COMINCO LTD.

EXPLORATION
NTS 93 K/11,12

ASSESSMENT REPORT
GEOLOGY, GEOCHEMISTRY AND GEOPHYSICS

OWL PROPERTY

FORT ST. JAMES AREA, B.C.

OMINECA MINING DIVISION

Lat. 54°35'N
Long.125°30'W

OCTOBER 17, 1992

IAN NEILL

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT
NTS 93 K/11,12

ASSESSMENT REPORT
GEOLOGY, GEOCHEMISTRY AND GEOPHYSICS

OWL CLAIMS

1.0 SUMMARY

The Owl claims lie in a belt of Upper Triassic volcanic and volcaniclastic rocks with little exploration history. Copper mineralization is present in augite-plagioclase porphyry flow rocks and in massive andesitic and dacitic rocks. A previously identified Cu soil anomaly is possibly explained by a combination of concentration of metals in organic rich soils and down-slope transport of weak copper mineralization. The main Owl showing contains chalcopyrite, bornite, pyrite, magnetite, secondary K-spar and sericite hosted in fragmental volcanics. Poor soil geochemistry response in this area is possibly due to glacial till cover. I.P. and magnetics surveys detected a small anomaly (500m x 200m) which may be explained by fine-grained magnetite seen in outcrop.

2.0 LOCATION, PHYSIOGRAPHY AND ACCESS

The Owl property is located in central British Columbia (plate 1.) at the western end of Cunningham Lake, 80 km west of Fort St. James. Relief is generally low with a northwest - southeast trending ridge bisecting the property. Vegetation consists of spruce, fir, alder and thick undergrowth of devils club. A clear-cut approximately 2 km^2 in area is located in the northern portion of the property.

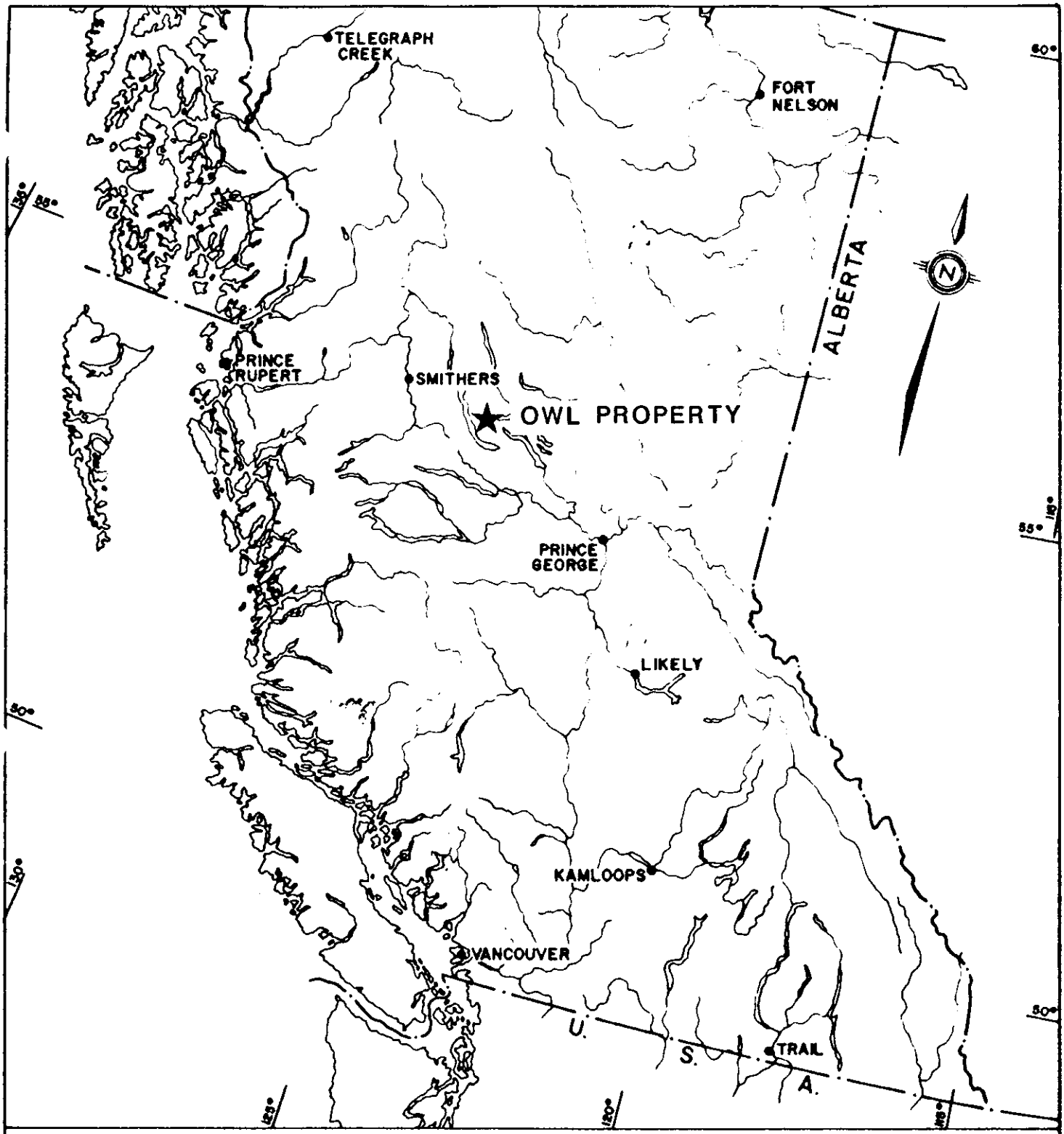
The northern part of the claim block is accessible from Fort St. James via 100 km of gravel logging road. Butterfield lake facilitates float plane access to the southern portion of the claim block. Both float planes and helicopters are based in Fort St. James. Helicopters are also available in Burns Lake.

Outcrop at lower elevations is poor due to glacial till cover, with better exposure occurring in roadcuts and in the clear-cut area.

3.0 PROPERTY

The Owl property consists of 66 units on eleven claims (plate 2.) as detailed below. The claims are under option to Cominco, with one years option completed. Upon completion of the five year option deal the claims will be 100% owned by Cominco.

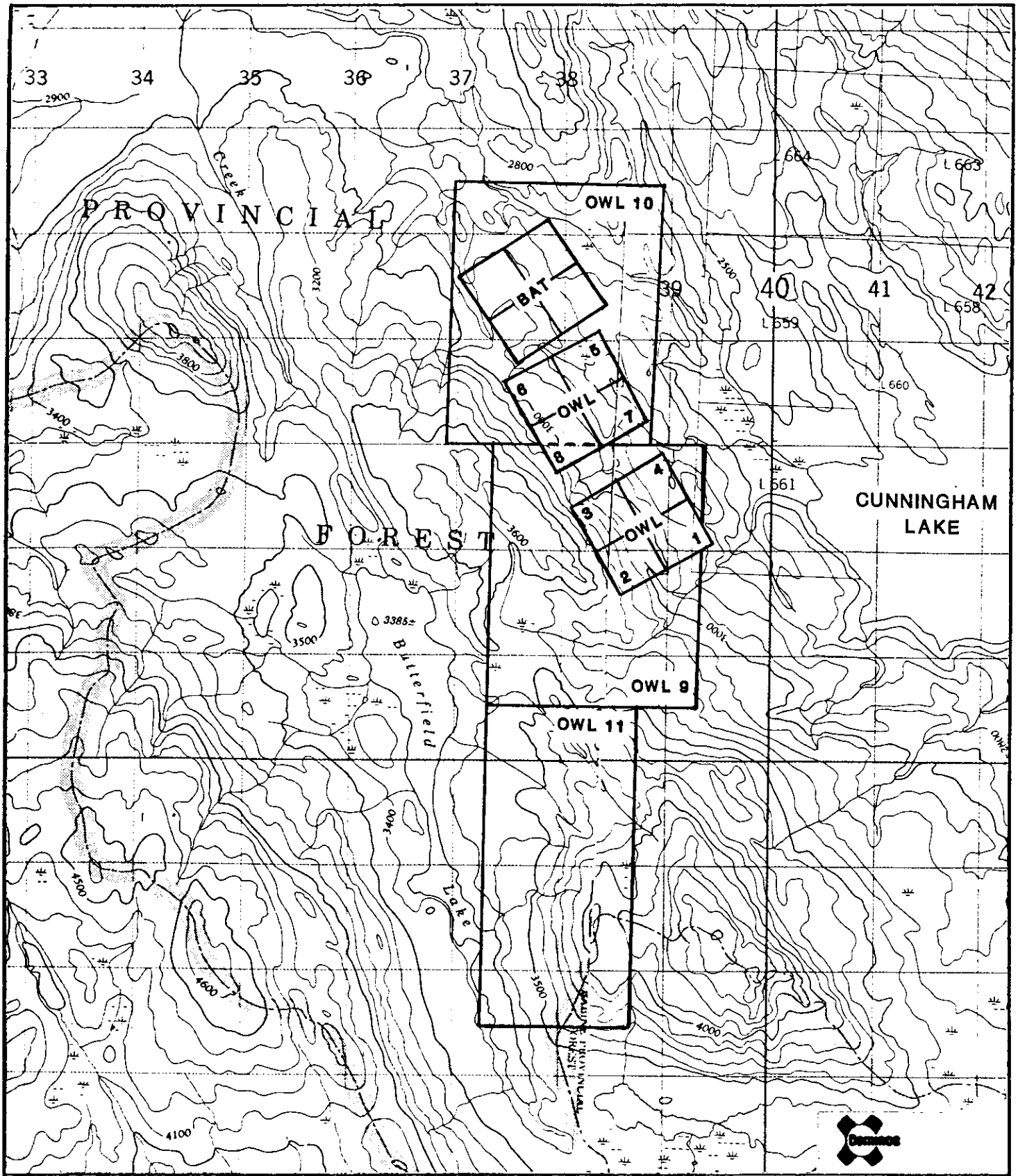
Claims	Record No.	Units	Date Recorded
Owl 1	241067	1	Aug 04/89
Owl 2	241068	1	Aug 04/89
Owl 3	241069	1	Aug 04/89
Owl 4	241070	1	Aug 04/89
Owl 5	241071	1	Aug 04/89
Owl 6	241072	1	Aug 04/89
Owl 7	241073	1	Aug 04/89
Owl 8	241074	1	Aug 04/89
Owl 9	241949	20	May 05/90
Owl 10	241950	20	May 05/90
Owl 11	242558	18	Aug 13/90



Drawn by:		Traced by: e. m. b.	
Revised by	Date	Revised by	Date

LOCATION MAP

Scale: 1 : 6,370,000 | Date: OCT. 1992 | Plate: 1



Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

CLAIM MAP

Scale:	Date:	Plate:
1:50,000	OCT. 92	2

NCI - 112A - CL

210-0610

4.0 PREVIOUS WORK

The Owl claims lie in a package of volcanic and sedimentary rocks that have seen little exploration attention. A summary of exploration work in the region is as follows:

1969 BL claims staked over large magnetic anomaly (ultramafic complex) west of Butterfield Lake. Geophysical and geochemical surveys located moderate EM anomalies with coincident copper values.

1983 SMJ claims staked on south end of Butterfield Lake. Geochemical survey locates copper anomaly east of lake but work was not followed up.

