GEOLOGY AND GEOPHYSICAL REPORT ON THE LEDGE PROPERTY

Mt. Hendrix Area

Cariboo Mining Division
NTS 093A/02

By Chris Basil, Vice President
Coast Mountain Geological Ltd.

and

Kirk Hancock, P.Geo., Exploration Manager
Ivory Oils & Minerals Inc.

Table of Contents

List of Figures

List of Appendices

Location

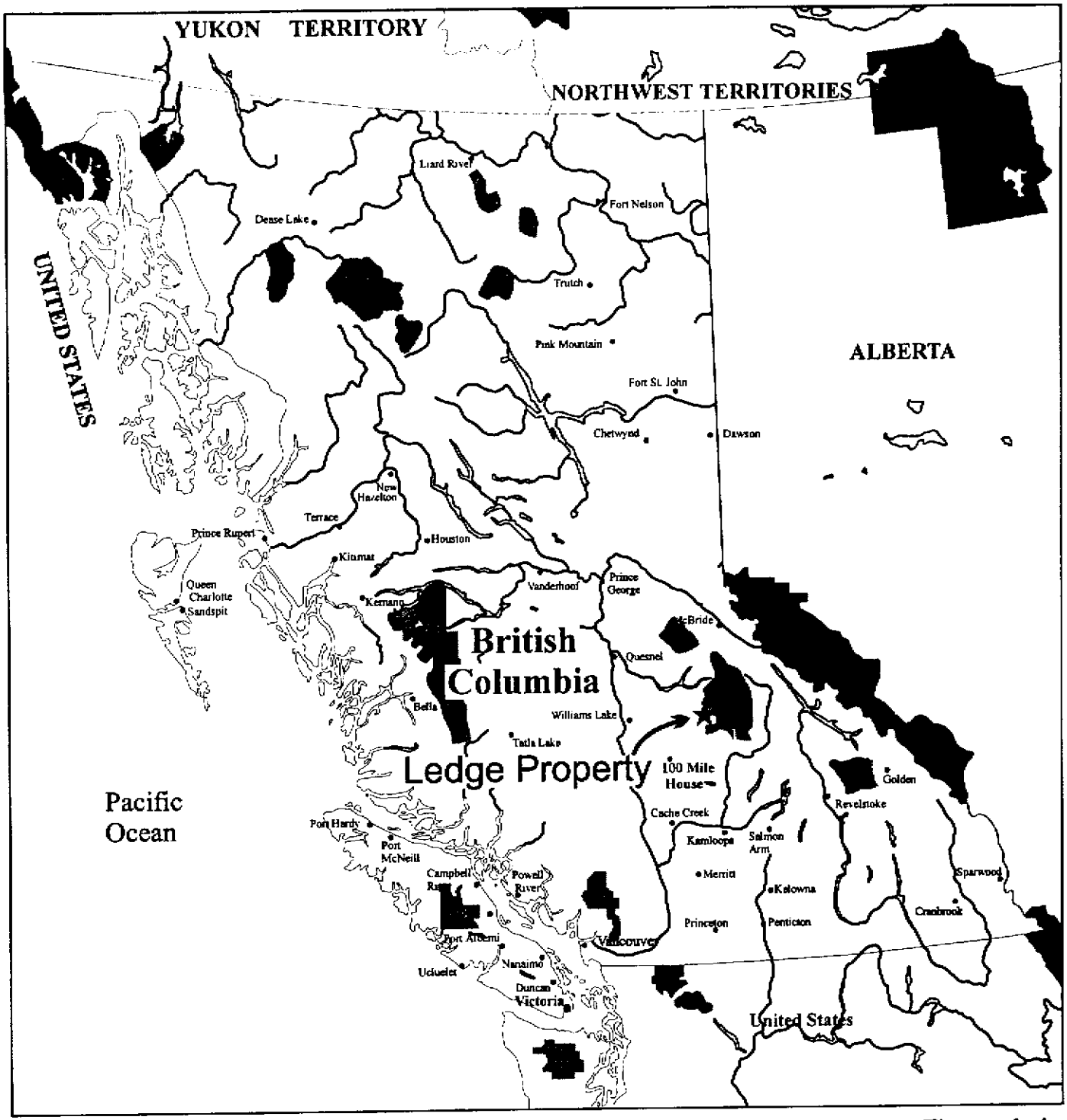
The Ledge property is located 75 kilometres east of 100 Mile House, BC. Access is by paved highway through Forest Grove and Canim Lake to the Eagle Creek bridge then along the Hendrix Lake (6000) logging main for 20 kilometres and finally 7 kilometres along the 6300 road. The property is accessible year round and only the 6300 road needs snow removal in the winter to access the claims. The 6300 road bisects the Ledge 1 claim from west to east and there are two spur roads that fork off to the northeast and southeast corners of the claim. [*see* Figure A-1]

Physiography

The area lies within the Quesnel Highlands physiographic region and is situated in the western part of the Interior Wet Belt bioclimatic zone. Elevations range from 1370 to 1660 metres. Mature spruce, balsam, cedar and pine with abundant alder, willow and buck brush in open areas cover the area. As well, low or flat areas are typically wet to swampy and host thriving Devil's Club stands. Spread through the area are logging patch cuts that are generally filled with young, replanted conifers. These reforested areas have different growth success and some cuts are quite open. Fireweed is abundant in the cut areas and can grow into very dense 'thickets'. The Ledge 1 claim surrounds a large cut that is open for the most part with a small, regrown area and virgin timber around the fringes.

History

Historically, prospecting work in the Hendrix Creek region has been limited due to poor to non-existent access. Prior to the turn of the century, several claims were staked adjacent to Deception Creek several kilometres to the east. This was known as Deception Ledge and work was done on a small lead/silver/gold vein there. There are few records of the work and the property disappeared into obscurity in the early part of this century. Fifteen kilometres to the northwest, the Boss Mountain molybdenum deposit was explored, developed and mined from the 1950's through the 1970's. However, little to no exploration outside of the immediate area of the mine was ever done. It was not until logging worked its way up Hendrix Creek in the late 1970's that the region opened up. Several sets of claims were staked and dropped initially before concerted prospecting efforts began. In the last two decades, the Deception Ledge showings and workings have been staked again and several sets of other showings have been investigated. Prospector David Ridley, owner of the Ledge 1 claim, initially staked the Hen claim groups in the early 1990's, following up on mineralized float. Then, between 1993 and 1996, the Hen claims were drilled and structurally controlled mineralization was identified. Following this drilling, Mr. Ridley did more prospecting and located mineralized material on the Ledge 1 claim. He did line cutting and had a Mag/VLF survey done that identified an exceptionally strong magnetic anomaly. Mr. Ridley optioned the claims to TNR Resources Ltd. and Ivory Oils & Minerals Inc. in October, 1999 and this report summarizes the work done to date.



TNR Resources Ltd.
Ivory Oils & Minerals Inc.

Ledge Property Location

Figure A-1

Claims Status

The Ledge property comprises one MGS claim [Ledge] and four two post claims [Skarn]. The claims are 100% owned by Dave Ridley of Eagle Creek, BC. [Figures A-1 & A-2] They are currently under option to TNR Resources Ltd. and Ivory Oils & Minerals Inc.

Claim	Tenure No.	Date Staked	Expiry Date * Pending approval of this report
Ledge 1	334792	March 25, 1995	March 25, 2006
Skarn 1	363445	June 20, 1998	June 20, 2006
Skarn 2	363444	June 20, 1998	June 20, 2006
Skarn 3	366876	October 24, 1998	October 24, 2006
Skarn 4	366877	October 24, 1998	October 24, 2006

Regional Geology

The area of the Ledge 1 claim is within the Quesnel Trough, a subdivision of the Intermontane Belt. The trough rocks are geologically equivalent to Nicola Belt volcanic rocks to the south. The trough is bounded by terrane boundary faults with the Omineca Belt to the east and the Cache Creek Belt to the west. More locally, the Quesnel Trough has been intruded by the Triassic-Jurassic Takomkane batholith to the west and only the eastern half of the trough geology is left. The Quesnel Trough comprises a basement of marine sediments upon which have been deposited a complex, group of submarine to subaerial volcanic rocks forming the Quesnel arc. The arc rocks have been capped in part by Tertiary volcanic and sedimentary rocks. Finally, Quaternary glaciation has left deep valley fill and moderate to thick till deposits on the lower hill slopes. Within the Hendrix Creek region, the volcanic rocks of the Quesnel Trough are exposed. These rocks generally form large fault bounded blocks with sub-horizontal to moderate dips. Locally these rocks are tilted to steep angles. The volcanic rocks comprise intermediate to basic flows, tuffs, agglomerates and lahar deposits. There are few well developed internal structures as most of the units generally are massive. Pillow lava features are sometimes well developed and a general sense of tops and layering can be estimated. In some places there are intraflow channels or similar features where clastic units have been reworked by fluid (?) flow and show bedding, layering, grading or similar features. The reader is referred to Panteleyev *et al.* (1996) for a comprehensive study of the Quesnel Trough. Terms and names for rock units used in this report are the same as that of Panteleyev *et al.* (1996)

Local Geology

The Ledge property was geologically mapped at a scale of 1:5000 throughout the existing grid and adjacent areas by K. Hancock, P.Geo. from October 20 to 22, 1999

[Figure A-2]. Also, rock descriptions and characteristics are included from property work by D. Ridley [1998]. As part of the project, previous soil samples taken from the Ledge grid were analyzed for gold. Also, several new lines were cut or extended to expand the geophysical surveys [see below] and a number of soil samples were taken and analyzed for gold. The results are tabulated in Appendix 1 and shown on Figure A-3.

Outcrop is poor and restricted to the upper slopes on the northern quarter of the property. These outcrops are small, moss covered bluffs several metres high. The rocks are crowded augite porphyry basalt flows. They are part of unit 2A in the stratigraphy of Panteleyev *et al.* (1996) of the BC Geological Survey. These comprise approximately 50% stubby, 2 to 6 millimetres long pyroxene [augite] crystals in a mass of 1 to 2 millimetre long plagioclase laths. The pyroxene is slightly chloritized and, where hornfelsed, partially altered to hornblende. The rock is medium to dark green on fresh surface and weathers light green with textures best outlined on the weathered surfaces. In a few places, partially filled, elongate vesicles, 1 to 5 millimetres across, are present. Also, in a couple of outcrops, and certainly regionally, pillow forms are distinguishable. This indicates sub-aqueous volcanism.

Interspersed in these northern outcrops are those of black, dense, pyroxene basalt flows. This has a similar character to the augite porphyry basalt flows. The differences include the pyroxene crystal size is on average smaller at 1 to 3 millimetres and comprise about 75% of the rock. The plagioclase is the same. Other workers have described the rock as 'diorite'. However, based on my experience in the Horsefly – Quesnel region, this darker basalt comprises interflows in the larger, crowded augite porphyry basalt flow package.

Also present is a distinctive sub-unit in the augite porphyry. This is an augite porphyry agglomerate. It is comprised of blocks ranging in size from one to >50 centimetres of the augite porphyry in a matrix 'mash' of the same augite and plagioclase crystals. The agglomerate is matrix supported and generally without internal structure. In a few places, some vesicles are present in the matrix of the agglomerate. Even more rare are blocks that show stratification of finer material at the centimetre scale, generally pebble layers 5 to 10 centimetres thick and several metres across. The nature of the agglomerate suggests that the environment of deposition was sub-aqueous and very active. The agglomerate probably represents debris flows mixed with extruding basalt lava.

Alteration and Mineralization

Both the green, crowded augite porphyry basalt and dense, black augite porphyry basalt have been hornfelsed. There is one outcrop of hornfelsed black basalt and only float of hornfelsed green, crowded augite basalt. The hornfels alteration results in the basalt weathering a characteristic rusty-black colour. It is better developed in the black basalt. This weathering is coincident with trace to ~1% sulphide mineralization. The sulphides are fine-grained, 0.25 to 0.5 millimetres in diameter, disseminated blebs, to 10 millimetres across and interstitial to the host basalt. Sulphides present include, in descending abundance, arsenopyrite, chalcopyrite and trace pyrite. Hornfels is found in

the vicinity of the Ledge showing. It is important to note that the Ledge showing is all float. An outcrop [99LKH-009] of similar hornfels is approximately 200 metres northeast. Selected assays of rock samples are listed in Table 1 and full analyses are in Appendix 1.

