

**1995 GEOCHEMICAL
AND
GEOPHYSICAL REPORT**

**ON THE
LOUISE LAKE MINERAL PROPERTY**

**OMINECA MINING DIVISION
BRITISH COLUMBIA**

NTS: 93L/13E & 13W

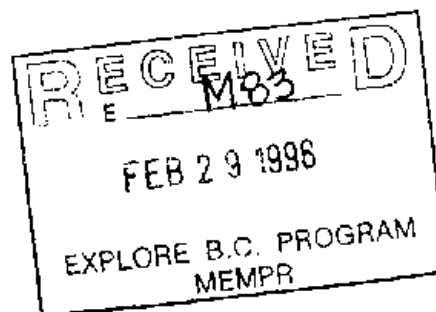
**LATITUDE: 54° 51' NORTH
LONGITUDE: 127° 41' WEST**

**OWNER: 402774 B.C. LTD.
BOX 2124
SMITHERS, B.C. VOJ 2N0**

**OPERATOR: GLOBAL MINERAL AND CHEMICAL LTD.
123 - 626 WEST PENDER STREET
VANCOUVER, B.C. V6B 1V9**

**REPORT BY: S.J. TENNANT, GEOLOGIST
GLOBAL MINERAL & CHEMICAL LTD.**

DATE: FEBRUARY 27, 1996



25,359

**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

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SUMMARY

The Louise Lake property is located 35km west of Smithers, B.C. The property consists of 13 modified grid or four post mineral claims (184 mineral claim units) located in the Omineca Mining Division. The property, originally located in 1968, has been partially tested by geological, geophysical and geochemical surveys and by trenching and 5,588 metres of diamond drilling.

The 1995 work program consisted of reconnaissance geochemical soil sampling and 39km of a geophysical induced polarization (IP) survey.

Results of the regional soil and rock geochemical sampling indicate anomalous Zn, Mo and Ag values up to 1.5 km southeast of the known zone of mineralization. The geophysical IP survey has outlined two large anomalous zones known as the Main and East Zones. Both of these zones of increased chargeability extend well beyond the areas previously tested by diamond drilling.

INTRODUCTION

i. Location, Access and Physiography

The Louise Lake property is located 35km west of Smithers in west-central British Columbia (Figure 1). The geographic centre of the property is at latitude 54° 51' north and longitude 127° 41' west in NTS map sheet 93L/13E.

Recent logging roads around Louise Lake afford good access to the property (Figure 2). Much of the property is covered by over-mature stands of spruce, pine and balsam broken up by open swamp northeast and southwest of Louise Lake.

Elevations range from 915 to more than 1,100 metres in moderate terrain.

Bedrock is generally poorly exposed except in the trenched area west of Louise Lake and on some of the steeper slopes north and south of Louise Lake.

ii. Claim Status

The Louise Lake property consists of 13 modified grid mineral claims totalling 184 units (Figure 3) located in the Omineca Mining Division. Claim information is summarized below:

<u>Claim Name</u>	<u>No. of Units</u>	<u>Record Number</u>	<u>Expiry Date</u>
Tenn	20	239324	October 23, 2002
Tenn 2	20	239530	July 20, 2002
Tenn 3	20	239531	July 20, 2002
Trout	4	240168	October 12, 2002
Tenn 4	14	305944	October 27, 1995
Tenn 5	8	305945	October 26, 1995
Tenn 6	20	305946	October 26, 1995
Tenn 7	10	305947	October 28, 1995
Tenn 8	8	305948	October 28, 1995
Tenn 9	20	305949	October 29, 1995
Tenn 10	20	305950	October 31, 1995
Tenn 11	10	305951	October 31, 1995
Tenn 12	10	305952	October 31, 1995

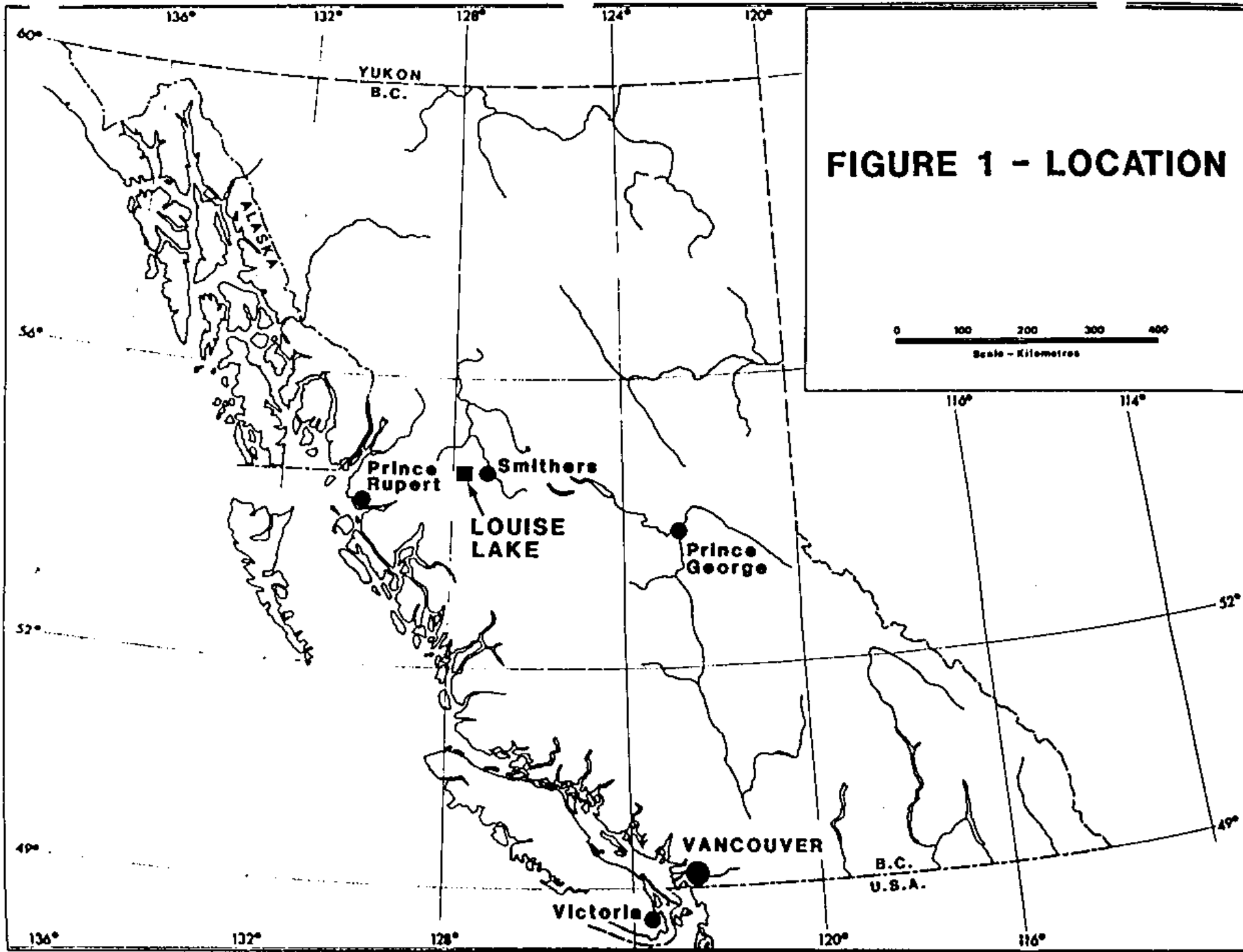
iii. Property History

Copper mineralization was discovered immediately west of Louise Lake by Mastodon - Highland Bell Mines in 1968. Exploration consisted of geological, geochemical and geophysical surveys and 220 metres of bulldozer trenching. The property was optioned to Canadian Superior Exploration in late 1969. In 1970, Canadian Superior carried out additional geological and geochemical surveys, 42 line-km of IP surveys and completed 17 diamond drill holes totalling 2,021 metres prior to terminating the agreement in 1971.

The claims lapsed and were re-staked by Granby Mining Corporation in 1975. Granby carried out additional geochemical and geophysical surveys. Granby's interests were acquired by Noranda Exploration Company, Limited in 1979 and this company carried out an airborne VLF-EM and magnetometer survey and some rock and soil geochemistry before abandoning the claims in 1985.

The property was staked by L.B. Warren and E.A. Shaede in 1986 and optioned to Lacana Mining Corporation (latterly Corona Corporation) in 1987. Work completed by Corona through 1989 included resampling of Canadian Superior 1970 drill core, soil and rock geochemistry, geological mapping, geophysical surveys, 485 metres of backhoe trenching. Five diamond drill holes totalling 916 metres were drilled in the central part of the porphyry prior to Corona terminating the option agreement.

The Louise Lake mineral claims were acquired by 402274 B.C. Ltd. in early 1991, and optioned to New Canamin Resources Ltd. in October. New Canamin subsequently entered into an agreement with Equity Silver Mines Limited who completed a 13 diamond drill hole program. In 1995, Global Mineral & Chemical Ltd. optioned the Louise Lake mineral claims from 402274 B.C. Ltd.