1987 Butter claims staked on ground previously covered by SMJ and BL claims. Soil and EM anomalies confirmed.

1990 Owl claims staked to cover copper anomaly east of Butterfield Lake and copper mineralization exposed by extension of forest service road to the north. Prospecting along the road locates disseminated chalcopyrite in dacitic and andesitic volcanics, and massive sulphide in float.

1991 Cunningham Lake Reconnaissance program carried out by Cominco and Owl claims optioned.

5.0 SUMMARY OF WORK 1992

The 1992 program consisted of geophysical surveys (I.P. and magnetometer), geochemical sampling, geological mapping and prospecting. The work was carried out in two parts, the first being conducted from Butterfield Lake and the second from the Cunningham forest road.

Geophysical and geochemical surveys of the first phase were conducted on a 2km x1.5km grid over the previously defined Cu soil anomaly immediately east of Butterfield Lake. The geophysical survey totalled 9.3 line km. A total of 162 grid soil samples at 50m spacings and 31 contour soil samples were taken. Fifteen rock samples were also taken for geochemical analysis. The work was carried out from July 20th to July 6th, 1992.

The second phase of work consisted of three lines of geophysical survey totalling 5.5 line km to the northeast of Butterfield Lake. Two of the lines were also geochemically sampled at 100m spacings, for a total of 37 samples. The work was carried out over the period October 10th to October 14th, 1992.

6.0 GEOLOGY

The geology of the area is dominated by a belt of southeasterly striking, moderately to steeply southwesterly dipping sedimentary and volcanic rocks. The region was first mapped by Armstrong (1949) as belonging to the Cache Creek Group, however, they are atypical of Cache Creek rocks due to the absence of bedded chert and limestone units and lithologically may correlate best with the Late Triassic to Early Jurassic Takla Group.

Underlying the eastern portion of the property are massive greywackes and fissile argillites, all slightly metamorphosed. These rocks are overlain to the west by a sequence

of andesitic and dacitic fragmental volcanics which are themselves overlain by intermediate augite porphyry and augite-plagioclase porphyritic volcanics(plate 3). The volcanic units are variably foliated, are weakly to strongly magnetic and have been locally epidotized and pyritized.

Medium grained, weakly pyritic, equigranular leucocratic monzonite is poorly exposed on the ridge east of Butterfield Lake.

To the west of Butterfield Lake an ultramafic complex is well defined by a prominent magnetic high. It is composed of serpentinized peridotite and pyroxenite, and a sheared mafic tuff containing minor copper mineralization (INO-92-1,2,3).

7.0 MINERALIZATION

Disseminated pyrite with traces of chalcopyrite and malachite occur sporadically throughout the porphyritic volcanic units. Copper values from this rock type vary from 200 to 500 ppm. Samples of the fragmental and massive volcanics also contain disseminated pyrite and pyrite concentrated along fractures, but these generally returned lower values. One sample of epidotised augite-plagioclase porphyry returned 60 ppb Au. Rock sample lithologies, mineralization and results are tabulated in appendix B.

At the northern Owl showing, disseminated and fracture controlled copper mineralization occurs in tuffaceous andesites. Chalcopyrite, bornite, pyrite and magnetite mineralized samples of these rocks give grades up to 0.69% Cu. The tuffaceous andesites also contain secondary K-feldspar and sericite. A second occurrence, 600m north of the main showing, with chalcopyrite, bornite and secondary K-feldspar returned lower values in grab samples. Quartz-carbonate veins in the region of the main showing with trace chalcopyrite and colloform manganese returned 0.46% Cu and 0.063% Au.

8.0 GEOCHEMISTRY

A total of 230 grid and contour soil samples were taken on the property. Where possible they were taken from "B" horizon. All samples were placed in paper envelopes, air-dried, and submitted to Cominco Exploration Research Laboratory in Vancouver for Cu, Pb, Zn, Ag and Au analysis by AAS. In addition, fifteen rock samples were submitted for the same analysis. Sample locations and results are shown on plate 4. Analytical results are tabulated in appendix B. Threshold values established in 1991 by the Cunningham Lake recce program were used for anomaly definition and are as follows: Cu - 60ppm, Pb - 10ppm, Zn - 100ppm.

Geochemical sampling verifies the presence of a copper-in-soil anomaly east of Butterfield Lake. Anomalous samples taken this year correlate well with the previously identified anomaly. This limits the extent of the anomaly to immediately east of Butterfield Lake at the base of slope. The anomaly is apparently caused by downslope transport of the weak copper mineralization along the ridge. The higher values along the lake-shore are attributed to concentration of metals in organic rich soils, and may reflect the difficulty in obtaining "B" horizon material in swampy areas at the lower elevations.

Copper-in-soil is also slightly anomalous near the small outcrops of leucocratic monzonite at the eastern end of line 500N. Relatively abundant outcrop of volcanics in this area shows little evidence of copper mineralization.

A soil geochemistry grid was also constructed over the northern copper showing in an attempt to determine the extent of mineralization. The survey was hampered by glacial till cover and Cu analyses were generally low. Concentration of copper in organic soils was evident again, with soils taken from "A" horizon returning elevated values.

9.0 GEOPHYSICS

I.P. and magnetometer surveys were carried out by Scott Geophysics of Vancouver, B.C.. The southern survey grid was located so as to cover the previously defined soil anomaly and the weak upslope, in-situ copper mineralization along the ridge. Encouraging I.P. responses in the northeastern part of the survey area led to 3 additional recce I.P. lines being run further to the northeast. These additional lines failed to detect any additional anomalies. Geophysical reports are presented in appendix A.

10.0 CONCLUSIONS AND RECOMMENDATIONS

The styles of mineralization and alteration observed in outcrop on the Owl property show affinities to porphyry type mineralization. The geological setting of the mineralization is also favorable for a porphyry system. Wide spread grid and recce type I.P. surveys failed, however, to define an anomaly of sufficient size to indicate the presence of a significant porphyry related alteration system close to surface. Soil geochemistry confirmed the previously defined Cu anomaly at the south end of the property, but failed to identify anomalous Cu associated with the small coincident I.P./Mag. response noted in the central portion of the surveyed area. Outcrop in the area of the I.P. anomaly was devoid of alteration or mineralization suggesting proximity to a porphyry system. Likewise I.P. and geochemistry over the main owl showing were unsuccessful in delineating any anomalies wich would suggest mineralization beyond that exposed in the main showing. Further work is not recommended.

REPORT BY: Ian Neill

Ian Neill
Geologist

APPROVED BY: N.J. Callan

Nick Callan
Supervising Geologist

APPROVED FOR RELEASE BY: W.J. Wolfe

W.J. Wolfe
Manager, Exploration
Western District

APPENDIX A

GEOPHYSICAL REPORTS

COMINCO LTD.

EXPLORATION WESTERN CANADA

24 July 1992 FILE: 811-45c

FILE NOTE

SUBJECT: OWL Property
Fort St. James Area

Five lines, some 500 m apart, were covered with a recce I.P./Res. and magnetometer survey during July 1-6, 1992 (9.3 line kms). A pole-dipole array with spacing a=75 m and separations n=1-4 was used. The Scintrex IPC7-2.5 kW transmitter/IPR-12 receiver combination was used in the 2 sec. ON/OFF mode with the readings registered between 690 and 1050 msec. after current cut-off. Scintrex MP-4 base and line magnetometers were used with station interval of 25 m.

Background chargeabilities are in the 2-4 mV/V range. Relatively sharp, well defined, sometimes multiple-zoned anomalies occur in the eastern part of the grid and also near the west end of Line 0N (possibly 500N also). The former anomalies are open to Grid North and South, and possibly East, and the western one to the West, North and South. Their character changes somewhat from line to line, but sources come close to surface on Line 2000N: 950-1050E and 2250 to 1400E (there's also a not fully developed feature near 1600E). The anomalies are weaker on 1500N (1150-1200E) and 1000N (1425E), but again slightly stronger on 500N (1575E). The "zone" is deeper along Line 0N. The anomalies are of the single pantleg type which makes them more difficult to pinpoint. The zone near the west end of Line 0N shows a steadily increasing amplitude. This may have a different type of source than the main chargeability zone.

Resistivities vary along the lines but do not show much difference between areas of background or anomalous chargeabilities. The pattern near the east end of Line 0N suggests, however, that there is a thicker cover (= lower res. values) supporting the deeper I.P. source. This is supported by topography.

The magnetic profiles show more relief and higher amplitudes over the chargeable zones with strongest response near the west end of Line 0N. This combination (I.P. & Mag.) suggests that the source of the I.P. is most likely pyrrhotite or magnetite rather than graphite.

Correlation with the geology/geochem suggests that the western anomaly is caused by a serpentinized UM mapped on the west side of Butterfield Lake. The source is most likely fine-grained magnetite but minor sulphides cannot be excluded.

The eastern anomaly may be caused by sulphides (+ magnetite) in an augite porphyry mapped near 800-1100E along 1000N and again beyond 1700E. This rock gives up to 500 ppm Cu. The first location, however, has low I.P., the second one falls outside the grid. This is not a deterrent. No outcrops were seen near the strongest I.P. (Line 2000N). (A minor monzonite plug is seen beyond the east end of Line 1500N.) Soils show several hundred ppm Cu in the valley, but not over the I.P. high. (This may be caused by special Eh-pH conditions.) Considering the openness of the I.P. anomaly, it is recommended to extend the grid to North and East after staking extra claims, and continue the I.P./Res./Mag. survey.

JK/jel

c.c. N.J. Callan

COMINCO LTD.

EXPLORATION WESTERN CANADA

22 October 1992 FILE: 811-45c

FILE NOTE

SUBJECT: OWL PROPERTY

Three additional lines, 2500N, 3500N and one labelled 400N (= approx. 5000N) were covered with recce I.P./Res. and magnetics during the period Oct. 11-15/92. The electrode spacing was increased from 75 to 100 m. A total of 5.5 km of I.P./Res. and magnetics each was collected (see File Note, July 24/92).

The eastern anomaly appears to continue to Line 2500N where it is approx. 200 m wide. It is at or comes close to surface between 1700 and 1800W, and correlates with a weak drop in resistivity (to 600 ohmm). It is flanked by a complex magnetic high (3,000 nT relief) on the east side. It should be noted that Line 2000N terminates directly east of the anomaly and Line 2500N directly to its west. This does not permit a full assessment of the anomaly. However, it can be safely said that the magnetite seen in outcrop is the most likely source of the chargeability high.

Line 3500N shows only weakly, varying chargeabilities: 4-7 mV/V, and resistivities are moderately high throughout.

Line 400N, centered over a mineralized outcrop did not show any appreciable chargeability in that vicinity. A weak high, up to 15 mV/V is seen at 400E. Resistivities are in the 600-1,500 ohmm range.

No new anomalies of merit were detected.