Table 1: Analyses of rock samples from the Ledge property.

Element	Au	Cu	Pb	Zn	Ag	As
Samples	ppb	ppm	ppm	ppm	ppm	ppm
99LKH-001	787	125	12	60	2	289
99LKH-002	24	108	4	46	<.3	14
99LKH-003	4	94	4	26	0.3	7
99LKH-009	4	72	9	49	<.3	29
99LKH-010	16	108	7	95	<.3	26
99LKH-014	4	52	27	108	0.3	62
99LKH-015	38	156	3	65	<.3	9
99LKH-015 RE	37	153	4	64	<.3	11
99LKH-018	3	10	13	14	<.3	156
Unit 2 average *	7	100	14.1	82	3.3	38

* : From Panteleyev *et al.*, 1996; Appendix M

Scattered about the property are some boulders with thin, often criss-crossing veinlets. These veinlets are generally less than 10 millimetres wide with little to no bleached envelopes. They comprise a marginal phase of calcite, and moving inward, chlorite, some wollastonite and finally occasional red-brown garnet. This assemblage suggests some high temperature fluids penetrated the rock. This is significant, as the regional metamorphism is typically zeolite grade and sometimes up to prehnite-pumpellyite grade. We conclude that these veinlets indicate skarn mineralization in the volcanic rocks.

Magnetometer Survey

In October of 1999 a Total Field magnetic survey was carried out on the Ledge Property in the region of the previously defined (1998) high magnetic anomaly. The purpose of the program was to determine the dimensions of the anomaly and to examine the degree of complexity within the feature. In total, 3.55 line kilometers of survey were conducted. Lines 7400E, 7300E and 7200E extended the 1998 survey to the west and lines 7550E, 7575E, 7650E and 7675E provided detail in-fill of the anomaly. An EDA magnetometer and base station system was utilized for the survey. (Figure G-1)

The 1999 survey verified the intensity of the magnetic anomaly with values up to 20,000nT above background being returned. The western extension of the previous work shows the magnetic anomaly pinches off by Line 7200E. The in-fill lines, together with the previous survey results in the core of the feature, delineate a complex high magnetics zone. This zone is characterized by several discreet extreme magnetic highs (up to 78,000

nT) enclosed within a high magnetic background in the order of 65,000 nT. The intense response within this anomaly points to the presence of pods or beds of remnant magnetism. A magnetite skarn is a plausible model in this geologic terrain.

Max-Min EM Survey

In November of 1999 a Max-Min II EM system was utilized to survey portions of the Ledge Grid where previous work had delineated VLF-EM anomalies. The survey was performed with a coil separation of 100 meters and the transmitting frequencies of 222, 888, 1777 and 3555 hz. In total, 7.1 line kilometers of survey ware performed. (Figures G-2a, G-2b, G-3a and G-3b)

No strong or clear conductivity anomalies were delineated by this survey. There were, however, some weak indications of conductors evident in the quadrature component data. These may be of interest if there is some other evidence (geochem, showings, geological models etc.) to support them. Specifically:

1. 7300E/4750N - 7500E/4750N - 7550E/4700N - 7675E/4725N
2. 7300E/4525N - 7500E/4500N - 7550E/4500N - 7600E/4475N
3. 7300E/5250N - 7500E/5150N - 7700E/5125N - 7900E/5075N - ??
   8300E/5025N - 8500E/4950N

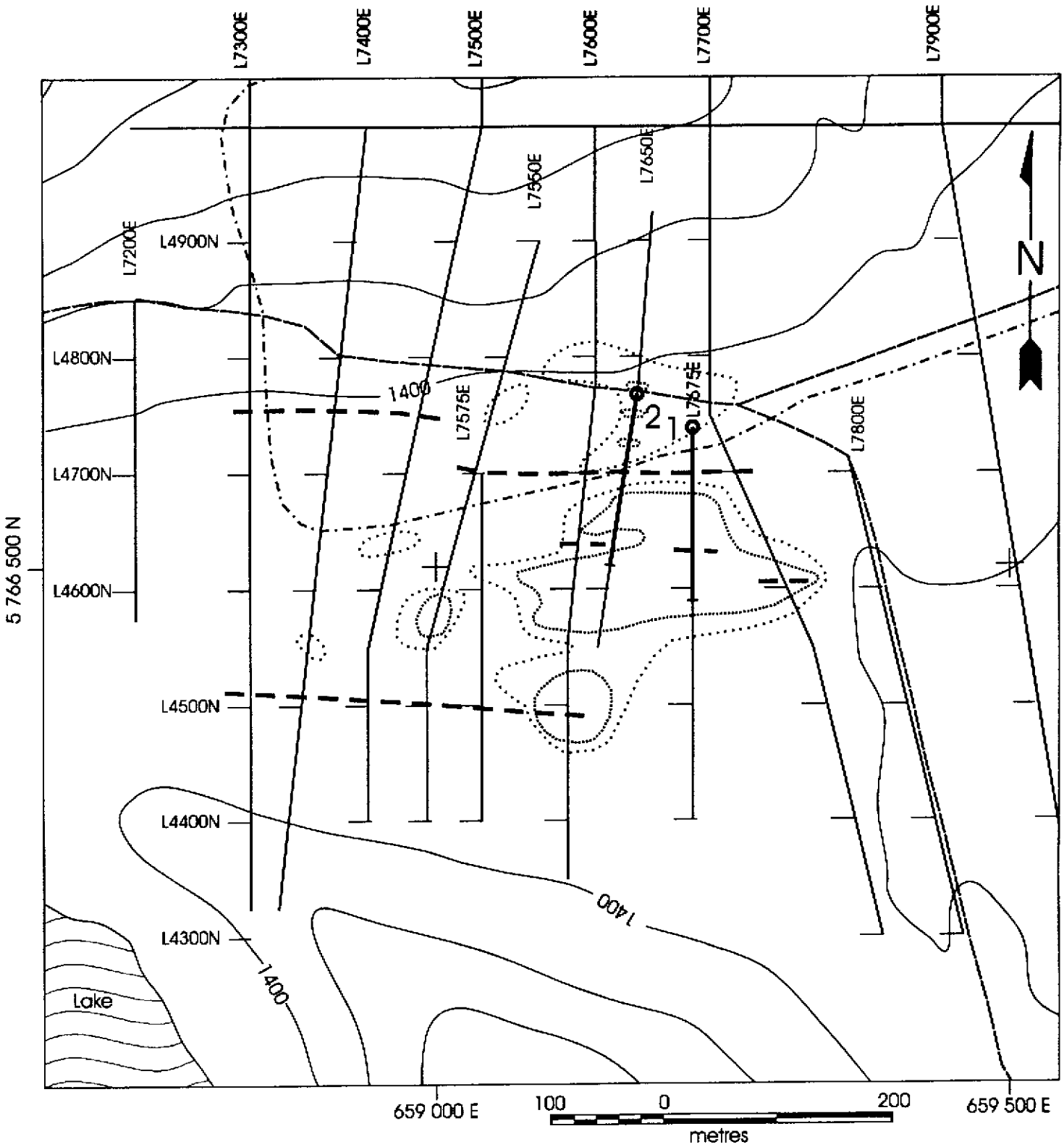
There are weak quadrature anomalies evident on the tie lines as well. These appear to correlate with the results generated on the regular grid, however, are distorted due to the strike.

Drilling Program

A two-hole drill program was executed between December 14 and 21 to test the magnetic anomaly detected on the Ledge property. The area has no surface outcrop and a geological model of a magnetite skarn with a possible annulus of sulphide mineralization was postulated. The program was designed to approach the model body from the surrounding, low magnetic response rock into the high magnetic response core. Based on the presence of hornfels, skarn alteration and sulphide mineralization in float and outcrop, it was anticipated that mineralization would be intersected at or near the sharp rise in magnetic response. See Figure A-4 for layout of drill holes and magnetic contours. Both holes were drilled along cut lines to facilitate accurate orientation and control due to the presence of strong magnetic effects on standard compasses. This also was done to correlate the core results with the surface magnetic measurements. The results of the drill holes are summarized below, the drill sections are in Figures A-5 and A-6 and the drill and assay logs are included in Appendices 2 and 3 respectively.

Drill-Hole Geology

The drill holes intersected various sub-units of pyroxene basalt as well as variable degrees of alteration and only trace mineralization. The most abundant unit was a black,



Drill Hole

Magnetic Contour 68,000 nT

Magnetic Contour 70,000 nT

MaxMin Quadrature Response

Road

Contour [20m]

Cut Line L7500E

Logging Cut Outline

TNR Resources Ltd.
Ivory Oils & Minerals Inc.

Ledge Project
Drill Hole Locations

Figure A-4

massive, very fine-grained basalt. On fresh surface this unit sometimes exhibited a modest sheen, similar to that of phyllite. It showed no internal structure with only some scattered zones of brecciation. In places the breccia fragments were up to a few centimetres in diameter of the same basalt. These could be auto breccia or flow breccia formed during emplacement of the basalt. The matrix of the breccia is almost identical to the host basalt. Drilling also intersected a small amount of basalt similar to this but is dark to medium green in colour. The second most abundant unit intersected in drilling was crowded augite porphyry basalt. This material is the same as the crowded augite porphyry basalt seen in outcrop. This unit is dark to medium green, massive and uniform. The pyroxene grains are evenly distributed, 1 to 5 millimetres in diameter and make up 10 to 15% of the rock with local concentrations to 50%. The white feldspar grains seen in outcrop are not obvious in core.

Intruded into the basalt package are a series of narrow granitic and monzonitic dykes. The granitic dykes are generally fine to medium grained, pink contain <5% mafic minerals [biotite and hornblende], and have sharp, sometimes irregular, contacts. They are typically less than 1 metre in width with one interval of 15.5 metres. Also, there are a series of thin, aplite dykes that are probably the same material. These aplite dykes are devoid of mafic minerals and medium to coarse grained with scattered pink feldspar megacrysts. [>1 cm]. All the granitic/aplite dykes have a distinct glassy look. The monzonite [granodiorite?] dykes are a distinct suite. They are grey, fine to medium grained with 5 to 10% mafic minerals [hornblende and biotite] and have sharp contacts. They often have a prominent salt and pepper look with grey quartz and white feldspar. These dykes are usually less than 50 centimetres wide with one interval of 6.1 metres.

Drill-Hole Alteration

In general, alteration of the basalt is weak to moderate. The alteration style is dominated by fine-grained hornfels. This is present throughout the whole of the drill core. It is moderately developed in the fine-grained basalt and gives the rock a modest sheen on fresh surface. Where less developed, the basalt appears as crowded augite porphyry basalt. The alteration boundaries are indistinct and quite possibly the black basalt is simply more recrystallized than the augite porphyry. Weak chloritization is present throughout the core as well. Chloritization is more strongly developed where garnet-quartz alteration [described below] is present. There, knots of light to medium green chlorite, up to 1 centimetre in diameter, form up to 10% of the rock.

Skarn alteration is only weakly developed in the core. It is present in zones of irregularly, scattered blebs up to 1 centimetre in diameter. It is also present as thin veinlets, <1 centimetre wide, typically 1 to 5 millimetres and a few up to 50 centimetres wide. The skarn is comprised of garnet and quartz with rare epidote and wollastonite, sometimes with chlorite envelopes half the width of the veinlet or bleb. There is a rough association of skarn and dykes. The skarn alteration may develop on one or both sides of a dyke and grade from strong to weak, away from the dyke. Asymmetric development of skarn alteration is not systematic in terms of preferred side, intrusion type or size of dyke. In some places the skarn alteration is vuggy, typically comprising 10% void space of 1 to 2 millimetre diameter irregular, interconnected vugs. Sometimes associated with blebby

skarn development are white 'knots' of feldspar, typically <5 millimetres in diameter, often with thin rinds of chlorite. These blebs are distinctive but uncommon.