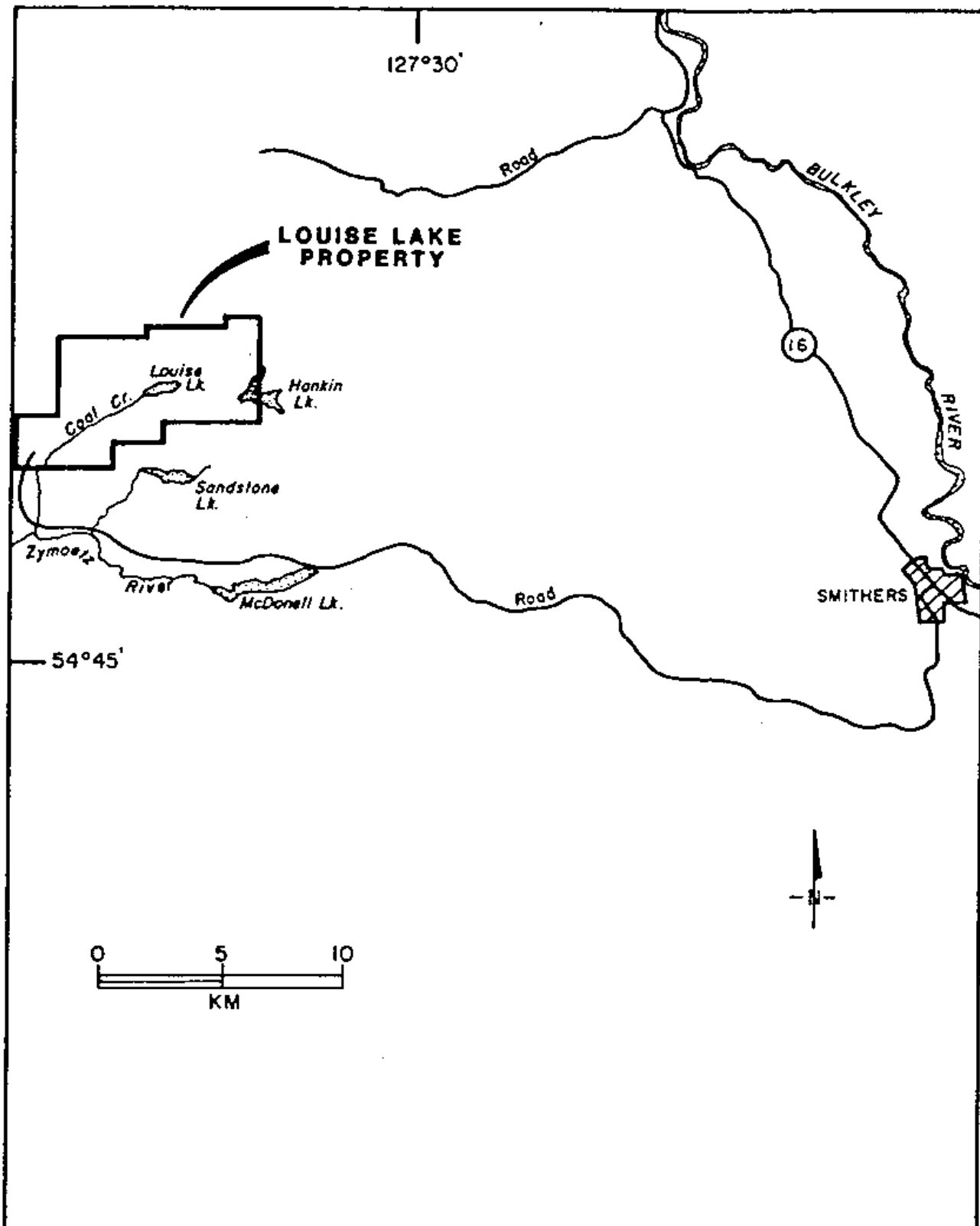


FIGURE 2 - LOCATION - LOUISE LAKE PROPERTY

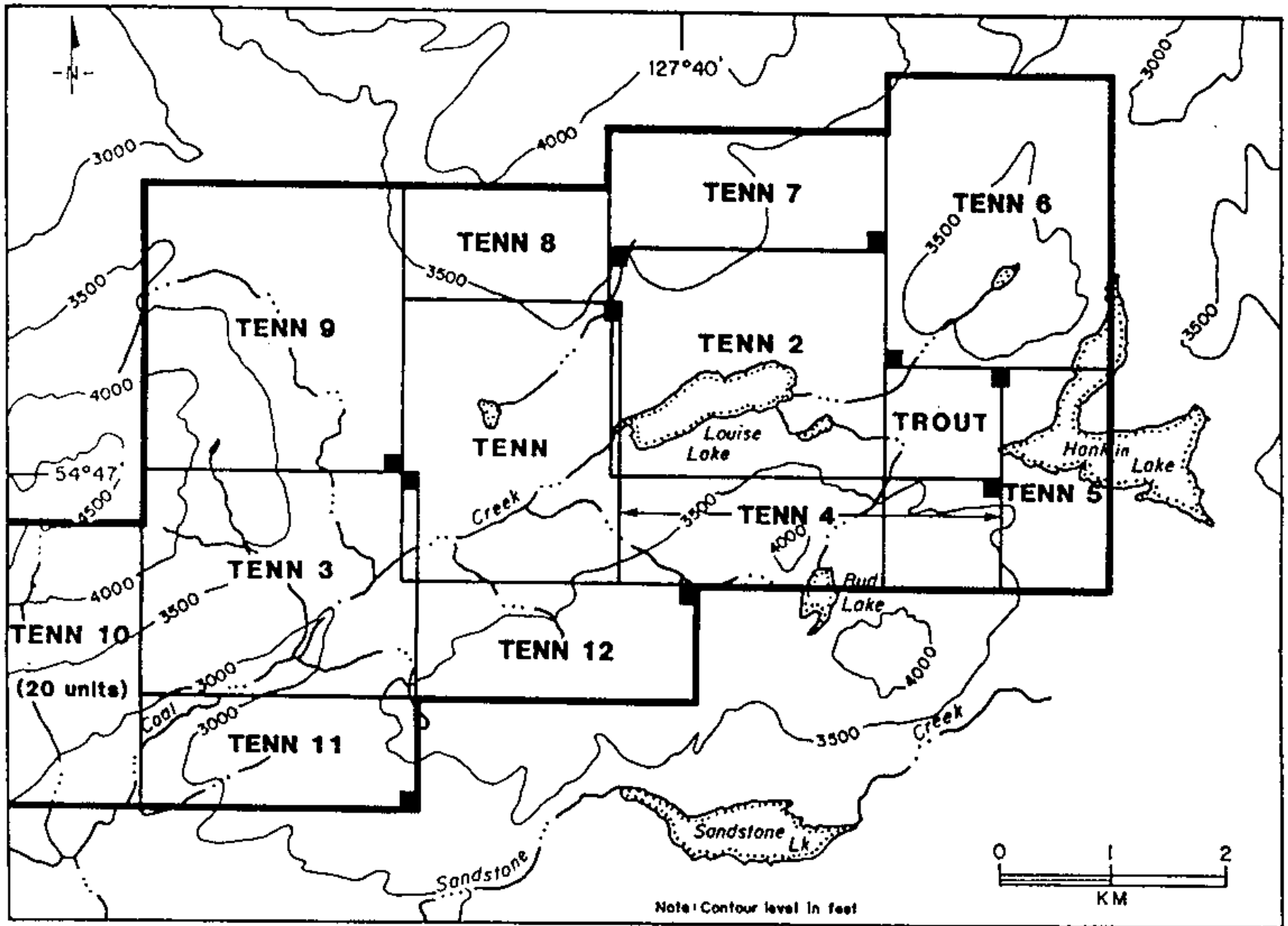


FIGURE 3 - MINERAL CLAIMS

REGIONAL GEOLOGY

The Louise Lake property lies within the Intermontane tectonic belt of west-central British Columbia. G.S.C. Open File 351 (1976) shows the area of the property to be underlain by Middle Jurassic to Lower Cretaceous sediments and volcanics that have been intruded by late Cretaceous and Eocene felsic to intermediate intrusives. Granitic plutons of varying compositions include intensely altered feldspar porphyries in the main mineralized zone west of Louise Lake and north of the regional fault.

The area is characterized by a number of porphyry copper and/or molybdenum deposits, some containing significant by-product gold which are associated with the younger plutons. These deposits tend to be associated with plutons of Late Cretaceous and Tertiary age which intrude Mesozoic volcanic and sedimentary rocks of the Intermontane tectonic belt. The porphyry intrusions take the form of small stocks, plugs, dykes and dyke swarms generally not exceeding 1 sq. mile in surface area. Cu and Mo sulphides occur as fracture fillings and as veinlet stockworks within and adjacent to the intrusive bodies.

PROPERTY GEOLOGY AND MINERALIZATION

The Coal Creek lineament, an east-northeast striking fault zone of regional extent, which follows Coal Creek and the north shore of Louise Lake, separates Middle Jurassic (Hazelton Group and Bowser Assemblage?) volcanics and sediments on the south from mid-Cretaceous (Skeena Group) rocks on the north (Figure 4).

Hazelton Group (and Bowser Assemblage?) rocks consist of mainly massive andesitic flows, tuffs and poorly sorted sediments. Skeena Group rocks north of the regional fault consist of more acidic tuffs, breccias and flow rocks with some interbedded sediments.

The Main showing on the property is an intrusive unit of highly pyrite-quartz-sericite-kaolinite altered feldspar porphyry originally of quartz monzonite composition. This showing is exposed on a small 200m x 500m hill located 800 metres west of Louise Lake. Kaolinization-sericitization-silicification are predominant resulting in three distinct zones. These zones grade from highly silicified central stockwork zone through an intermediate zone of moderate clay alteration and silicification to a peripheral argillic zone with extremely high kaolinization and moderate silicification. Pyrite mineralization has been found in varying amounts from 1-10% in all zones of the intrusive. The hill was trenched by Mastadon-Highland Bell in 1969 and drilled by Canadian Superior in 1970.

Sulphide mineralization, developed within and adjacent to the south margin of the feldspar porphyry intrusion, consists principally of pyrite (up to 10% by volume) which occurs as disseminations, fracture fillings and in 2 - 4mm wide quartz veinlets. Chalcopyrite is present along the edges of pyrite veins and quartz/pyrite veins. Minor molybdenite is present along with trace amounts of tetrahedrite and tennantite. Fractures and quartz veinlets are dipping fairly steeply and have preferred orientations of 010°, 060° and 340°.

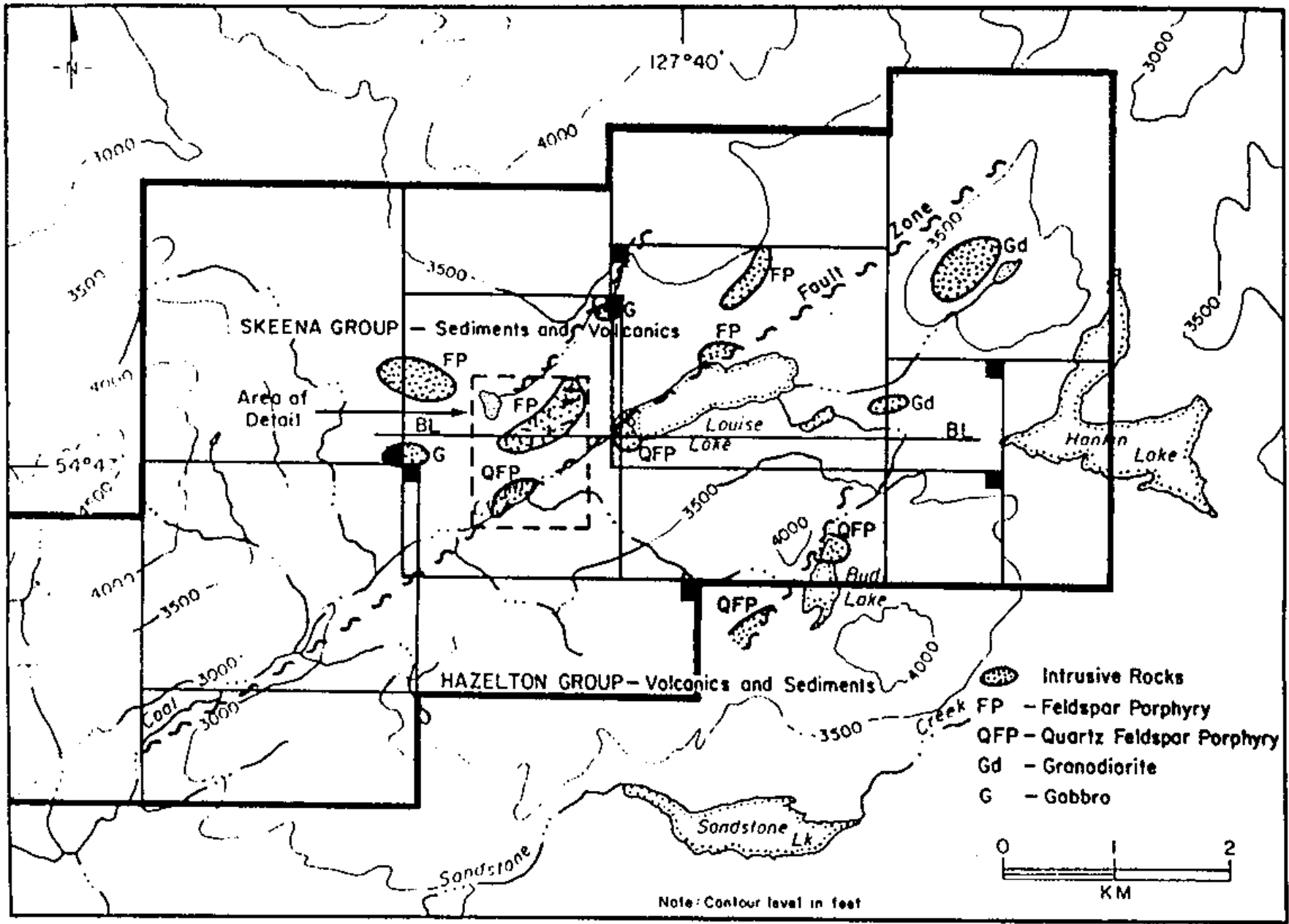


FIGURE 4 - GEOLOGICAL SETTING

GEOCHEMICAL SURVEY

A regional geochemical traverse was carried out south of Louise Lake and Coal Creek on the Tenn and Tenn #2 mineral claims during late July 1995 (Figure 5).