JK/jel

c.c. N.J. Callan

APPENDIX B

GEOCHEMICAL ANALYSES

ROCK SAMPLE DESCRIPTIONS AND RESULTS

Sample	Host Lithology	Mineralization	Cu	Pb	Zn	Ag	Au
INO-92-1	pxn./hbl. porphyry	1% disseminated pyrite	49	<4	18	.9	<10
INO-92-2	pxn./hbl. porphyry	.5% py., trace cpy., minor mal.	289	<4	9	.5	<10
INO-92-3	foliated mafic schist, carb. vugs	1% disseminated cpy., py., minor mal.	203	<4	32	<.4	<10
INO-92-4	porphyritic pxn./plag. mafic volc.	trace of dissem. cpy, .5% py., minor mal.	482	<4	32	<.4	<10
INO-92-5	plag./pxn. porphyry	1% disseminated pyrite	479	<4	68	<.4	<10
INO-92-6	plag./pxn. porphyry	1% pyrite, trace chalcopyrite	270	<4	72	<.4	<10
INO-92-7	fine grained int. volcanic	trace pyrite	253	<4	90	<.4	<10
INO-92-8	leucocratic hbl. monzonite	trace pyrite	4	<4	16	<.4	<10
INO-92-9	pxn./plag. porphyry, epidotized	1% pyrite blebs to 2 mm	101	<4	49	<.4	60
INO-92-10	pxn./plag. porphyry	trace cpy. and py. along fractures	264	<4	43	<.4	<10
INO-92-11	plag./pxn. porphyry, epidotized	1% cpy., py., and mal. staining	308	<4	56	<.4	<10
INO-92-12	andesitic volc., silicified	2% disseminated pyrite	353	5	82	<.4	<10
INO-92-13	silicified andesite (float)	5% pyrite, trace chalcopyrite	60	<4	23	<.4	<10
INO-92-14	felsic (vein?) with iron oxide	3% py. ~ dissem. and cubic	4	<4	<1	<.4	<10
INO-92-15	andesitic plag. porphyry flow	3% dissem. py., conc. in fractures	78	<4	43	<.4	<10

OWL — HD

JOB — 0 92-03358
REPORT DATE 10 JUL 1992

LAB NUMBER	FIELD NO	MAP ZONE	EAST	NORTH	#	M	O	S	COL	SZ	OR	W	CM	S	H	P	PH	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB	Wt Au GRAM
S9213331	174301		+0	+0	6	1	2	2	GB	25	1	1	20	2	C			30	<4	51	.4	<10	10
S9213332	174302		+50	+0	6	1	2	2	3G	24	1	2	10	2	B			30	<4	66	<.4	<10	10
S9213333	174303		+100	+0	6	1	2	2	GB	24	1	2	15	2	B			28	<4	48	<.4	<10	10
S9213334	174304		+150	+0	6	1	2	2	1B	24	1	2	15	2	B			27	<4	64	<.4	<10	10
S9213335	174305		+200	+0	6	1	2	2	2B	24	1	2	20	3	B			16	<4	105	<.4	<10	10
S9213336	174306		+250	+0	6	1	2	2	1B	24	1	2	20	3	B			55	5	62	<.4	<10	10
S9213337	174307		+300	+0	6	1	2	2	2B	24	1	2	30	2	B			54	4	70	<.4	<10	10
S9213338	174308		+350	+0	6	1	2	2	GB	24	1	1	25	3	B			24	5	67	.4	<10	10
S9213339	174309		+400	+0	6	1	2	2	1B	24	1	1	30	3	B			16	<4	59	<.4	<10	10
S9213340	174310		+450	+0	6	1	2	2	2B	24	1	1	15	2	B			12	<4	55	<.4	<10	10
S9213341	174311		+500	+0	6	1	2	2	2B	24	1	1	15	2	B			15	<4	82	<.4	<10	10
S9213342	174495		+550	+0	6	1	2	2	GB	24	1	1	15	2	B			18	<4	53	<.4	<10	10
S9213343	174312		+600	+0	6	1	2	2	2B	24	1	1	20	3	B			5	<4	117	<.4	<10	10
S9213344	174313		+650	+0	6	1	2	2	RB	34	1	1	30	4	B			71	<4	94	<.4	<10	10
S9213345	174314		+700	+0	6	1	2	2	2B	34	1	1	20	4	B			32	<4	82	<.4	<10	10
S9213346	174315		+750	+0	6	1	2	2	1B	34	1	1	20	2	B			11	<4	32	<.4	<10	10
S9213347	174316		+800	+0	6	1	2	2	2B	24	1	1	25	2	B			16	<4	66	<.4	<10	10
S9213348	174317		+850	+0	6	1	2	2	2B	24	1	2	25	2	B			18	<4	58	.4	<10	10
S9213349	174318		+900	+0	6	1	2	2	GB	14	1	2	30	3	B			12	<4	73	<.4	<10	10
S9213350	174319		+950	+0	6	1	2	2	2B	14	1	2	30	3	B			28	<4	61	<.4	<10	10
S9213351	174320		+1000	+0	6	1	2	2	2B	14	1	2	20	2	B			15	<4	60	<.4	<10	10
S9213352	174321		+1050	+0	6	1	2	2	2B	24	1	2	30	3	B			31	<4	103	<.4	<10	10
S9213353	174322		+1100	+0	6	1	2	2	2B	24	1	2	30	3	B			54	<4	64	<.4	<10	10
S9213354	174323		+1150	+0	6	1	2	2	2B	14	1	2	30	4	B			35	4	85	<.4	<10	10
S9213355	174324		+1200	+0	6	1	2	2	2B	24	1	1	30	4	B			40	<4	80	<.4	<10	10
S9213356	174325		+1250	+0	6	1	2	2	2B	14	1	1	25	4	B			29	<4	72	.4	<10	10
S9213357	174326		+1300	+0	6	1	2	2	2B	14	1	1	15	4	B			87	<4	69	<.4	<10	10
S9213358	174327		+1350	+0	6	1	2	2	1B	24	1	1	20	3	B			43	<4	64	<.4	<10	10
S9213359	174328		+1400	+0	6	1	2	2	2B	24	1	1	15	4	B			20	<4	42	.4	<10	10
S9213360	174329		+1450	+0	6	1	2	2	2B	24	1	2	15	2	B			39	<4	59	<.4	<10	10
S9213361	174330		+1500	+0	6	1	2	2	2B	14	1	1	10	2	B			24	4	57	.4	<10	10
S9213362	174331		+0	+500	6	1	2	2	GB	24	1	1	25	2	B			10	<4	68	<.4	<10	10
S9213363	174332		+50	+500	6	1	2	3	KB	14	3	3	40	2	A			441	8	56	.6	<10	10

LAB NUMBER	FIELD NO	MAP ZONE	EAST	NORTH	#	M	O	S	COL	SZ	OR	W	D CM	WM S	F H	P	PH	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB	WT Au GRAM
S9213364	174333		+100	+500	6	1	2	3	2B	24	1	2	30	2	B			316	5	55	<.4	<10	10
S9213365	174334		+150	+500	6	1	2	2	2B	24	1	1	25	3	B			10	<4	67	<.4	<10	10
S9213366	174335		+200	+500	6	1	2	2	1B	14	1	1	15	3	B			18	<4	57	.4	<10	10
S9213367	174336		+250	+500	6	1	2	2	2B	14	1	1	20	3	B			27	4	131	<.4	<10	10
S9213368	174337		+300	+500	6	1	2	2	2B	14	1	1	20	3	B			66	<4	66	.4	<10	10
S9213369	174338		+350	+500	6	1	2	2	2B	14	1	1	15	3	B			40	4	103	<.4	<10	10
S9213370	174339		+400	+500	6	1	2	2	RB	24	1	1	20	3	B			16	<4	90	<.4	<10	10
S9213371	174340		+450	+500	6	1	2	2	2B	14	1	1	30	3	B			11	<4	67	.7	<10	10
S9213372	174341		+500	+500	6	1	2	2	2B	24	1	1	25	3	B			28	<4	60	<.4	<10	10
S9213373	174342		+550	+500	6	1	2	2	2B	14	1	1	15	3	B			2	7	21	.4	<10	10
S9213374	174343		+600	+500	6	1	2	2	2B	14	1	1	20	3	B			18	4	63	.4	<10	10
S9213375	174344		+650	+500	6	1	2	2	RB	14	1	1	30	4	B			15	<4	70	<.4	<10	10
S9213376	174345		+700	+500	6	1	2	2	RB	14	1	1	25	3	B			20	<4	84	.7	<10	10
S9213377	174346		+750	+500	6	1	2	2	RB	14	1	1	15	2	B			19	<4	61	<.4	<10	10
S9213378	174347		+800	+500	6	1	2	2	2B	14	1	1	30	3	B			10	<4	54	<.4	<10	10
S9213379	174348		+850	+500	6	1	2	2	RB	14	1	2	20	2	B			5	12	46	.6	<10	10
S9213380	174349		+900	+500	6	1	2	2	RB	24	1	1	20	3	B			37	<4	53	<.4	<10	10
S9213381	174350		+950	+500	6	1	2	2	2B	24	1	1	15	3	B			16	5	51	.4	<10	10
S9213382	174351		+1000	+500	6	1	2	2	RB	24	1	2	15	2	B			16	6	73	<.4	<10	10
S9213383	174352		+1050	+500	6	1	2	2		14	1	2	20	3	B			5	7	43	.5	<10	10
S9213384	174353		+1100	+500	6	1	2	2	1B	24	1	2	40	2	B			89	11	100	.9	<10	10
S9213385	174354		+1150	+500	6	1	2	2	3B	24	2	2	40	2	B			578	9	99	<.4	<10	10
S9213386	174355		+1200	+500	6	1	2	2	1B	14	1	1	15	3	B			44	<4	73	.4	<10	10
S9213387	174356		+1250	+500	6	1	2	2	2B	24	1	2	20	2	B			70	<4	96	<.4	<10	10
S9213388	174357		+1300	+500	6	1	2	2	2B	14	2	2	20	2	B			143	<4	65	.7	<10	10
S9213389	174358		+1350	+500	6	1	5	3	NB	45	2	3	45	2	B			261	<4	52	.4	<10	10
S9213390	174359		+1400	+500	6	1	2	3	3B	14	3	2	35	3	A			588	7	56	<.4	<10	10
S9213391	174360		+1450	+500	6	1	2	2	2B	14	1	1	20	4	B			16	4	33	.4	<10	10
S9213392	174361		+1500	+500	6	1	4	2	RB	14	2	1	15	4	B			16	4	44	.6	<10	10
S9213393	174362		+0	+1000	6	1	2	2	NB	15	1	2	40	3	B			154	10	87	.8	<10	10
S9213394	174363		+50	+1000	6	1	5	2	K	15	2	2	40	2	A			536	12	109	<.4	<10	10
S9213395	174364		+100	+1000	6	1	5	2	K	15	3	2	40	2	A			650	12	106	.8	<10	10
S9213396	174365		+150	+1000	6	1	5	3	NB	15	2	3	45	2	B			218	5	83	.5	<10	10
S9213397	174366		+200	+1000	6	1	2	2	3B	15	1	2	35	2	B			135	5	89	<.4	<10	10
S9213398	174367		+250	+1000	6	1	5	2	3B	15	2	2	40	2	B			235	5	89	.6	<10	10
S9213399	174368		+300	+1000	6	1	2	2	3B	14	1	1	20	3	B			138	3	105	.4	<10	10