Spread throughout the core are narrow calcite or quartz calcite veinlets. These are frequently open in their cores and have no alteration envelopes. On the adjacent HEN claims, these type of veins carry some gold mineralization. Selected sampling of several veins in Ledge core yielded no metals values.

Drill-Hole Mineralization

There was little mineralization intersected in drill core. No magnetite body or sulphide zone was intersected. The drilling results do not explain the strong magnetic anomaly an it is probable that the drilling missed the source. Rare, scattered grains of magnetite, <3 millimetres, have been found in association with stronger skarn alteration. Scattered disseminations of sulphides, pyrite, rare chalcopyrite and possibly bornite, are associated with skarn alteration as well. The sulphide grains are <1 millimetre in size and barely visible. Assay results indicate no correlation of copper or gold mineralization. Most trace metal levels are near the regional average values of Unit 2 [Panteleyev *et al.*, 1996] with moderately anomalous values associated with some of the stronger skarn alteration.

Discussion and Recommendations

Over all, the geological and drilling programs were unsuccessful in identifying significant mineralization. The property is underlain by a thick package of augite phyrric basalt. Hornfels alteration is ubiquitous and widespread. Skarn mineralization seems to be more restricted and poorly developed. The arsenopyrite mineralization seen at surface was not duplicated in drill core. Drilling also failed to explain the strong magnetic anomaly on the property. This is significant as the rocks drilled in core are the same as those seen on surface to the north. However the magnetic response in the anomaly is so much higher than that in the surrounding rock that the rock in core is not enough to explain the anomaly. Thus we conclude that the drilling missed the source entirely.

In consideration of the results to date we recommend the following work. First, all the core should be analyzed for magnetic susceptibility and the results correlated with the surface response. Then we suggest a reconnaisance IP survey over four or five lines covering the Ledge showing and the magnetic anomaly. Based on the results there follow up with more detailed infill IP and another small drill program.

STATEMENT OF COSTS

Phase One: Geophysics, Sampling, Geology

Personnel:			
Kirk Hancock, P.Geo.	8 days @ $300/day	$ 2,400.00	
Chris Basil, Operator	14 days @ $325/day	$ 4,550.00	
Bernard Dewonck, P.Geo.	2 days @ $400/day	$ 800.00	
Dave Ridley, Geotech.	9 days @ $230/day	$ 2,070.00	
			$ 9,820.00
Expenditures:			
Truck Rental		$ 805.00	
Gas		$ 546.66	
Food/Accommodation .		$ 886.13	
Soil/Rock Analysis		$ 1,730.06	
Geophysical Equipment Rental		$ 1,863.00	
Data Reduction/Plots		$ 1,190.40	
Field Supplies		$ 95.73	
			$ 7,094.25

Phase 2: Drilling

Personnel:			
Kirk Hancock, P.Geo.	12.5 days @ $300/day	$ 3,750.00	
Chris Basil, Tech	3 days @ 325/day	$ 975.00	
Dave Ridley, Tech	11.5 days @ 230/day	$ 2,645.00	
			$ 7,370.00
Expenditures:			
Drilling		$31,287.00	
Food/Accommodation		$ 582.01	
Truck Rental		$ 725.00	
Supplies		$ 606.92	
Sample Analysis		$ 1,530.75	
			$34,731.68
	Subtotal		$59,015.93
	GST		$ 4,131.12
	TOTAL		**$63,147.05**

STATEMENT OF QUALIFICATIONS

I, CHRISTOPHER MARK BASIL, of 2117 Graveley Street, Vancouver British Columbia, DO HEREBY CERTIFY that:

1) That I have been employed by Coast Mountain Geological Ltd. since 1988 as a Geophysical Operator and Project Manager.
2) That I majored in Physics at McGill University, Montreal Quebec from 1977 to 1981.
3) That I completed the Advanced Prospecting Course through Malaspina College.
4) That I have been practicing my profession of mineral exploration consultant and geophysical operator for 18 years.
5) That the information, conclusions and recommendations contained in this report are based on personal work on the property during 1999, and a review of pertinent literature.

Dated at Vancouver, British Columbia this 31st day of March, 2000.

Christopher Basil
Vice President, Coast Mountain Geological Ltd.

Statement of Qualifications

I, Kirk Douglas Hancock, certify the following:

1. I am a professional geologist residing in Victoria, British Columbia.

2. I am a registered member in good standing with the Association of Professional Engineers and Geoscientists of British Columbia.

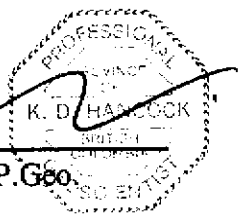
3. I am a graduate of the University of British Columbia with a Bachelor of Science (B.Sc.) degree in geology, 1987.

4. I have been practicing geology continuously since my graduation from university in 1987.

5. This report is based on my own examination of the property and supervision of the drilling program as well as information gained from published papers and assessment reports.

6. Ivory Oils & Minerals Inc. contracts me as their Exploration Manager and on site geologist.

Dated at Vancouver, British Columbia this 25 day of ~~March~~ May, 2000.



Kirk D. Hancock, P.Geo.

References

Panteleyev, A., Bailey, D.G., Bloodgood, M.A. and Hancock, K.D. [1996]: Geology and Mineral Deposits of the Quesnel River – Horsefly Map Area, Central Quesnel Trough, British Columbia; *BC Ministry of Employment and Investment, BC Geological Survey Branch*, Bulletin 97, 156 pages plus map.

Ridley, D.W. [1988]: Geological, Geochemical and Geophysical report on the Hen Project; *BC Ministry of Employment and Investment, Prospectors Assistance Program*, Report, 24 pages plus maps.

Appendix 1

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Coast Mountain Geological Ltd. PROJECT LEDGE File # 9904155

P.O. Box 11604, 1680 - 65, Vancouver BC V6B 4N9 Submitted by: Chris Basil

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
99LKH-001	4	125	12	60	2.0	20	15	448	3.49	289	<8	<2	2	163	1.0	17	<3	72	2.40	.173	9	12	.32	61	.13	<3	.80	.27	.22	3	787
99LKH-002	6	108	4	46	<.3	7	10	583	3.07	14	<8	<2	2	564	1.1	6	<3	197	4.02	.213	7	13	.64	247	.19	6	3.14	.42	.71	2	24
99LKH-003	1	94	4	26	.3	12	11	289	2.41	7	<8	<2	6	338	.5	7	<3	118	2.34	.149	7	24	.62	199	.12	13	1.84	.19	.33	<2	4
99LKH-009	1	72	9	49	<.3	16	17	695	3.75	29	<8	<2	<2	41	1.4	11	<3	151	2.20	.226	4	16	1.05	71	.14	17	1.68	.18	.32	2	4
99LKH-010	1	108	7	95	<.3	19	22	725	4.46	26	<8	<2	<2	87	1.0	8	<3	163	1.92	.182	6	22	1.14	127	.22	<3	2.15	.34	1.23	<2	16
99LKH-014	2	52	27	108	.3	14	24	344	3.66	62	<8	<2	<2	87	4.4	14	<3	155	1.44	.168	5	27	.66	111	.16	3	1.57	.44	.52	2	4
99LKH-015	<1	156	3	65	<.3	13	17	603	4.64	9	<8	<2	2	49	1.0	6	<3	259	.94	.228	7	12	1.37	243	.28	<3	1.72	.12	1.36	<2	38
RE 99LKH-015	<1	153	4	64	<.3	12	16	593	4.56	11	<8	<2	3	49	.9	7	3	253	.93	.224	7	13	1.35	239	.28	<3	1.69	.12	1.34	<2	37
99LKH-018	1	10	13	14	<.3	7	2	940	3.12	156	<8	<2	<2	41	.8	10	<3	103	4.66	.144	1	20	.07	31	.08	3	1.16	.33	.06	13	3
STANDARD C3/AU-R	27	66	37	172	5.9	37	12	783	3.37	56	22	2	22	31	25.3	18	27	80	.57	.095	18	176	.59	158	.09	19	1.94	.04	.18	19	542
STANDARD G-2	2	4	4	44	<.3	8	4	545	2.08	<2	<8	<2	5	77	.5	4	<3	41	.67	.102	8	80	.59	237	.13	<3	.99	.08	.50	2	<1

GROUP 10 - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* GROUP 3A - 10.00 GM SAMPLE, AQUA-REGIA,MIBK EXTRACT, ANALYSIS BY GF/AA.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 26 1999 DATE REPORT MAILED: Nov 2/99 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Date N/A

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Coast Mountain Geological Ltd. PROJECT LEDGE File # 9904156

P.O. Box 11604, 1680 - 65, Vancouver BC V6B 4N9 Submitted by: Chris Basil

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L.S. L73E 54N	1	35	6	118	<.3	28	14	342	3.79	14	<8	<2	2	28	.6	<3	<3	117	.37	.071	5	58	.97	94	.21	<3	2.29	.02	.09	<2	4
L.S. L73E 53+50N	2	81	10	150	.3	43	40	878	4.11	10	<8	<2	<2	41	1.0	<3	<3	130	.49	.110	11	64	1.08	102	.19	<3	3.21	.02	.15	<2	2
L.S. L73E 53N	1	83	13	182	<.3	61	22	705	4.50	24	<8	<2	<2	41	.9	<3	<3	155	.54	.120	6	100	1.66	151	.21	<3	2.74	.03	.46	<2	7
L.S. L73E 52+50N	1	62	10	195	<.3	40	23	1337	4.46	13	<8	<2	<2	34	1.4	<3	<3	137	.46	.173	6	69	1.28	159	.18	<3	2.76	.02	.22	<2	2
L.S. L73E 52N	2	47	6	114	<.3	34	17	616	3.73	17	<8	<2	<2	19	.5	<3	3	113	.28	.088	5	63	.93	208	.15	<3	1.90	.02	.11	<2	6
L.S. L73E 51+50N	<1	111	5	111	<.3	37	29	541	5.60	20	<8	<2	2	93	.6	<3	<3	172	.33	.127	5	111	1.74	322	.34	<3	3.57	.02	.31	<2	<1
L.S. L73E 51N	1	25	9	107	<.3	23	13	419	3.70	9	<8	<2	<2	22	.5	<3	3	101	.26	.144	4	60	.79	129	.21	<3	1.87	.02	.10	<2	6
L.S. L73E 50+50N	1	21	8	78	<.3	12	7	365	3.95	4	<8	<2	<2	27	.3	<3	<3	125	.42	.181	4	39	.93	182	.23	<3	1.66	.03	.24	<2	1
L.S. L73E BL 50N	1	64	7	85	<.3	39	19	360	4.75	6	<8	<2	<2	35	.5	<3	<3	137	.44	.159	6	85	1.38	263	.23	<3	2.22	.02	.31	<2	1
L.S. L73E 49+50N	1	28	4	62	<.3	32	10	242	3.14	5	<8	<2	<2	27	.5	3	<3	90	.33	.167	4	77	.79	112	.15	<3	1.73	.02	.11	<2	2
L.S. L73E 49N	1	37	4	74	<.3	38	13	503	3.57	10	<8	<2	<2	36	.6	<3	<3	108	.38	.101	5	78	1.07	199	.17	<3	1.89	.02	.15	<2	3
RE L.S. L73E 49N	1	37	5	73	<.3	37	13	504	3.54	12	<8	<2	<2	36	.6	5	<3	107	.37	.099	5	77	1.05	197	.17	<3	1.88	.02	.15	<2	12
L.S. L73E 48+50N	1	46	3	99	<.3	46	17	592	3.89	11	<8	<2	<2	30	.7	<3	<3	109	.45	.117	6	84	1.22	168	.16	<3	2.35	.02	.15	<2	2
L.S. L73E 48N	1	75	3	92	.5	167	25	391	4.43	6	<8	<2	<2	34	.9	<3	<3	103	.46	.114	4	253	2.30	175	.18	<3	3.08	.02	.22	<2	3
L.S. L73E 47+50N	1	50	5	56	.5	43	13	368	2.69	9	<8	<2	<2	34	.7	<3	<3	76	.37	.059	6	61	.70	129	.11	<3	1.86	.02	.17	<2	1
L.S. L73E 47N	1	84	5	96	<.3	82	24	798	4.32	13	<8	<2	2	48	.9	3	<3	131	.55	.059	9	129	1.75	186	.19	<3	2.90	.02	.40	<2	3
L.S. L73E 46+50N	2	126	7	127	.4	110	29	960	5.35	21	<8	<2	2	52	1.3	5	<3	149	.54	.066	10	164	1.89	241	.18	<3	3.69	.02	.42	<2	2
STANDARD C3/AU-S	26	63	33	166	5.3	36	12	748	3.22	59	23	3	21	29	24.4	19	25	79	.56	.090	17	172	.57	148	.09	18	1.85	.04	.16	16	52
STANDARD G-2	2	3	<3	42	<.3	7	4	508	1.96	<2	<8	<2	4	69	<.2	<3	<3	40	.63	.094	7	75	.56	217	.12	<3	.91	.07	.46	2	<1

