N	1	16	74			
16+00	1	12	101			
17+00	nd	42	196			
18+00	nd	20	95			
19+00	1	24	90			
20+00	1	23	126			
21+00	nd	12	155			
22+00	nd	18	157			
23+00	nd	12	110			
24+00	1	16	127			
25+00	nd	14	90			
26+00	1	23	81			
27+00	nd	19	169			
28+00	3	12	82			
29+00	2	11	110			
30+00	1	6	54			
31+00	1	12	94			
32+00	nd	16	75			
33+00	2	66	92			
34+00	2	12	46			
35+00	3	9	60			
36+00	2	46	99			
37+00	nd	5	25			
38+00	nd	45	124			
39+00	nd	7	40			
40W 40+00N	nd	24	117			
42.5W 15+00N	1	7	120			
16+00	nd	5	95			
17+00	nd	18	95			
42.5W 18+00N	nd	74	137			

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REMARKS:

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Sample Marking	Mo ppm	Cu ppm	Zn ppm			
42.5W 19+00N	3	116	158			
20+00	nd	118	152			
21+00	2	142	215			
22+00	2	23	132			
23+00	3	120	300			
24+00	2	21	198			
25+00	2	21	114			
26+00	6	72	248			
27+00	2	42	149			
28+00	6	45	42			
29+00	3	47	103			
30+00	2	42	128			
31+00	2	88	100			
32+00	5	79	139			
33+00	2	16	182			
34+00	3	15	128			
35+00	7	68	107			
36+00	2	20	95			
37+00	2	16	68			
38+00	2	21	106			
39+00	nd	19	106			
42.5W 40+00N	2	15	84			
45W 15+00N	nd	16	103			
16+00	2	29	124			
17+00	1	18	104			
18+00	2	76	180			
19+00	1	20	104			
20+00	3	108	252			
21+00	3	36	105			
22+00	3	40	83			
23+00	2	44	136			
24+00	nd	51	124			
25+00	2	66	136			
26+00	3	210	253			
27+00	5	148	74			
28+00	10	120	115			
29+00	nd	6	28			
30+00	nd	10	57			
45W 31+00N	1	42	112			

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REMARKS:

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1 Troy oz./ton = 34.28 ppm

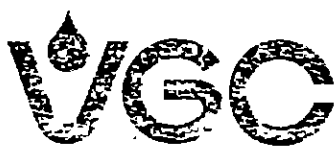
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Report No: 82-53-029

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Samples Arrived:

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Attention:

Sample Marking	Mo ppm	Cu ppm	Zn ppm			
45W 32+00N	6	45	62			
33-00	2	71	275			
34+00	5	46	104			
35+00	2	20	106			
36+00	3	43	112			
37+00	1	16	107			
38+00	3	9	62			
39+00	nd	9	58			
45W 40+00N	nd	12	89			
47.5W 15+00N	nd	26	107			
16+00	nd	9	81			
17+00	nd	23	157			
18+00	1	18	148			
19+00	nd	14	132			
20+00	nd	18	125			
21+00	2	14	180			
22+00	nd	36	120			
23+00	nd	17	209			
24+00	4	90	232			
25+00	1	16	200			
26+00	1	45	174			
27+00	2	92	123			
28+00	4	43	74			
29+00	60✓	111	90			
30+00	3	115	99			
31+00	6	69	132			
32+00	2	75	127			
33+00	nd	245	17			
34+00	nd	88	153			
35+00	2	70	135			
36+00	1	18	134			
37+00	nd	22	102			
38+00	2	10	70			
39+00	1	23	103			
47.5W 40+00N	1	11	105			

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Lornex Mining Corp. Ltd.
 P.O. Box 10355 Stock Exchange Tower
 Suite 1650 - 609 Granville St.
 Attention: Vancouver, B C V7A 1G5

Report No: 82 - 53 - 027 Page 1 of 7
 Samples Arrived: Aug. 28, 1982
 Report Completed: Sept. 7, 1982
 For Project: M L Serack Job No. 82-191
 Analyst: VGC Staff Invoice No. 6963

Sample Marking	Mo ppm	Cu ppm	Ag ppm		
00 E 0 + 00 N	1	18	nd		
1 + 00 N	nd	19	0.1		
2 + 00 N	1	8	nd		
3 + 00 N	1	16	nd		
4 + 00 N	2	54	0.2		
5 + 00 N	2	34	nd		
6 + 00 N	nd	18	nd		
00 E 7 + 00 N	1	10	nd		
0 E 8 + 00 N	1	18	nd		
9 + 00	1	19	nd		
10+ 00	2	43	nd		
11+ 00	1	10	nd		
12+ 00	2	36	nd		
13+ 00	4	17	nd		
14+ 00	2	26	0.1		
15+00	3	12	0.1		
16+ 00	1	20	nd		
17 +00	2	19	nd		
18+ 00	nd	10	nd		
19 +00	2	18	nd		
20+ 00	2	34	nd		
21+ 00	1	23	nd		
22+ 00	2	18	nd		
0 E 23+ 00 N	3	51	0.3		
00 E 24 N	5	46	0.3		
2.5 E 0 + 00N	3	22	nd		
1 + 00	2	11	nd		
2 + 00	1	10	nd		
3 + 00	4	112	0.6		
4 + 00	nd	20	0.1		
5 + 00	nd	16	nd		
6 + 00	1	9	nd		
7 + 00	2	16	nd		
8 + 00	2	45	nd		
9 + 00	2	17	nd		
10+ 00	1	29	nd		
11+ 00	1	11	0.1		
12+ 00	1	12	nd		
2.5 E 13+00 N	1	15	nd		

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REMARKS:

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Lornex Mining Corp. Ltd.

Report No: 82 - 53 - 027 Page 2 of 7

Samples Arrived:

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For Project:

Analyst:

Job No.

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Attention:

Sample Marking	Mo ppm	Cu ppm	Ag ppm			
2.5 E 14 * 00 N	1	12	0.3			
15 + 00	3	183	0.7			
16	2	110	0.5			
17	3	31	0.6			
18	2	25	0.2			
19	1	24	0.4			
20	2	18	0.1			
21	2	29	0.2			
22	3	238	0.4			
23	2	20	nd			
2.5 E 24 + 00 N	4	122	0.2			
2.5 W 0 + 00 N	2	18	nd			
1 + 00	2	20	0.1			
2	2	26	0.3			
3	2	14	nd			
4	1	15	nd			
5	2	9	nd			
6	1	8	0.1			
7	3	68	0.5			
8	2	72	0.7			
9	2	19	0.2			
10	2	16	0.3			
11	1	16	nd			
12	nd	24	nd			
13	2	24	nd			
14	3	15	nd			
15	1	18	nd			
16	2	51	0.6			
17	2	14	0.3			
18	2	16	0.2			
19	1	48	0.3			
20	2	11	nd			
21	7	39	0.5			
22	2	18	0.3			
23	3	47	0.4			
2.5 W 24 + 00 N	1	32	0.2			
5 E 0 + 00	nd	12	0.2			
1	1	10	0.2			
5 E 2 + 00 N	nd	23	0.1			

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REMARKS:

Signed: *[Signature]*

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Samples Arrived:

Report Completed:

For Project:

Analyst:

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Attention:

Sample Marking	Mo ppm	Cu ppm	Ag ppm			
5 E 3 + 00 N	2	14	0.1			
4	1	13	0.2			
5	2	9	0.1			
6	1	15	0.1			
7	1	16	nd			
8	1	11	0.2			
9	3	42	0.2			
10	2	15	nd			
11	3	67	nd			
12	nd	8	0.1			
13	nd	16	0.1			
14	1	14	nd			
15	2	10	0.1			
16	11	47	nd			
17	1	90	0.4			
18	3	60	nd			
19	5	72	nd			
20	1	9	0.1			
21	1	18	0.1			
22	2	23	nd			
23	2	21	0.4			
5E 24+00	1	11	0.1			
5W 0 +00	2	14	0.1			
1	1	32	0.2			
2	2	26	nd			
3	nd	16	nd			
4	2	69	0.8			
5	3	25	0.2			
6	1	20	nd			
7	2	22	nd			
8	nd	17	0.2			
9	1	15	0.2			
10	2	24	0.3			
11	2	18	nd			
12	2	22	0.2			
13	2	13	nd			
14	nd	11	0.1			
15	nd	14	nd			
5W 16+00N	nd	19	nd			

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Report No: 82-53-027

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Samples Arrived:

Report Completed:

For Project:

Analyst:

Job No.

Invoice No.

Attention:

Sample Marking	Mo ppm	Cu ppm	Ag ppm			
5W 17+00N	2	23	nd			
18	2	16	nd			
19	2	16	nd			
20	2	21	nd			
21	3	44	0.2			
22	5	74	0.4			
23	2	18	nd			
5W 24+00	2	61	0.1			
7.5W 0+00	1	20	nd			
1	2	24	0.2			
2	1	24	0.4			
3	2	23	0.4			
4	1	12	nd			
5	1	16	0.1			
6	nd	22	nd			
7	2	19	nd			
8	2	16	0.1			
9	2	20	nd			
10	2	18	0.2			
11	2	24	0.3			
12	2	29	0.1			
13	2	14	nd			
14	3	21	0.1			
15	4	40	nd			
16	2	9	nd			
17	2	17	nd			
18	6	172	nd			
19	2	59	nd			
20	1	16	nd			
21	nd	18	nd			
22	3	16	nd			
23	4	48	0.7			
7.5W 24+00	2	10	nd			
1.2W 0	1	24	0.3			
12+50W 1	2	16	nd			
2	3	20	nd			
3	3	15	0.1			
4	2	23	0.2			
12+50W 5N	2	21	0.1			

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Sample Marking	Mo ppm	Cu ppm	Ag ppm			
12+50W 6N	nd	12	0.3			
7	nd	15	nd			
8	nd	14	0.1			
9	nd	12	0.2			
10	1	16	0.2			
11	1	24	nd			
12	nd	20	0.2			
13	3	21	0.3			
14	3	24	nd			
15	2	16	nd			
16	2	12	0.3			
17	1	46	0.5			
18	nd	13	nd			
19	2	14	0.3			
12+50W 20	1	16	0.1			
15W 0+00	1	19	nd			
1	nd	26	nd			
2	1	19	nd			
3	2	43	0.1			
4	nd	16	nd			
5	2	70	0.7			
6	2	71	0.6			
7	2	40	0.5			
8	2	13	nd			
9	nd	11	nd			
10	nd	21	nd			
11	nd	25	0.1			
12	1	6	nd			
13	nd	33	0.3			
14	2	8	0.1			
15	nd	19	0.1			
16	3	49	nd			
17	nd	16	nd			
18	nd	20	nd			
19	1	21	nd			
15W 20+00N	nd	11	nd			
17.5W 0+00	nd	26	0.1			
1+00N	1	47	0.2			
17.5W 2+00N	nd	30	0.3			

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Sample Marking	Mo ppm	Cu ppm	Ag ppm			
17.5W 3+00N	1	18	0.3			
4	1	32	0.1			
5	nd	16	0.2			
6	2	67	nd			
7	1	20	nd			
8	2	21	nd			
9	1	16	nd			
10	1	12	0.2			
11	2	17	nd			
12	2	31	nd			
13	nd	14	nd			
14	2	16	nd			
15	3	20	0.2			
16	1	13	nd			
17	2	21	nd			
18	2	16	nd			
19	2	19	nd			
17.5W 20+00N	1	34	0.3			
7.5E 0+00	2	18	nd			
1+00N	1	18	nd			
2	1	19	0.1			
3	1	32	0.2			
4	1	24	nd			
5	1	21	nd			
6	2	45	0.3			
7	2	21	nd			
8	1	23	0.2			
9	nd	26	0.1			
10	nd	93	0.2			
11	nd	15	nd			
12	nd	16	0.1			
13	nd	19	0.2			
14	nd	34	0.2			
15	nd	18	nd			
16	1	18	nd			
17	2	41	nd			
18	nd	30	nd			
19	nd	33	nd			
7.5E 20+00N	nd	23	nd			

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REMARKS:

Signed: 

% Mo x 1.6683 = % MoS₂

1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected

ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



VANGEOCHEM LAB LTD.
 1521 PEMBERTON AVE.,
 NORTH VANCOUVER, B.C.,
 CANADA V7P 2S3

TELEPHONE: 986-5211
 AREA CODE: 604

Certificate of Geochemical Analyses

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-IN ACCOUNT WITH-

Lornex Mining Corp. Ltd.