LAB NUMBER	FIELD NO	MAP	ZONE	EAST	NORTH	#	M	O	S	COL	SZ	OR	W	B CM	M	F H	P	PH	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB	WT AU GRAM
S9213400	174369			+350	+1000	6	1	2	2	2B	24	1	2	20	3	B			27	<4	89	.7	<10	10
S9213401	174370			+400	+1000	6	1	2	2	1B	24	1	1	15	4	B			23	4	58	.7	<10	10
S9213402	174371			+450	+1000	6	1	2	2	2B	24	1	1	15	3	B			16	8	60	.4	<10	10
S9213403	174372			+500	+1000	6	1	2	2	RB	24	1	1	20	3	B			24	<4	84	.7	<10	10
S9213404	174373			+550	+1000	6	1	2	2	2B	14	1	1	25	3	B			26	<4	53	<.4	<10	10
S9213405	174374			+600	+1000	6	1	5	2	3B	15	2	2	40	3	B			349	<4	94	.4	<10	10
S9213406	174375			+650	+1000	6	1	2	2	2B	24	1	1	20	4	B			37	<4	65	.4	<10	10
S9213407	174376			+700	+1000	6	1	2	2	2B	24	1	1	20	4	B			15	<4	55	.7	<10	10
S9213408	174377			+750	+1000	6	1	2	2	2B	24	1	1	15	3	B			13	4	59	.5	<10	10
S9213409	174378			+800	+1000	6	1	2	2	RB	24	1	1	20	3	B			14	5	80	.4	<10	10
S9213410	174379			+850	+1000	6	1	2	2	RB	24	1	1	20	4	B			31	<4	59	<.4	<10	10
S9213411	174380			+900	+1000	6	1	2	2	RB	24	1	1	15	3	B			14	<4	39	<.4	<10	10
S9213412	174381			+950	+1000	6	1	2	2	1B	14	1	1	20	4	B			55	<4	81	<.4	<10	10
S9213413	174382			+1000	+1000	6	1	2	2	RB	25	1	2	20	2	B			14	<4	70	<.4	<10	10
S9213414	174384			+1100	+1000	6	1	2	2	RB	24	1	2	15	2	B			11	<4	69	<.4	<10	10
S9213415	174385			+1150	+1000	6	1	2	2	2B	24	1	2	15	2	B			20	<4	64	<.4	<10	10
S9213416	174386			+1200	+1000	6	1	2	2	2B	14	2	2	15	4	B			21	<4	42	.4	<10	10
S9213417	174387			+1250	+1000	6	1	2	2	2B	24	1	2	15	4	B			22	<4	55	<.4	<10	10
S9213418	174388			+1300	+1000	6	1	2	2	2B	14	2	2	20	3	B			83	4	62	<.4	<10	10
S9213419	174389			+1350	+1000	6	1	2	2	2B	14	1	2	15	3	B			49	<4	79	.4	<10	10
S9213420	174390			+1400	+1000	6	1	2	2	NB	14	1	2	15	2	B			49	4	77	<.4	<10	10
S9213421	174391			+1450	+1000	6	1	2	2	2B	14	2	2	15	2	B			48	<4	87	<.4	<10	10
S9213422	174392			+1500	+1000	6	1	2	2	RB	14	1	2	20	2	B			26	<4	73	<.4	<10	10
S9213423	174393			+1550	+1000	6	1	2	2	2B	24	1	1	15	2	B			3	<4	38	<.4	<10	10
S9213424	174394			+1600	+1000	6	1	5	3	3B	14	2	3	30	2	B			59	7	76	<.4	<10	10
S9213425	174395			+1650	+1000	6	1	2	2	RB	14	1	1	20	3	B			18	<4	54	<.4	<10	10
S9213426	174396			+1700	+1000	6	1	2	2	RB	24	1	1	20	3	B			26	<4	48	<.4	<10	10
S9213427	174397			+1750	+1000	6	1	2	2	2B	24	1	1	15	4	B			23	<4	41	<.4	<10	10
S9213428	174398			+1800	+1000	6	1	2	2	2B	24	1	1	15	4	B			13	<4	36	<.4	<10	10
S9213429	174399			+1850	+1000	6	1	2	2	RB	24	1	2	15	1	B			43	<4	59	<.4	<10	10
S9213430	174400			+1900	+1000	6	1	4	2	RB	24	1	2	15	2	B			8	5	28	<.4	<10	10
S9213431	174401			+1950	+1000	6	1	2	2	2B	24	1	2	15	3	B			29	<4	84	<.4	<10	10
S9213432	174402			+2000	+1000	6	1	2	2	2B	24	1	1	15	3	B			14	4	51	<.4	<10	10
S9213433	174403			+0	+1500	6	1	2	2	3B	14	1	2	15	2	B			10	<4	51	<.4	<10	10
S9213434	174404			+50	+1500	6	1	2	2	3B	25	1	2	25	2	B			39	<4	81	<.4	<10	10
S9213435	174405			+100	+1500	6	1	3	3	2B	25	1	2	40	2	B			65	<4	52	<.4	<10	10

LAB NUMBER	FIELD NO	MAP	ZONE	EAST	NORTH	$	M	D	S	COL	SZ	OR	W	D cm	WM S	F H	P	pH	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB	WT Au GRAM
S9213436	174407			+200	+1500	6	1	2	2	RB	14	1	1	15	3	B			24	5	98	<.4	<10	10
S9213437	174408			+250	+1500	6	1	2	2	RB	24	1	1	20	2	B			7	5	82	.4	<10	10
S9213438	174409			+300	+1500	6	1	2	2	BG	24	1	1	20	2	B			8	<4	45	<.4	<10	10
S9213439	174410			+350	+1500	6	1	2	2	2B	25	1	2	30	2	B			38	4	67	<.4	<10	10
S9213440	174411			+400	+1500	6	1	2	2	2B	24	1	2	25	3	B			21	5	79	.4	28	10
S9213441	174412			+450	+1500	6	1	2	2	2B	14	1	1	25	2	B			26	<4	58	<.4	<10	10
S9213442	174413			+500	+1500	6	1	2	2	RB	24	1	1	15	2	B			13	6	76	.5	<10	10
S9213443	174414			+550	+1500	6	1	2	2	RB	24	1	2	25	3	B			10	6	74	<.4	<10	10
S9213444	174415			+600	+1500	6	1	2	2	GB	34	1	2	30	3	B			213	<4	78	<.4	<10	10
S9213445	174416			+650	+1500	6	1	2	2	RB	24	1	1	25	3	B			121	6	79	<.4	<10	10
S9213446	174417			+700	+1500	6	1	2	2	RB	14	1	1	20	3	B			22	<4	76	<.4	<10	10
S9213447	174418			+750	+1500	6	1	2	2	BG	24	2	3	20	4				9	<4	32	<.4	<10	10
S9213448	174419			+800	+1500	6	1	2	2	BG	24	1	2	25	4	B			16	<4	79	<.4	<10	10
S9213449	174420			+850	+1500	6	1	2	2	1B	14	1	1	20	4	B			24	<4	85	<.4	<10	10
S9213450	174421			+900	+1500	6	1	2	2	2B	24	1	2	20	4	B			84	<4	75	<.4	<10	10
S9213451	174422			+950	+1500	6	1	2	2	2B	14	1	2	20	2	B			9	7	57	.5	<10	10
S9213452	174423			+1000	+1500	6	1	2	2	2B	14	1	2	20	2	B			15	6	73	<.4	<10	10
S9213453	174424			+1050	+1500	6	1	2	2	2B	14	1	2	20	2	B			44	6	66	<.4	<10	10
S9213454	174425			+1100	+1500	6	1	4	2	1B	14	1	1	10	4	B			70	<4	54	<.4	<10	10
S9213455	174426			+1150	+1500	6	1	2	2	2B	14	1	1	20	4	B			17	4	68	<.4	<10	10
S9213456	174427			+1200	+1500	6	1	2	2	RB	13	1	2	25	3	B			14	<4	75	<.4	<10	10
S9213457	174428			+1250	+1500	6	1	5	2	3G	25	1	2	40	2	B			48	<4	61	<.4	<10	10
S9213458	174430			+1350	+1500	6	1	5	2	RB	25	1	2	20	2	B			15	<4	50	<.4	<10	10
S9213459	174431			+1400	+1500	6	1	2	2	2B	24	1	1	20	3	B			21	5	56	<.4	<10	10
S9213460	174432			+1450	+1500	6	1	2	2	2B	25	1	2	30	2	B			20	6	59	<.4	<10	10
S9213461	174433			+1500	+1500	6	1	2	2	3B	4	1	1	25	2	B			66	<4	58	<.4	<10	10
S9213462	174434			+0	+2000	6	1	2	2	2B	14	1	2	15	2	B			20	4	59	<.4	<10	10
S9213463	174435			+50	+2000	6	1	2	2	2B	14	1	2	20	2	B			13	4	44	<.4	<10	10
S9213464	174436			+100	+2000	6	1	2	2	GB	24	1	1	20	2	B			5	<4	33	<.4	<10	10
S9213465	174437			+150	+2000	6	1	2	2	2B	24	1	2	25	2	B			18	<4	68	<.4	<10	10
S9213466	174438			+200	+2000	6	1	2	2	2B	24	1	2	20	2	B			10	<4	59	<.4	<10	10
S9213467	174439			+250	+2000	6	1	2	2	2B	14	1	1	20	2	B			17	<4	73	<.4	<10	10
S9213468	174440			+300	+2000	6	1	2	2	RB		1	1	20	2	B			10	4	39	<.4	<10	10
S9213469	174441			+350	+2000	6	1	2	2	RB	24	1	1	20	2	B			3	<4	76	<.4	<10	10
S9213470	174442			+400	+2000	6	1	2	2	BG	24	1	2	35	2	B			32	<4	53	<.4	<10	10
S9213471	174443			+450	+2000	6	1	2	2	2B	14	1	2	20	2	B			27	5	75	<.4	<10	10