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: SOIL AU* GROUP 3A - 10.00 GM SAMPLE, AQUA-REGIA,MIBK EXTRACT, ANALYSIS BY GF/AA.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 26 1999 DATE REPORT MAILED: Nov 4/99 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 1 FA

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Coast Mountain Geological Ltd. PROJECT LEDGE File # 9904159

P.O. Box 11604, 1680 - 65, Vancouver BC V6B 4N9 Submitted by: Chris Basil

SAMPLE#	Au* ppb
H L58E 50+00N	4
H L58E 49+50N	6
H L58E 49+00N	3
H L58E 48+50N	2
H L58E 48+00N	8
H L60E 55+00N	1
H L60E 54+50N	2
H L60E 54+00N	1
H L60E 53+50N	1
H L60E 53+00N	3
H L60E 52+50N	2
H L60E 52+00N	4
H L60E 51+50N	1
H L60E 51+00N	2
H L60E 50+50N	<1
RE H L60E 50+50N	<1
H L60E 50+00N	2
H L60E 49+50N	10
H L60E 49+00N	14
H L60E 48+50N	4
H L60E 48+00N	3
H L65E 55+00N	2
H L65E 54+50N	2
H L65E 54+00N	2
H L65E 53+89N	1
H L65E 53+50N	2
H L65E 53+00N	2
H L65E 52+50N	2
H L65E 52+00N	2
H L65E 51+50N	8
H L65E 51+00N	6
H L65E 50+50N	3
H L65E 50+00N	3
H L65E 49+50N	4
H L65E 49+00N	18
STANDARD AU-S	54

- SAMPLE TYPE: SOIL PULP AU* GROUP 3A - 10.00 GM SAMPLE, AQUA-REGIA MIBK EXTRACT, ANALYSIS BY GF/AA.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 26 1999 DATE REPORT MAILED: Nov 1/99 SIGNED BY. J.D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data L FA

SAMPLE#	Au* ppb
H L65E 48+50N	4
H L65E 48+00N	3
H L75E 54+00N	2
H L75E 53+50N	6
H L75E 53+00N	3
H L75E 52+50N	5
H L75E 52+00N	5
H L75E 51+50N	1
H L75E 51+00N	1
H L75E 50+50N	3
H L75E 50+00N	3
H L75E 49+50N	3
H L75E 49+00N	1
RE H L75E 49+00N	1
H L75E 48+50N	2
H L75E 48+00N	10
H L75E 47+50N	4
H L75E 47+00N	2
H L84E 53+00N	20
H L84E 52+50N	16
H L84E 52+00N	9
H L84E 51+66N	10
H L84E 51+25N	120
H L84E 51+00N	20
H L84E 50+75N	38
H L84E 50+50N	12
H L84E 50+00N	25
H L84E 49+50N	17
H L84E 49+00N	9
STANDARD AU-S	56

Sample type: SOIL PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	Au* ppb
H L79E 54+00N	<1
H L79E 53+50N	<1
H L79E 53+00N	4
H L79E 52+50N	22
H L79E 52+00N	5
H L79E 51+50N	5
H L79E 51+00N	4
H L79E 50+50N	3
H L79E 50+00N BL	3
H L79E 49+00N	<1
H L79E 48+00N	9
H L79E 47+00N	2
H L79E 46+00N	4
H L79E 45+00N	2
H L79E 44+00N	6
H L79E 43+00N	<1
H L81E 54+00N	3
H L81E 53+50N	1
H L81E 53+00N	4
H L81E 52+50N	4
RE H L81E 52+50N	7
H L81E 52+00N	6
H L81E 51+50N	38
H L81E 51+00N	5
H L81E 50+50N	7
H L81E 50+00N BL	1
H L81E 49+00N	4
H L81E 48+00N	<1
H L81E 47+00N	2
H L81E 46+00N	2
H L81E 45+00N	1
H L82E 54+00N	<1
H L82E 53+50N	1
H L82E 53+00N	2
H L82E 52+50N	5
STANDARD AU-S	50

Sample type: SOIL PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data d FA ___

SAMPLE#	Au* ppb
H L82E 52+00N	4
H L82E 51+50N	4
H L82E 51+00N	47
H L82E 50+50N	7
H L82E 50+00N BL	9
H L82E 49+50N	3
H L82E 49+00N	8
H L83E 54+00N	3
H L83E 53+50N	2
H L83E 53+00N	2
H L83E 52+50N	5
RE H L83E 52+50N	6
H L83E 52+00N	29
H L83E 51+50N	5
H L83E 51+00N	4
H L83E 50+50N	6
H L83E 50+00N BL	5
H L83E 49+50N	15
H L83E 49+00N	20
STANDARD AU-S	51

Sample type: SOIL PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	Au* ppb
H L75E 44+25N	6
H L75E 44+00N	2
H L75E 43+00N	1
H L77E 54+00N	<1
H L77E 53+50N	1
H L77E 53+00N	3
H L77E 52+50N	3
H L77E 52+00N	3
H L77E 51+50N	3
H L77E 51+00N	3
H L77E 50+50N	1
RE H L77E 50+50N	15
H L77E 50+00N	5
H L77E 49+00N	3
H L77E 48+00N	2
H L77E 47+00N	1
H L77E 46+00N	2
H L77E 45+00N	11
H L77E 44+00N	8
H L77E 43+00N	6
H L79E 49+50N	3
H L79E 48+50N	3
H L81E 49+50N	6
H L81E 48+50N	4
H L82E 48+50N	4
H L82E 48+00N	30
H L83E 48+50N	12
H L83E 48+00N	7
H L83E 47+50N	5
H L84E 54+00N	<1
H L84E 53+50N	4
H L84E 48+50N	3
H L84E 48+00N	9
H L85E 54+00N	6
H L85E 53+50N	24
STANDARD AU-S	55

Sample type: SOIL PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Au* ppb
H L85E 53+00N	5
H L85E 52+50N	9
H L85E 52+00N	5
H L85E 51+50N	8
H L85E 51+00N	12
H L85E 50+50N	5
H L85E 50+00N	2
H L85E 49+50N	8
H L85E 49+00N	3
H L85E 48+50N	4
H L85E 48+00N	3
H L86E 54+00N	3
H L86E 53+50N	2
H L86E 53+00N	3
H L86E 52+50N	2
RE H L86E 52+50N	4
H L86E 52+00N	3
H L86E 51+50N	5
H L86E 51+00N	5
H L86E 50+50N	4
H L86E 50+00N	2
H L86E 49+50N	3
H L86E 49+00N	4
H L86E 48+50N	4
H L86E 48+25N	1
H L86E 47+50N	<1
STANDARD AU-S	54

Sample type: SOIL PULP. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

Appendix 2

TNR Resources Ltd - Ivory Oils and Minerals Inc.
Ledge Project - Diamond Drill log

Hole number:	DDH 99-01
Location:	47675E 4750N
Bearing:	182°
Inclination:	-45° / EOH acid test -46°
Total Depth:	707' / 215.6m
Collar Elevation:	
Core size:	NQ

Date started:	Dec 15 1999
Date finished	Dec 17 1999
Logged by:	K. Hancock

depth (feet)	depth (metres)	recovery	graphic	Lithology	Alteration	Sample#	Au ppb	Cu ppm	Pb ppm	Zn ppm	As ppm
0	0		not to scale	Overburden							
52	15.9										
52				vfg black basalt w pale wht	c62'+63' +66' ~5-10cm pale QZ·GA flood assoc w fractures	88001	32.1	13	19	45	3
				blebs + blocks typ < 1cm ϕ. Many have	69½'→71' - frac zone - BSLT crushed	88002	6.6	4	5	10	4
				QZ core + GA(red) + CH rims. <½%	71'→88' grades 3" into buff-gn	88003	22.0	9	9	15	8
				88-91' broken bslt + FeOx coatings (weak)	QZ-GA skn ~80% flood/perv.	88005	9.1	18	13	37	7
					98'→112' again grades into QZ-GA SKN	88006	19.2	4	5	13	5
			Δ SKN Δ	BSLT - weak to mod magnetic SKN - grades in and out ~20% each side weakest	pervasive, voids dissol^n holes <1mm, ~5% (no CT)	88007	16.8	4	7	6	10
				SKN - non-magnetic	112'→120 weak perv. skn	88008	18.6	9	20	23	7
			Δ SKN Δ	136'-138' breccia of above bslt	128'→136' mod, perv, skn. voids ½mm, <½%	88009	8.2	19	20	40	8
				but med-dk gn. - matrix = [illegible] prob BSLT	has crackle text (cm scale)	88010	10.4	53	10	48	4
				140-142 - same breccia text.		88011	7.4	8	10	13	2
				? flow autobrx?		88012	42.2 (10.6)	80	11	32	9
155	47.3			Change in texture → med-dk gn matrix	- mod-intense loss of textures						
				pxene xtals to 1mm, Plag(?)[wht] to 2mm 50% xtals	to black basalt at top of hole w wht blebs or massive w no texture						
				has look of crowded augite basalt - massive	irregular distribution - few 10's of cm						
					to a few metres. gradational						
				weak → mod. magnetic	boundaries. Prob a variable hornfels.						
				This persists through to INTR contact @ 283'							

rill hole: DDH-99-01 → Ledge

depth (feet)	depth (metres)	recovery	not to scale graphic	Lithology	Alteration	Sample#	Au	Cu	Pb	Zn	As
			✓ ✓	Crinoidal amyg. basalt (pale [illegible])	206' – QZ ± CT [illegible] 1mm to 1cm						
				218' – 10cm of poor flowbanding ē augite xtals + matrix 35° core axis ∡							
			35°		The more brecciated parts shows						
			30°	214½' 3m wide shear – chloritized	small (<2cm) irreg blebs of QZ-GA						
					236.2 – 236.8' – GA skn pink/tan	88013	12.7	28	5	21	12
					massive ē sharp contacts → fine-grained ē some breccia texture.						
				244.8 – 245' narrow shear in garnet	244.4'–245.3'	88014	5.2	160	9	45	11
					247.5' 1.5cm Garnet skarn veinlet						
					252½ – 256' – GA skn veinlets						
					along core 2-3mm wide ē 3mm CH selvages	88015	6.3	96	<3	43	7
					Includes some QZ±CT veinlets						
			sharp								
283'				INTRUSION – massive	margins chilled and fine to [illegible]						
				pink-tan med-fine grained	[illegible]						
				glassy look – QZ rich (>30%), FS is	[illegible]						
				pale pink to clear – ~½% diss blk blebs							
				→ changes to more pink FS and med grained							
				1-2% greenish/blk HBLD (+?BIOT) chloritized							
				Prob Granite [QZ-SYEN] non-magnetic							
334'			sharp	or Leuco granite							
				Black aphanitic to vfg basalt	mottled – blebby garnet-CH	88016	3.9	133	4	59	3
					skarn ± 5-10% [illegible]	88017	6.8	149	<3	58	5
					[illegible] Ex-chloritized [illegible]	88018	4.2	101	4	51	<2
					[illegible] ± 357'	88019	8.2	132	3	48	2
357'						88020	6.7	134	<3	59	3
				black vfg basalt							
				[illegible]							