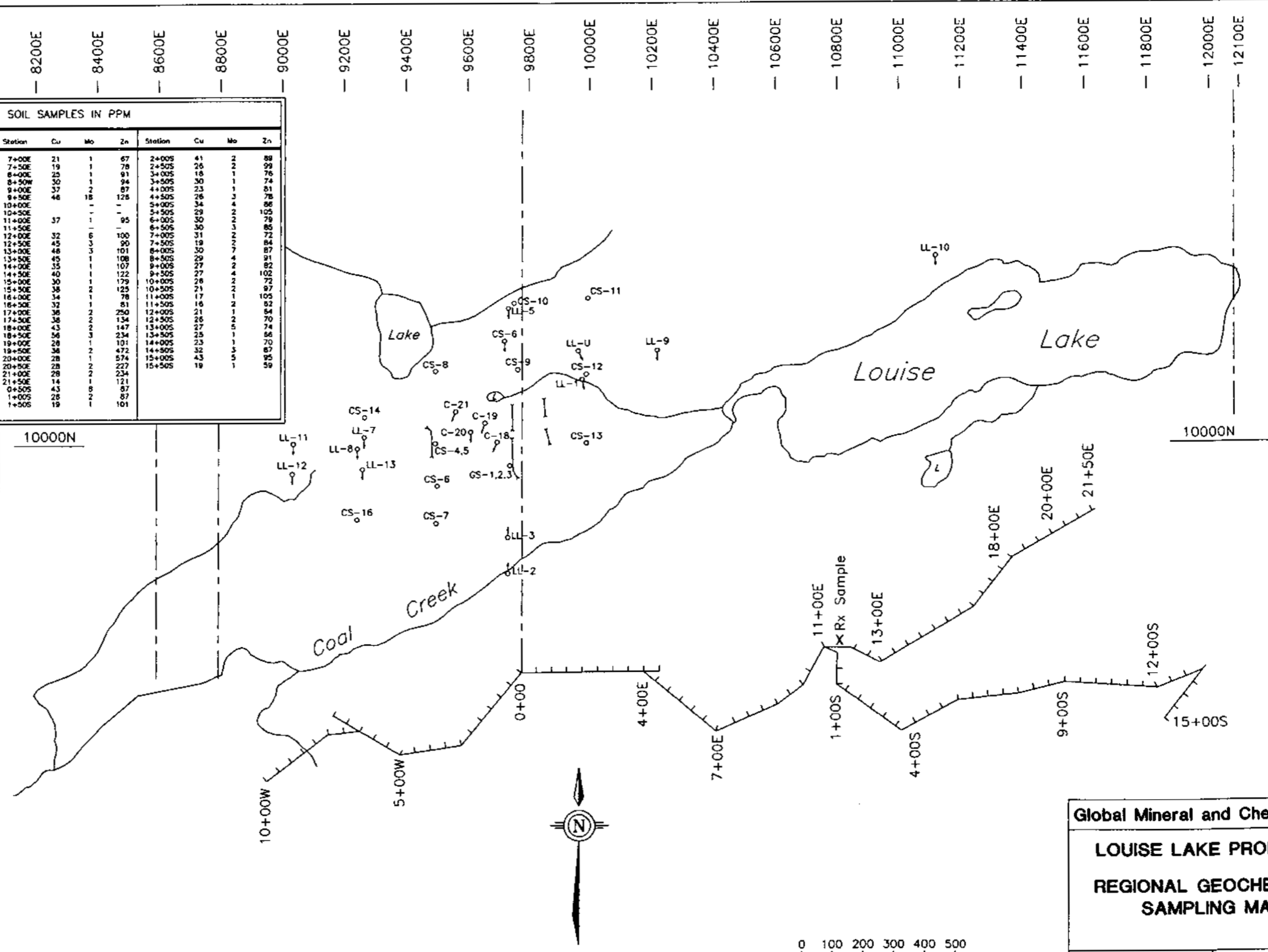
Soil samples were collected every 50 metres along the 4,500 metre traverse and stored in Kraft paper envelopes, assigned a number whose location was marked on a topographic map. All samples were collected from the B soil horizon with the aid of a grub hoe. The samples were dried at ambient temperatures, then shipped to Min-En Labs for 31 ICP analysis. Full ICP analysis are given in Appendix 1.

Purpose of the soil sampling was to check the area south of Louise Lake. In 1992, Equity Silver Mines Ltd. drilled a hole (LL 92-10) beneath the north shore of Louise Lake to test the faulted extension of the 1970 IP anomaly, the East zone. The drill hole intersected a sequence of volcanic tuffs intruded by feldspar porphyry dykes. Weak quartz-sericite alteration was accompanied by variable amounts of pyrite, sphalerite, chalcopyrite, galena and arsenopyrite mineralization in the form of small veins, veinlets, and blebs. This mineralogy is different than that prevalent within the Main zone southwest of Louise Lake.

Results of the geochemical sampling show anomalous values in Zn, Ag and Mo and indicate that additional soil sampling should be carried out to further define the anomaly.

SOIL SAMPLES IN PPM											
Station	Cu	Mo	Zn	Station	Cu	Mo	Zn	Station	Cu	Mo	Zn
10+00W	32	2	113	7+00E	21	1	67	2+00S	41	2	88
9+50W	41	2	151	7+50E	19	1	78	2+50S	26	2	99
9+00W	38	2	156	8+00E	25	1	91	3+00S	18	1	76
8+50W	54	2	132	8+50W	30	1	94	3+50S	30	1	74
8+00W	33	1	134	9+00E	37	2	87	4+00S	23	1	81
7+50W	41	1	135	9+50E	46	18	128	4+50S	26	3	78
7+00W	29	1	109	10+00E	-	-	-	5+00S	34	4	86
6+50W	48	1	93	10+50E	-	-	-	5+50S	29	2	105
6+00W	57	1	77	11+00E	37	1	95	6+00S	30	2	79
5+50W	50	1	79	11+50E	-	-	-	6+50S	30	1	85
5+00W	29	1	82	12+00E	32	6	100	7+00S	31	2	72
4+50W	32	2	64	12+50E	45	3	90	7+50S	19	1	84
4+00W	42	1	73	13+00E	48	3	101	8+00S	30	7	87
3+50W	36	3	125	13+50E	45	1	108	8+50S	29	4	91
3+00W	45	1	120	14+00E	35	1	107	9+00S	27	2	82
2+50W	30	2	104	14+50E	40	1	122	9+50S	27	4	102
2+00W	34	1	148	15+00E	30	1	179	10+00S	28	2	72
1+50W	35	2	118	15+50E	38	2	125	10+50S	21	2	87
1+00W	33	2	115	16+00E	34	1	78	11+00S	17	1	105
0+50W	32	3	96	16+50E	32	1	81	11+50S	16	2	82
0+00W	32	1	83	17+00E	36	2	250	12+00S	21	1	84
0+50E	33	1	99	17+50E	38	2	134	12+50S	26	2	70
1+00E	40	1	78	18+00E	43	2	147	13+00S	27	5	74
1+50E	30	1	113	18+50E	56	3	234	13+50S	25	1	86
2+00E	31	1	119	19+00E	28	1	101	14+00S	23	1	70
2+50E	27	1	119	19+50E	36	2	472	14+50S	32	1	87
3+00E	32	2	137	20+00E	28	1	574	15+00S	43	5	95
3+50E	31	4	192	20+50E	28	2	227	15+50S	19	1	59
4+00E	37	3	142	21+00E	28	2	234				
4+50E	34	3	132	21+50E	14	1	121				
5+00E	28	2	103	0+50S	43	8	87				
5+50E	16	2	93	1+00S	26	2	87				
6+00E	40	3	92	1+50S	19	1	101				
6+50E	28	1	83								

Rock Samples	Cu	Mo (PPM)	Zn
5+00E	25	6	89
6+00E	87	7	49
11+50E	49	375	71



Global Mineral and Chemical Ltd.

LOUISE LAKE PROPERTY

REGIONAL GEOCHEMICAL SAMPLING MAP

DATE: JAN. 1996	SCALE: AS SHOWN
DRAWN:	FIGURE: 5

GEOPHYSICAL SURVEY

The induced polarization (IP) survey was completed in two parts. The initial survey, carried out during August 3, 1995 to August 12, 1995, consisted of 9km completed over five lines. The survey was intended as a follow-up to a frequency domain IP survey conducted on the property in 1970 by McPhar Geophysics (Goudie and Hallof 1970).

Three of the lines, 8600 E, 8800 E and 9800E are located in the western part of the property, while lines 12100E and 12300E are located at the northeast end of Louise Lake. A pole-dipole array with an "a" spacing of 50 metres was used. Readings were collected for "n"=1 through "n"=6. Two different transmitters were used. The survey started with a Phoenix time domain transmitter and completed with an Iris 3000. Both transmitters were run using a cycle time of two second on and two second off. An Androtex time domain receiver was used throughout. All the data was downloaded to a computer each evening. The apparent resistivity was calculated for each station using the recorded transmitter current and the nominal dipole spacing (50 metres). Chargeability for time windows 3 and 6 and the calculated apparent resistivity were plotted each night as pseudosections. The data is presented as five pseudosections Line 8600E, 8800E, 9800E, 12100 and 12300E. A location plan map are attached as Appendix II.

Results of the 1995 IP survey show good correlation to the 1970 IP survey. The new survey, however, shows the picture more clearly, especially at depth. This is due to the superiority of time domain IP over frequency domain and to the improved receiver technology. Line 9800E has a very strong chargeability high located from 250N to 650N. The region from 250S to 250N is anomalous but weaker and more erratic. The chargeability high zone is associated with a resistivity low. Both lines 8600E and 8800E show a weaker response than line 9800E, but still a well defined anomaly from 400S to the north end of the line. The anomaly appears to be dipping to the north. The pseudosections for L12100E and L12300E do not show any anomalous responses.