LAB NUMBER	FIELD NO	MAP ZONE	EAST	NORTH	#	M	O	S	COL	SZ	OR	W	D CM	Mn S	F H	P	pH	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB	Wt Au GRAM
S9213472	174444		+500	+2000	6	1	2	2	RB	24	1	1	20	2	B			12	5	81	<.4	<10	10
S9213473	174445		+550	+2000	6	1	2	2	3B	15	2	2	40	1	B			28	8	51	<.4	<10	10
S9213474	174446		+600	+2000	6	1	2	2	3B	15	1	2	30	1	B			29	<4	73	<.4	<10	10
S9213475	174447		+650	+2000	6	1	2	2	2B	14	1	2	20	2	B			13	<4	61	.6	<10	10
S9213476	174448		+700	+2000	6	1	2	2	2B	24	1	2	25	2	B			25	5	71	<.4	<10	10
S9213477	174449		+750	+2000	6	1	2	2	2B	24	1	1	25	2	B			11	<4	63	<.4	<10	10
S9213478	174450		+800	+2000	6	1	2	2	2B	24	1	1	20	4	B			11	<4	47	<.4	<10	10
S9213479	174451		+850	+2000	6	1	2	2	2B	24	1	2	20	3	B			14	4	57	<.4	<10	10
S9213480	174452		+900	+2000	6	1	2	2	2B	24	1	1	20	2	B			18	8	70	<.4	<10	10
S9213481	174453		+950	+2000	6	1	5	2	3B	15	2	2	40	2	B			131	8	68	.4	<10	10
S9213482	174454		+1000	+2000	6	1	2	2	BR	24	1	2	15	3	B			12	5	94	.4	<10	10
S9213483	174455		+1050	+2000	6	1	2	2	RB	24	1	2	20	3	B			8	<4	61	<.4	<10	10
S9213484	174456		+1100	+2000	6	1	2	2	2B	24	1	2	20	3	B			7	4	48	<.4	<10	10
S9213485	174457		+1150	+2000	6	1	2	2	RB	24	1	2	25	2	B			17	5	102	<.4	<10	10
S9213486	174458		+1200	+2000	6	1	2	2	RB	24	1	1	20	2	B			8	4	80	<.4	<10	10
S9213487	174459		+1250	+2000	6	1	5	2	BG	25	1	2	15	1	B			20	<4	58	<.4	<10	10
S9213488	174460		+1300	+2000	6	1	2	2	RB	24	1	1	25	3	B			14	6	56	<.4	<10	10
S9213489	174461		+1350	+2000	6	1	2	2	RB	24	1	2	25	2	B			7	6	80	<.4	<10	10
S9213490	174462		+1400	+2000	6	1	2	2	GB	24	1	2	20	2	B			11	<4	48	.4	<10	10
S9213491	174463		+1450	+2000	6	1	5	2	2B	15	2	2	35	2	B			94	7	66	<.4	<10	10
S9213492	174464		+1500	+2000	6	1	2	2	2B	14	1	2	15	2	B			29	<4	60	.4	<10	10
S9213493	174465		BUTTER	+0	6	1	4	2	YB	24	1	1	15	3	B			23	6	72	<.4	<10	10
S9213494	174466		BUTTER	-50	1	1	2	2	2B	24	2	2	15	2	B			169	<4	75	<.4	<10	10
S9213495	174467		BUTTER	-100	6	1	2	2	2B	14	2	2	15	4	B			319	7	205	<.4	<10	10
S9213496	174468		BUTTER	-150	6	1	2	2	2B	24	2	2	10	4	B			244	9	52	<.4	<10	10
S9213497	174469		BUTTER	-200	6	1	2	2	3B	24	2	2	20	4	B			422	6	87	<.4	<10	10
S9213498	174470		BUTTER	-250	6	1	2	2	2B	24	1	2	15	4	B			23	8	56	<.4	<10	10
S9213499	174471		BUTTER	-300	6	1	2	2	2B	42	1	2	15	4	B			26	7	59	.5	<10	10
S9213500	174472		BUTTER	-350	6	1	2	2	2B	14	2	2	20	3	B			56	8	95	.9	<10	10
S9213501	174473		BUTTER	-400	6	1	2	2	2B	14	2	2	20	4	B			21	12	54	<.4	<10	10
S9213502	174474		BUTTER	-450	6	1	2	2	2B	14	2	2	20	4	B			173	<4	61	.6	<10	10
S9213503	174475		BUTTER	-500	6	1	2	2	2B	14	2	2	20	4	B			28	4	64	<.4	<10	10

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED

IF REQUESTED ANALYSES ARE NOT SHOWN ,RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Cu 20% HNO3 DECOMPOSITION / AAS

Pb 20% HNO3 DECOMPOSITION / AAS

SAMPLE NUMBER	FIELD NO	MAP ZONE	EAST	NORTH	#	M	D	S	COL	SZ	OR	M	CM	S	M	P	PH	Cu PPM	Pb PPM	Zn PPM	AG PPM	AU PPB	AT AU GRAM
S9237894	148900		+0	+2500	6	1	5	2	26	13	1	2	40	2	B			49	19	203	.4	(10	10
S9237895	148901		-100	+2500	1	1	5	2	BK	45	3	2	50	2	A			265	14	326	(.4	(1	10
S9237896	148902		-200	+2500	6	1	5	2	26	13	2	2	30	3	B			52	24	123	.5	(1	10
S9237897	148903		-300	+2500	1	1	5	2	28	24	1	2	50	2	B			77	3	156	(.4	(10	10
S9237898	148904		-400	+2500	6	1	2	2	28	14	2	2	30	2	B			20	10	99	(.4	(10	10
S9237899	148905		-500	+2500	1	1	5	2	38	25	1	2	40	2	B			65	13	152	.9	(10	10
S9237900	148906		-600	+2500	6	1	2	2	28	24	2	1	25	2	B			15	9	156	.4	(10	10
S9237901	148907		-700	+2500	1	1	5	2	28	25	1	2	40	2	B			49	29	119	.8	(10	10
S9237902	148908		-800	+2500	6	1	2	2	28	24	1	2	25	2	B			8	4	169	.5	(10	10
S9237903	148909		-900	+2500	1	1	2	2	RB	34	2	1	30	2	B			3	(4	71	(.4	(10	10
S9237904	148910		-1000	+2500	6	1	2	3	28	24	2	2	15	2	B			22	10	103	.5	(10	10
S9237905	148911		-1100	+2500	1	1	4	2	28	24	1	1	20	3	B			19	12	79	.5	(10	10
S9237906	148912		-1200	+2500	6	1	2	2	RB	14	2	1	20	3	B			21	10	86	.4	(10	10
S9237907	148913		-1300	+2500	1	1	2	2	38	24	2	1	35	2	B			114	15	115	1.2	(10	10
S9237908	148914		-1400	+2500	6	1	3	2	28	14	3	2	25	2	B			8	5	73	(.4	(10	10
S9237909	148915		-1500	+2500	1	1	4	2	18	41	1	1	15	1	B			6	4	65	.4	(1	10
S9237910	148916		-1600	+2500	6	1	2	2	36	24	2	2	25	2	B			11	(4	122	(.4	(10	10
S9237911	148917		-1700	+2500	1	1	4	2	38	24	1	1	30	2	B			14	(4	48	(.4	(1	10
S9237912	148918		-1800	+2500	6	1	2	2	BG	34	1	2	20	2	B			34	(4	83	(.4	(10	10
S9237913	148919		-1900	+2500	1	1	2	2	38	4	1	2	35	2	B			81	(4	68	(.4	(10	10
S9237914	148920		-2000	+2500	6	1	2	3	38	35	3	2	45	1	B			114	(4	58	.5	(10	10
S9237915	148921		+0	+3500	6	1	5	2	38	25	2	1	25	1	B			333	9	143	.6	(10	10
S9237916	148922		-100	+3500	1	1	2	2	28	24	1	2	35	2	B			36	5	200	.6	(10	10
S9237917	148923		-200	+3500	6	1	2	2	RB	24	2	2	25	2	B			20	4	119	.4	(1	10
S9237918	148924		-300	+3500	1	1	4	2	28	24	1	2	25	2	B			22	(4	141	(.4	(10	10
S9237919	148925		-400	+3500	6	1	2	2	28	24	2	2	20	3	B			18	(4	263	(.4	(1	10
S9237920	148926		-500	+3500	1	1	4	2	28	24	1	2	30	3	B			21	8	139	(.4	60	10
S9237921	148927		-600	+3500	6	1	2	2	28	24	1	2	20	3	B			21	14	288	(.4	(10	10
S9237922	148928		-700	+3500	1	1	4	2	RB	14	2	1	35	4	B			139	30	750	1	(10	10
S9237923	148929		-800	+3500	6	1	4	2	18	24	1	1	20	3	B			13	4	247	.4	(10	10
S9237924	148930		-900	+3500	1	1	4	2	YB	14	1	1	30	2	B			18	4	105	(.4	(10	10
S9237925	148931		-1000	+3500	6	1	4	2	28	24	1	2	20	3	B			12	4	207	.5	(10	10
S9237926	148932		-1100	+3500	1	1	4	2	28	24	1	1	30	2	B			11	8	139	(.4	(10	10

LAB NUMBER	FIELD NO	MAP ZONE	EAST	NORTH	#	M	D	S	COL	SZ	OR	#	CM	S	#	P	PH	CU PPM	PB PPM	ZN PPM	AG PPM	AU PPB	WT AU GRAM
S9237927	148933		-1200	+3500	6	1	4	2	29	24	1	2	20	2	8			18	4	104	(.4	(1)	1
S9237928	148934		-1300	+3500	1	1	4	2	28	24	1	1	10	2	8			15	8	109	(.4	(1)	1
S9237929	148935		-1400	+3500	5	1	4	2	28	24	1	2	15	2	8			21	4	83	(.4	(1)	1
S9237930	148936		-1500	+3500	1	1	1	2	28	3	1	1	20	2	8			14	4	113	(.4	(1)	1

I=INSUFFICIENT SAMPLE A=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Cu 20% HNO3 DECOMPOSITION / AAS
Pb 20% HNO3 DECOMPOSITION / AAS
Zn 20% HNO3 DECOMPOSITION / AAS
Ag 20% HNO3 DECOMPOSITION / AAS
Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
WT AU THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)

APPENDIX C

Statement of Qualifications

I, IAN NEILL hereby certify that:

1) I obtained a Bachelor of Science degree in Geology from the University of British Columbia in 1992;

2) I have been involved in mineral exploration in British Columbia and the Yukon since 1990;

3) I was personally engaged in fieldwork on the OWL Property and am responsible for the interpretation of data, and the writing of this report;

4) My home address is:

5015 Bear Lane
West Vancouver, B.C.
V7W 1L2

October 7, 1992

Ian Neill
Geologist

APPENDIX D

STATEMENT OF EXPENDITURES

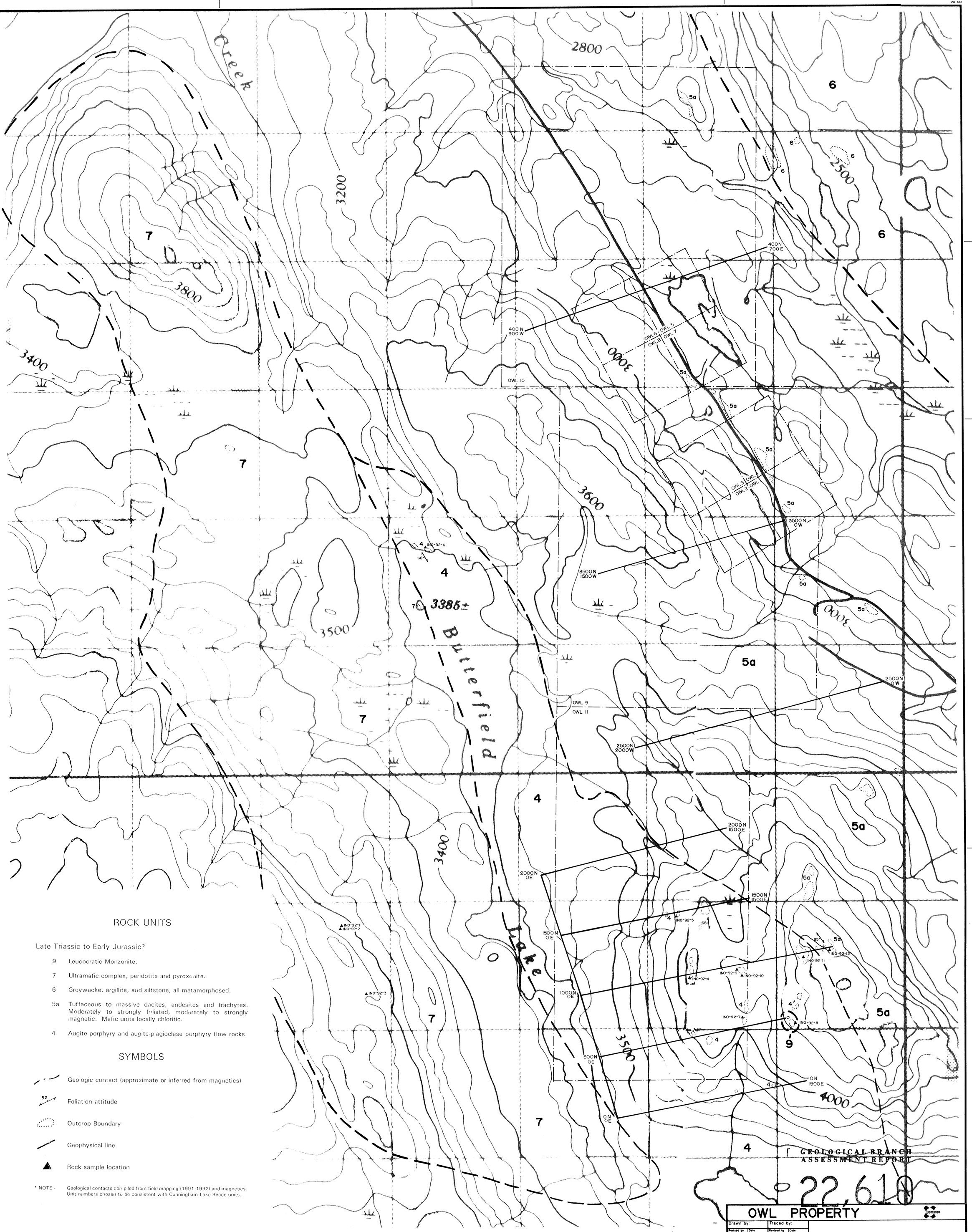
PART 1: June 20th - July 6th

Salaries:	Temp.	Ian Neill	14 days @ $210/day	$2940
		Dirk Van Ulden	14 days @ $160/day	$2240
	Perm.	Nick Callan	5 days @ $310/day	$1550
Geochemistry:				$2650
Geophysics:				$10750
Fixed Wing:				$3350
Boat Rental:				$700
Domicile/Equipment:				$1200
Office/Drafting:				$1100
			Total:	$26480

PART 2: October 10th - October 14th

Salaries:	Temp.	Ian Neill	4 days @ $210/day	$840
	Perm.	Nick Callan	4 days @ $310/day	$1240
Geochemistry:				$740
Geophysics:				$9800
Air Travel:				$1700
Truck Rental:				$500
Domicile:				$850
Office/Drafting:				$250
			Total:	$15920

TOTAL: $42400



ROCK UNITS

Late Triassic to Early Jurassic?

- 9 Leucocratic Monzonite.
- 7 Ultramafic complex, peridotite and pyroxenite.
- 6 Greywacke, argillite, and siltstone, all metamorphosed.
- 5a Tuffaceous to massive dacites, andesites and trachytes. Moderately to strongly foliated, moderately to strongly magnetic. Mafic units locally chloritic.
- 4 Augite porphyry and augite-plagioclase porphyry flow rocks.

SYMBOLS

- Geologic contact (approximate or inferred from magnetics)
- 52 Foliation attitude
- Outcrop Boundary
- Geophysical line
- ▲ Rock sample location

* NOTE - Geological contacts compiled from field mapping (1991-1992) and magnetics. Unit numbers chosen to be consistent with Cunningham Lake Recce units.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,610

OWL PROPERTY

Dominion

Drawn by:	Traced by:	
Revised by / Date	Revised by / Date	GEOLOGY

Scale: 1:10,000 | Date: OCT. 92 | Plate: 3

FORM 210 - 0680

Creek

2800

2500

3200

3800

3400

OWL 10

OWL 6 OWL 5
OWL 8 OWL 7

42,7,63
39,7,82
92, 8,64
83, 8,157
322,11,242
25, 6,300
16, 9,78
22, 7,80
14, 7,105
14, 5,80
25, 7,126
15, 5,49
43, L,113
16, 8,173
14, 8,80
11, 4,97
34, 8,186
59,12,152
27, 9,43
31, 6,87
28, 7,55
46, 13,278
32, 5,46
12, 5,74
23, 5,103
18, L,96
25, 5,99
16, L,123
14, 7,108
25, 8,103
35, L,87

OWL 3 OWL 4
OWL 2 OWL 1

3600

▲270,L,72

3385±

Butterfield

3500

14, 4,118
21, 4,83
15, 8,109
10, 4,104
11, 8,139
22, 4,207
18, 4,105
13, 4,247
130,301,750
21, 4,288
21, 8,189
18, L,283
22, L,141
20, 4,119
26, 5,220
33, 9,143

OWL 9
OWL 11

3000

3400

4500

▲49,L,18
▲289,L,9

Lake

▲203,L,32

4600

▲479,L,68

▲353,5,82
▲308,L,56
▲101,L,49
▲264,L,43
▲482,L,32
253,L,90
▲4,L,6

4000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,610

• - SOIL SAMPLE

▲ - ROCK SAMPLE

OWL PROPERTY

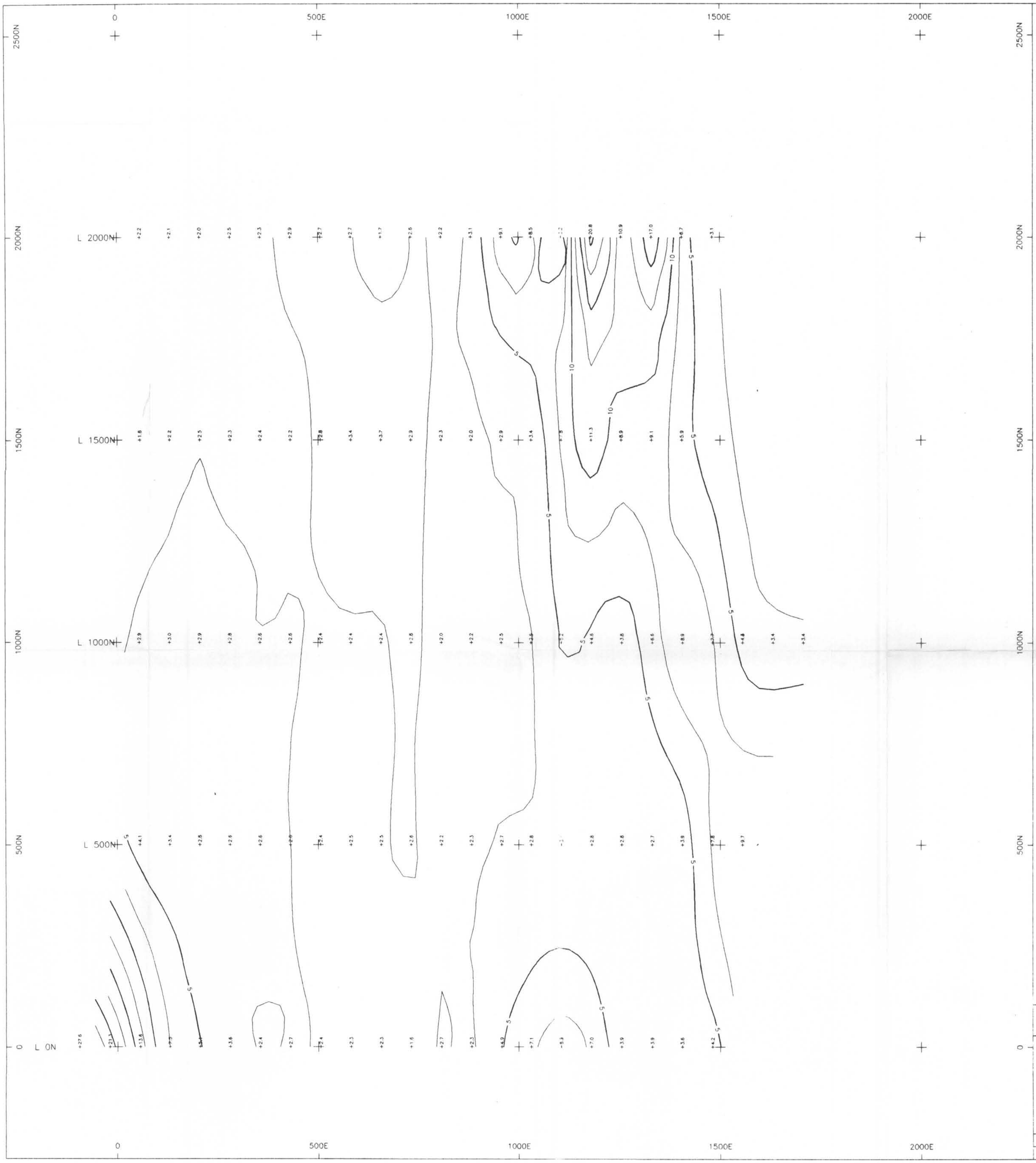
Cominco

Drawn by:		Traced by:	
Revised by	Date	Revised by	Date

GEOCHEMISTRY
Cu, Pb, Zn (ppm)

Scale: 1:10,000 | Date: OCT. 92 | Plate: 4

FORM 210 - 0680



SURVEY SPECIFICATIONS

receiver	Scintrex IPR12
transmitter	Scintres IPC7
pulse time	2 seconds
Mx receive window	690–1050 msecs
mid point	870 msecs
array	pole dipole
a spacing	75 meters
n separations	1, 2, 3, 4

current electrode is located west of receiving electrodes

contoured value a=75 n=1

contour interval 2.5 mV/V

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,610

0 100 200 300 400
METERS

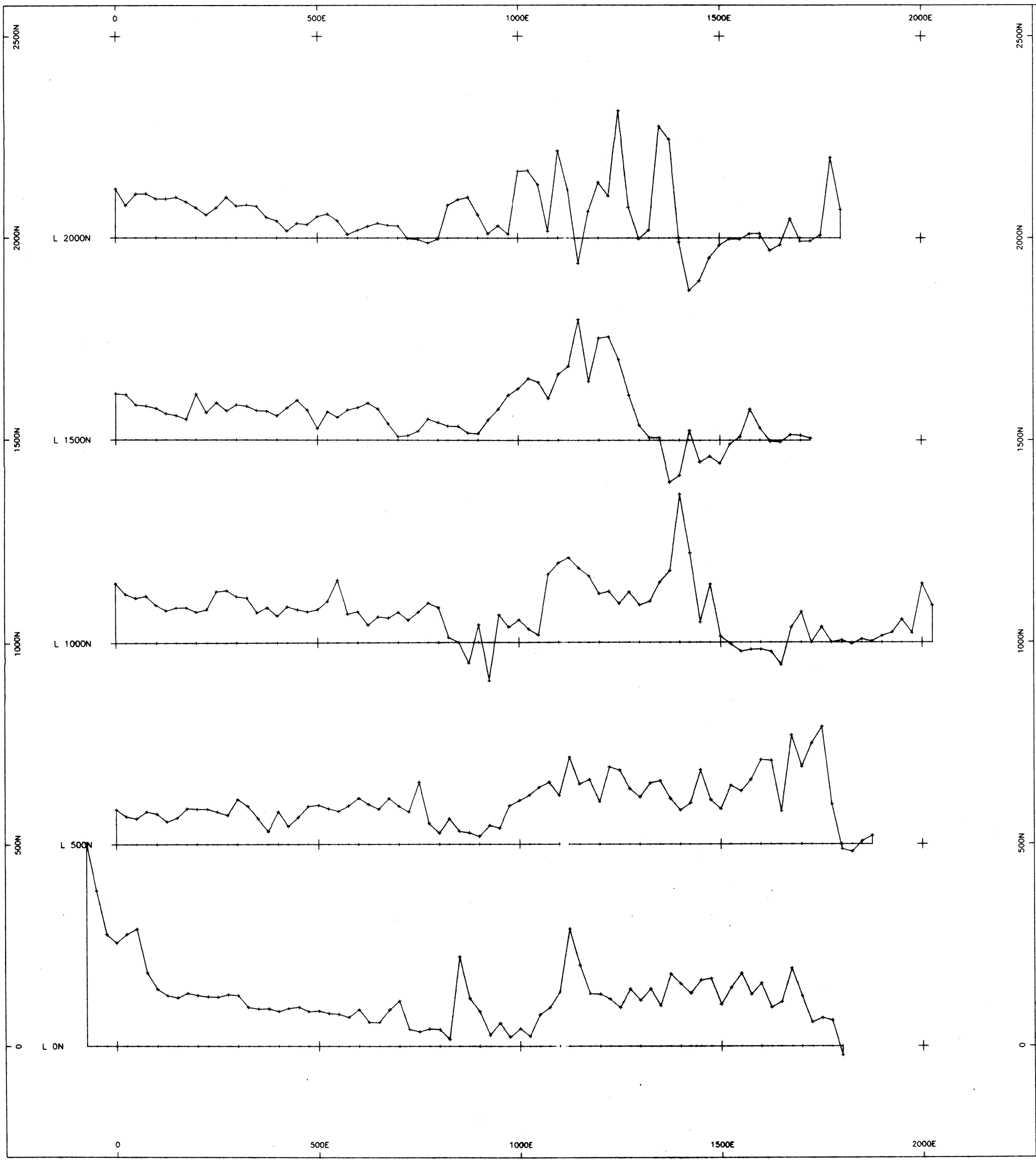
COMINCO LTD.