Drill hole: DDH99-01 Ledge

depth feet	depth metres	recovery	graphic	Lithology	Alteration	Sample#	Au	Cu	Pb	Zn	As
				black vfg Basalt	chloritized - weak						
					may be partly hornfelsed						
370				basalt vfg [illegible]	Skarn blebs + whisps	88021	11.7	146	5	68	5
					370-389 <10%	88022	5.6	130	<3	61	7
					no sx seen						
						88023	4.1	147	4	62	8
						88024	2.2	139	6	58	8
389											
				Black vfg Basalt	hornfelsed - weak ± chloritized						
118				Black Bslt vfg w	skarn blebs + whisps	88025	10.6	114	5	46	5
				scattered white ?FS blebs	no sx seen <10%	88026	5.3	89	6	59	3
127				<5%, <1cm							
				432½-6½ - aplite dykelet 38° ∡							
37				black basalt vfg	skarn blebs <5% / hornfelsed weak + chloritized	88027	11.4	134	<3	63	5
					no sx seen						
40											
				Black vfg/aphan basalt w	chloritized + hornfelsed - weak						
				rare QZ veinlets + trace CT ? gash fill ~1cm							
				wide + < core width.	no sx seen.						
150½											
		23° ∡		Leucogranite dyke - pink, red-							
53½				coarse grained, [illegible]							
		[illegible]		2 cm, ~ 3% mafics							
				black vfg basalt	[illegible] + chlorite - weak	88028	6.2	102	6	43	6
156					Scattered skarn blebs for 3'						

rill hole: DDH 99-01 Ledge

depth feet	depth metres	recovery	graphic	Lithology	Alteration	Sample#	Au	Cu	Pb	Zn	As
156				black vfg basalt.	hornfels + chlorite weak	88029	1.5	114	8	49	4
158					QZ-CT veinlets + crackle						
				black vfg basalt	brxx - vuggy ~ 10%, <1cm						
160				Aplite dyke							
160.2		35° ∡		Black vfg basalt	hornfels + chlorite weak						
166				Black vfg basalt	several 1-2mm QZ + CT veinlets	88030	2.8	79	6	43	4
167					no sx seen						
					hornfels + chlorite weak.						
178.2		irreg ∡		Leuco-granite dyke							
180		075° ∡									
				Black vfg basalt	hornfels + chlor. weak.	88031	2.7	133	<3	61	9
					Mottled <10% <2cm GA-QZ	[illegible]	4.0	135	6	39	9
					Skarn ± 2nd Pxene blebs						
					stronger below dyke and grading						
					down to ± 3-5%						
199.8						[illegible]	1.9	128	3	62	4
		35° ∡		Dyke - fine-grained, granitic ō scattered large							
501'		35° ∡		pink K-spar, [illegible] mafics HB: Bi)							
				Black vfg-aphan. basalt	hornfels + chlor. weak-mod						
		55° ∡		512' + 511½' <1cm QZ CT veinlets							
518'											
				Similar basalt but with a slight fragmental	weak-mod chlorite + mottled skarn						
				look, 1-2mm fragments of basalt	blebs + [illegible] [illegible]						
					[illegible] fragments ~10%						

Drill hole: DDH-9[illegible]

depth feet	depth metres	recovery	graphic	Lithology	Alteration	Sample#	Au	Cu	Pb	Zn	As
24.8				Same/similar basalt as above	QZ ±CT veining [illegible]	[illegible]4	4.4	124	<3	49	9
		18° ∡			Skarn interval @ 527' (2")						
30.1					529.2' QZ±CT irreg vein - sheared						
				Dyke: Grey-Pink - med. grained, ~5-10% mafics							
32.1				looks like monzonite (granitic maybe)							
				Black vfg basalt	hornfels ± chlorite weak						
					Mottled skarn blebs to 2cm, irreg.						
					distribution [representative sample]	[illegible]	1.5	124	<3	60	8
57											
				Black vfg basalt	hornfels - weak						
				occasional 1-2' sections that have	scattered mottled chloritic blebs						
				a vague fine-[illegible] fragmental look	with occasional trace of GA ± QZ						
582'		55° ∡		dyke: Granodiorite ~ 2" wide							
602'		52° ∡		dyke: Granodiorite ~3" wide							
608-609					skarn blebs <10% <2cm.						
				Black basalt as above	↓						
640.2		25° ∡		dyke - med grained pink granite							
64[illegible]3		30° ∡		3-5% mafics HB (± BI?)							

Drill hole: DDH99-01 Ledge

depth feet	depth metres	recovery	graphic	Lithology	Alteration	Sample#	Au	Cu	Pb	Zn	As
693'				black vfg basalt. massive.	sporadic weak chlorite mottling						
				variably fine-med grained	±1% <3cm ; trace blebs						
					± stkwk <1mm						
					Through to EOH						
767					Stronger chlorite ± 5cm blob	BB036	4.3	127	4	60	12
					zone 30-35%, blebs 1-5cm	BB037	0.4	103	4	47	7
					[representative samples]						
783											
701'											
		4		Dk gn-blk crowded augite porph fgs	weakly chloritized						
				Pxene 1-3mm ~10% of rx vfg matrix							
				massive							
707'											
EOH			EOH								

TNR Resources Ltd - Ivory Oils and Minerals Inc.

Ledge Project - Diamond Drill log

Hole number:	DDH 99 - 02	Date started:	Dec 17/99
Location:	L7650+8E 4770N	Date finished	
Bearing:	190°	Logged by:	Kirk Hancock
Inclination:	-45° / EOH acid test -47°		
Total Depth:	717'		
Collar Elevation:			
Core size:	NQ		

depth (feet)	depth (metres)	recovery	not to scale graphic	Lithology	Alteration	Sample#	Au ppb	Cu ppm	Pb ppm	Zn ppm	As ppm
)			o Bd	Overburden.							
0											
			✓ ✓	lt green grading down to black, vfg	Chloritized ~~wk~~ weakly						
35			✓	basalt	blebby, < 1cm, < 10% skarn GA core						
					w/ chlorite halo, @68' - 1cm GA band ∥ to core						
8'					1 cm skarn band - ∥ to core.						
			✓								
77			✓		Skarn better developed here	88038	3.0	140	<3	61	10
86'			✓		~30% blebs	88039	3.6	135	<3	60	7
		irreg		Dyke- Granite, med-crse grained, pink							
2'		62°∡		w/ 3-5% mafics, some ±1cm pink [illegible] near middle							
			✓ ✓	black vfg basalt massive	scattered blebs of chlorite [illegible]						
95'		55°∡		6" dyke - granite fine grained	skarn blebs - no more < 10% ([illegible])						
			✓								
			✓ ✓								
15.2		45°∡		Dyke: Pink, fine-med grained granite							
7.2				~5% mafics rusty spots oxidized mafics?							
			✓ ✓								

depth et	depth metres	recovery	graphic	Lithology	Alteration	Sample#	Au	Cu	Pb	Zn	As
				black vfg basalt	weak chloritization + hematite - scattered						
					chlorite blebs ± dense GA skarn	88040	2.7	146	<3	67	7
27½		45° ∠		Granite dykelet - 1" wide	blebs <10% (usu <5%) blebs <2cm wide	repeat sample					
29½		60° ∠		- ½"							
30		irreg		- 1"							
32½		~40° ∠ irreg.		-5"							
34.2					5mm skarn "veinlet" ~80° ∠						
36.9		irreg.		granite dykelet ~ 1½"							
50				granite dykelet.							
				v. dk gn → Black, fine grained basalt ± <5%							
Box A - 167'											
169½				granite dyke 3" augite xtals, 1-3mm							
171				granite dyke 3"							
172					irreg blebs of skarn GA+Q2+CH mld <5% <1cm						
189.2					irreg skarn blebs + Magnetite	88041	19.0	110	10	58	4
199'						88042	3.4	111	<3	34	5
235½											

rill hole: DDH 99-02 Lodge

depth (feet)	depth (metres)	recovery	graphic	Lithology	Alteration	Sample#	Au	Cu	Pb	Zn	As
235½		60° ∡	+	fine - med grained granodiorite	- streaks of yell/org FeOx - weak	88043	2.4	10	6	13	8
			+	dyke, grey-pink, massive	- CT + QZ veinlets - may be part						
			+ +	~5% mafics HB ± BI < ½mm + small clots.	of crackle brxx						
					chilled margin ± [illegible] (~30%)	88044	<0.2	3	5	11	3
			+ +								
			+ +								
						88045	1.8	2	5	11	3
			+ +								
			+ +								
						88046	<0.2	3	4	10	13
			+ +								
256		Irreg ∡									
			v	Black vfg basalt massive	chlorite blebs ± skarn blebs	88047	1.8	145	4	70	14
			v	faint augite seen.	259' - skn + CT, 1cm "vein" ⊥ to core	88048	1.5	150	<3	72	10
269	268½' End of box E Box 9		v			88049	1.2	90	4	55	8
269 - 270		irreg bdys		Granitic dyke - Aplitic -							
				rx grades into brxx - 2' grade in	chlorite - strong - pervasive	88050	1.1	73	<3	32	2
				brxx is white QZ + CT veining 1-10%							
				(276-277' ~50% QZ+CT) + a few <1cm granitic? frags.		88051	10.6	52	<3	25	5
					rx claylike mass						
						88052	3.6	99	3	45	9
286½		sharp			↓						
		80 ∡		Granitic fine grained dyke vuggy near middle w calcite	vuggy CT veining no sx	88053	1.9	3	9	6	3
289½			?	289-307' - spilled core box #10 → 297-307 fairly salvaged; 289-297 - best guess							
				Black vfg basalt massive	weak chlorite as blebs <10%						
					w a few skarn blebs <3%						
					< 1cm.						

depth feet	metres	recovery	graphic	Lithology	Alteration	Sample#	Au	Cu	Pb	Zn	As
				Black vfg basalt							
			sharp								
299.2		20° ∡		waxy grey-pink granitic dyke ± aphanitic	grain textures washed-out ? silicified?						
307				← small basalt sliver - ? dyke edge	whispy QZ+CT veinlets ≤1mm	88054	0.2	6	4	10	4
309.8		30° ∡	sharp								
				Black vfg basalt, massive	weak chlorite, weak hornfels	88055	1.6	95	4	32	4
				shows ~1-3mm phenocryst xtls Augite bslt textures -	scattered <2mm CT+QZ wht veinlets						
				variable over several metres		88056	2.6	97	3	41	7
				generally very uniform		88057	1.3	137	8	49	10
(345)											
388					blebby skarn more distinct <5%						
389.8		~80° ∡			skarn "veinlet" 5mm + chlorite envelope 7mm						
					Chlorite blebby alt'n a bit stronger						
414					skarn blebs distinct						
415.3		Irreg		QZ+CT veinlet, white		88058	1.6	52	<3	53	16

depth (et)	depth (metres)	recovery	graphic	Lithology	Alteration	Sample#	Au	Cu	Pb	Zn	As
				black vfg basalt	Chlorite Altn weak						
423				QZ+CT veinlet - 5 cm (true) - multiphase (±3×) + Pink ? Intr-Aplite 7mm wedge	chlorite altn incr to mod	88059	2.2	127	<3	64	18
					↓						
			sharp								
426½		055° ∡		Dyke: Granite Pink (grey)							
				med. grained							
429.8		45° ∡	sharp.								
					weak chlorite; scattered white						
434½		25° ∡		QZ-CT veinlet ~7mm [2 phases]	CT (±QZ) veinlets, scattered, rare						
					skarn blebs <1cm.						
443'				CT ±QZ veinlet + crackle brxs ~15cm	strong chloritization representative sample	88060	5.2	92	4	38	10
444'					~10 cm skarny + chlorite band						
			sharp								
453.2		45° ∡		Dyke - pink med. grained granite.							
456.8		45° ∡	sharp.								
				Black vfg basalt as above	weak chloritization; a few scattered						
					<1 ±QZ veinlets and a few						
					scattered skarn blebs <1-2cm (incl						
					chlorite halo.						
488.8					QZ+CT veinlet w void middle	88061	2.0	82	<3	37	2
490					~1cm wide						