Report No: 82-53-027

Page 7 of 7

Samples Arrived:

Report Completed:

For Project:

Analyst:

Job No.

Invoice No.

Attention:

Sample Marking	Mo ppm	Cu ppm	Ag ppm			
7.5E 21+00N	2	13	nd			
22	1	18	0.3			
23	nd	22	0.2			
7.5E 24+00	1	16	nd			
10E 0+00	nd	38	0.1			
1	2	90	0.6			
2	nd	19	0.1			
3	2	19	0.2			
4	nd	15	nd			
5	nd	18	nd			
6	2	156	0.4			
7	2	25	0.1			
8	2	31	nd			
9	3	84	0.4			
10	1	65	0.2			
11	1	22	0.2			
12	1	40	0.1			
13	1	18	nd			
14	1	21	nd			
15	nd	49	0.2			
16	2	119	0.5			
17	nd	27	nd			
18	1	40	0.3			
19	2	40	nd			
20	2	18	nd			
21	3	136	0.8			
22	1	39	nd			
23	2	23	0.3			
10E 24+00N	nd	20	nd			

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REMARKS:

Signed: _____

% Mo x 1.6683 = % MoS₂

1 Troy oz./ton = 34.28 ppm

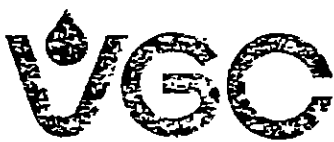
1 ppm = 0.0001%

nd = none detected

ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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-IN ACCOUNT WITH-

Lornex Mining Corp. Ltd.
 Suite 1650, 609 Granville St.
 Vancouver, B. C. V7Y 1G5
 Attention:

Report No: 82-53-030 Page 1 of 7
 Samples Arrived: Aug. 28, 1982
 Report Completed: Sept. 20, 1982
 For Project: Job No. 82-222
 Analyst: VGC Staff Invoice No. 7000

Sample Marking	Zn ppm				
00E 0+00	212				
1+00	99				
2+00	111				
3+00	158				
4+00	117				
5+00	169				
6+00	410				
00E 7+00	247				
OE 8+00	114				
9+00	87				
10+00	209				
11+00	146				
12+00	83				
13+00	62				
14+00	118				
15+00	71				
16+00	153				
17+00	112				
18+00	56				
19+00	116				
20+00	113				
21+00	107				
22+00	82				
OE 23+00	213				
00E 24N	142				
2.5E 0+00	131				
1+00	107				
2+00	96				
3+00	257				
4+00	196				
5+00	155				
6+00	131				
7+00	149				
8+00	197				
9+00	335				
10+00	162				
11+00	93				
12+00	106				
2.5E 13+00N	63				

Signed:

MASTER MINING LTD

REMARKS:

% Mo x 1.6683 = % MoS₂ 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million
 All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



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Lornex Mining Corp. Ltd.

Report No: **82-53-030**

Page 2 of 7

Samples Arrived:

Report Completed:

For Project:

Analyst:

Job No.

Invoice No.

Attention:

Sample Marking	Zn ppm				
2.5E 14+00N	124				
15+00	138				
16+00	197				
17+00	173				
18+00	106				
19+00	97				
20+00	146				
21+00	84				
22+00	122				
23+00	93				
2.5E 24+00	99				
2.5W 0+00	126				
1+00	249				
2+00	196				
3+00	128				
4+00	121				
5+00	99				
6+00	100				
7+00	213				
8+00	157				
9+00	82				
10+00	96				
11+00	87				
12+00	105				
13+00	144				
14+00	92				
15+00	91				
16+00	148				
17+00	43				
18+00	98				
19+00	118				
20+00	92				
21+00	92				
22+00	98				
23+00	115				
2.5W 24+00N	118				
5E 0+00	163				
1+00N	98				
5E 2+00N	80				

MASTER PRINTING LTD

Signed:

REMARKS:

% Mo x 1.6583 = % MoS₂

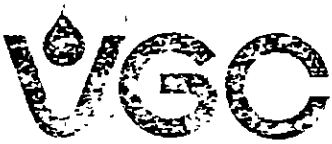
1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

nd = none detected

ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



VANGEOCHEM LAB LTD.
 1521 PEMBERTON AVE.,
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Report No: 82-53-030

Page 4 of 7

Samples Arrived:

Report Completed:

For Project:

Analyst:

Job No.

Invoice No.

Attention:

Sample Marking	Zn ppm				
5W 17+00N	87				
18+00	92				
19+00	84				
20+00	105				
21+00	118				
22+00	222				
23+00	86				
5W 24+00	97				
7.5W 0+00	184				
1+00	102				
2+00	176				
3+00	57				
4+00	147				
5+00	132				
6+00	124				
7+00	195				
8+00	207				
9+00	254				
10+00	141				
11+00	146				
12+00	174				
13+00	69				
14+00	132				
15+00	271				
16+00	36				
17+00	87				
18+00	143				
19+00	150				
20+00	91				
21+00	79				
22+00	84				
23+00	236				
7.5W 24+00	251				
1.2W 0	247				
12+50W 1	189				
2	107				
3	103				
4	136				
12+50W 5 N	219				

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REMARKS:

Signed: *[Signature]*

% Mo < 1.6683 = % MoS₂ 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% rd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



VANGEOCHEM LAB LTD.
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 NORTH VANCOUVER, B.C.,
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TELEPHONE: 986-5211
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Lornex Mining Corp. Ltd.

Report No: 82-53-030

Page 6 of 7

Samples Arrived:

Report Completed:

For Project:

Analyst:

Job No.

Invoice No.

Attention:

Sample Marking	Zn ppm				
17.5W 3+00N	113				
4+00	199				
5+00	69				
6+00	1460				
7+00	520				
8+00	375				
9+00	129				
10+00	590				
11+00	149				
12+00	298				
13+00	86				
14+00	82				
15+00	780				
16+00	125				
17+00	720				
18+00	247				
19+00	294				
17.5W 20+00N	460				
7.5E 0+00	81				
1+00	93				
2+00	108				
3+00	99				
4+00	138				
5+00	97				
6+00	187				
7+00	136				
8+00	124				
9+00	138				
10+00	309				
11+00	116				
12+00	95				
13+00	148				
14+00	111				
15+00	151				
16+00	79				
17+00	116				
18+00	76				
19+00	124				
7.5E 20+00N	75				

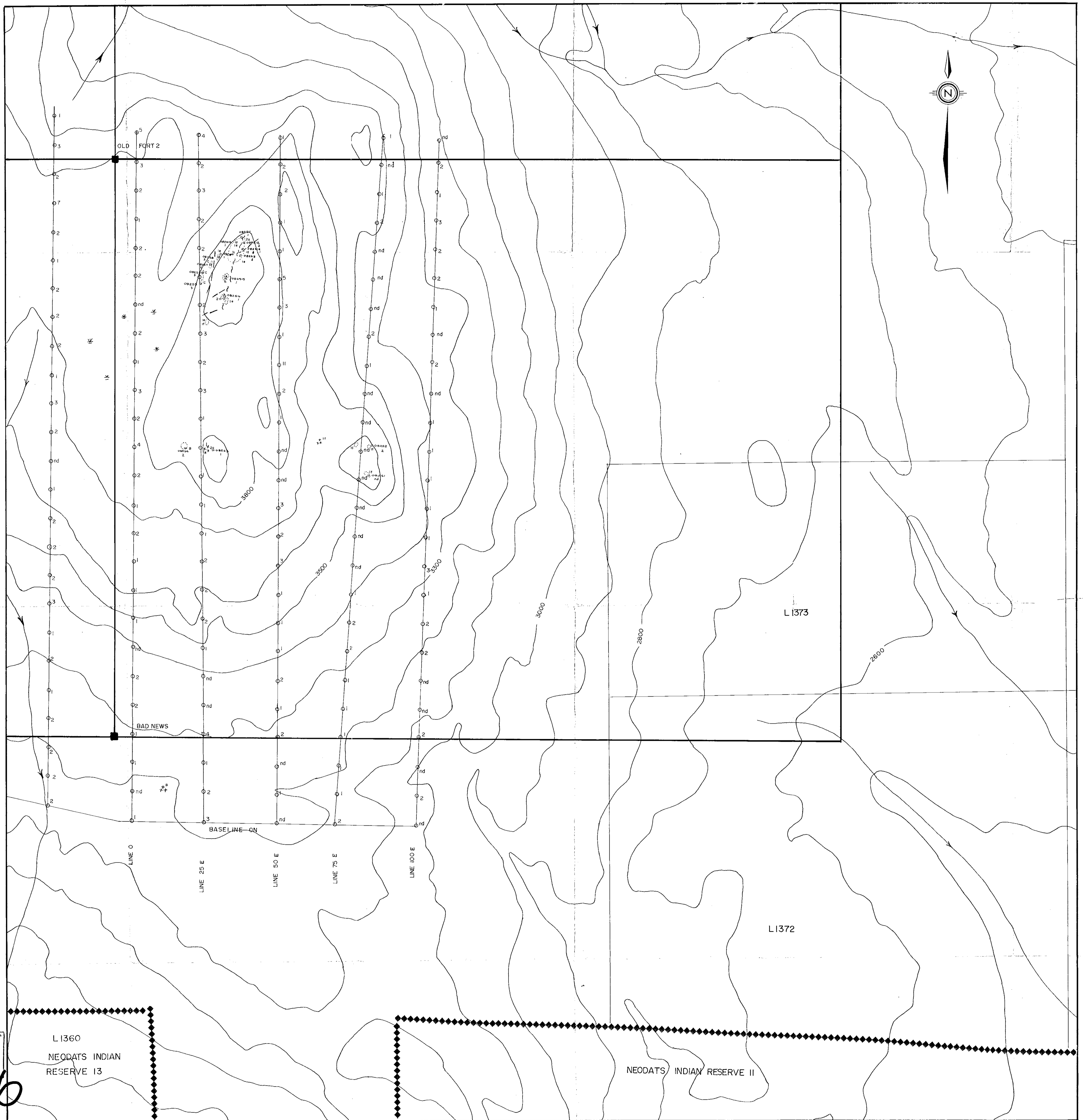
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MASTER PRINTING LTD

REMARKS:

Signed: *[Signature]*

% Mo x 1.6683 = % MoS₂ 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million
 All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,696

LEGEND

LITHOLOGY
UNIT 1 - SEDIMENTARY ROCKS

- [1a] Argillite
- [1b] Marine Siltstone
- [1c] Marine Sandstone
- [1d] Interbedded Volcanic Tuff / Sandstone
- [1e] Hornfelsed equivalents 1a - d
- [1f] Cherts

UNIT 2 - VOLCANIC ROCKS

- [2a] Tuffaceous Rock
 - [2b] Andesitic Volcanics
- INTRUSIVE ROCKS**
- UNIT A Hornblende Granodiorite
 - UNIT B Biotite Granodiorite
 - UNIT d 'Aplite'

GEOCHEMISTRY

- Soil Sample Location
- 4 Analytical Value - Mo (ppm)
- Rock Sample Location
- X Float Sample Location
- G82525 Rock Geochem. Sample Number

LORNEX MINING CORPORATION LTD.