Due to the encouraging results of the initial IP it was decided to extend the IP survey to the west to close off the anomaly, as well as the eastern part of the property across Louise Lake to better defined the mineralized East zone. During the period January 27, 1996 to February 22, 1996, Lloyd Geophysics Inc. conducted an IP survey consisting of 30km on 19 lines.

The IP survey delineated two distinct zones of increased chargeability.

The first main zone is roughly centred at grid coordinates 9,600E, 10,000N. The anomaly strikes northeast-southwest and can generally be described as having an oval shape with a length of about 2,000 metres and a width of about 950 metres. Chargeability values here range from 15 milliseconds to over 50 milliseconds with background being about 7 milliseconds or less. This anomaly, due to its size and extent, can be described as having a "porphyry style" signature, based on chargeability values, and a high degree of alteration which is suggested by the low resistivity values (say lower than 100 ohm-m).

Previous drilling of this zone has been confined to a relatively small area within the anomaly. This drilling outlined approximately 50 million tons of 0.3% copper and .014 ounces per ton gold. In view of these results and the overall size of the anomaly, this zone presents itself as an excellent target for further exploration by drilling.

The second zone of increased chargeability is referred to as the East Zone. It is along strike with the main zone, however, the two are separated by a northwest-southeast trending feature which could be a fault or geological contact roughly passing through grid coordinates 10,500E, 10,500N. The East Zone is about 800 metres long and 400 metres wide. Though it is believed that this anomaly is derived from a single source, it can be divided into two parts, a northwest half which contains high resistivity values (200 - 300 ohm-m) and a southeastern half which has lower resistivity values (less than 200 ohm-m). To date only one drill hole has tested this zone and encouraging results were obtained. This zone is a near surface target and warrants further exploration by drilling.

Contoured plan maps of the chargeability and resistivity are located in Appendix III.

CONCLUSIONS AND RECOMMENDATIONS

Exploratory work programs to date on the Louise Lake prospect have established the presence of two mineralized zones. The Main zone underlies a low hill located 800m west of Louise Lake. Mineralization is hosted in an intrusive unit of highly pyrite-quartz-sericite-kaolinite altered feldspar porphyry originally of quartz monzonite composition. Sulphide mineralization consists principally of pyrite (up to 10% by volume), chalcopyrite, minor molybdenite along with trace amounts of tetrahedrite and tennantite. Drill results indicate an east-west striking, moderately north dipping and west plunging tabular mineralized zone which is open both down-dip and along strike.

The East zone has been tested by one drill hole, drilled from the north shore of Louise Lake. The drill hole intersected a sequence of volcanic tuffs intruded by feldspar porphyry dykes. Weak quartz-sericite alteration was accompanied by variable amounts of pyrite, sphalerite, chalcopyrite, galena and arsenopyrite mineralization. The mineralogy differs from that found in the Main zone.

Compilation of previous data along with the encouraging results obtained from the 1995 exploration program certainly warrant further work. There is considerable potential for expanded tonnage to the west, for the discovery of additional zones and for the development of higher grade sub-zones within the known mineralization.

Results of the 1995 IP survey outlined two large zones of increased chargeability. The geophysical signatures of these anomalies combined with results from previous drill programs make these zones excellent targets for further exploration by drilling.

In view of the anomalies it is recommended that initially fence drilling be carried out on 200m centres. The fences should be planned such that they pass over areas exhibiting a similar geophysical response to that over areas where successful drill results have been previously obtained.

STATEMENT OF COSTS

Topographic Map (70 sq. km.) Scale 1:10,000	5,333
Prospecting and Geochem. Sampling 6 Days @ \$275/Day	1,650
Sample Preparation and Assay (96 Samples @ \$16/Sample)	1,536
Line Cutting (42km) 64 Days @ \$250/Day	16,000
'95 Geophysical Survey (IP) 11 Days @ \$1,750/Day	19,250
'96 Geophysical Survey (IP) 24 Days @ \$1,525/Day	36,600
Geophysics Crew Travel Van to Smithers & Return, 4 Days @ \$1,325	5,300
Geophysical Truck Rental 28 Days @ \$65/Day	1,820
2 Skidoo's + Trailer - Rental One Month	1,875
Cabin Rental - McDonell Lake Area	
Aug '95 2 Cabins @ \$40/Cabin/Day (11 Days)	880
Oct '95 1 Cabin @ \$40/Cabin/Day (21 Days)	840
Jan - Feb '96 3 Cabins @ \$40/Cabin/Day (26 Days)	4,800
Cook with Industrial First Aid 28 Days @ 150/Day	4,200
Food (7 People for 25 Days)	3,300
Snow Clearing (Dozer and Grader) 15km Road	4,800
Pickets, Flagging for IP Lines	650
Geologist 25 Days @ \$250/Day	6,250
	<hr/>
	\$115,084

AUTHOR'S QUALIFICATIONS

I, STUART J. TENNANT, do hereby certify that:

1. I am a geologist residing at 600 Garrow Drive, Port Moody, British Columbia, V3H 1H5.
2. I am a 1959 graduate of the University of British Columbia with a Bachelor of Science degree in geology.
3. I have practiced my profession in exploration since 1959, primarily in British Columbia.
4. Since January 1995, I have been employed as an exploration geologist with Global Mineral & Chemical Ltd.
5. I personally supervised and have compiled, reviewed and assessed the data resulting from the work.



STUART J. TENNANT

DATED at Vancouver, British Columbia, this 27 day of February, 1996.