depth feet	depth metres	recovery	graphic	Lithology	Alteration	Sample#	Au	Cu	Pb	Zn	As
490				Black v.f.g basalt massive	weak chlorite						
					scattered <2mm wht CT±QZ veinlets						
					± rare skarn blebs <1cm.						
503.1 / 503.9					Calcite crackle + GA ± weak Chlorite halo	88062	1.6	74	<3	41	10
527					10-15% anastamosing skarn "veinlets"	88063	4.9	77	7	56	9
536					+ semi-connected blebs - strong [illegible]	88064	5.5	96	<3	52	8
					and [illegible] % Has [illegible] Chlorite envelopes - thin						
546		80° A	Sharp	Dyke: Granite, Pink + 5% mafics	Loss of textures prob. weak(mod) hornfels.						
547		irreg		med. grained.	Chloritization is weak to						
			Sharp		moderate - seems to be stronger in						
548.6		~15cm Irreg		Aplite dyke	zones w coarse Augite - may incl wht.						
					F/S [illegible] knots.						
				Black fine-med grained Basalt	~5% blebs <1cm						
				Augite laths 1-4mm (as crowded Augite [illegible])	Skarn is irregular + shows as						
				visible over 1-2m lengths -	scattered blebs - often within chlorite						
					zones. Skn also has "vein"-like						
579-	hand sample				appearance <5mm - QZ+GA (±EP rare)						
581				slightly stronger skarn + chl ~10%	±MT. Sx are rarely seen	88065	4.6	140	<3	54	10
586					Rare 1-2mm CT veinlets.						
597											

depth et	depth metres	recovery	graphic	Lithology	Alteration	Sample#	Au	Cu	Pb	Zn	As
597				Basalt as above	as above Sil + Chlorite						
607				17 has a bit more "clastic" look may just be the alteration	Alt ≈10% - representative sample	88066	6.6	198	4	56	18
612											
663					Alteration - Chlorite - seems to be a bit stronger ≈15%, more mottled + some above 5-10%	88067	5.2	151	7	60	13
						88068	18.2	160	<3	42	21
						88069	4.2	120	<3	55	13
680											

rill hole: DDH-99-02 Ledge

depth feet	depth metres	recovery	graphic	Lithology	Alteration	Sample#	Au	Cu	Pb	Zn	As
[illegible]				basalt as above	as above						
					Skn - stringer ~ 10% - no [illegible]	83070	7.2	184	5	61	19
687½											
690				Dyke: 8" Pink Granite - med grained ~10% mafics							
691.7				Dyke: 4" Pink Granite - fine grained ~10% mafics							
				basalt as above							
717			EOH	8" hand sample - BSLT vfg massive - weak chlorite							

Appendix 3

Ledge Property

Drill Hole Assay Sheets with Intervals

Sample	from feet	to feet	length feet	from metres	to metres	length metres	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Tl ppm	Au* ppb
DDH99-01																																							
88001	71	76	5.0	21.7	23.2	1.5	1	13	19	45	<.3	11	12	602	1.51	3	38	< 2	39	70	0.2	< 3	< 3	14	3.57	0.01	23	10	0.62	14	0.01	< 3	0.47	0.07	0.14	3	< 5	< 1	32.1
88002	67	80	13.0	20.4	24.4	4.0	1	4	5	10	<.3	3	2	283	0.52	4	29	< 2	42	35	0.3	4	< 3	2	1.4	0.004	25	8	0.25	6	<.01	< 3	0.28	0.09	0.12	2	< 5	< 1	6.6
88003	80	85	5.0	24.4	25.9	1.5	2	9	9	15	<.3	5	3	478	0.98	8	28	< 2	35	61	<.2	4	< 3	7	3.5	0.004	22	8	0.72	6	<.01	< 3	0.32	0.1	0.12	3	< 5	< 1	22
88004	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
88005	85	90	5.0	25.9	27.5	1.5	1	18	13	37	<.3	16	17	493	2.61	7	37	< 2	37	113	<.2	4	< 3	57	2.62	0.036	22	21	0.87	99	0.04	< 3	0.86	0.06	0.28	4	< 5	< 1	9.1
88006	98	103	5.0	29.9	31.4	1.5	1	4	5	13	<.3	13	3	116	1.12	5	36	< 2	31	84	<.2	< 3	< 3	2	0.53	0.005	18	9	0.46	13	<.01	< 3	0.55	0.08	0.12	2	< 5	< 1	19.2
88007	103	108	5.0	31.4	32.9	1.5	2	4	7	6	<.3	8	2	64	0.85	10	38	< 2	39	64	<.2	4	< 3	1	0.25	0.004	21	8	0.38	11	<.01	< 3	0.43	0.1	0.13	3	< 5	< 1	16.8
88008	108	113	5.0	32.9	34.5	1.5	1	9	20	23	0.3	23	10	501	1.95	7	62	< 2	36	129	<.2	4	< 3	3	4.14	0.004	20	4	0.82	7	<.01	< 3	0.78	0.08	0.1	3	< 5	< 1	18.6
88009	113	118	5.0	34.5	36.0	1.5	4	19	20	40	<.3	31	12	471	2.15	8	58	< 2	28	172	<.2	3	< 3	25	3.87	0.014	16	25	1.08	6	<.01	< 3	0.81	0.05	0.09	2	< 5	< 1	8.2
88010	118	124	6.0	36.0	37.8	1.8	2	53	10	48	<.3	26	15	752	2.77	4	25	< 2	20	190	<.2	4	< 3	124	5.47	0.062	16	71	0.92	113	0.03	< 3	1.07	0.03	0.25	< 2	< 5	1	10.4
88011	128	133	5.0	39.0	40.6	1.5	1	8	10	13	<.3	12	8	592	0.93	2	37	< 2	46	80	<.2	4	< 3	3	5.18	0.004	29	8	0.3	9	<.01	< 3	0.44	0.16	0.17	2	< 5	< 1	7.4
88012	133	138	5.0	40.6	42.1	1.5	< 1	80	11	32	<.3	18	14	495	2.55	9	19	< 2	20	124	<.2	3	< 3	68	3.53	0.061	15	30	1.41	105	0.07	3	0.65	0.05	0.43	2	< 5	< 1	42.2
88012RE							< 1	80	11	30	<.3	17	14	485	2.48	5	22	< 2	20	122	<.2	3	< 3	68	3.45	0.061	16	30	1.39	103	0.07	4	0.65	0.06	0.43	4	< 5	< 1	10.6
88012RRE							1	80	12	33	<.3	17	15	487	2.52	7	16	< 2	20	123	<.2	3	3	69	3.49	0.059	16	32	1.4	103	0.07	4	0.68	0.06	0.43	< 2	< 5	< 1	6
88013	236.2	236.8	0.6	72.0	72.2	0.2	1	28	5	21	<.3	13	11	368	1.61	12	24	< 2	37	227	<.2	3	< 3	59	3.21	0.03	19	26	0.57	104	0.05	< 3	0.98	0.12	0.4	3	< 5	< 1	12.7
88014	244.4	245.3	0.9	74.5	74.8	0.3	1	160	9	45	<.3	46	28	457	4.28	11	< 8	< 2	2	221	0.3	3	< 3	184	3.79	0.137	5	160	1.72	200	0.15	6	1.99	0.12	0.53	2	< 5	< 1	5.2
88015	252	257	5.0	76.9	78.4	1.5	1	96	< 3	43	0.3	39	25	417	4.55	7	< 8	< 2	< 2	826	<.2	< 3	< 3	200	2	0.133	6	108	1.72	556	0.18	6	1.8	0.12	0.99	3	< 5	1	6.3
88016	334	339	5.0	101.9	103.4	1.5	2	133	4	59	<.3	29	31	467	5.8	3	< 8	< 2	2	71	<.2	< 3	< 3	254	1.3	0.173	7	71	1.36	140	0.23	4	1.49	0.14	1.06	3	< 5	< 1	3.9
88017	339	344	5.0	103.4	104.9	1.5	< 1	149	< 3	58	0.3	33	30	513	5.57	5	< 8	< 2	2	98	<.2	3	< 3	266	1.65	0.181	7	80	1.71	255	0.23	6	1.86	0.14	1.08	2	< 5	1	6.8
88018	344	348	4.0	104.9	106.1	1.2	1	101	4	51	<.3	129	31	487	4.33	< 2	< 8	< 2	3	89	<.2	< 3	< 3	180	1.41	0.165	8	297	2.68	383	0.21	6	2.1	0.13	1.53	< 2	< 5	< 1	4.2
88019	348	353	5.0	106.1	107.7	1.5	< 1	132	3	48	<.3	80	28	402	4.54	2	< 8	< 2	2	51	<.2	< 3	< 3	219	1.11	0.17	7	170	2.1	478	0.24	3	1.72	0.12	1.38	< 2	< 5	1	8.2
88020	353	358	5.0	107.7	109.2	1.5	1	134	< 3	59	0.3	49	29	435	4.94	3	< 8	< 2	2	52	<.2	< 3	< 3	256	1.14	0.176	7	125	1.93	372	0.26	5	1.7	0.08	1.52	3	< 5	1	6.7
88021	370	375	5.0	112.9	114.4	1.5	3	146	5	68	0.3	44	33	607	5.52	5	< 8	< 2	2	48	0.3	< 3	< 3	284	1.29	0.166	7	104	2.09	176	0.25	4	1.99	0.11	1.66	< 2	< 5	< 1	11.7
88022	375	380	5.0	114.4	115.9	1.5	2	130	< 3	61	<.3	33	31	544	5.97	7	< 8	< 2	2	75	<.2	< 3	< 3	234	1.71	0.171	7	86	1.5	133	0.21	4	1.66	0.13	1.16	2	< 5	1	5.6
88023	380	385	5.0	115.9	117.4	1.5	1	147	4	62	<.3	33	30	599	5.74	8	< 8	< 2	< 2	56	<.2	< 3	< 3	261	1.95	0.169	7	87	1.69	92	0.21	5	1.9	0.1	1.32	< 2	< 5	< 1	4.1
88024	385	390	5.0	117.4	119.0	1.5	< 1	139	6	58	<.3	39	29	545	5.47	8	< 8	< 2	2	79	<.2	< 3	< 3	260	2.21	0.17	7	106	1.68	119	0.21	8	2	0.12	1.27	< 2	< 5	< 1	2.2
88024RE							1	137	< 3	57	<.3	40	29	535	5.41	9	< 8	< 2	2	76	<.2	< 3	< 3	255	2.12	0.171	6	109	1.67	117	0.21	7	1.97	0.11	1.26	2	< 5	1	1.3
88024RRE							< 1	147	9	61	<.3	42	30	550	5.64	6	< 8	< 2	2	78	<.2	< 3	< 3	265	2.21	0.176	7	109	1.73	120	0.22	7	2.02	0.11	1.3	< 2	< 5	< 1	3.7
88025	418	423	5.0	127.5	129.0	1.5	1	114	5	46	<.3	34	26	422	4.97	5	< 8	< 2	< 2	107	<.2	< 3	< 3	221	1.65	0.136	6	58	1.73	211	0.17	7	1.58	0.23	0.87	2	< 5	< 1	10.6
88026	423	428	5.0	129.0	130.5	1.5	1	89	6	59	<.3	43	31	483	5.11	3	< 8	< 2	< 2	104	<.2	< 3	< 3	225	1.46	0.136	5	56	1.99	348	0.22	5	2.07	0.11	1.52	2	< 5	< 1	5.3
88027	436	441	5.0	133.0	134.5	1.5	1	134	< 3	63	<.3	46	36	513	6.25	5	< 8	< 2	< 2	89	<.2	< 3	< 3	282	1.8	0.171	6	83	2.11	310	0.26	3	2.06	0.14	1.52	< 2	< 5	< 1	11.4
88028	453	457	4.0	138.2	139.4	1.2	< 1	102	6	43	<.3	71	29	475	4.94	6	< 8	< 2	5	174	<.2	< 3	< 3	186	2.43	0.13	7	143	1.85	154	0.16	5	1.64	0.09	0.76	2	< 5	< 1	6.2
88029	457	462	5.0	139.4	140.9	1.5	1	114	8	49	<.3	65	30	541	4.93	4	< 8	< 2	3	152	<.2	< 3	< 3	181	2.33	0.158	7	156	2.36	235	0.2	6	2.02	0.12	1.15	3	< 5	< 1	1.5
88030	466	467	1.0	142.1	142.4	0.3	1	79	6	43	<.3	60	25	408	4.73	4	< 8	< 2	< 2	352	0.2	< 3	< 3	202	2.37	0.169	6	197	1.63	211	0.19	6	1.82	0.07	0.92	2	< 5	1	2.8
88031	480	485	5.0	146.4	147.9	1.5	1	133	< 3	61	<.3	75	37	559	6.14	9	< 8	< 2	4	130	<.2	< 3	< 3	276	1.57	0.171	7	157	2.26	132	0.26	3	2.12	0.11	1.54	2	< 5	1	2.7
88032	485	490	5.0	147.9	149.5	1.5	1	135	6	39	<.3	55	27	460	5.05	9	< 8	< 2	< 2	155	<.2	< 3	< 3	197	2	0.151	5	124	1.86	87	0.22	< 3	1.69	0.12	0.98	< 2	< 5	< 1	4
88033	494.8	499.8	5.0	150.9	152.4	1.5	< 1	128	3	62	<.3	33	32	521	6.73	4	< 8	< 2	< 2	401	<.2	< 3	< 3	319	1.08	0.188	7	69	1.42	159	0.26	< 3	1.4	0.12	1.05	2	< 5	< 1	1.9
88034	524.8	530.1	5.3	160.1	161.7	1.6	1	124	< 3	49	<.3	47	32	521	4.91	9	< 8	< 2	< 2	147	<.2	< 3	< 3	211	2.26	0.155	7	83	1.82	145	0.27	< 3	2.23	0.12	1.29	2	< 5	< 1	4.4
88035	542	547	5.0	165.3	166.8	1.5	1	124	< 3	60	<.3	43	35	490	5.76	8	< 8	< 2	< 2	85	<.2	< 3	< 3	240	1.25	0.168	6	112	2.26	276	0.37	< 3	2.35	0.14	2.05	< 2	< 5	< 1	1.5
88036	667	672	5.0	203.4	205.0	1.5	< 1	127	4	60	<.3	33	31	540	5.65	12	< 8	< 2	< 2	98	<.2	3	< 3	187	1.78	0.175	7	67	1.72	100	0.26	3	1.87	0.15	1.23	3	< 5	< 1	4.3
88037	672	677	5.0	205.0	206.5	1.5	< 1	103	4	47	<.3	49	30	438	5.39	7	< 8	< 2	< 2	80	<.2	< 3	< 3	175	1.51	0.158	6	107	1.69	196	0.25	< 3	1.65	0.11	1.12	3	< 5	< 1	0.4
88037RE							1	105	< 3	49	<.3	51	31	452	5.54	6	< 8	< 2	< 2	81	<.2	< 3	< 3	181	1.57	0.161	6	108	1.74	199	0.26	< 3	1.69	0.11	1.14	2	< 5	< 1	<.2