BAD NEWS CLAIM

NTS:93M/IW

SCALE
0 50 100 250 metres

- 4000 — CONTOUR (100 ft. interval)
- STREAM
- LEGAL CORNER POST
- CLAIM LINE
- BOUNDARY
- ◆◆◆ INDIAN RESERVE
- PRIVATE LOT

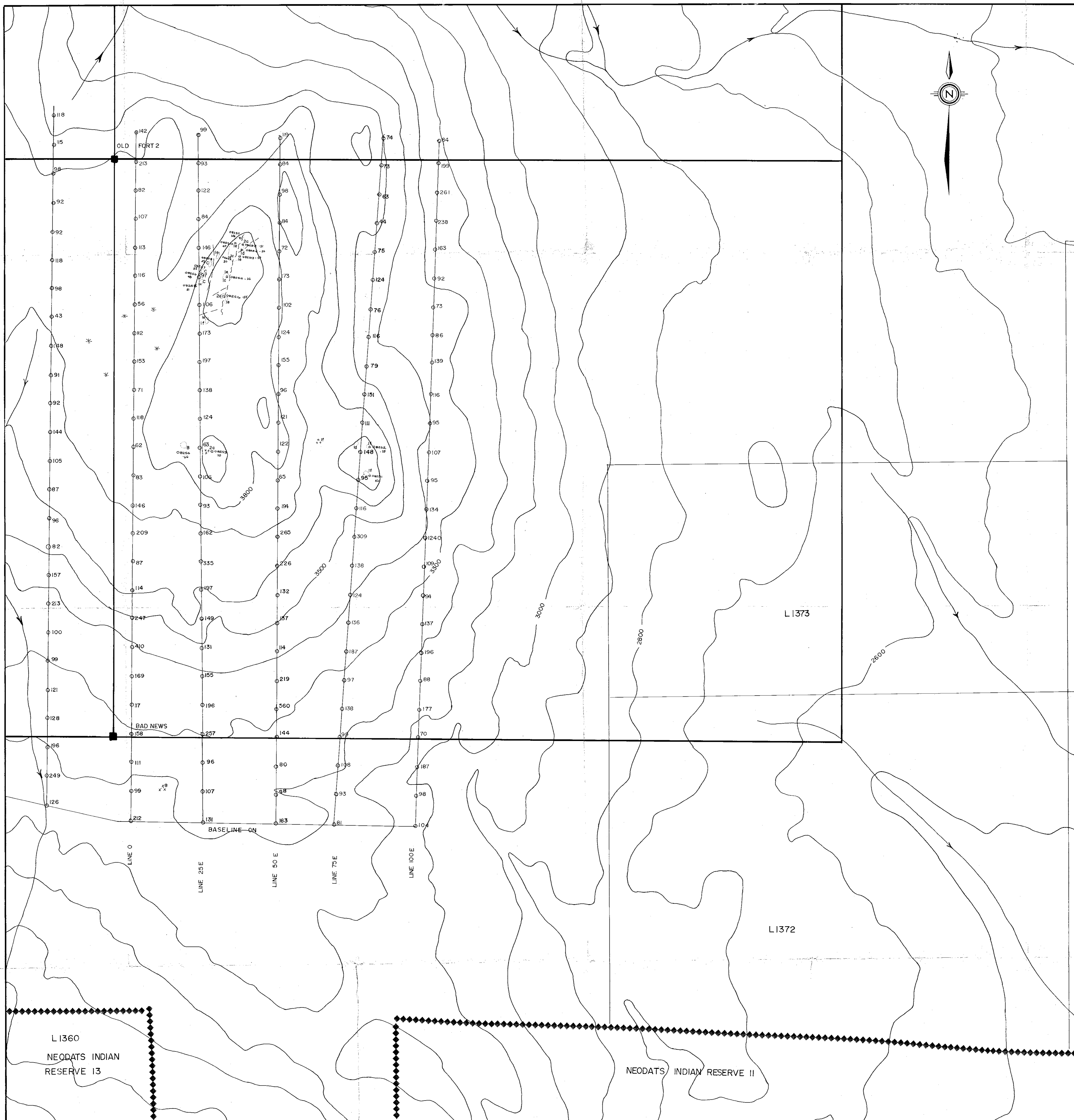
- ep,py,cpy,Mo
- SWAMP

- FAULT
- OUTCROP
- KNOWN GEOLOGICAL CONTACT
- ASSUMED GEOLOGICAL CONTACT
- epidote,pyrite,chalcopyrite,molybdenum
- SWAMP

Figure 4b — GEOLOGY and Mo GEOCHEMISTRY

Approved

10,696



LEGEND

LITHOLOGY

UNIT 1 - SEDIMENTARY ROCKS

- [1a] Argillite
- [1b] Marine Siltstone
- [1c] Marine Sandstone
- [1d] Interbedded Volcanic Tuff / Sandstone
- [1e] Hornfelsed equivalents 1a - d
- [1f] Cherts

UNIT 2 - VOLCANIC ROCKS

- [2a] Tuffaceous Rock
- [2b] Andesitic Volcanics

INTRUSIVE ROCKS

- UNIT A Hornblende Granodiorite
- UNIT B Biotite Granodiorite
- UNIT C 'Aplite'

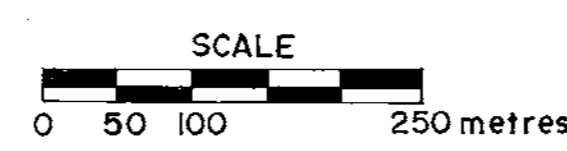
GEOCHEMISTRY

- Soil Sample Location
- 140 Analytical Value - Zn (ppm)
- Rock Sample Location
- × Float Sample Location
- 082525 Rock Geochem. Sample Number

LORNEX MINING CORPORATION LTD.

BAD NEWS CLAIM

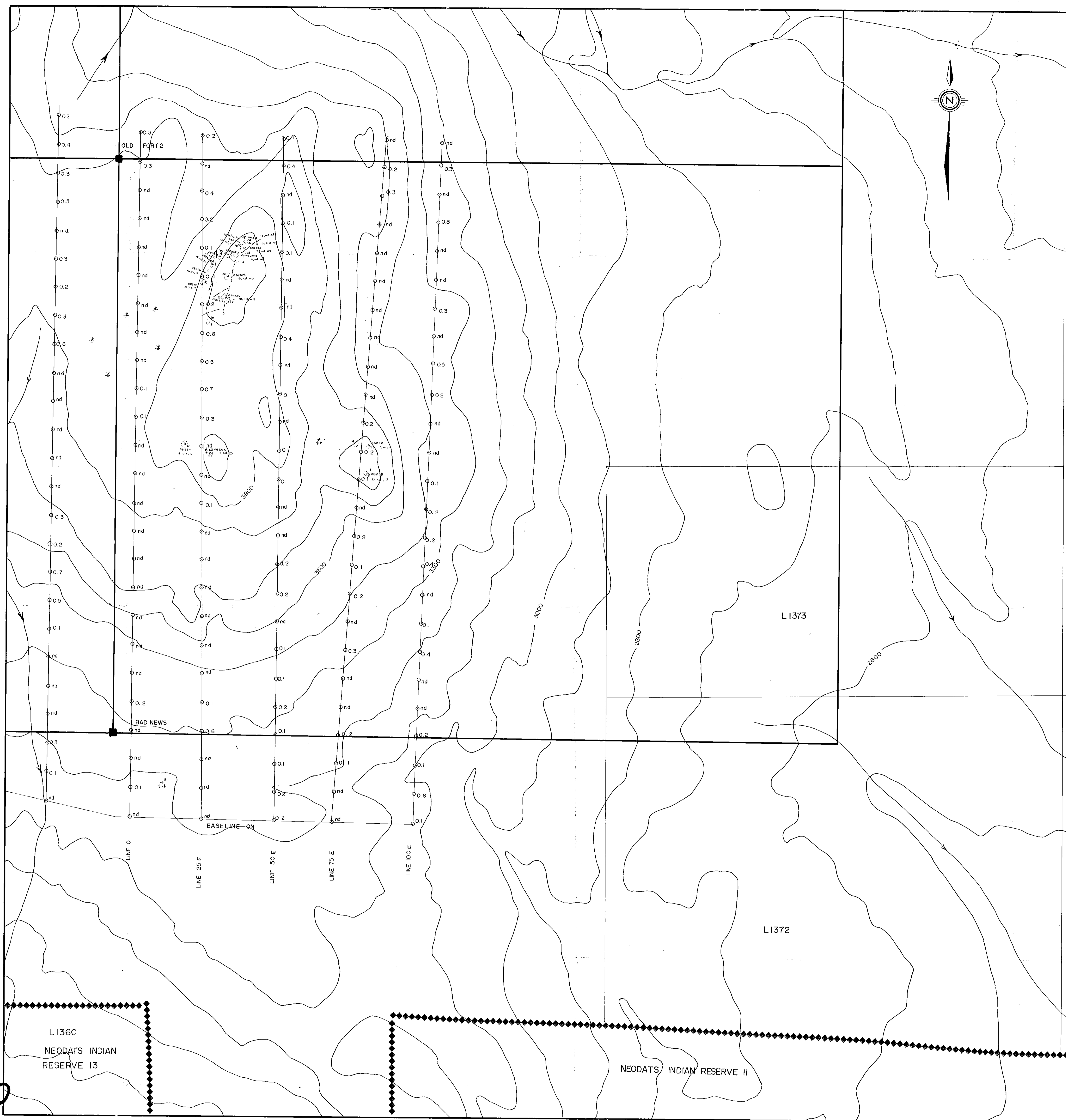
NTS:93M/IW



- CONTOUR (100 ft. interval)
- STREAM
- LEGAL CORNER POST
- CLAIM LINE
- BOUNDARY
- ◆◆◆ INDIAN RESERVE
- PRIVATE LOT

- FAULT
- OUTCROP
- KNOWN GEOLOGICAL CONTACT
- ASSUMED GEOLOGICAL CONTACT
- ep,py,cpy,Mo, SWAMP

Figure 4c — GEOLOGY and Zn GEOCHEMISTRY *Abstract*



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

10,696

LEGEND

LITHOLOGY

UNIT 1 - SEDIMENTARY ROCKS

- [1a] Argillite
- [1b] Marine Siltstone
- [1c] Marine Sandstone
- [1d] Interbedded Volcanic Tuff / Sandstone
- [1e] Hornfelsed equivalents 1a-d
- [1f] Cherts

UNIT 2 - VOLCANIC ROCKS

- [2a] Tuffaceous Rock
 - [2b] Andesitic Volcanics
- INTRUSIVE ROCKS**
- UNIT A Hornblende Granodiorite
 - UNIT B Biotite Granodiorite
 - UNIT C "Aplite"

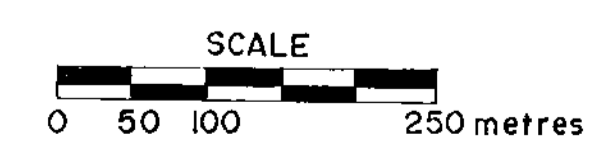
GEOCHEMISTRY

- Soil Sample Location
- .1 Analytical Value - Ag (ppm)
- Rock Sample Location
- × Float Sample Location
- 082525 Rock Geochem. Sample Number
- 19,02,nd Analytical Value Pb, Ag (ppm), Au (ppb)

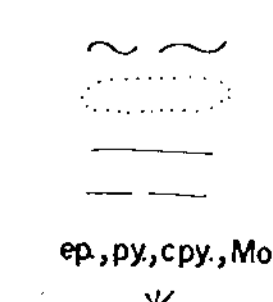
LORNEX MINING CORPORATION LTD.