OWL CLAIMS

FORT ST. JAMES AREA, B.C.
CHARGEABILITY CONTOUR PLAN
a=75 meters/n=1
contour interval = 2.5 mV/V

DRAWN BY: ars | DATE: July/92

SCOTT GEOPHYSICS LTD.



SURVEY SPECIFICATIONS

survey magnetometer	Scintrex MP4
base magnetometer	Scintrex MP4
type	proton
measurement	total field
units	gammas
drift corrections by	base mag
cycle time	30 secs

GEOLOGICAL BRANCH ASSESSMENT REPORT

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KEY	BASE	UNITS/cm
MAG	57000	500

0 100 200 300 400

METERS

COMINCO LTD.

OWL CLAIMS

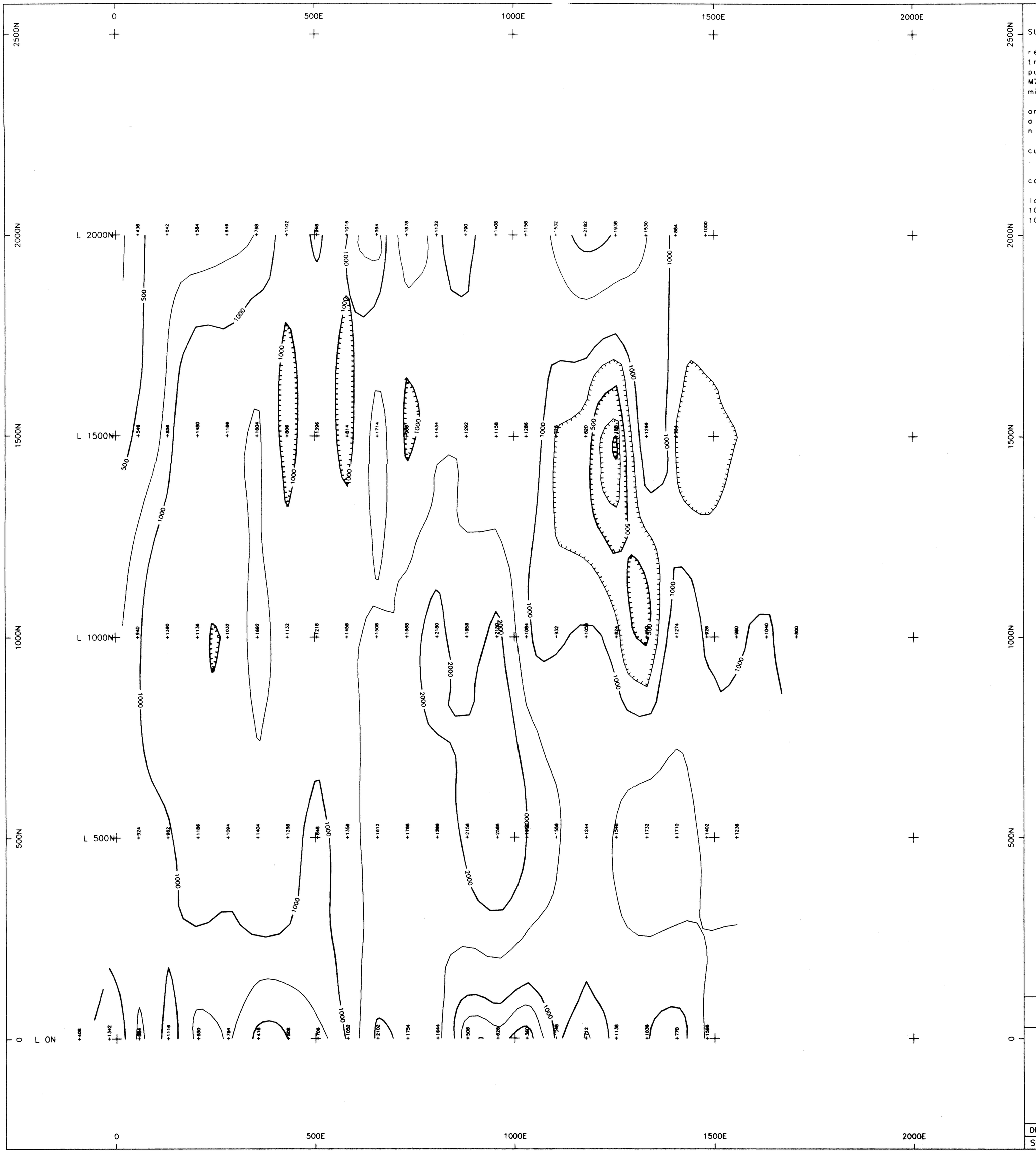
FORT ST. JAMES AREA, B.C.

MAGNETOMETER PROFILES

profile scale – 1 cm : 500 gammas

DRAWN BY: ars	DATE: July/92

SCOTT GEOPHYSICS LTD.



SURVEY SPECIFICATIONS

receiver	Scintrex IPR12
transmitter	Scintrex IPC7
pulse time	2 seconds
M7 receive window	690–1050 msecs
mid point	870 msecs
array	pole dipole
a spacing	75 meters
n separations	1, 2, 3, 4

current electrode is located west of receiving electrodes

contoured value a=75 n=1

log contour intervals (ohm-meters)
100, 150, 200, 300, 500, 750
1000, 1500, 2000, 3000, 5000, 7500

GEOLOGICAL BRANCH ASSESSMENT REPORT

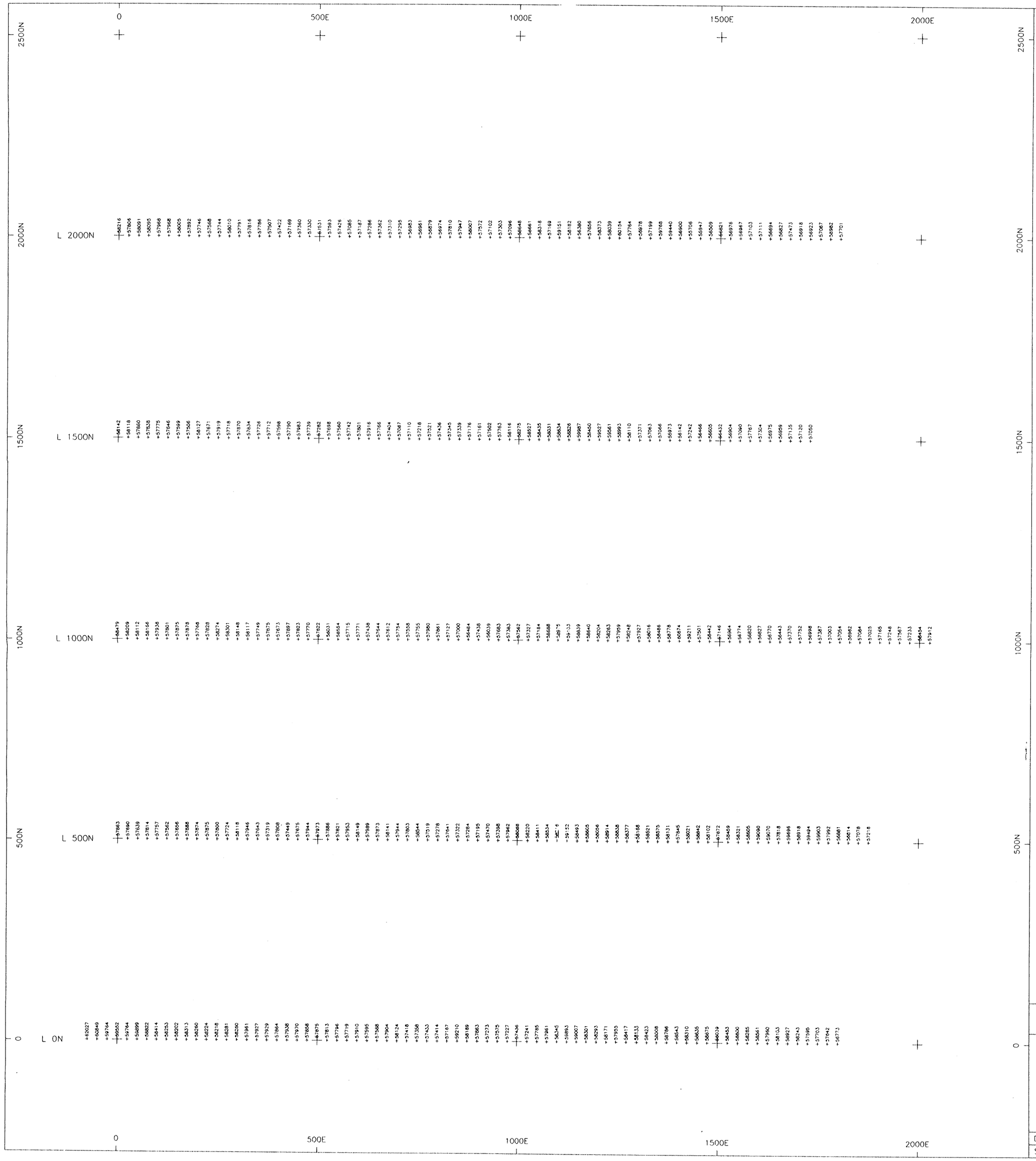
22,610

0 100 200 300 400
METERS

COMINCO LTD.

OWL CLAIMS
FORT ST. JAMES AREA, B.C.
RESISTIVITY CONTOUR PLAN
a=75 meters/n=1
log contour interval

DRAWN BY: ars	DATE: July/92
SCOTT GEOPHYSICS LTD.	