REFERENCES

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Appendix I

Geochem ICP Analysis

COMP: GLO. MINERALS
 PROJ: LOUISE LAKE
 ATIN: GEORGE HEARD / GORDON IRVING

MIN-EN LABS — ICP REPORT
 8282 SHERBROOKE ST., VANCOUVER, B.C. V5K 4E8
 TEL: (604) 327-3436 FAX: (604) 327-3423

FILE NO: 55-0075-SJ1
 DATE: 95/08/
 * soil * (ACT: F3)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
LLS 0+00E	.1	1.41	1	200	1.5	4	.84	.1	14	6	32	3.11	1	.05	.9	.69	1577	1	.01	19	1950	41	1	3	34	1	.01	1	62.7	1	83
LLS 0+50E	.1	1.35	1	209	1.6	4	.68	.1	13	4	33	3.29	1	.04	8	.47	1630	1	.01	16	1930	54	1	3	11	1	.01	1	61.4	1	99
LLS 1+00E	.1	1.24	1	187	1.5	5	.65	.1	14	3	40	2.87	1	.05	7	.44	1666	1	.01	17	1530	45	1	3	16	1	.01	1	59.4	1	78
LLS 1+50E	.1	1.50	1	244	1.7	5	.70	.1	14	4	30	3.38	1	.05	12	.28	1459	1	.01	17	1820	64	1	3	27	1	.01	1	59.8	1	113
LLS 2+00E	.1	1.38	1	326	1.7	7	.68	.1	14	1	31	3.43	1	.05	9	.25	2461	1	.01	22	2260	59	1	3	12	1	.01	1	60.9	1	119
LLS 2+50E	.1	1.27	1	291	1.5	5	.67	.1	12	6	27	3.04	1	.05	8	.33	1288	1	.01	19	1670	62	1	2	17	1	.01	1	51.2	1	119
LLS 3+00E	.1	1.71	1	292	2.0	5	.52	.1	11	4	32	3.79	1	.05	14	.19	1148	2	.01	17	2320	62	1	3	6	1	.01	1	54.8	1	137
LLS 3+50E	.1	1.78	1	402	2.3	9	.38	.1	15	3	31	4.66	1	.04	11	.17	1246	4	.01	21	1740	90	1	4	1	1	.01	1	61.8	1	192
LLS 4+00E	.1	1.00	1	321	1.7	8	.97	.1	19	1	37	3.68	1	.05	6	.30	2167	3	.01	21	2150	82	1	3	50	1	.01	1	55.3	1	142
LLS 4+50E	.1	2.46	1	285	2.5	9	.54	.1	16	4	34	5.20	1	.04	11	.20	1713	3	.01	23	2760	57	1	6	1	1	.01	1	67.0	1	132
LLS 5+00E	.1	1.83	1	244	1.6	6	.66	.1	10	6	28	2.98	1	.04	12	.20	959	2	.01	14	1380	37	1	2	18	1	.01	1	53.0	1	103
LLS 5+50E	.1	2.25	1	140	1.5	7	.32	.1	10	5	16	3.09	1	.03	8	.14	917	2	.01	12	580	40	2	2	1	1	.01	1	45.3	1	93
LLS 6+00E	.1	1.71	1	190	2.2	5	.67	.1	17	5	40	3.46	1	.06	17	.16	1435	3	.01	20	2320	38	1	3	7	1	.01	1	48.1	1	92
LLS 6+50E	.1	1.62	1	238	1.7	3	.63	.1	10	9	26	2.69	1	.09	8	.35	714	1	.02	15	2010	27	1	2	12	1	.02	1	45.8	1	83
LLS 7+00E	.1	1.62	1	318	1.4	4	.70	.1	9	7	21	2.49	1	.11	9	.35	736	1	.02	14	1860	25	1	2	32	1	.02	1	46.6	1	67
LLS 7+50E	.1	.95	1	252	1.1	4	.70	.1	10	9	19	2.45	1	.04	5	.29	824	1	.01	15	1160	32	1	2	40	1	.01	1	46.7	1	78
LLS 8+00E	.1	1.46	1	198	1.4	6	.52	.1	12	5	25	3.00	1	.04	5	.24	1125	1	.01	13	1580	40	1	2	1	1	.01	1	55.1	1	91
LLS 8+50E	.1	.98	1	251	1.4	3	.70	.1	14	4	30	2.99	1	.04	5	.27	1501	1	.02	17	1560	44	1	2	38	1	.01	1	54.6	1	94
LLS 9+00E	.1	1.76	1	236	1.8	8	.70	.1	17	4	37	3.66	1	.04	7	.22	1416	2	.01	17	2270	39	1	3	17	1	.01	1	60.7	1	87
LLS 9+50E	.1	.96	1	263	2.3	6	.79	.1	27	1	46	5.45	1	.05	4	.17	2342	18	.01	25	2070	74	1	4	66	1	.01	1	80.1	1	126
LLS 11+00E	.1	1.06	1	339	2.5	7	1.88	.1	25	2	37	4.38	1	.06	5	.20	2165	1	.01	23	2150	55	1	3	71	1	.01	1	90.0	1	95
LLS 12+00E	.1	1.63	1	190	1.8	5	.70	.1	14	3	32	3.60	1	.04	9	.19	1254	6	.01	16	2210	42	1	3	21	1	.01	1	60.3	1	100
LLS 12+50E	.1	1.45	1	296	2.0	6	.75	.1	20	1	45	4.04	1	.08	4	.32	2479	3	.01	20	1960	48	1	3	26	1	.01	1	66.8	1	90
LLS 13+00E	.1	1.97	1	234	1.9	6	.85	.1	47	1	46	4.24	1	.05	6	.31	2757	3	.01	31	2710	53	1	3	17	1	.01	1	66.0	1	101
LLS 13+50E	.1	1.58	1	183	1.8	9	1.01	.1	20	8	45	3.74	1	.06	6	.48	1912	1	.02	23	1920	50	1	2	78	1	.01	1	71.8	1	108
LLS 14+00E	.1	2.75	1	218	1.9	9	.79	.1	14	13	35	3.54	1	.04	11	.74	1157	1	.02	18	1980	34	3	2	14	1	.01	1	84.8	1	107
LLS 14+50E	.1	2.18	1	266	1.8	8	.94	.1	19	8	40	3.93	1	.06	11	.81	1920	1	.03	20	2060	52	1	3	35	1	.01	1	91.9	1	122
LLS 15+00E	.1	2.34	1	128	1.2	11	.51	.1	14	8	30	4.02	1	.04	7	.21	1282	1	.01	18	3660	83	1	3	4	1	.01	1	59.9	1	179
LLS 15+50E	.1	1.81	1	229	1.7	11	.77	.1	19	2	38	3.67	1	.04	4	.22	2308	2	.01	21	2140	50	1	2	27	1	.01	1	57.8	1	125
LLS 16+00E	.1	1.57	1	247	1.7	9	.80	.1	15	5	34	3.05	1	.06	6	.31	1370	1	.01	18	1440	34	1	2	42	1	.01	1	54.5	1	78
LLS 16+50E	.1	1.93	1	263	1.9	8	.85	.1	19	8	32	3.49	1	.04	7	.30	1675	1	.01	20	1460	35	1	2	25	1	.01	1	60.2	1	81
LLS 17+00E	.1	1.20	1	318	1.8	9	1.03	.1	19	5	38	3.85	1	.03	4	.28	1955	2	.01	21	1780	81	1	2	78	1	.01	1	65.9	1	250
LLS 17+50E	.1	2.43	1	149	1.8	11	.51	.1	17	7	38	3.80	1	.04	9	.26	1099	2	.01	17	2270	51	1	3	1	1	.01	1	63.0	1	134
LLS 18+00E	.1	2.17	1	190	1.7	10	.68	.1	18	7	43	3.81	1	.03	7	.24	1722	2	.01	21	2390	50	1	2	1	1	.01	1	67.5	1	147
LLS 18+50E	.1	1.84	1	193	1.9	11	.66	.1	23	1	56	4.81	1	.05	6	.24	3030	3	.01	26	2760	123	1	4	4	1	.01	1	69.5	1	234
LLS 19+00E	.1	1.50	1	191	1.4	8	.54	.1	12	7	26	3.25	1	.04	11	.31	1445	1	.01	17	1650	41	1	2	24	1	.01	1	59.4	1	101
LLS 19+50E	.1	.93	1	376	1.8	11	.99	.1	20	7	36	4.42	1	.07	4	.26	2083	2	.02	26	1730	172	1	3	55	1	.01	1	60.2	1	472
LLS 20+00E	.1	.88	1	246	1.6	8	1.02	.1	13	7	28	3.40	1	.07	4	.24	1450	1	.02	20	1990	154	1	2	91	1	.01	1	61.7	1	574
LLS 20+50E	.7	1.30	1	211	1.4	8	.64	.1	11	15	28	3.17	1	.03	9	.33	372	2	.01	17	1380	51	1	2	17	1	.01	1	57.7	1	227
LLS 21+00E	1.6	2.77	1	98	1.7	10	.09	.1	10	10	28	4.25	1	.03	10	.14	420	2	.01	16	1740	69	2	4	1	1	.01	1	60.5	1	234
LLS 21+50E	.5	2.22	1	90	1.2	8	.13	.1	6	4	14	3.58	1	.03	8	.05	244	1	.01	11	5350	58	1	3	4	1	.01	1	36.8	1	121
LLS 0+50W	.1	1.07	1	255	1.6	8	1.18	.1	16	10	32	3.26	1	.06	6	.46	1638	3	.02	19	1890	47	1	2	131	1	.02	1	71.5	1	96
LLS 1+00W	.1	1.00	1	323	1.5	8	1.01	.1	16	9	33	3.17	1	.06	4	.38	1964	2	.02	25	1570	59	1	1	86	1	.01	1	58.6	1	115
LLS 1+50W	.1	1.14	1	329	1.5	8	.83	.1	16	6	35	3.31	1	.05	5	.34	2074	2	.01	21	1540	60	1	2	44	1	.01	1	59.4	1	116
LLS 2+00W	.1	2.03	1	154	1.6	11	.35	.1	15	11	34	3.73	1	.05	7	.27	1265	1	.01	20	1950	80	1	3	1	1	.01	1	62.8	1	148
LLS 2+50W	.1	1.07	1	253	1.4	11	.84	.1	14	8	30	3.47	1	.06	5	.37	1712	2	.02	19	1850	55	1	2	57	1	.03	1	75.3	1	104
LLS 3+00W	.1	1.27	1	219	1.7	9	.81	.1	14	5	45	3.38	1	.07	6	.36	1731	1	.01	20	2000	75	1	2	36	1	.01	1	59.5	1	120
LLS 3+50W	.1	1.40	1	190	1.7	10	.86	.1	15	14	36	3.65	1	.05	5	.53	2044	3	.01	22	1930	66	1	3	38	1	.01	1	71.3	1	125

18 soil

Appendix II

Geophysical IP Pseudosections

and

Location Plan

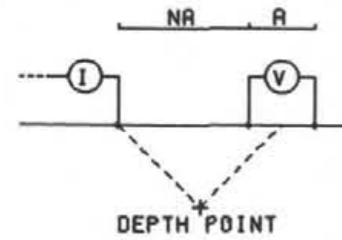
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,359

LINE : 8600 E

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...
"A" SPACING = 50.0 METRES

PSEUDOSECTION

GLOBAL MINERAL & CHEMICAL

LOUISE LAKE, SMITHERS

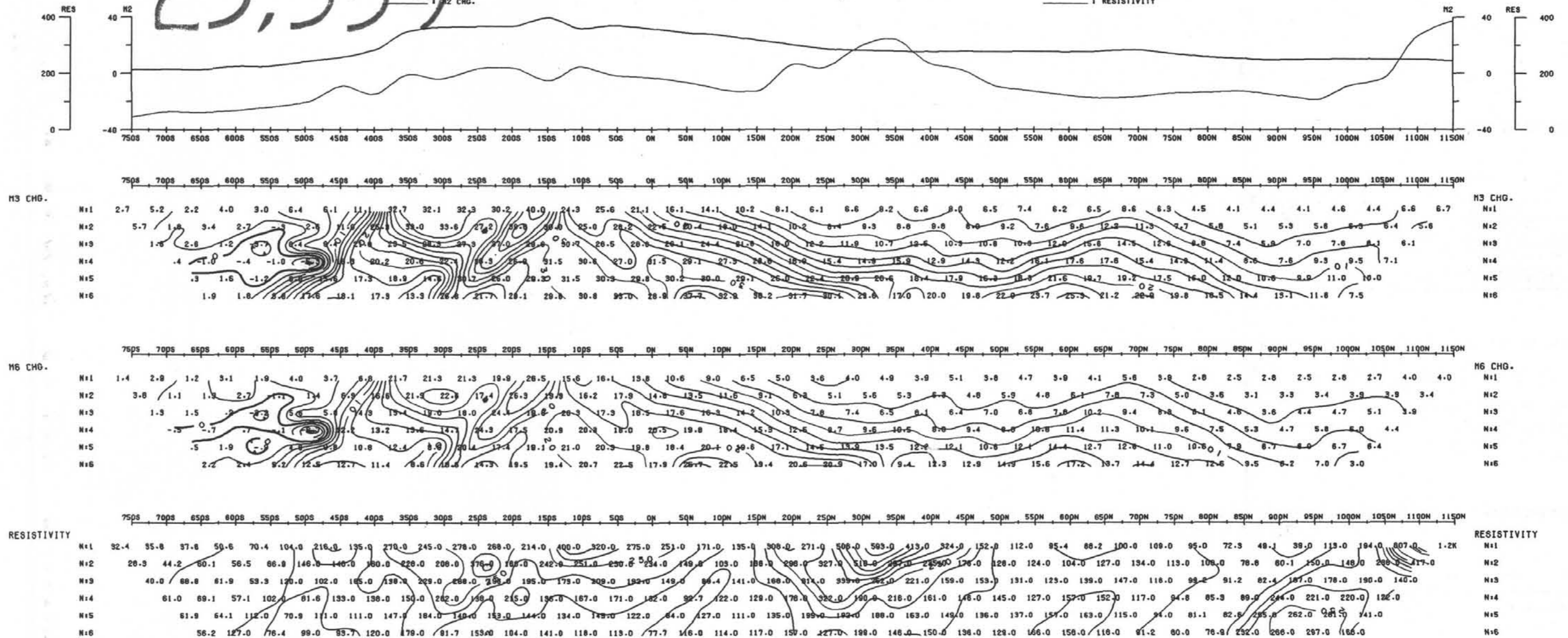
OMINECA M.D., B.C.

DATE : AUGUST 1995

REF : 93L/13

SCALE □ 1 : 5000

SJ GEOPHYSICS LTD.



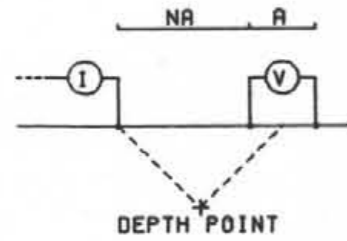
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,359

LINE : 8800 E

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...
"A" SPACING = 50.0 METRES