BAD NEWS CLAIM

NTS:93M/IW



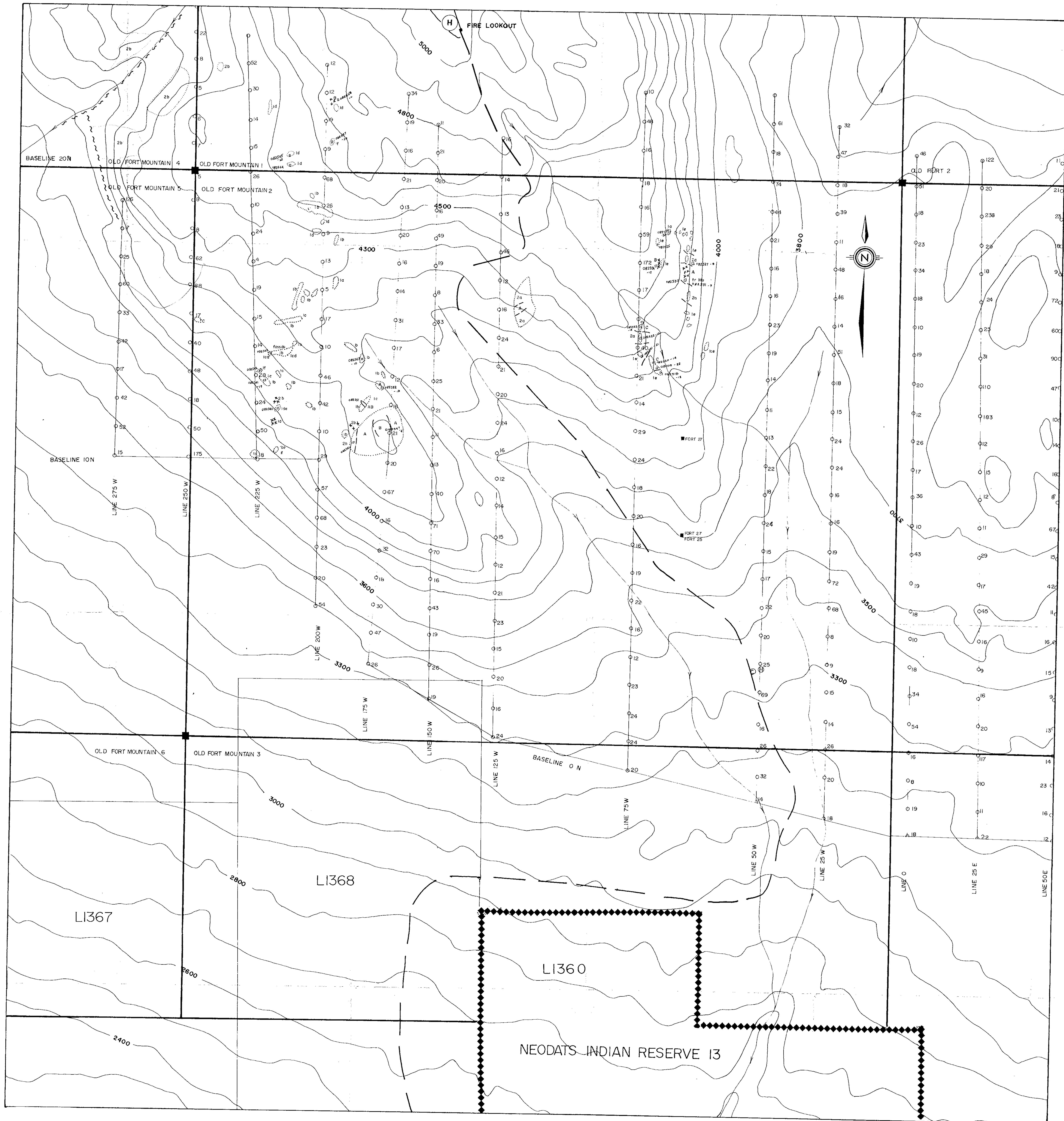
- 4000 CONTOUR (100 ft. interval)
- STREAM
- LEGAL CORNER POST
- CLAIM LINE
- BOUNDARY
- INDIAN RESERVE
- PRIVATE LOT



- FAULT
- OUTCROP
- KNOWN GEOLOGICAL CONTACT
- ASSUMED GEOLOGICAL CONTACT
- ep,py,cpy,Mo
- epidote,pyrite,chalcopyrite, molybdenum
- SWAMP

Figure 4d - GEOLOGY and Ag GEOCHEMISTRY

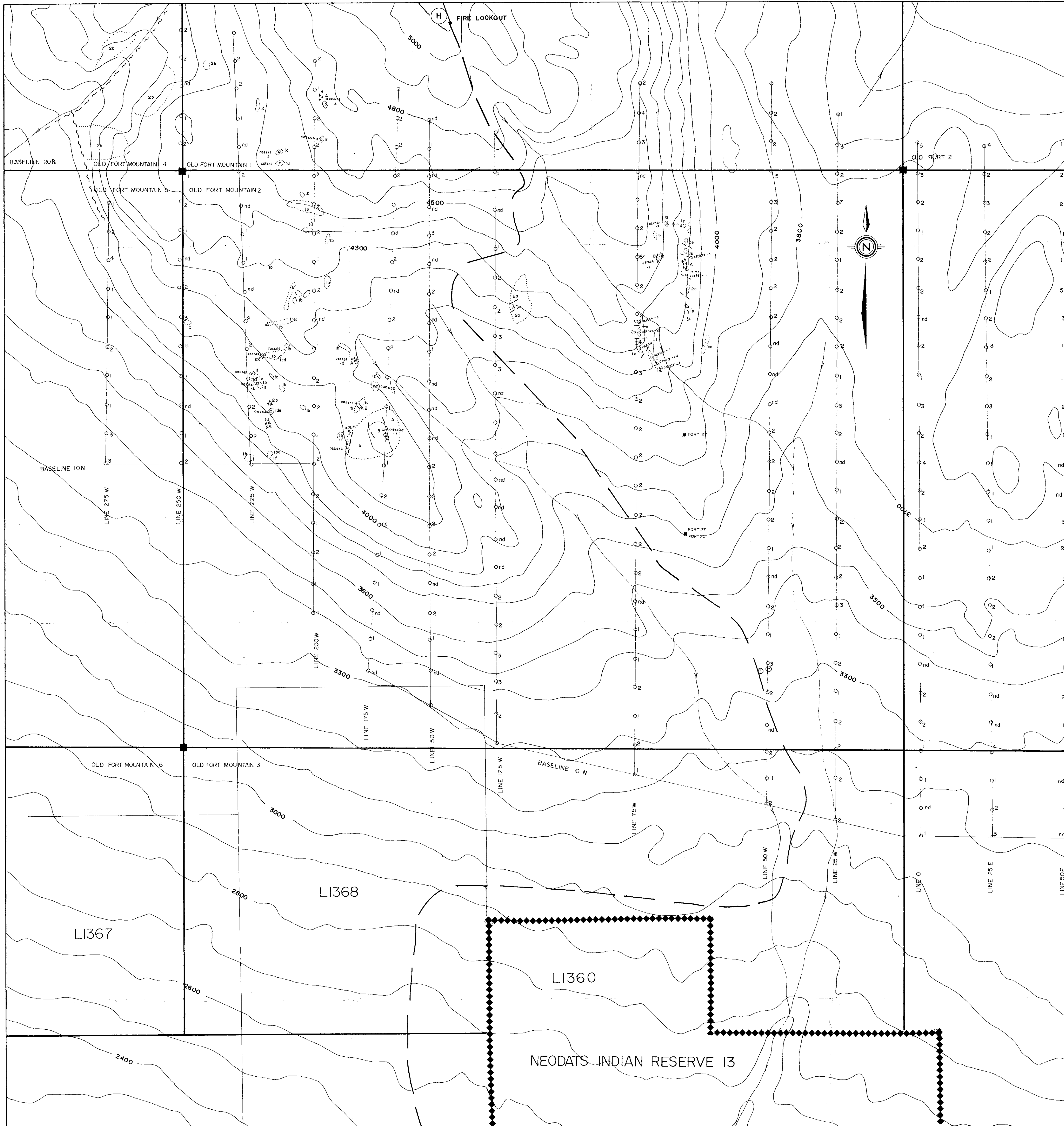
Official



LEGEND

LITHOLOGY		GEOCHEMISTRY		LORNEX MINING CORPORATION LTD.	
UNIT 1 - SEDIMENTARY ROCKS		UNIT 2 - VOLCANIC ROCKS		OLD FORT MOUNTAIN 2 & 3 CLAIMS NTS93M/IW	
[1a] Argillite	[2a] Tuffaceous Rock	○ Soil Sample Location	52 Analytical Value - Cu (ppm)	0 50 100 250 metres	SCALE
[1b] Marine Siltstone	[2b] Andesitic Volcanics	□ Rock Sample Location	□ Float Sample Location	— 4000 CONTOUR (100 ft interval)	— STREAM
[1c] Marine Sandstone	INTRUSIVE ROCKS	02525 Rock Geochem. Sample Number		— TRAIL	— LEGAL CORNER POST
[1d] Interbedded volcanic tuff / Sandstone	UNIT A Hornblende Granodiorite			— CLAIM LINE	— FAULT
[1e] Hornfelsed equivalents la - d	UNIT B Biotite Granodiorite			— BOUNDARY INDIAN RESERVE PRIVATE LOT	— OUTCROP KNOWN GEOLOGICAL CONTACT ASSUMED GEOLOGICAL CONTACT ep,py,sp,mo SWAMP
[1f] Cherts	UNIT C "Aplite"			— HELIPAD	

Figure 5a — GEOLOGY and Cu GEOCHEMISTRY
Abstract



LEGEND

LITHOLOGY
UNIT 1 - SEDIMENTARY ROCKS

- [1a] Argillite
- [1b] Marine Siltstone
- [1c] Marine Sandstone
- [1d] Interbedded Volcanic Tuff / Sandstone
- [1e] Hornfelsed equivalents to -d
- [1f] Cherts

UNIT 2 - VOLCANIC ROCKS

- [2a] Tuffaceous Rock
- [2b] Andesitic Volcanics

INTRUSIVE ROCKS

- UNIT A Hornblende Granodiorite
- UNIT B Biotite Granodiorite
- UNIT C "Aplite"

GEOCHEMISTRY

- Soil Sample Location
- 3 Analytical Value - Mo (ppm)
- [] Rock Sample Location
- X Float Sample Location
- 002525 Rock Geochem. Sample Number

LORNEX MINING CORPORATION LTD.

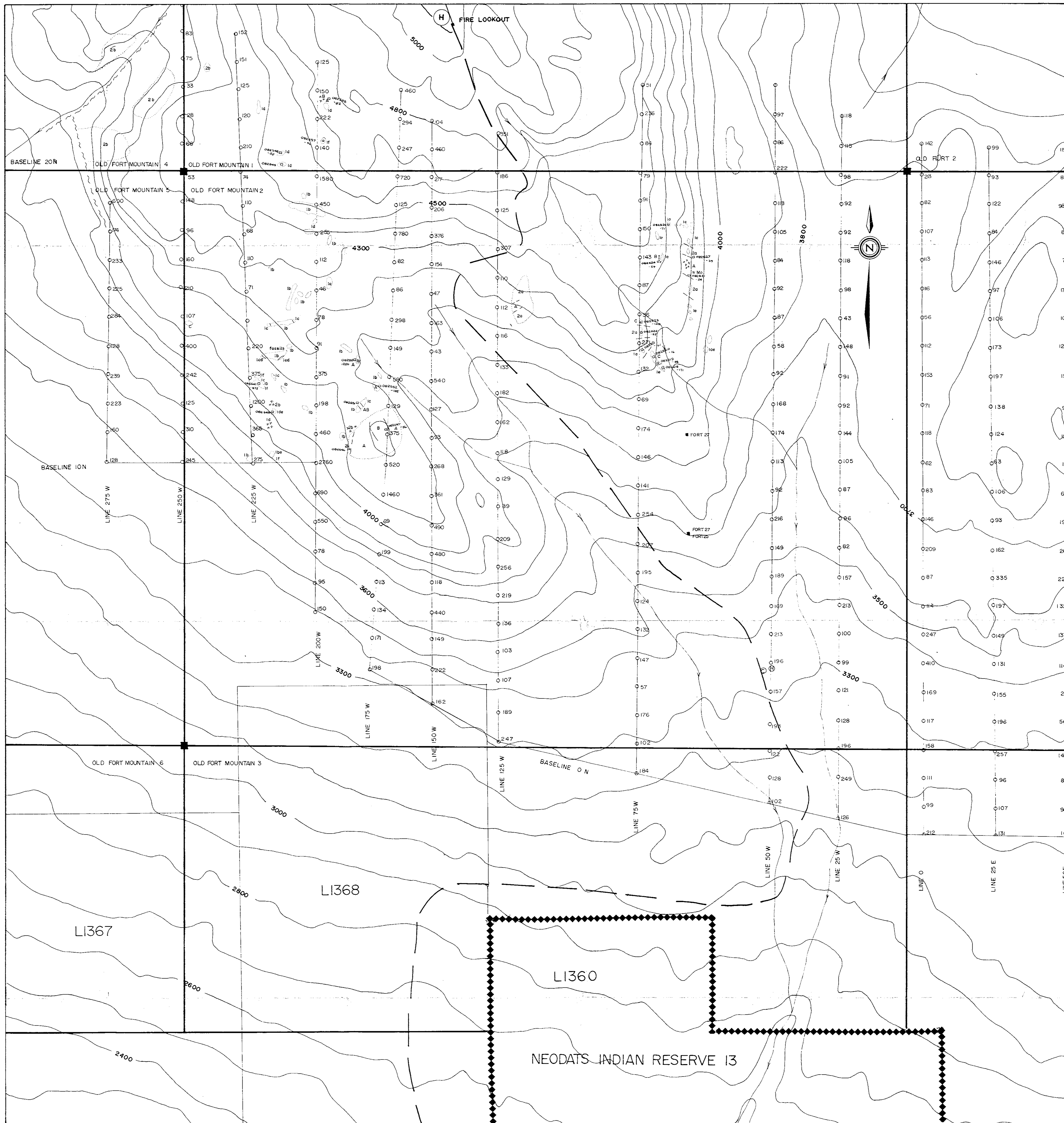
OLD FORT MOUNTAIN 2 & 3 CLAIMS NTS-93M/1W