RE: sample rerun

RRE: sample reject rerun

Au*: Assay by acid leach and ICP-MS (10gm)

Ledge Property

Drill Hole Assay Sheets with Intervals

Sample	from feet	to feet	length feet	from metres	to metres	length metres	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Tl ppm	Au* ppb
DDH99-02																																						
88038	77	81	4	23.5	24.7	1.2	1	140	< 3	61	0.4	30	31	520	6.34	10	< 8	< 2	< 2	92	1.8	< 3	< 3	257	1.41	0.17	6	71	1.36	106	0.22	11	1.52	0.15	0.98	< 2	< 5	< 1	3
88039	81	86	5	24.7	26.2	1.5	< 1	135	< 3	60	<.3	31	31	496	6.2	7	< 8	< 2	2	72	1.9	< 3	< 3	282	1.02	0.165	6	73	1.48	140	0.29	7	1.53	0.11	1.24	2	< 5	< 1	3.6
88040	119.8	124.8	5	36.5	38.1	1.5	1	146	< 3	67	0.4	35	36	615	6.78	7	< 8	< 2	< 2	81	1.9	< 3	< 3	291	1.14	0.178	7	81	1.89	212	0.33	11	1.78	0.12	1.5	2	< 5	< 1	2.7
88041	189.2	194.2	5	57.7	59.2	1.5	1	110	10	58	<.3	38	31	450	5.33	4	< 8	< 2	2	60	1.7	< 3	< 3	226	1.36	0.168	7	92	1.98	317	0.31	4	1.79	0.11	1.06	2	< 5	< 1	19
88042	194.2	199.2	5	59.2	60.8	1.5	1	111	< 3	34	<.3	46	24	423	3.54	5	< 8	< 2	< 2	167	1.1	< 3	< 3	146	1.79	0.141	6	122	2.13	255	0.21	< 3	1.47	0.11	0.74	< 2	< 5	< 1	3.4
88043	235.5	240.5	5	71.8	73.4	1.5	1	10	6	13	<.3	4	3	149	0.83	8	8	< 2	27	109	0.2	< 3	< 3	20	0.75	0.012	24	15	0.18	46	0.04	< 3	0.51	0.08	0.26	2	< 5	< 1	2.4
88044	240.5	245.5	5	73.4	74.9	1.5	1	3	5	11	<.3	2	1	166	0.49	3	< 8	< 2	29	392	0.2	< 3	< 3	7	1.4	0.006	25	11	0.11	57	0.02	< 3	0.65	0.06	0.19	2	< 5	< 1	<.2
88045	245.5	250.5	5	74.9	76.4	1.5	6	2	5	11	<.3	3	1	183	0.55	3	< 8	< 2	28	175	<.2	< 3	< 3	7	0.86	0.006	22	10	0.11	35	0.03	< 3	0.4	0.04	0.14	4	< 5	< 1	1.8
88046	250.5	256	5.5	76.4	78.1	1.7	1	3	4	10	<.3	2	1	136	0.47	13	13	< 2	31	83	0.2	< 3	< 3	3	0.64	0.002	24	12	0.05	14	0.01	< 3	0.29	0.05	0.1	3	< 5	< 1	<.2
88047	256	261	5	78.1	79.6	1.5	1	145	4	70	<.3	33	32	611	5.91	14	< 8	< 2	3	153	1.1	< 3	< 3	248	1.76	0.172	8	78	2.08	260	0.33	5	1.96	0.08	1.56	2	< 5	< 1	1.8
88048	261	266	5	79.6	81.1	1.5	1	150	< 3	72	0.4	34	34	618	6.59	10	< 8	< 2	2	67	1.2	< 3	< 3	277	1.12	0.184	7	80	2.09	180	0.33	4	1.76	0.08	1.64	2	< 5	1	1.5
88048RE							1	147	4	71	0.4	33	33	601	6.47	10	< 8	< 2	2	65	1.1	3	< 3	270	1.1	0.178	7	82	2.03	176	0.33	7	1.72	0.08	1.59	2	< 5	< 1	1.8
88048RRE							1	149	6	73	0.3	34	34	619	6.66	9	< 8	< 2	2	67	0.8	< 3	< 3	278	1.13	0.185	7	82	2.1	179	0.34	4	1.78	0.08	1.63	2	< 5	< 1	1.6
88049	266	272	6	81.1	83.0	1.8	1	90	4	55	0.3	25	26	585	5.16	8	11	< 2	6	486	0.9	3	< 3	221	1.77	0.142	8	58	1.79	417	0.28	3	1.61	0.06	1.42	2	< 5	< 1	1.2
88050	272	277	5	83.0	84.5	1.5	< 1	73	< 3	32	<.3	47	19	570	3.02	2	< 8	< 2	4	876	0.4	< 3	< 3	110	10.07	0.094	5	146	1.73	301	0.17	3	1.67	0.04	0.77	< 2	< 5	< 1	1.1
88051	277	282	5	84.5	86.0	1.5	< 1	52	< 3	25	0.3	46	17	500	2.51	5	< 8	< 2	2	1700	0.2	< 3	< 3	93	9.34	0.094	4	133	1.5	301	0.13	< 3	1.91	0.06	0.57	< 2	< 5	< 1	10.6
88052	282	286.5	4.5	86.0	87.4	1.4	< 1	99	3	45	0.3	60	30	540	4.93	9	< 8	< 2	< 2	717	0.7	3	< 3	176	4.82	0.117	5	110	2.04	371	0.2	4	2.29	0.05	0.94	< 2	< 5	< 1	3.6
88053	286.5	289.5	3	87.4	88.3	0.9	1	3	4	6	<.3	2	1	73	0.46	3	18	< 2	23	1089	<.2	< 3	< 3	6	2.61	0.005	13	9	0.08	104	0.02	< 3	0.64	0.03	0.13	4	< 5	< 1	1.9
88054	306.5	309.8	3.3	93.5	94.5	1.0	1	6	4	10	<.3	16	3	144	0.67	4	8	< 2	30	64	<.2	< 3	< 3	13	0.98	0.016	16	35	0.24	31	0.04	< 3	0.39	0.09	0.25	2	< 5	< 1	0.2
88055	309.8	315	5.2	94.5	96.1	1.6	1	95	4	32	<.3	66	20	297	3.1	4	< 8	< 2	8	189	<.2	< 3	< 3	107	1.17	0.112	9	137	1.62	334	0.19	3	1.29	0.09	0.97	< 2	< 5	< 1	1.6
88056	315	320	5	96.1	97.6	1.5	< 1	97	3	41	0.6	64	27	331	4.58	7	< 8	< 2	2	220	<.2	< 3	8	165	1.06	0.122	4	196	1.85	349	0.19	3	1.45	0.07	1.1	< 2	1	< 5	2.6
88057	320	325	5	97.6	99.1	1.5	< 1	137	8	49	0.6	66	31	397	5.04	10	< 8	< 2	2	320	0.2	5	7	172	1.38	0.129	5	199	2.14	277	0.21	6	1.82	0.06	1.19	< 2	1	< 5	1.3
88058	414.3	416.3	2	126.4	127.0	0.6	< 1	52	< 3	53	0.3	32	27	464	5.4	16	< 8	< 2	2	188	<.2	< 3	< 3	170	2.43	0.134	5	50	1.24	40	0.18	8	1.57	0.04	0.83	< 2	< 1	< 5	1.6
88059	421.5	426.5	5	128.6	130.1	1.5	1	127	< 3	64	0.6	61	37	605	6.12	18	< 8	< 2	2	331	0.7	5	5	232	3.17	0.162	6	142	2.14	164	0.26	5	2.46	0.06	1.44	3	1	< 5	2.2
88060	440	445	5	134.2	135.7	1.5	< 1	92	4	38	<.3	56	24	361	4.06	10	< 8	< 2	2	201	<.2	< 3	3	167	2.33	0.128	5	165	1.77	153	0.21	4	1.63	0.06	0.88	< 2	< 1	< 5	5.2
88061	488.8	490	1.2	149.1	149.5	0.4	< 1	82	< 3	37	0.3	48	21	397	3.88	2	< 8	< 2	2	595	<.2	< 3	5	155	4.27	0.127	5	153	1.14	148	0.18	< 3	1.71	0.08	0.85	< 2	< 1	< 5	2
88062	503.1	503.9	0.8	153.4	153.7	0.2	< 1	74	< 3	41	<.3	57	25	357	5.1	10	< 8	< 2	2	41	0.2	< 3	4	195	0.93	0.145	5	170	1.43	175	0.22	< 3	1.11	0.07	0.91	< 2	< 1	< 5	1.6
88063	527	532	5	160.7	162.3	1.5	3	77	7	56	0.4	44	35	440	5.71	9	< 8	< 2	3	171	0.3	< 3	8	184	1.81	0.166	7	145	1.48	108	0.27	< 3	1.89	0.11	1.21	< 2	< 1	< 5	4.9
88064	532	537	5	162.3	163.8	1.5	2	96	< 3	52	0.4	114	34	434	3.98	8	< 8	< 2	< 2	134	0.4	< 3	5	133	1.71	0.146	6	264	2.58	250	0.2	5	1.95	0.11	1.45	< 2	1	< 5	5.5
88065	581	586	5	177.2	178.7	1.5	< 1	140	< 3	54	<.3	31	27	482	5.29	10	< 8	< 2	2	71	<.2	< 3	< 3	212	1.71	0.165	7	62	1.3	72	0.21	3	1.58	0.1	1.02	< 2	< 1	< 5	4.6
88065RE							1	143	4	57	0.3	32	27	496	5.4	16	< 8	< 2	2	73	0.2	< 3	< 3	217	1.78	0.168	7	64	1.32	74	0.22	3	1.61	0.1	1.04	< 2	< 1	< 5	5.7
88065RRE							< 1	144	5	56	0.5	31	27	487	5.33	19	< 8	< 2	2	71	<.2	< 3	6	215	1.8	0.168	8	61	1.3	71	0.22	5	1.58	0.1	1.01	2	< 1	< 5	5.8
88066	607	612	5	185.1	186.7	1.5	1	198	4	56	0.4	33	30	565	5.21	18	< 8	< 2	2	64	0.4	< 3	4	200	2.49	0.17	8	55	1.73	120	0.24	5	1.94	0.18	1.4	3	1	< 5	6.6
88067	662.5	667.5	5	202.1	203.6	1.5	1	151	7	60	0.6	44	35	514	5.74	13	< 8	< 2	2	43	0.3	3	5	227	1.44	0.174	7	113	1.82	141	0.28	4	2.03	0.1	1.67	2	1	< 5	5.2
88068	667.5	672.5	5	203.6	205.1	1.5	1	160	< 3	42	0.3	29	28	475	4.93	21	< 8	< 2	2	116	0.3	< 3	3	169	2.93	0.169	7	76	0.9	45	0.19	6	1.43	0.13	0.7	3	< 1	< 5	18.2
88069	672.5	677.5	5	205.1	206.6	1.5	< 1	120	< 3	55	0.3	32	29	503	5.26	13	< 8	< 2	2	135	0.2	< 3	5	185	1.92	0.161	7	94	1.49	55	0.23	4	1.9	0.12	1.21	< 2	< 1	< 5	4.2
88070	686	690	4	209.2	210.5	1.2	2	184	5	61	<.3	29	24	533	4.91	19	< 8	< 2	< 2	427	0.4	3	< 3	199	2.3	0.174	6	80	1.22	117	0.22	6	1.8	0.15	0.97	4	< 1	< 5	7.2