PSEUDOSECTION

GLOBAL MINERAL & CHEMICAL

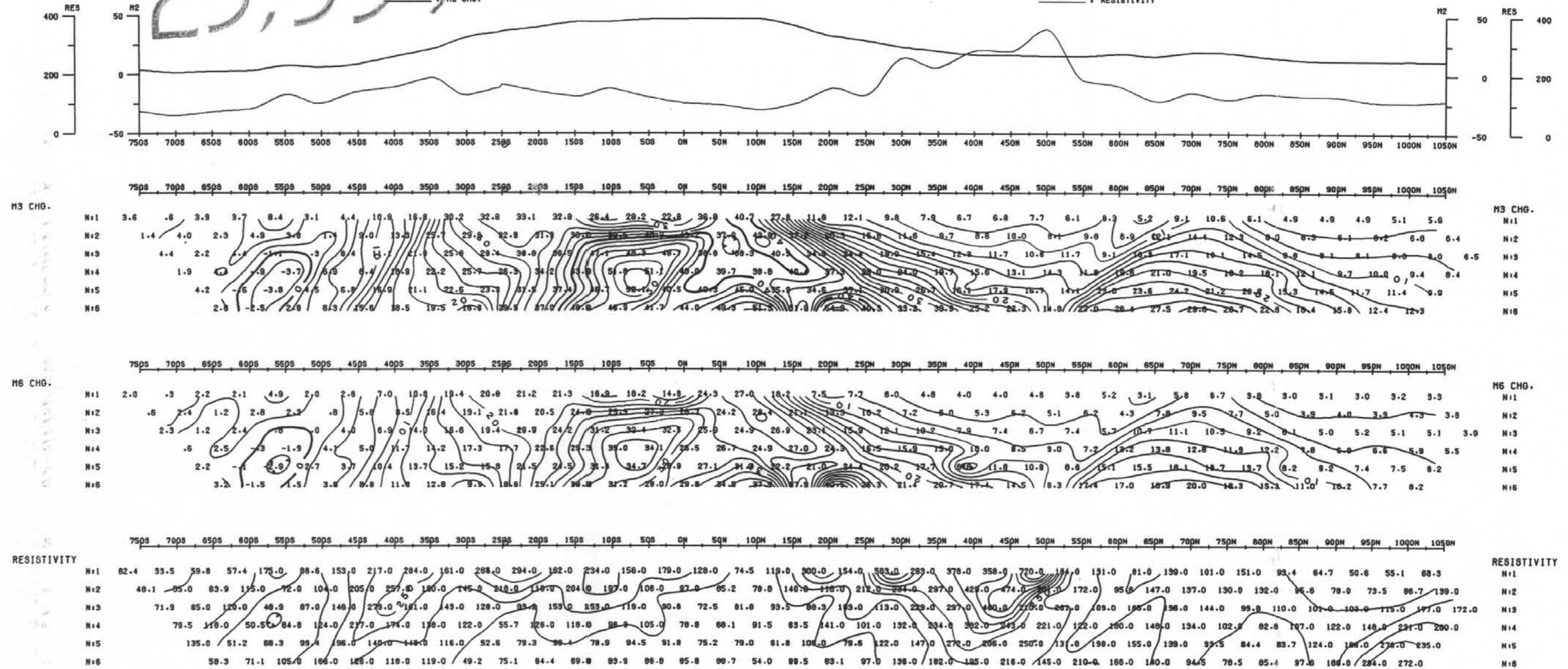
LOUISE LAKE, SMITHERS
OMINECA M.D., B.C.

DATE : AUGUST 1995

REF : 93L/13

SCALE = 1 : 5000

SJ GEOPHYSICS LTD.

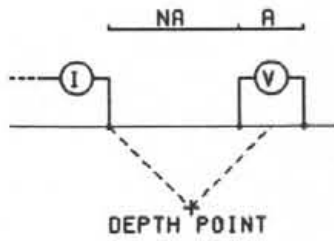


GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

LINE : 9800 E

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...
"A" SPACING = 50.0 METRES

PSEUDOSECTION

GLOBAL MINERAL & CHEMICAL

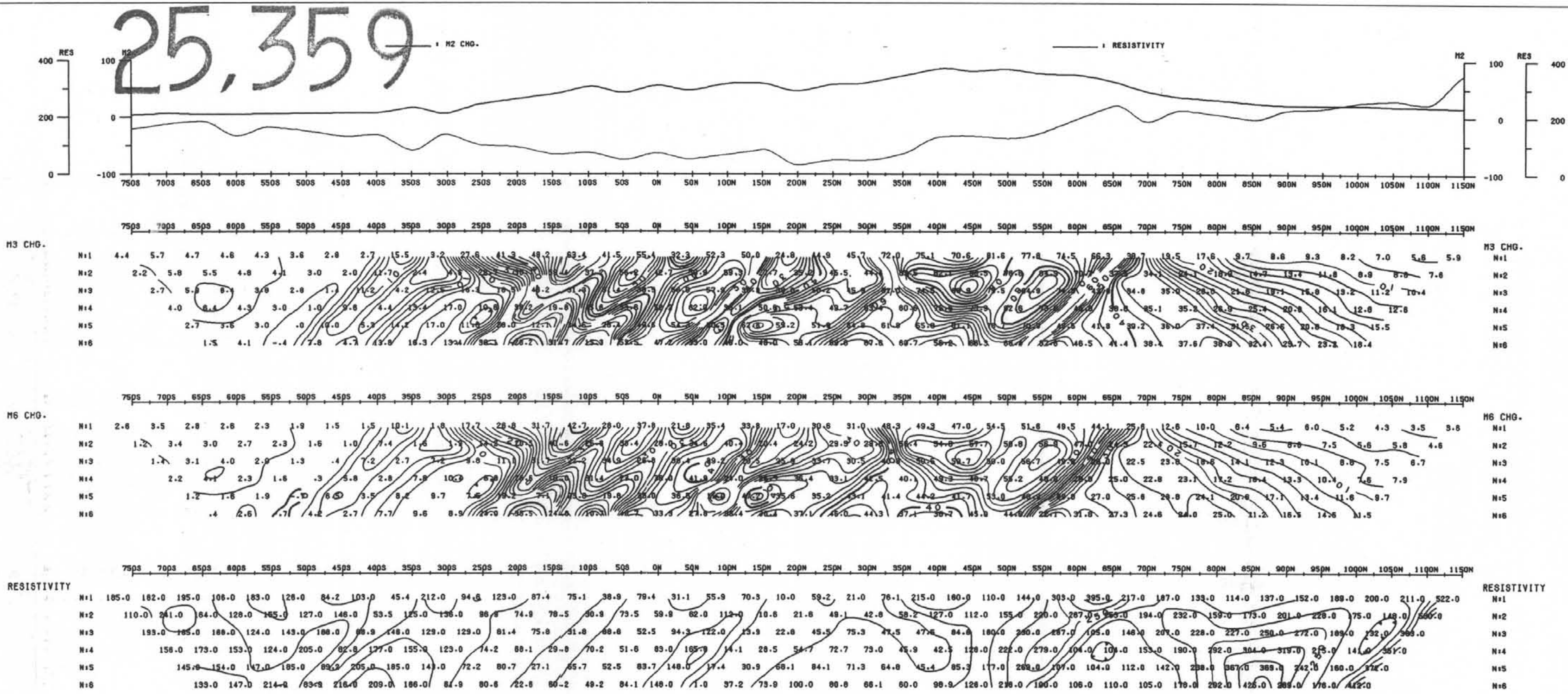
LOUISE LAKE, SMITHERS
OMINECA M.D., B.C.

DATE : AUGUST 1995

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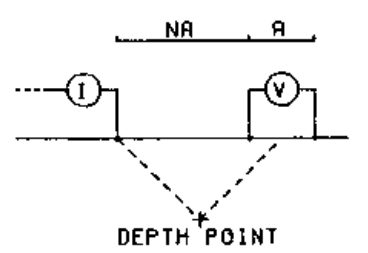
SJ GEOPHYSICS LTD.



LINE : 12100 E

INDUCED POLARIZATION
 SURVEY

POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...
 "A" SPACING = 50.0 METRES

PSEUDOSECTION

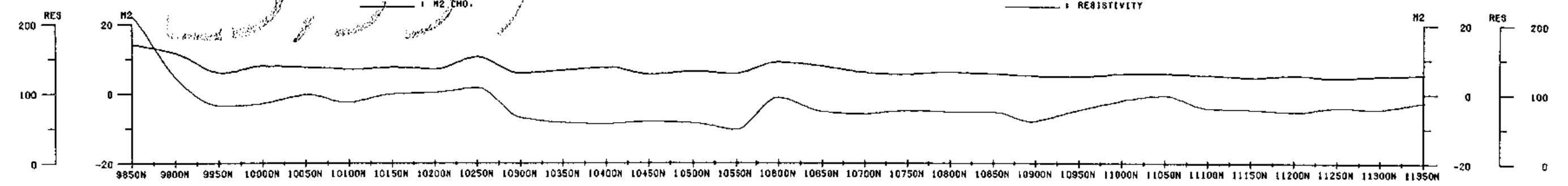
GLOBAL MINERAL & CHEMICAL

LOUISE LAKE, SMITHERS
 OMINECA M.D., B.C.

DATE : AUGUST 1995 REF : 93L/13

SCALE = 1 : 5000

SJ GEOPHYSICS LTD.



M3 CHO.

N+1	13.5	15.9	3.5	6.4	7.4	6.9	7.0	5.2	11.4	3.8	4.8	6.6	4.3	4.8	3.8	4.8	4.6	4.6	4.6	4.5	4.2	2.9	4.4	4.7	4.4	3.7	3.0	3.1	3.8	3.8	4.9
N+2	16.8	8.0	5.1	7.8	4.8	5.3	6.1	12.9	3.3	3.1	7.8	4.8	3.7	3.6	5.7	4.1	5.2	4.0	4.8	4.1	3.4	3.8	4.7	4.3	2.7	3.9	4.0	4.1	3.4	4.1	
N+3	12.7	7.0	7.2	5.4	4.5	4.3	4.9	3.8	3.5	8.1	6.3	4.9	3.1	5.4	4.8	5.4	2.8	4.3	4.4	4.2	5.0	4.7	3.5	4.3	3.8	4.8	4.0	4.2	3.7		
N+4	8.4	9.0	4.6	4.3	4.2	4.2	4.1	3.8	6.3	4.3	5.9	5.1	4.8	5.8	2.8	2.8	8.0	4.1	4.9	5.0	5.0	4.3	4.1	4.6	5.6	4.1	4.5				
N+5	6.5	6.2	5.2	5.4	4.1	2.6	4.6	6.6	5.0	4.0	7.3	3.2	4.3	5.5	8.1	4.1	4.2	4.1	4.2	6.7	3.9	4.5	2.0	4.3	4.2	5.6	4.5				
N+6	4.9	1.8	10.8	4.7	3.1	8.0	3.7	7.1	7.1	4.1	4.7	9.1	4.1	4.7	9.1	4.1	4.7	9.1	4.1	4.7	9.1	4.1	4.7	9.1	4.1	4.7	9.1	4.1	4.7	9.1	4.1

M5 CHO.