- SCALE**
0 50 100 250 metres
- 4000 — CONTOUR (100 ft interval)
 - STREAM
 - TRAIL
 - LEGAL CORNER POST
 - CLAIM LINE
 - ◆◆◆◆ BOUNDARY INDIAN RESERVE PRIVATE LOT
 - (H) HELIPAD

- FAULT
- OUTCROP
- KNOWN GEOLOGICAL CONTACT
- ASSUMED GEOLOGICAL CONTACT
- ep,py,cpy,Mo. epidote,pyrite,chalcopyrite,molybdenum SWAMP

Figure 5b — GEOLOGY and Mo GEOCHEMISTRY

Abstract



LEGEND

- LITHOLOGY**
UNIT 1 - SEDIMENTARY ROCKS
 [a] Argillite
 [b] Marine Siltstone
 [c] Marine Sandstone
 [d] Interbedded Volcanic Tuff / Sandstone
 [e] Hornfelsed equivalents to -d
 [f] Cherts

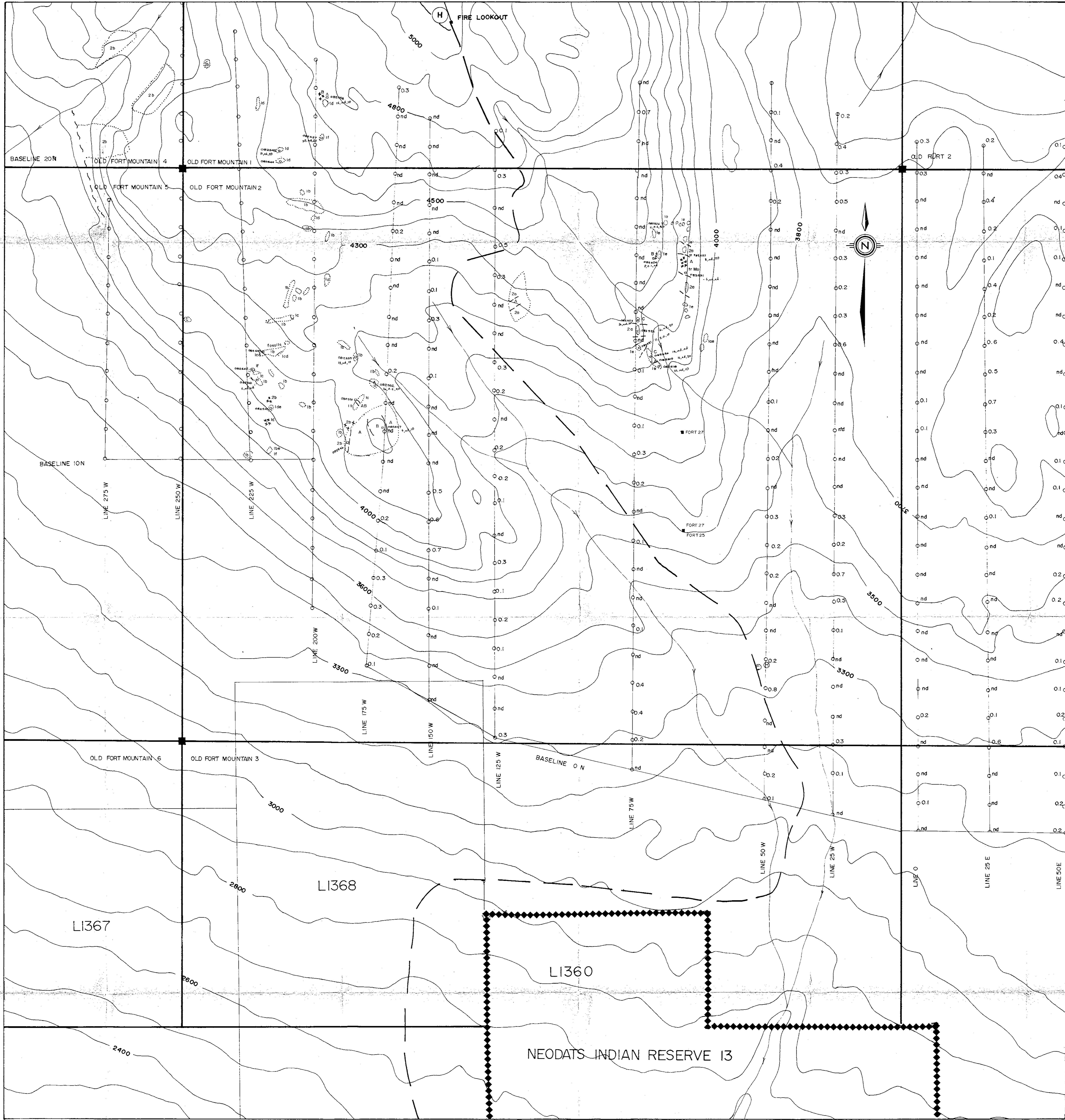
- UNIT 2 - VOLCANIC ROCKS**
 [2a] Tuffaceous Rock
 [2b] Andesitic Volcanics
- INTRUSIVE ROCKS**
 UNIT A Hornblende Granodiorite
 UNIT B Biotite Granodiorite
 UNIT C "Aplite"

- GEOCHEMISTRY**
 O Soil Sample Location
 125 Analytical Value -Zn (ppm)
 □ Rock Sample Location
 X Float Sample Location
 042925 Rock Geochem. Sample Number

LORNEX MINING CORPORATION LTD.
 OLD FORT MOUNTAIN 2 & 3 CLAIMS NTS-93M/IW

- SCALE**
 0 50 100 250 metres
 4000 CONTOUR (100 ft interval)
 STREAM
 TRAIL
 LEGAL CORNER POST
 CLAIM LINE
 BOUNDARY
 INDIAN RESERVE
 PRIVATE LOT
 HELIPAD
- FAULT
 OUTCROP
 KNOWN GEOLOGICAL CONTACT
 ASSUMED GEOLOGICAL CONTACT
 epidote, pyrite, chalcopyrite, molybdenum
 SWAMP

Figure 5c - GEOLOGY and Zn GEOCHEMISTRY



LEGEND

LITHOLOGY
UNIT 1 - SEDIMENTARY ROCKS
 [1a] Argillite
 [1b] Marine Siltstone
 [1c] Marine Sandstone
 [1d] Interbedded Volcanic Tuff / Sandstone
 [1e] Hornfelsed equivalents 1a-d
 [1f] Cherts

UNIT 2 - VOLCANIC ROCKS
 [2a] Tuffaceous Rock
 [2b] Andesitic Volcanics
INTRUSIVE ROCKS
 UNIT A Hornblende Granodiorite
 UNIT B Biotite Granodiorite
 UNIT C 'Aplite'

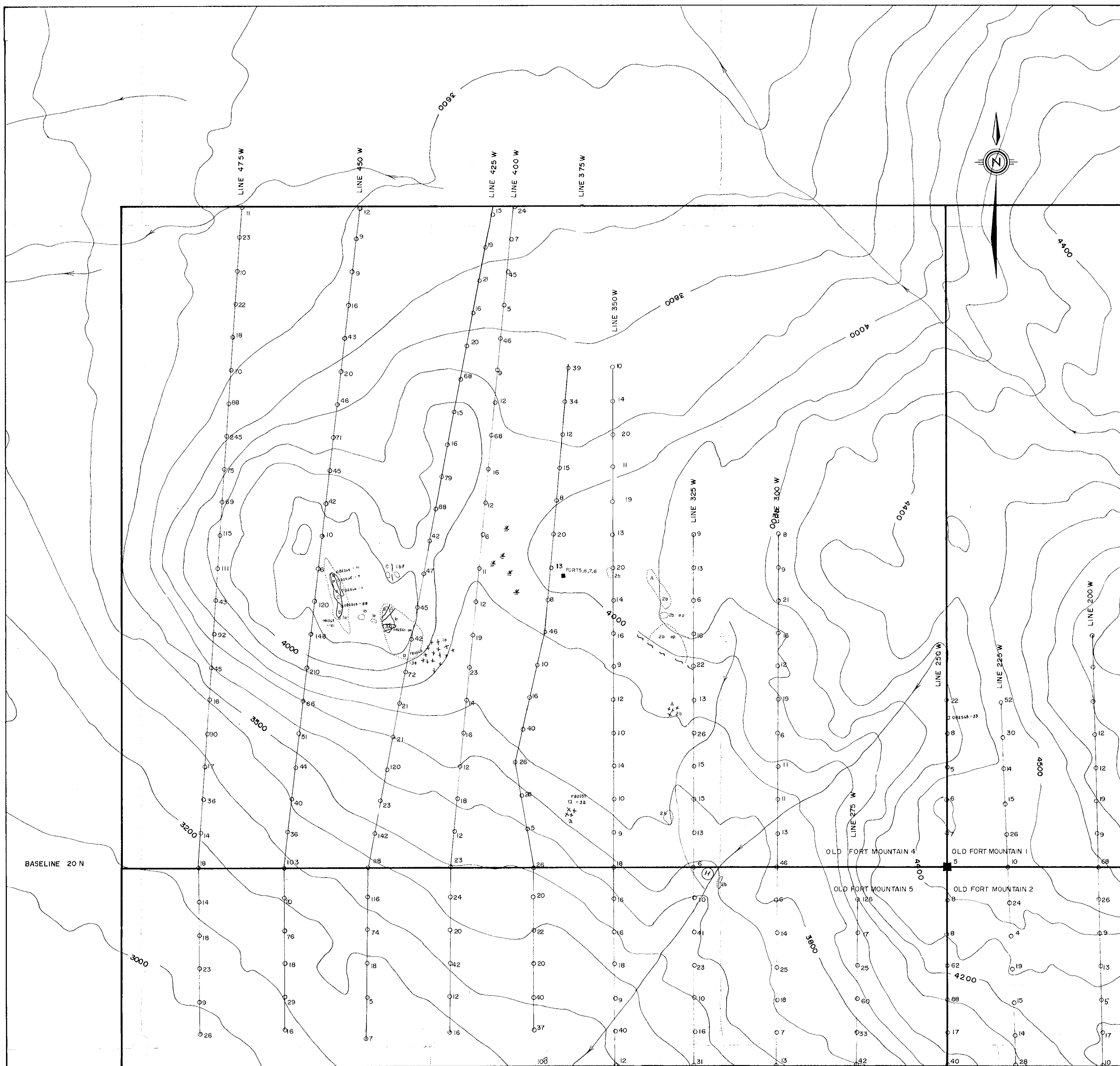
GEOCHEMISTRY
 O Soil Sample Location
 0.4 Analytical Value - Ag (ppm)
 □ Rock Sample Location
 X Float Sample Location
 062525 Rock Geochem. Sample Number
 19,05,nd. Analytical Value Pb, Ag, (ppm) Au (ppb)