SURVEY SPECIFICATIONS

survey magnetometer	Scintrex MP4
base magnetometer	Scintrex MP4
type	proton
measurement	total field
units	gammas
drift corrections by	base mag
cycle time	30 secs

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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0 100 200 300 400
METERS

COMINCO LTD.

OWL CLAIMS

FORT ST. JAMES AREA, B.C.
MAGNETOMETER VALUES

DRAWN BY: ars	DATE: July/92
SCOTT GEOPHYSICS LTD.	

COMINCO LTD.

OWL PROPERTY, B.C.

LINE: 0N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex: IPR-12
07-05-92 Pulse Rate: 2 sec

current electrode west of receiving electrodes
Mx window is 690 to 1050 msecs after shutoff

0 50 100 200 300
METERS

RESISTIVITY (ohm-m)

CHARGEABILITY (millivolts/volt)

COMINCO LTD.

OWL PROPERTY, B.C.

LINE: 500N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex: IPR-12
07-04-92 Pulse Rate: 2 sec

current electrode west of receiving electrodes
Mx window is 690 to 1050 msecs after shutoff

0 50 100 200 300
METERS

RESISTIVITY (ohm-m)

CHARGEABILITY (millivolts/volt)

COMINCO LTD.

OWL PROPERTY, B.C.

LINE: 1000N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex: IPR-12
07-03-92 Pulse Rate: 2 sec

current electrode west of receiving electrodes
Mx window is 690 to 1050 msecs after shutoff

0 50 100 200 300
METERS

RESISTIVITY (ohm-m)

CHARGEABILITY (millivolts/volt)

COMINCO LTD.

OWL PROPERTY, B.C.

LINE: 1500N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex: IPR-12
07-02-92 Pulse Rate: 2 sec

current electrode west of receiving electrodes
Mx window is 690 to 1050 msecs after shutoff

0 50 100 200 300
METERS

RESISTIVITY (ohm-m)

CHARGEABILITY (millivolts/volt)

COMINCO LTD.

OWL PROPERTY, B.C.

LINE: 2000N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)
SCOTT GEOPHYSICS LTD. Scintrex: IPR-12
07-02-92 Pulse Rate: 2 sec

current electrode west of receiving electrodes
Mx window is 690 to 1050 msecs after shutoff

0 50 100 200 300
METERS

RESISTIVITY (ohm-m)

CHARGEABILITY (millivolts/volt)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,610

COMINCO LTD.

OWL PROPERTY, FORT ST. JAMES AREA, B.C.

LINE: 2500N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD.

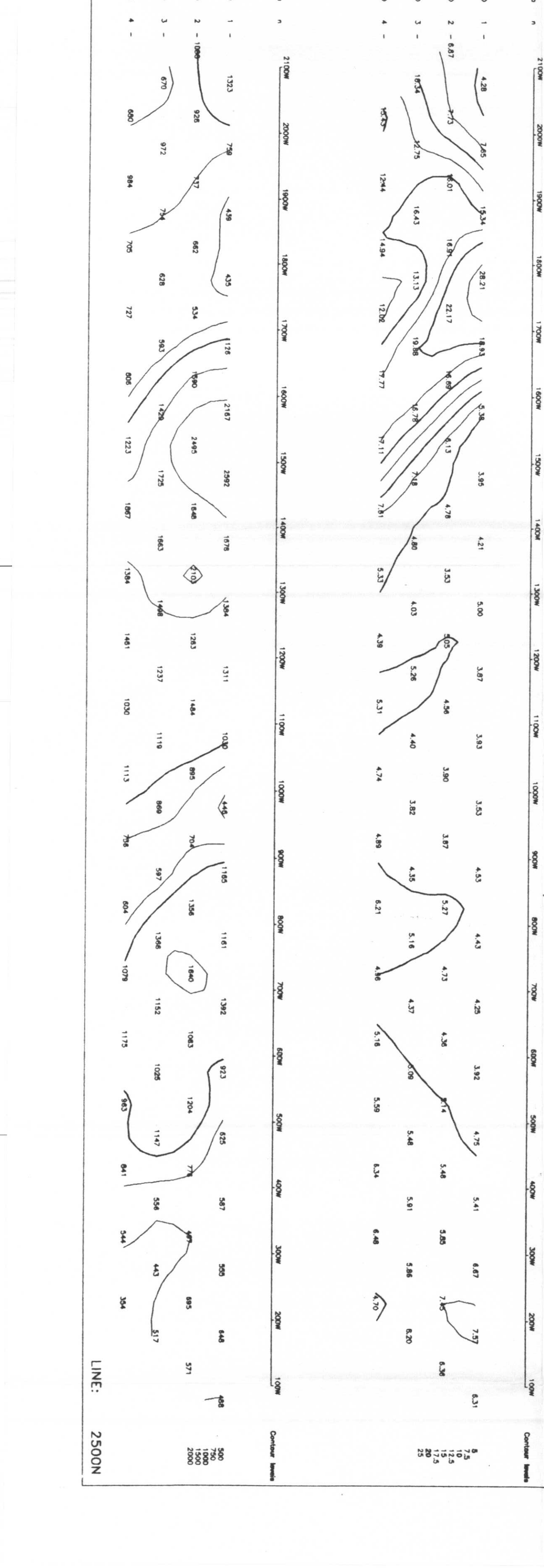
Scintrex: IPR-12
Pulse Rate: 2 sec

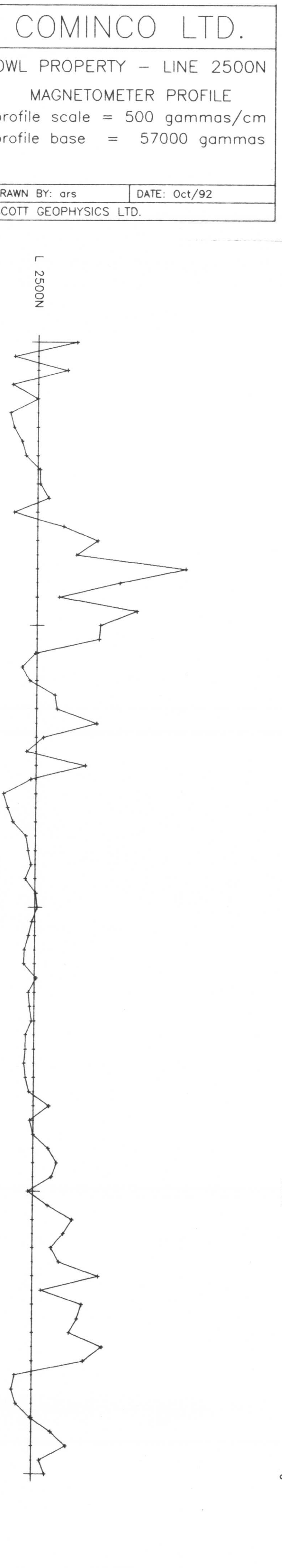
current electrode is east of receiving electrodes
Mx Chargeability is for interval 690 to 1050 msecs after shutoff

0 50 100 200 300
METERS

RESISTIVITY (ohm-m)

CHARGEABILITY (millivolts/volt)





COMINCO LTD.

OWL PROPERTY – LINE 2500N

MAGNETOMETER PROFILE

profile scale = 500 gammas/cm

profile base = 57000 gammas

DRAWN BY: ars	DATE: Oct/92
SCOTT GEOPHYSICS LTD.	

LINE: 2500N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,610

COMINCO LTD.

OWL PROPERTY, FORT ST. JAMES AREA, B.C.

LINE: 400N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex: IPR-12

Oct/92 Pulse Rate: 2 sec

current electrode is east of receiving electrodes

Mx Chargeability is for interval 690 to 1050 msecs after shutoff

0 50 100 200 300

METERS

RESISTIVITY
(ohm-m)

CHARGEABILITY
(millivolts/volt)

Contour levels
500
750
1000
1500

COMINCO LTD.

OWL PROPERTY - LINE 400N

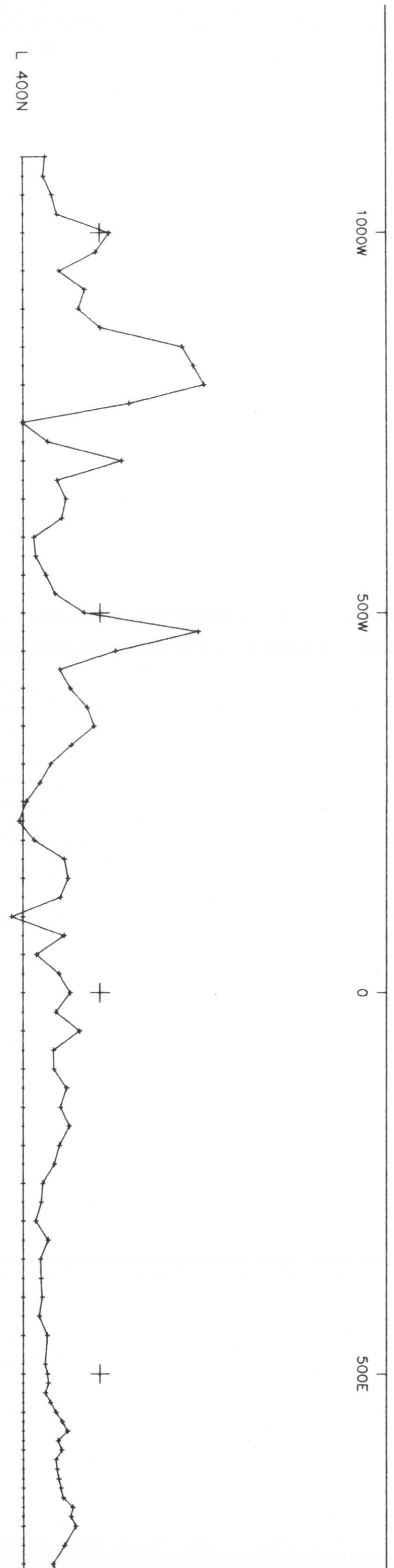
MAGNETOMETER PROFILE

profile scale = 500 gammas/cm

profile base = 57000 gammas

DRAWN BY: ars | DATE: Oct/92

SCOTT GEOPHYSICS LTD.



COMINCO LTD.

OWL PROPERTY - FORT ST. JAMES AREA, B.C.

LINE: 3500N

INDUCED POLARIZATION SURVEY (Pole-Dipole Array)

SCOTT GEOPHYSICS LTD.
Oct/92

Scintrex: IPR-12
Pulse Rate: 2 sec

current electrode is east of receiving electrodes
Chargeability is for interval 690 to 1050 msecs after shutoff

0 100 200 300
METERS

CHARGEABILITY (millivolts/volt)

RESISTIVITY (ohm-m)

1600W 1500W 1400W 1300W 1200W 1100W 1000W 900W 800W 700W 600W 500W 400W 300W 200W 100W

Contour levels: 5 7.5

500 750 1000 1500 2000 3000

LINE: 3500N

COMINCO LTD.

OWL PROPERTY - LINE 3500N

MAGNETOMETER PROFILE

profile scale = 500 gammas/cm

profile base = 57000 gammas

DRAWN BY: ars	DATE: Oct/92
SCOTT GEOPHYSICS LTD.	

L 3500N

1500W 1000W 500W 0