N+1	8.2	9.8	1.9	5.7	4.5	4.2	4.1	3.0	7.2	2.0	2.8	4.0	2.5	2.8	1.8	2.8	2.8	2.8	2.8	2.8	2.6	1.7	2.5	2.8	2.7	2.2	1.9	1.7	2.3	2.4	3.0
N+2	10.2	3.2	3.0	4.5	2.8	3.1	3.5	6.1	2.0	1.3	4.7	2.5	2.8	2.0	3.6	2.4	3.4	2.3	2.9	2.6	2.1	2.0	2.8	2.7	1.4	2.5	2.4	2.5	2.5	2.5	
N+3	0.4	3.9	4.4	3.3	2.7	2.4	3.9	2.0	1.9	3.3	3.8	3.0	2.4	3.2	2.8	3.5	1.2	2.1	2.7	2.9	3.3	2.8	2.9	2.7	3.1	2.5	2.6	2.1			
N+4	5.8	5.6	2.8	2.2	2.6	0.1	2.1	1.8	3.8	2.0	3.5	2.9	2.5	2.7	1.2	4.3	6.4	2.4	3.2	2.9	3.2	2.6	2.7	3.3	3.7	1.8	2.8				
N+5	3.2	3.7	3.2	3.0	6.3	1.8	2.3	3.8	2.7	4.7	5.1	8.0	2.0	3.2	5.8	3.2	1.9	4.9	4.1	2.8	2.2	3.2	3.2	3.8	3.0						
N+6	3.1	1.0	6.4	4.4	2.2	5.0	2.9	5.7	4.3	2.0	1.8	6.3	2.0	1.8	6.3	2.0	1.8	6.3	2.0	1.8	6.3	2.0	1.8	6.3	2.0	1.8	6.3	2.0	1.8	6.3	2.0

RESISTIVITY

N+1	394.0	220.0	84.2	84.0	138.0	99.1	116.0	120.0	122.0	52.8	51.5	35.9	40.6	31.5	23.4	82.0	54.8	81.3	99.8	85.0	88.2	45.7	100.0	113.0	128.0	87.0	89.3	64.2	88.8	79.4	117.0
N+2	199.0	90.5	85.0	82.4	87.8	95.0	156.0	189.0	58.5	47.7	45.2	50.8	40.8	14.5	81.1	98.5	55.8	88.4	79.5	75.6	54.5	60.4	78.4	129.0	75.2	88.6	86.7	79.1	71.4	90.5	
N+3	89.7	90.9	91.8	57.0	71.1	123.0	205.0	71.9	50.9	39.8	81.3	51.8	14.3	68.7	77.8	88.3	52.8	54.7	83.5	58.2	87.8	71.1	91.7	87.6	79.2	98.0	95.1	85.5	79.0		
N+4	89.9	99.0	81.2	84.7	96.3	165.0	81.8	58.7	40.5	54.9	82.8	101.0	85.3	81.5	75.7	46.7	59.0	57.4	72.0	82.3	89.9	59.5	74.8	85.7	99.3	77.7	71.4				
N+5	99.3	65.5	86.9	91.6	136.0	86.4	64.9	44.9	85.2	59.1	20.6	112.0	94.3	88.5	76.3	62.0	36.3	71.1	89.8	102.0	53.5	66.9	83.2	91.7	78.2	81.4					
N+6	89.7	92.7	129.0	57.0	54.1	47.4	59.3	59.4	120.0	106.0	87.8	80.5	62.3	7.5	114.0	70.0	90.1	107.0	58.9	70.3	78.8	91.5	72.7	80.0							

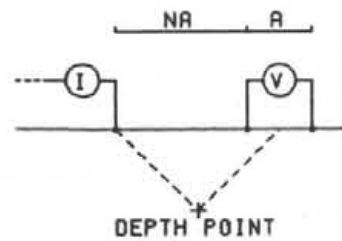
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,359

LINE : 12300 E

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...
"A" SPACING = 50.0 METRES

PSEUDOSECTION

GLOBAL MINERAL & CHEMICAL

LOUISE LAKE, SMITHERS

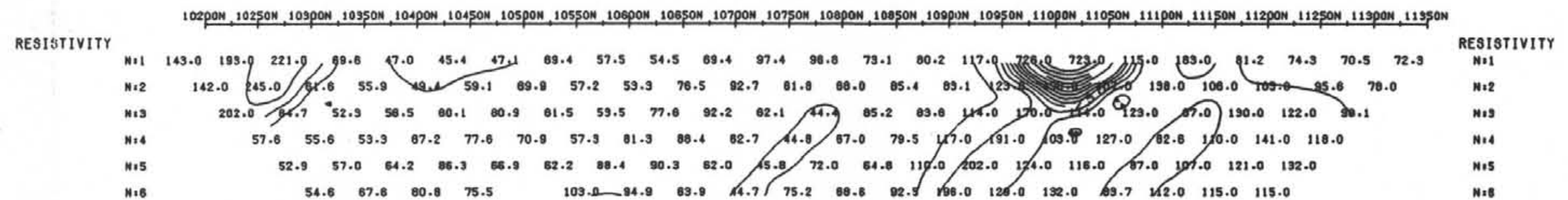
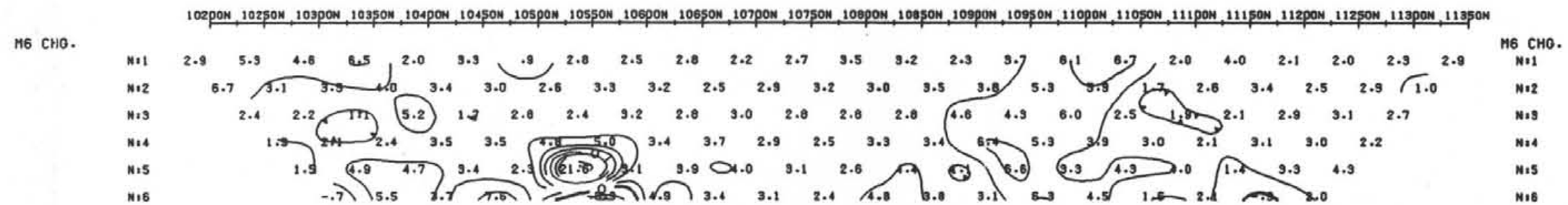
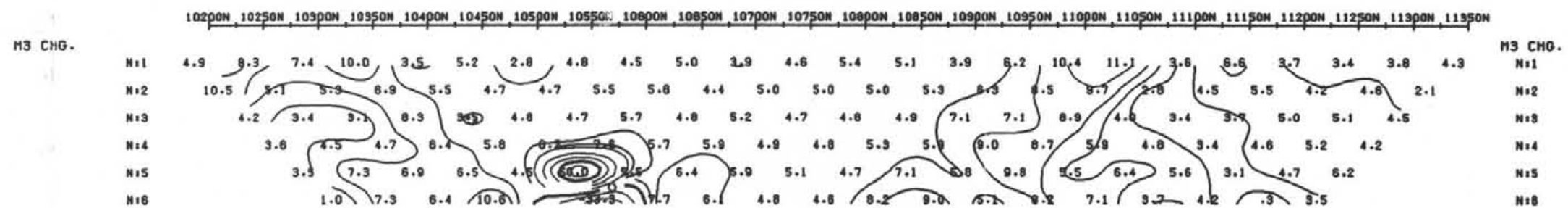
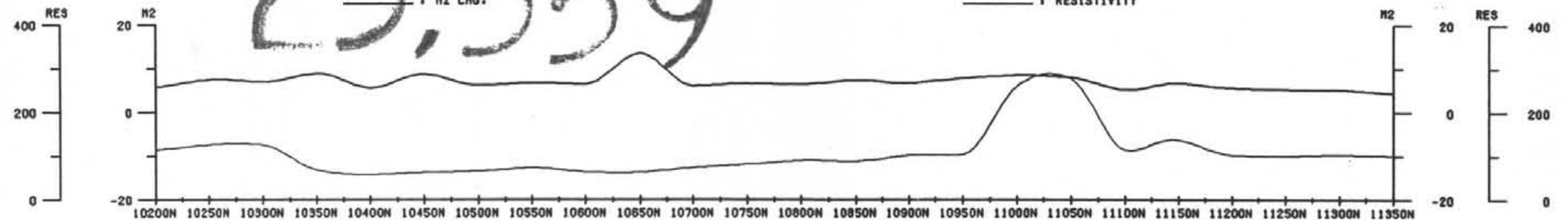
OMINECA M.D., B.C

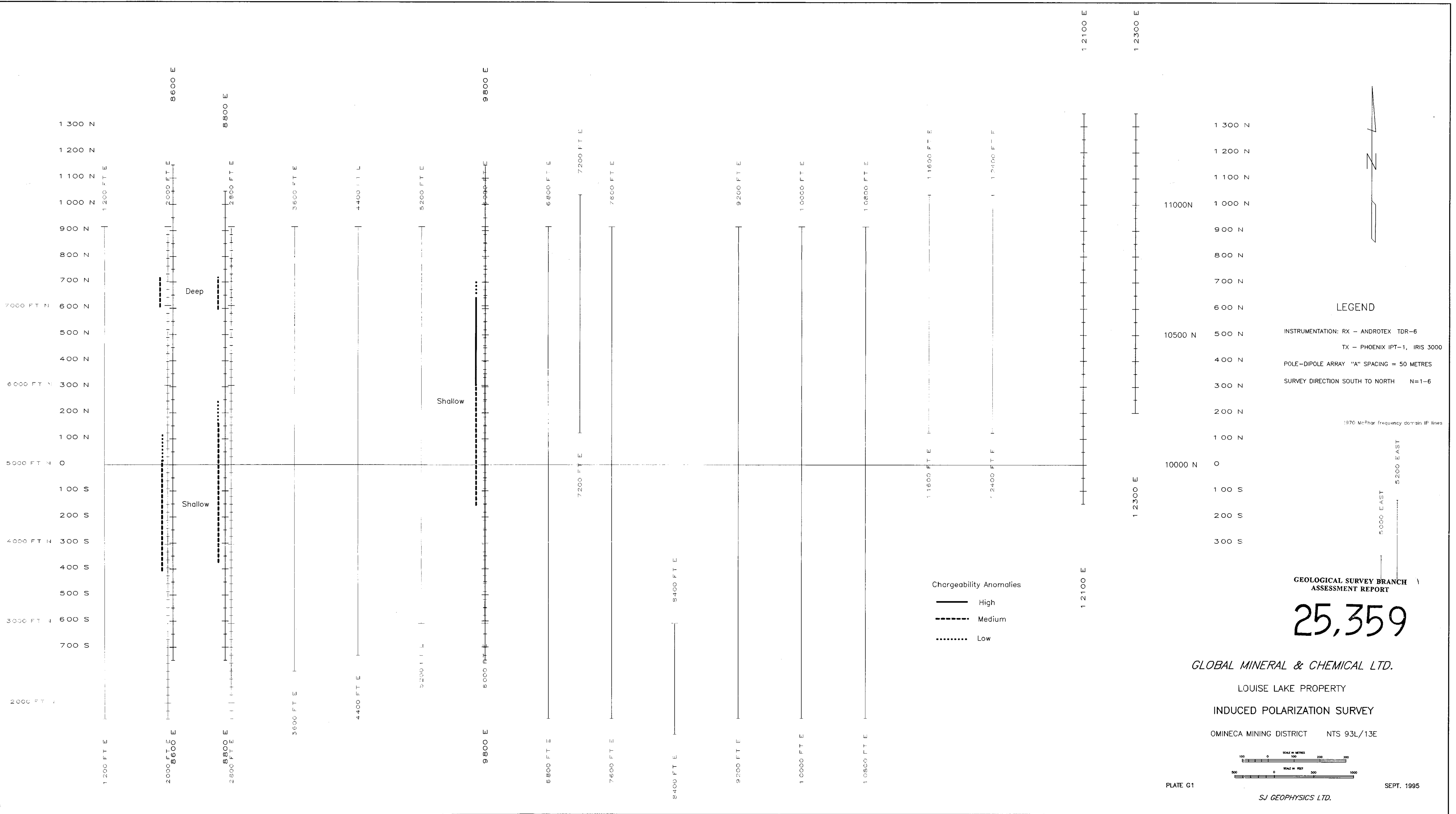
DATE : AUGUST 1995

REF : 93L/13

SCALE = 1 : 5000

SJ GEOPHYSICS LTD.