LORNEX MINING CORPORATION LTD.
 OLD FORT MOUNTAIN. 2 & 3 CLAIMS NTS 93M/IW

SCALE
 0 50 100 250 metres
 4000 CONTOUR (100 ft. interval)
 STREAM
 TRAIL
 LEGAL CORNER POST
 CLAIM LINE
 BOUNDARY
 INDIAN RESERVE
 PRIVATE LOT
 HELIPAD

FAULT
 OUTCROP
 KNOWN GEOLOGICAL CONTACT
 ASSUMED GEOLOGICAL CONTACT
 epidote, pyrite, chalcopyrite, molybdenum.
 SWAMP

Figure 5d - GEOLOGY and Ag GEOCHEMISTRY
Alford



LEGEND

- LITHOLOGY**
UNIT 1 - SEDIMENTARY ROCKS
 [1a] Argillite
 [1b] Marine Siltstone
 [1c] Marine Sandstone
 [1d] Interbedded Volcanic Tuff / Sandstone
 [1e] Hornfelsed equivalents 1a-d
 [1f] Cherts

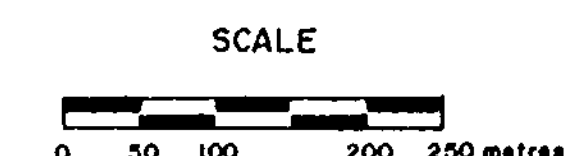
- UNIT 2 - VOLCANIC ROCKS**
 [2a] Tuffaceous Rock
 [2b] Andesitic Volcanics
- INTRUSIVE ROCKS**
 UNIT A Hornblende Granodiorite
 UNIT B Biotite Granodiorite
 UNIT C "Aplite"

- GEOCHEMISTRY**
 ○ Soil Sample Location
 52 Analytical Value - Cu (ppm)
 □ Rock Sample Location
 X Float Sample Location
 082525 Rock Geochern. Sample Number
 -27 Analytical Value Cu (ppm)

LORNEX MINING CORPORATION LTD.

OLD FORT MOUNTAIN 4 CLAIM

NTS:93M/W



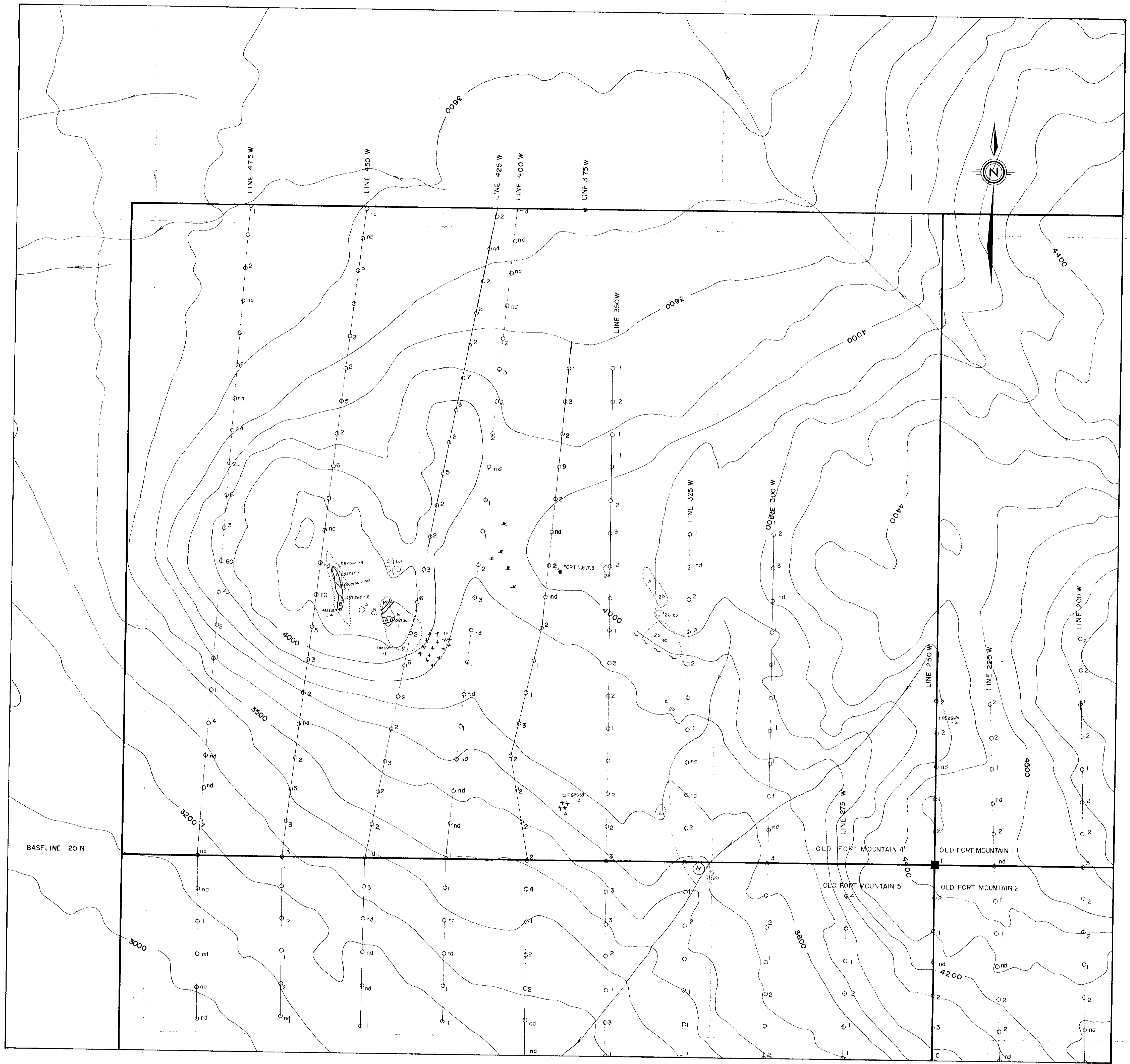
- SWAMP
 CONTOUR (100 ft interval)
 STREAM
 LEGAL CORNER POST
 CLAIM BOUNDARY
- FAULT
 OUTCROP
 KNOWN GEOLOGICAL CONTACT
 APPROXIMATE GEOLOGICAL CONTACT
 ep,py,cpy,Mo

Figure 6a - GEOLOGY AND Cu GEOCHEMISTRY

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MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT

N 10,696



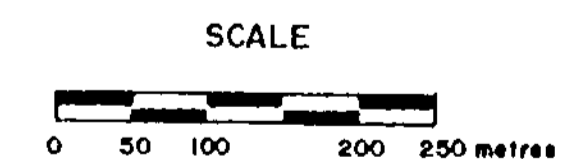
LEGEND

- LITHOLOGY**
UNIT 1 - SEDIMENTARY ROCKS
 [1a] Argillite
 [1b] Marine Siltstone
 [1c] Marine Sandstone
 [1d] Interbedded Volcanic Tuff / Sandstone
 [1e] Hornfelsed equivalents 1a - d
 [1f] Cherts

- UNIT 2 - VOLCANIC ROCKS**
 [2a] Tuffaceous Rock
 [2b] Andesitic Volcanics
- INTRUSIVE ROCKS**
 [UNIT A] Hornblende Granodiorite
 [UNIT B] Biotite Granodiorite
 [UNIT C] "Aplite"

- GEOCHEMISTRY**
 ○ Soil Sample Location
 4 Analytical Value - Mo (ppm)
 □ Rock Sample Location
 X Float Sample Location
 082525 Rock Geochem. Sample Number

LORNEX MINING CORPORATION LTD.
 OLD FORT MOUNTAIN 4 CLAIM NTS:93M/W



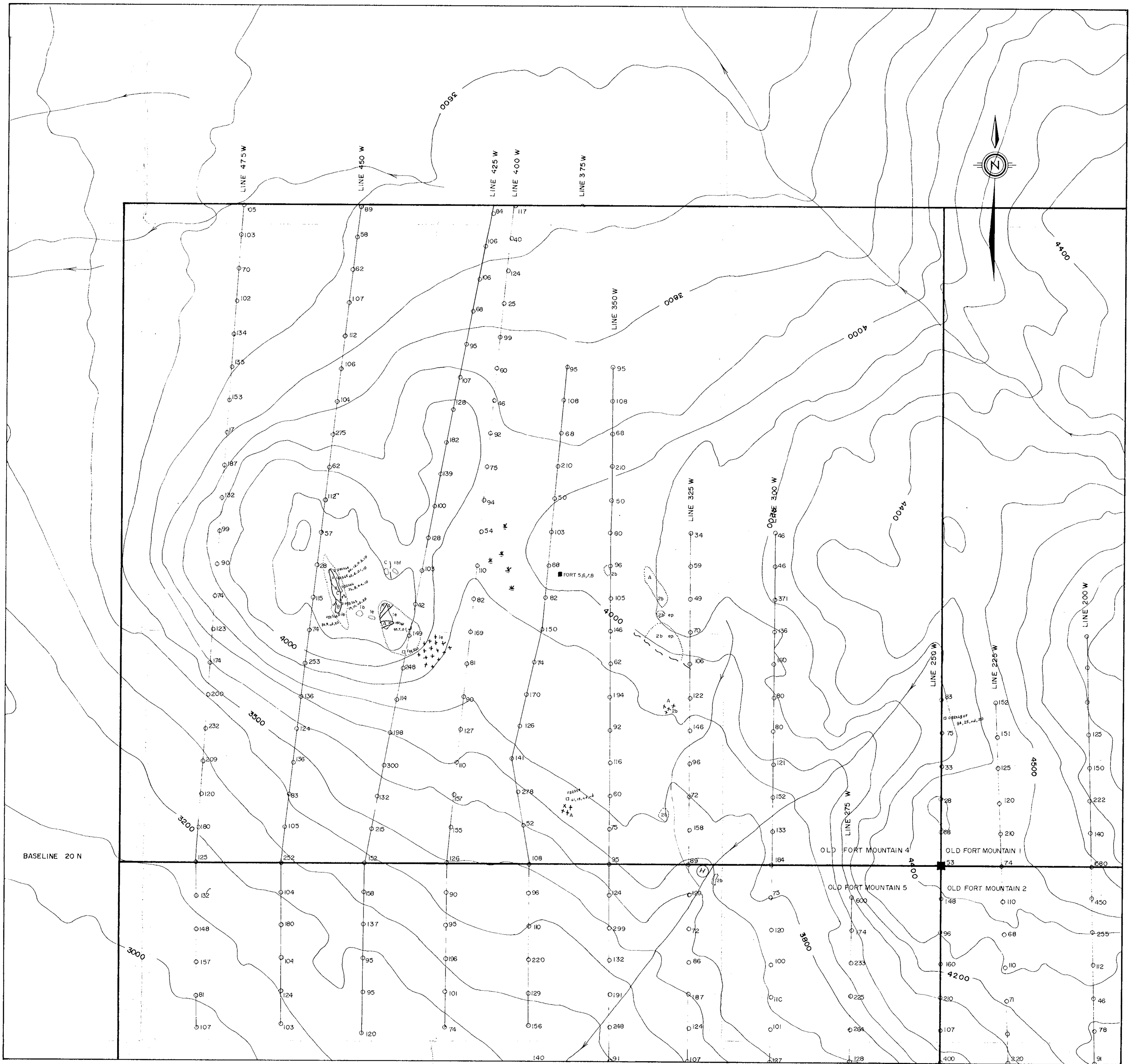
- SWAMP
 CONTOUR (100 ft interval)
 STREAM
 LEGAL CORNER POST
 CLAIM BOUNDARY
- FAULT
 OUTCROP
 KNOWN GEOLOGICAL CONTACT
 APPROXIMATE GEOLOGICAL CONTACT
 epidote, pyrite, chalcopyrite, molybdenum

Figure 6b - GEOLOGY AND Mo GEOCHEMISTRY

Black

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT

NO. 10,696



LEGEND

LITHOLOGY

UNIT 1 - SEDIMENTARY ROCKS

- [1a] Argillite
- [1b] Marine Siltstone
- [1c] Marine Sandstone
- [1d] Interbedded Volcanic Tuff / Sandstone
- [1e] Hornfelsed equivalents 1a - d
- [1f] Cherts

UNIT 2 - VOLCANIC ROCKS

- [2a] Tuffaceous Rock
- [2b] Andesitic Volcanics

INTRUSIVE ROCKS

- UNIT A Hornblende Granodiorite
- UNIT B Biotite Granodiorite
- UNIT C 'Aplite'

GEOCHEMISTRY

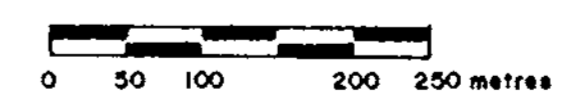
- Soil Sample Location
- 143 Analytical Value - Zn (ppm)
- Rock Sample Location
- X Float Sample Location
- 082525 Rock Geochem. Sample Number
- 45,170,1nd Analytical Value Zn,Pb,Ag(ppm)Au (ppb)

LORNE X MINING CORPORATION LTD.