LEGEND

INSTRUMENTATION: RX - ANDROTEX TDR-6
 TX - PHOENIX IPT-1, IRIS 3000
 POLE-DIPOLE ARRAY "A" SPACING = 50 METRES
 SURVEY DIRECTION SOUTH TO NORTH N=1-6

GEOLOGICAL SURVEY BRANCH
 ASSESSMENT REPORT

25,359

GLOBAL MINERAL & CHEMICAL LTD.

LOUISE LAKE PROPERTY

INDUCED POLARIZATION SURVEY

OMINECA MINING DISTRICT NTS 93L/13E

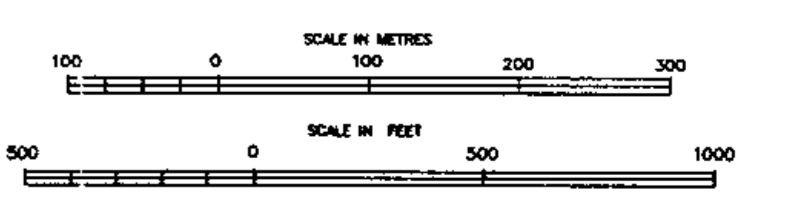


PLATE G1

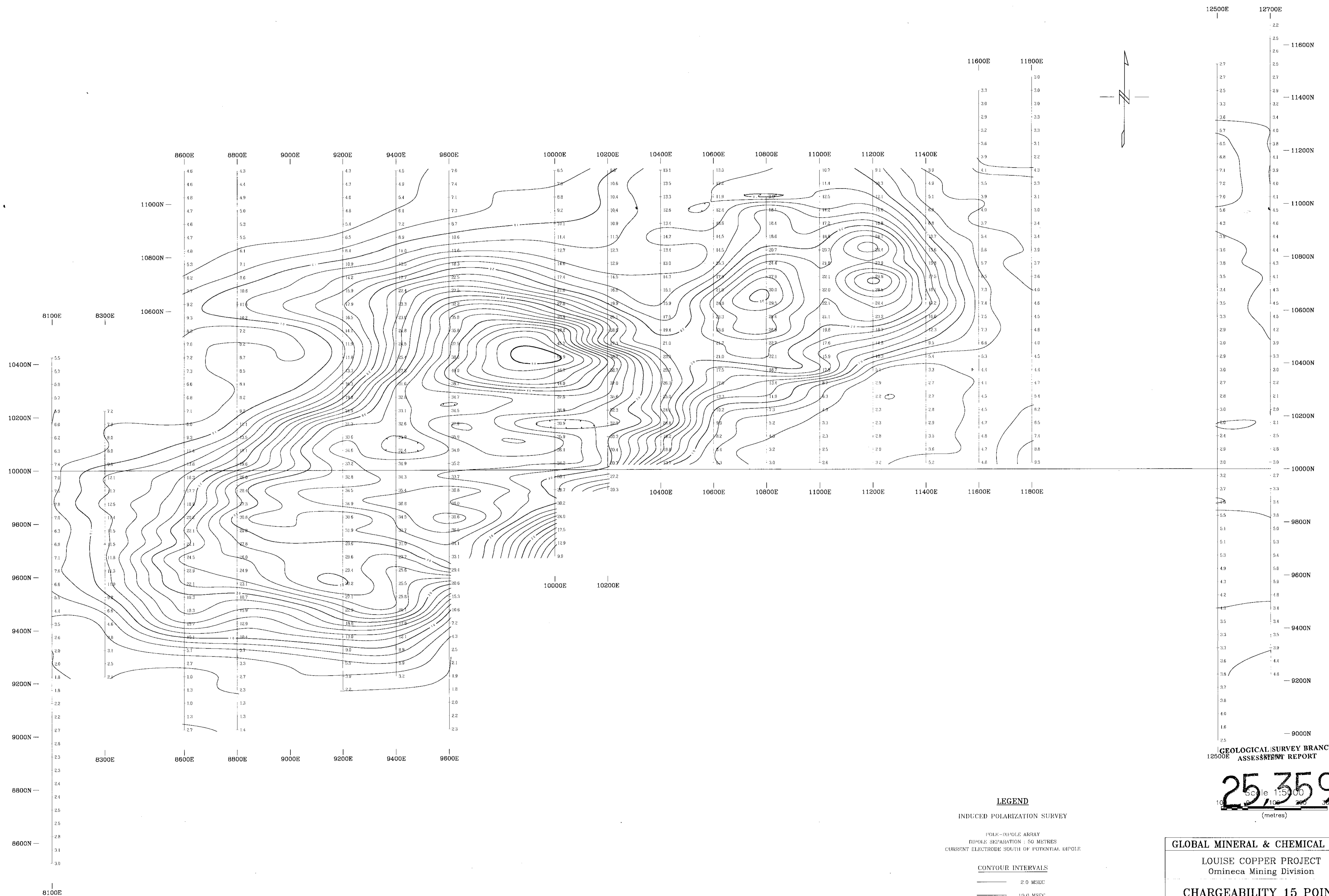
SJ GEOPHYSICS LTD.

SEPT. 1995

Appendix III

1996 IP Survey Contour Plan Maps

- i. Chargeability**
- ii. Resistivity**



LEGEND
 INDUCED POLARIZATION SURVEY

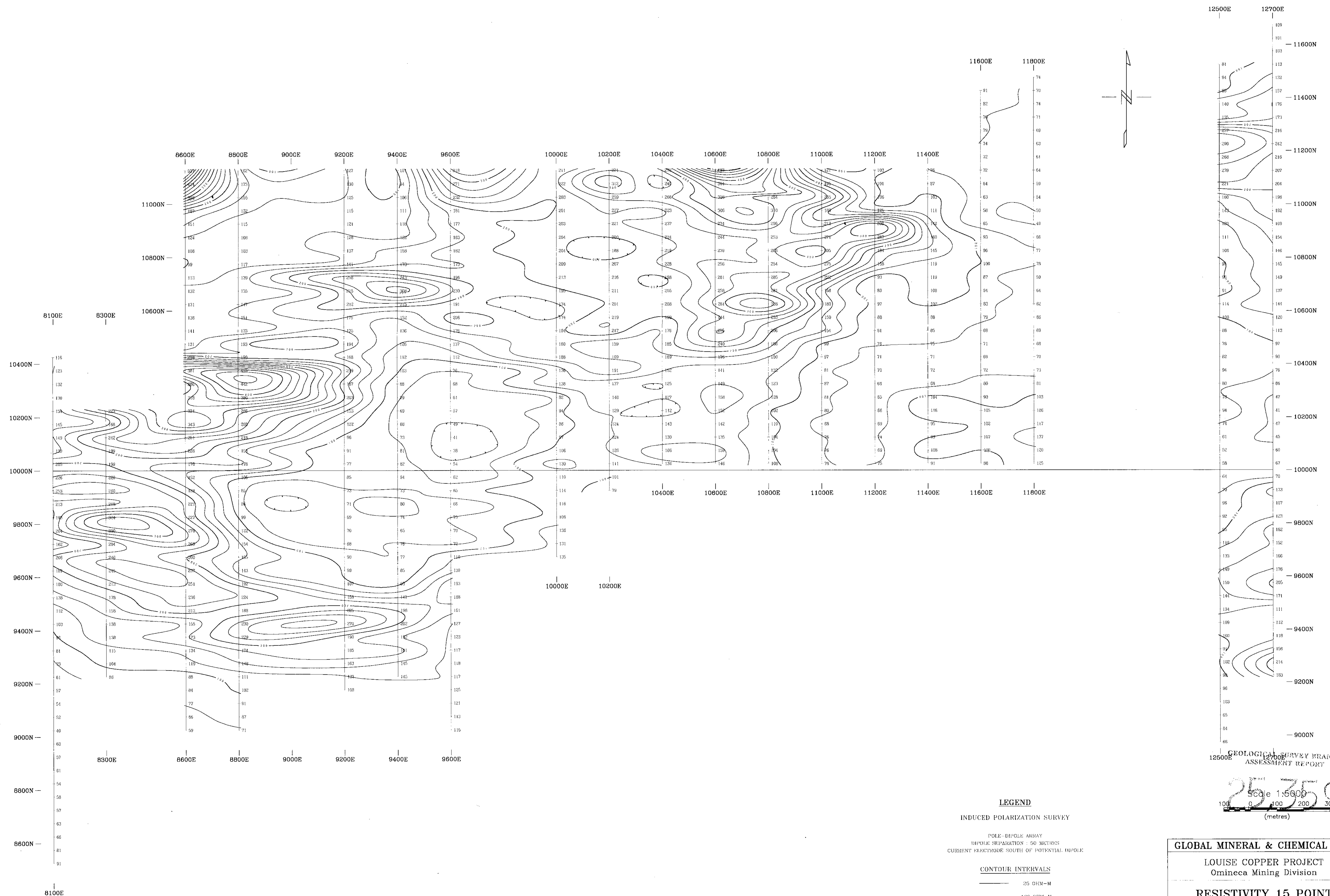
POLE-DIPOLE ARRAY
 DIPOLE SEPARATION : 50 METRES
 CURRENT ELECTRODE SOUTH OF POTENTIAL DIPOLE

CONTOUR INTERVALS
 ——— 2.0 MSEC
 ——— 10.0 MSEC
 ——— 50.0 MSEC

GEOLOGICAL SURVEY BRANCH
 ASSESSMENT REPORT

25,359
 Scale 1:5000
 (metres)

GLOBAL MINERAL & CHEMICAL LTD.
 LOUISE COPPER PROJECT
 Omineca Mining Division
**CHARGEABILITY 15 POINT
 TRIANGULAR FILTER**
 Scale 1:5000 Drawing: 96380-1
LLOYD GEOPHYSICS INC.



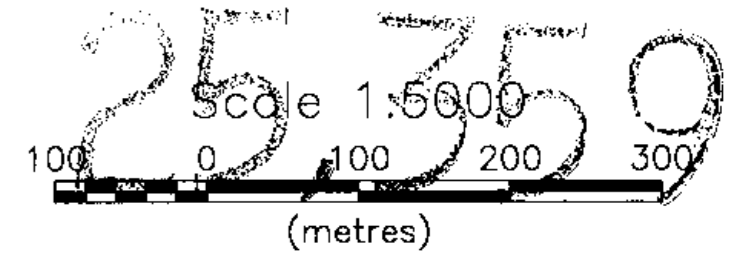
LEGEND
 INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY
 DIPOLE SEPARATION - 50 METRES
 CURRENT ELECTRODE SOUTH OF POTENTIAL DIPOLE

CONTOUR INTERVALS

- 25 OHM-M
- 100 OHM-M
- 500 OHM-M

GEOLOGICAL SURVEY BRANCH
 ASSESSMENT REPORT



GLOBAL MINERAL & CHEMICAL LTD.
 LOUISE COPPER PROJECT
 Omineca Mining Division
**RESISTIVITY 15 POINT
 TRIANGULAR FILTER**
 Scale 1:5000 Drawing: 96380-2
LLOYD GEOPHYSICS INC.