OLD FORT MOUNTAIN 4 CLAIM

NTS:93M/W

SCALE



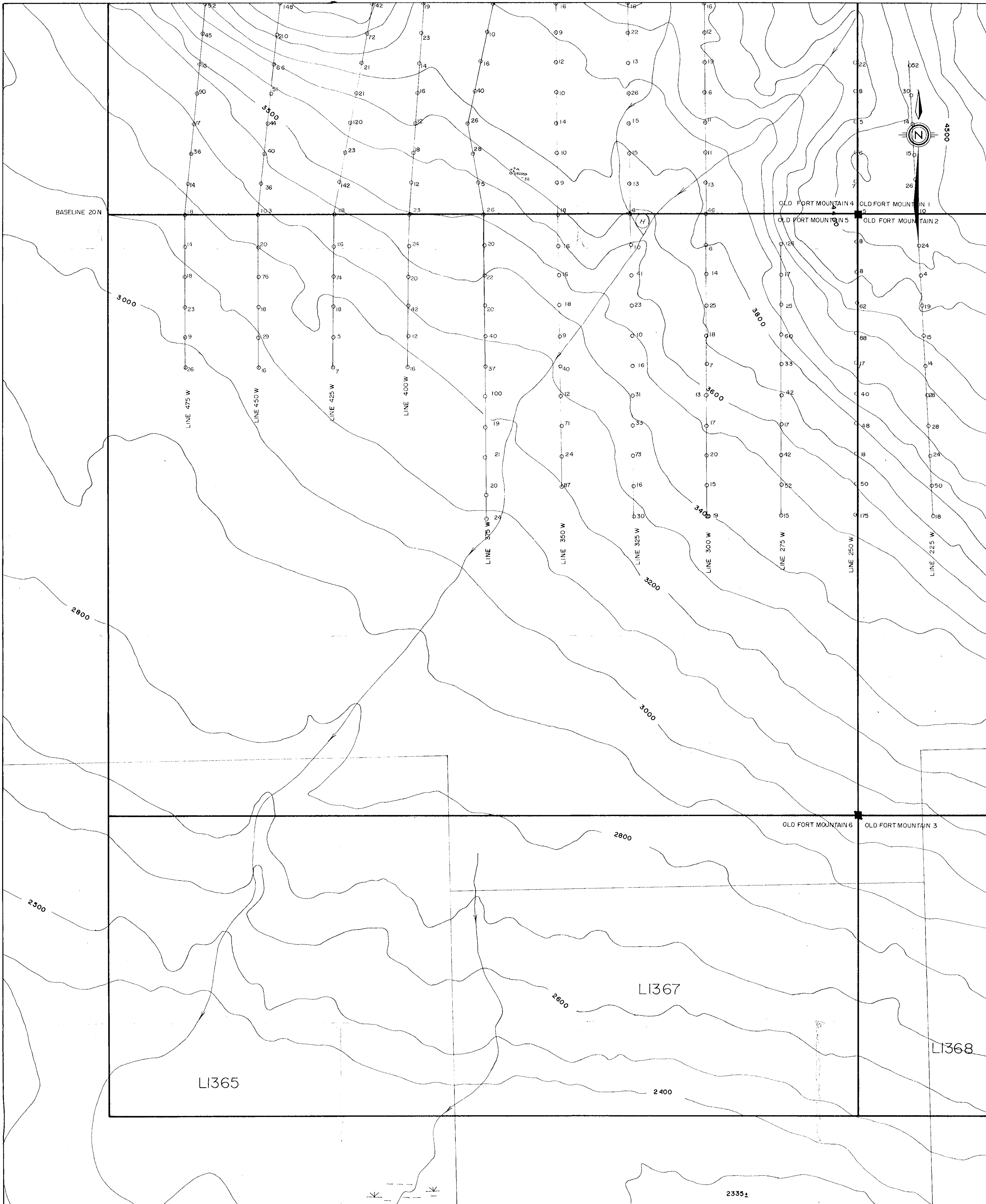
- ≡ SWAMP
- 4000 CONTOUR (100 ft interval)
- STREAM
- LEGAL CORNER POST
- CLAIM BOUNDARY
- FAULT
- OUTCROP
- KNOWN GEOLOGICAL CONTACT
- APPROXIMATE GEOLOGICAL CONTACT
- ep, py, ch, cop, moly, molybdenum

Figure 6c -- GEOLOGY AND Zn GEOCHEMISTRY

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

10,696

10/6/91
MINERAL RECORDS BRANCH
ASSESSMENT REPORT



LEGEND

- LITHOLOGY**
UNIT 1 - SEDIMENTARY ROCKS
 [1a] Argillite
 [1b] Marine Siltstone
 [1c] Marine Sandstone
 [1d] Interbedded Volcanic Tuff / Sandstone
 [1e] Hornfelsed equivalents 1a - d
 [1f] Cherts

- UNIT 2 - VOLCANIC ROCKS**
 [2a] Tuffaceous Rock
 [2b] Andesitic Volcanics
- INTRUSIVE ROCKS**
UNIT A Hornblende Granodiorite
UNIT B Biotite Granodiorite
UNIT C Aplitite

- GEOCHEMISTRY**
 ○ Soil Sample Location
 32 Analytical Value - Cu (ppm)
 □ Rock Sample Location
 X Float Sample Location
 GR2525 Rock Geochem. Sample Number

LORNE MINING CORPORATION LTD.
 OLD FORT MOUNTAIN 5&6 CLAIMS NTS:93M/IW

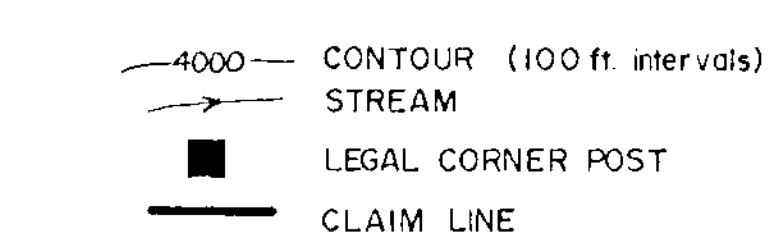
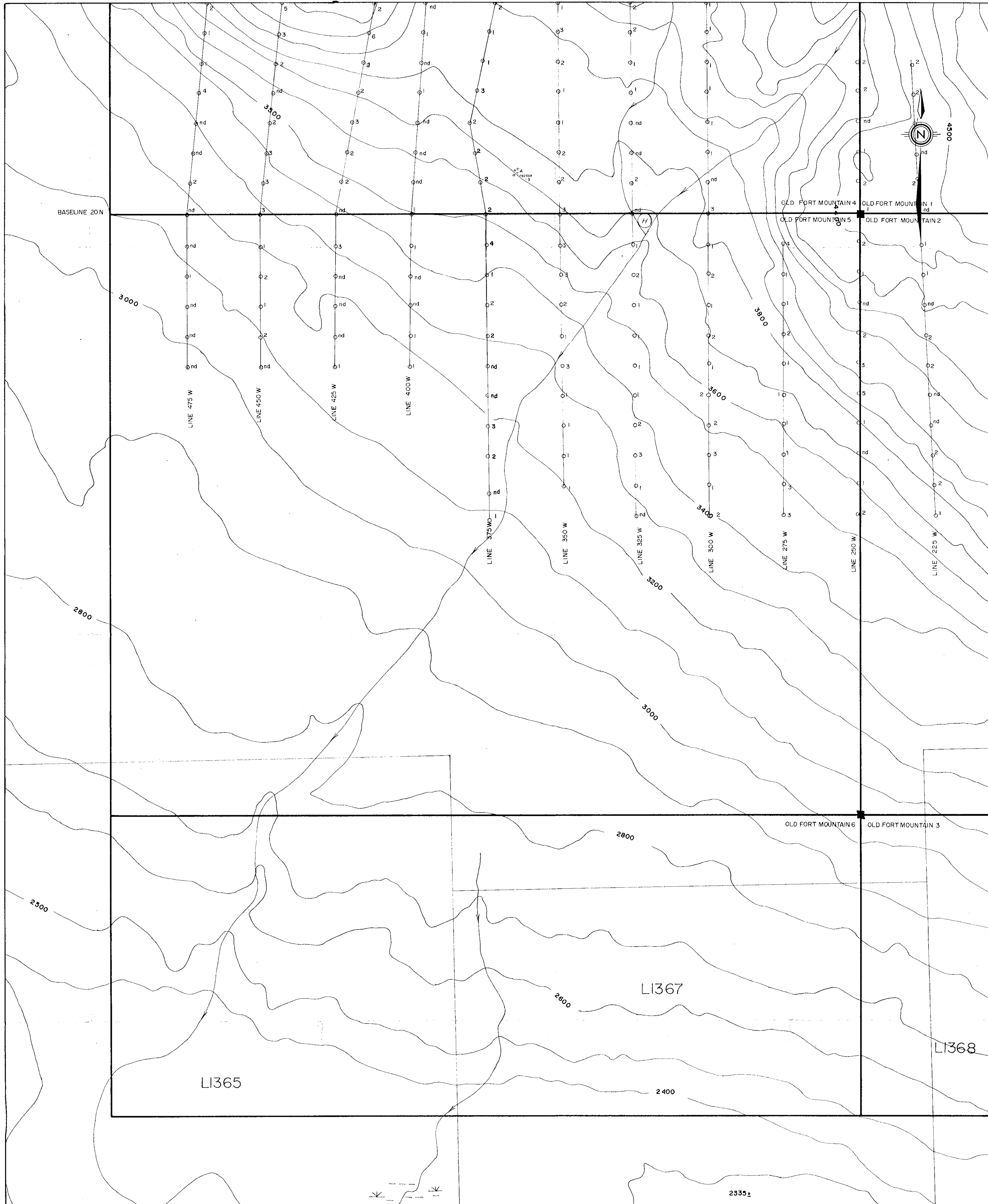


Figure 7a - Cu GEOCHEMISTRY *Appelbeck*



LEGEND

LITHOLOGY

UNIT 1 - SEDIMENTARY ROCKS

- [1a] Argillite
- [1b] Marine Siltstone
- [1c] Marine Sandstone
- [1d] Interbedded Volcanic Tuff / Sandstone
- [1e] Hornfelsed equivalents 1a - d
- [1f] Cherts

UNIT 2 - VOLCANIC ROCKS

- [2a] Tuffaceous Rock
 - [2b] Andesitic Volcanics
- INTRUSIVE ROCKS
- UNIT A Hornblende Granodiorite
 - UNIT B Biotite Granodiorite
 - UNIT C "Aplite"

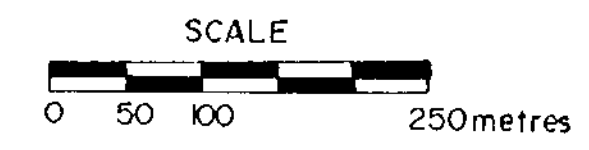
GEOCHEMISTRY

- Soil Sample Location
 - 4 Analytical Value - Mo (ppm)
 - Rock Sample Location
 - X Float Sample Location
- 0425.25 Rock Geochem. Sample Number

LORNE MINING CORPORATION LTD.

OLD FORT MOUNTAIN 5&6 CLAIMS

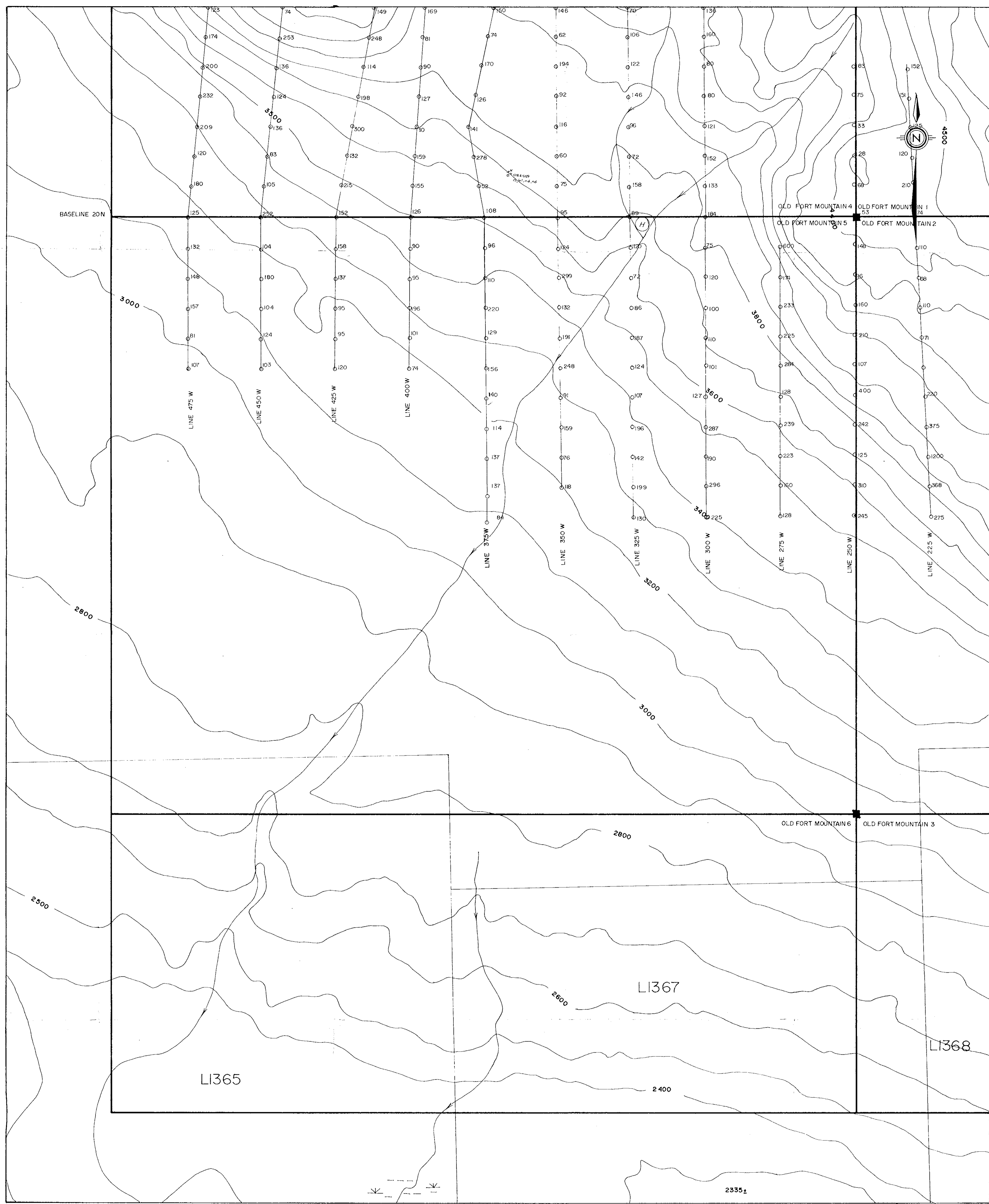
NTS:93M/1W



- 4000 CONTOUR (100 ft intervals)
- STREAM
- LEGAL CORNER POST
- CLAIM LINE

Figure 7b - Mo GEOCHEMISTRY

Black



LEGEND

- LITHOLOGY**
UNIT 1 - SEDIMENTARY ROCKS
 [1a] Argillite
 [1b] Marine Siltstone
 [1c] Marine Sandstone
 [1d] Interbedded Volcanic Tuff / Sandstone
 [1e] Hornfelsed equivalents 1a - d
 [1f] Cherts

- UNIT 2 - VOLCANIC ROCKS**
 [2a] Tuffaceous Rock
 [2b] Andesitic Volcanics
- INTRUSIVE ROCKS**
 [UNIT A] Hornblende Granodiorite
 [UNIT B] Biotite Granodiorite
 [UNIT C] 'Aplite'

- GEOCHEMISTRY**
 O Soil Sample Location
 300 Analytical Value - Zn (ppm)
 [] Rock Sample Location
 X Float Sample Location
 06/9525 Rock Geochem. Sample Number
 15,25,nd,nd Analytical Value Pb,Zn,Ag,ppm Au(ppb)

LORNEX MINING CORPORATION LTD.
 OLD FORT MOUNTAIN 5 & 6 CLAIMS NTS:93M/IW

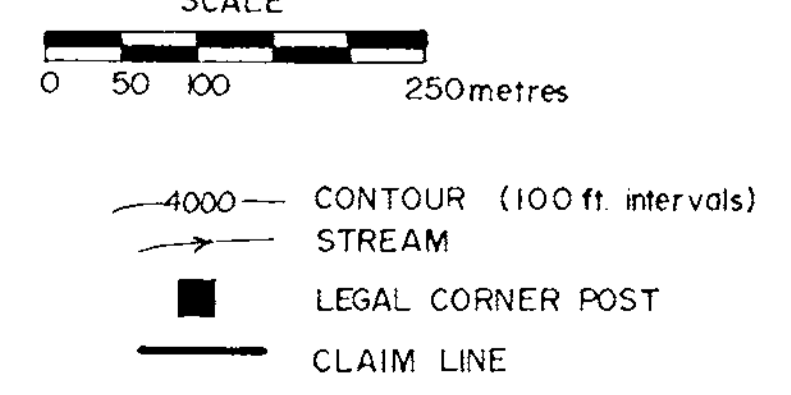
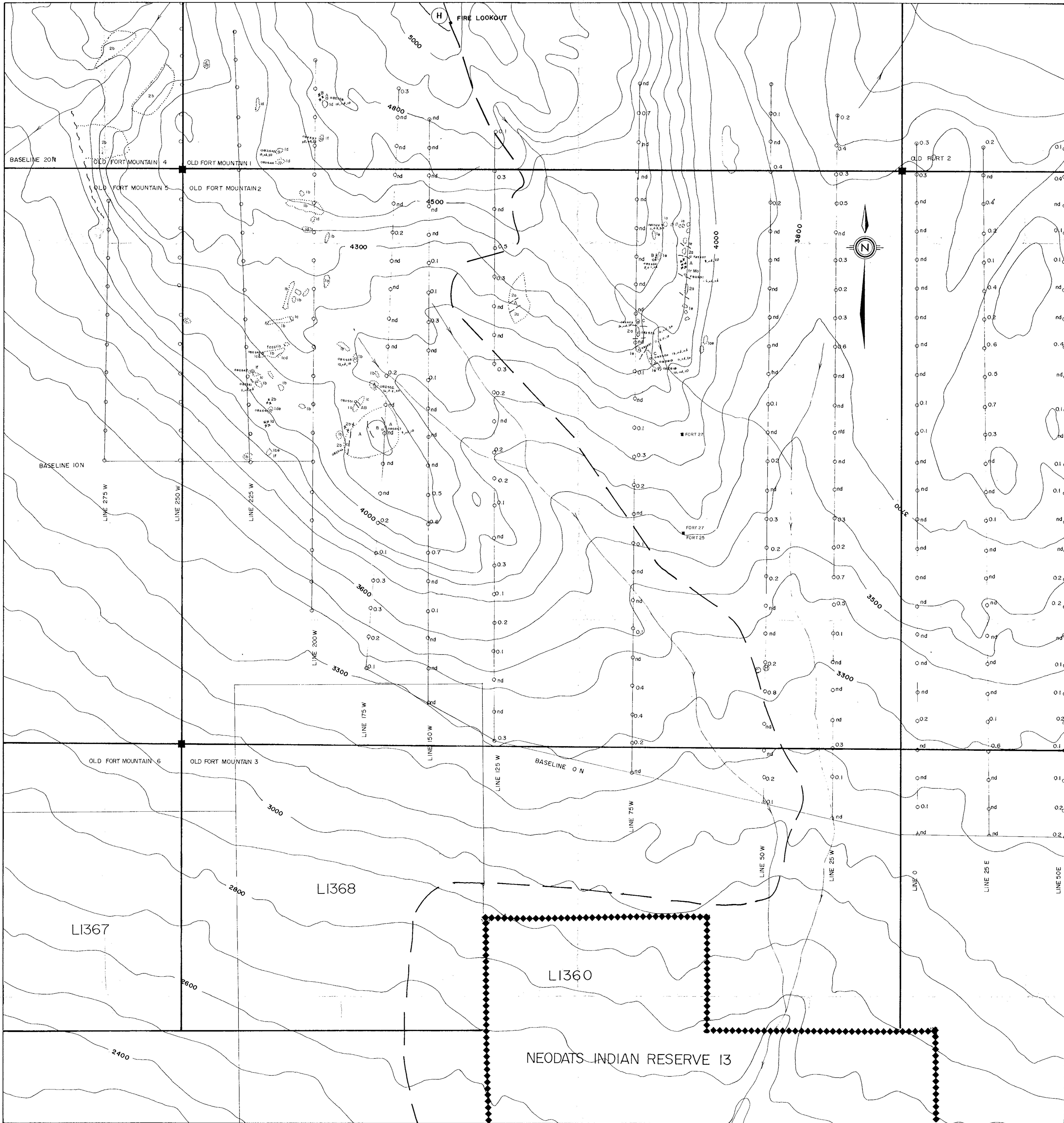


Figure 7c - Zn GEOCHEMISTRY
Maclean



LEGEND

LITHOLOGY

UNIT 1 - SEDIMENTARY ROCKS

- [1a] Argillite
- [1b] Marine Siltstone
- [1c] Marine Sandstone
- [1d] Interbedded Volcanic Tuff / Sandstone
- [1e] Hornfelsed equivalents 1a - d
- [1f] Cherts

UNIT 2 - VOLCANIC ROCKS

- [2a] Tuffaceous Rock
- [2b] Andesitic Volcanics

INTRUSIVE ROCKS

- UNIT A Hornblende Granodiorite
- UNIT B Biotite Granodiorite
- UNIT C "Aplite"

GEOCHEMISTRY

- Soil Sample Location
- 0.4 Analytical Value - Ag (ppm)
- Rock Sample Location
- × Float Sample Location
- 047925 Rock Geochem. Sample Number
- 19,05.nd Analytical Value Pb,Ag,(ppm) A u (ppb)

LORNEX MINING CORPORATION LTD.
OLD FORT MOUNTAIN 2 & 3 CLAIMS NTS93M/IW

- SCALE
0 50 100 250 metres
- CONTOUR (100 ft intervals)
 - STREAM
 - TRAIL
 - LEGAL CORNER POST
 - CLAIM LINE
 - BOUNDARY
INDIAN RESERVE
PRIVATE LOT
 - HELIPAD

- FAULT
- OUTCROP
- KNOWN GEOLOGICAL CONTACT
- ASSUMED GEOLOGICAL CONTACT
ep,py,cpy,Mo.
- SWAMP

Figure 5d - GEOLOGY and Ag GEOCHEMISTRY

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