RE: sample rerun

RRE: sample reject rerun

Au*: Assay by acid leach and ICP-MS (10gm)

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Coast Mountain Geological Ltd, PROJECT LEDGE File # 9904853 Page 1

P.O. Box 11604, 1680 - 65, Vancouver BC V6B 4N9 Submitted by: Chris Basil

DH-1

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
E 88001	1	13	19	45	<.3	11	12	602	1.51	3	38	<2	39	70	.2	<3	<3	14	3.57	.010	23	10	.62	14	.01	<3	.47	.07	.14	3	<5	<1	32.1
E 88002	1	4	5	10	<.3	3	2	283	.52	4	29	<2	42	35	.3	4	<3	2	1.40	.004	25	8	.25	6	<.01	<3	.28	.09	.12	2	<5	<1	6.6
E 88003	2	9	9	15	<.3	5	3	478	.98	8	28	<2	35	61	<.2	4	<3	7	3.50	.004	22	8	.72	6	<.01	<3	.32	.10	.12	3	<5	<1	22.0
E 88005	1	18	13	37	<.3	16	17	493	2.61	7	37	<2	37	113	<.2	4	<3	57	2.62	.036	22	21	.87	99	.04	<3	.86	.06	.28	4	<5	<1	9.1
E 88006	1	4	5	13	<.3	13	3	116	1.12	5	36	<2	31	84	<.2	<3	<3	2	.53	.005	18	9	.46	13	<.01	<3	.55	.08	.12	2	<5	<1	19.2
E 88007	2	4	7	6	<.3	8	2	64	.85	10	38	<2	39	64	<.2	4	<3	1	.25	.004	21	8	.38	11	<.01	<3	.43	.10	.13	3	<5	<1	16.8
E 88008	1	9	20	23	.3	23	10	501	1.95	7	62	<2	36	129	<.2	4	<3	3	4.14	.004	20	4	.82	7	<.01	<3	.78	.08	.10	3	<5	<1	18.6
E 88009	4	19	20	40	<.3	31	12	471	2.15	8	58	<2	28	172	<.2	3	<3	25	3.87	.014	16	25	1.08	6	<.01	<3	.81	.05	.09	2	<5	<1	8.2
E 88010	2	53	10	48	<.3	26	15	752	2.77	4	25	<2	20	190	<.2	4	<3	124	5.47	.062	16	71	.92	113	.03	<3	1.07	.03	.25	<2	<5	1	10.4
E 88011	1	8	10	13	<.3	12	8	592	.93	2	37	<2	46	80	<.2	4	<3	3	5.18	.004	29	8	.30	9	<.01	<3	.44	.16	.17	2	<5	<1	7.4
E 88012	<1	80	11	32	<.3	18	14	495	2.55	9	19	<2	20	124	<.2	3	<3	68	3.53	.061	15	30	1.41	105	.07	3	.65	.05	.43	2	<5	<1	42.2
RE E 88012	<1	80	11	30	<.3	17	14	485	2.48	5	22	<2	20	122	<.2	3	<3	68	3.45	.061	16	30	1.39	103	.07	4	.65	.06	.43	4	<5	<1	10.6
RRE E 88012	1	80	12	33	<.3	17	15	487	2.52	7	16	<2	20	123	<.2	3	3	69	3.49	.059	16	32	1.40	103	.07	4	.68	.06	.43	<2	<5	<1	6.0
E 88013	1	28	5	21	<.3	13	11	368	1.61	12	24	<2	37	227	<.2	3	<3	59	3.21	.030	19	26	.57	104	.05	<3	.98	.12	.40	3	<5	<1	12.7
E 88014	1	160	9	45	<.3	46	28	457	4.28	11	<8	<2	2	221	.3	3	<3	184	3.79	.137	5	160	1.72	200	.15	6	1.99	.12	.53	2	<5	<1	5.2
E 88015	1	96	<3	43	.3	39	25	417	4.55	7	<8	<2	<2	826	<.2	<3	<3	200	2.00	.133	6	108	1.72	556	.18	6	1.80	.12	.99	3	<5	1	6.3
E 88016	2	133	4	59	<.3	29	31	467	5.80	3	<8	<2	2	71	<.2	<3	<3	254	1.30	.173	7	71	1.36	140	.23	4	1.49	.14	1.06	3	<5	<1	3.9
E 88017	<1	149	<3	58	.3	33	30	513	5.57	5	<8	<2	2	98	<.2	3	<3	266	1.65	.181	7	80	1.71	255	.23	6	1.86	.14	1.08	2	<5	1	6.8
E 88018	1	101	4	51	<.3	129	31	487	4.33	<2	<8	<2	3	89	<.2	<3	<3	180	1.41	.165	8	297	2.68	383	.21	6	2.10	.13	1.53	<2	<5	<1	4.2
E 88019	<1	132	3	48	<.3	80	28	402	4.54	2	<8	<2	2	51	<.2	<3	<3	219	1.11	.170	7	170	2.10	478	.24	3	1.72	.12	1.38	<2	<5	1	8.2
E 88020	1	134	<3	59	.3	49	29	435	4.94	3	<8	<2	2	52	<.2	<3	<3	256	1.14	.176	7	125	1.93	372	.26	5	1.70	.08	1.52	3	<5	1	6.7
E 88021	3	146	5	68	.3	44	33	607	5.52	5	<8	<2	2	48	.3	<3	<3	284	1.29	.166	7	104	2.09	176	.25	4	1.99	.11	1.66	<2	<5	<1	11.7
E 88022	2	130	<3	61	<.3	33	31	544	5.97	7	<8	<2	2	75	<.2	<3	<3	234	1.71	.171	7	86	1.50	133	.21	4	1.66	.13	1.16	2	<5	1	5.6
E 88023	1	147	4	62	<.3	33	30	599	5.74	8	<8	<2	<2	56	<.2	<3	<3	261	1.95	.169	7	87	1.69	92	.21	5	1.90	.10	1.32	<2	<5	<1	4.1
E 88024	<1	139	6	58	<.3	39	29	545	5.47	8	<8	<2	2	79	<.2	<3	<3	260	2.21	.170	7	106	1.68	119	.21	8	2.00	.12	1.27	<2	<5	<1	2.2
RE E 88024	1	137	<3	57	<.3	40	29	535	5.41	9	<8	<2	2	76	<.2	<3	<3	255	2.12	.171	6	109	1.67	117	.21	7	1.97	.11	1.26	2	<5	1	1.3
RRE E 88024	<1	147	9	61	<.3	42	30	550	5.64	6	<8	<2	2	78	<.2	<3	<3	265	2.21	.176	7	109	1.73	120	.22	7	2.02	.11	1.30	<2	<5	<1	3.7
E 88025	1	114	5	46	<.3	34	26	422	4.97	5	<8	<2	<2	107	<.2	<3	<3	221	1.65	.136	6	58	1.73	211	.17	7	1.58	.23	.87	2	<5	<1	10.6
E 88026	1	89	6	59	<.3	43	31	483	5.11	3	<8	<2	<2	104	<.2	<3	<3	225	1.46	.136	5	56	1.99	348	.22	5	2.07	.11	1.52	2	<5	<1	5.3
E 88027	1	134	<3	63	<.3	46	36	513	6.25	5	<8	<2	<2	89	<.2	<3	<3	282	1.80	.171	6	83	2.11	310	.26	3	2.06	.14	1.52	<2	<5	<1	11.4
E 88028	<1	102	6	43	<.3	71	29	475	4.94	6	<8	<2	5	174	<.2	<3	<3	186	2.43	.130	7	143	1.85	154	.16	5	1.64	.09	.76	2	<5	<1	6.2
E 88029	1	114	8	49	<.3	65	30	541	4.93	4	<8	<2	3	152	<.2	<3	<3	181	2.33	.158	7	156	2.36	235	.20	6	2.02	.12	1.15	3	<5	<1	1.5
E 88030	1	79	6	43	<.3	60	25	408	4.73	4	<8	<2	<2	352	.2	<3	<3	202	2.37	.169	6	197	1.63	211	.19	6	1.82	.07	.92	2	<5	1	2.8
E 88031	1	133	<3	61	<.3	75	37	559	6.14	9	<8	<2	4	130	<.2	<3	<3	276	1.57	.171	7	157	2.26	132	.26	3	2.12	.11	1.54	2	<5	1	2.7
STANDARD DS2	14	137	29	172	.3	38	13	837	3.33	61	18	<2	4	31	11.9	9	10	85	.59	.087	18	181	.63	151	.09	4	1.87	.04	.16	11	<5	1	202.8

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 20 1999 **DATE REPORT MAILED:** Jan 4/2000 **SIGNED BY.** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data f PA ____

	SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
DH-1	E 88032	1	135	6	39	<.3	55	27	460	5.05	9	<8	<2	<2	155	<.2	<3	<3	197	2.00	.151	5	124	1.86	87	.22	<3	1.69	.12	.98	<2	<5	<1	4.0
	E 88033	<1	128	3	62	<.3	33	32	521	6.73	4	<8	<2	<2	401	<.2	<3	<3	319	1.08	.188	7	69	1.42	159	.26	<3	1.40	.12	1.05	2	<5	<1	1.9
	E 88034	1	124	<3	49	<.3	47	32	521	4.91	9	<8	<2	<2	147	<.2	<3	<3	211	2.26	.155	7	83	1.82	145	.27	<3	2.23	.12	1.29	2	<5	<1	4.4
	E 88035	1	124	<3	60	<.3	43	35	490	5.76	8	<8	<2	<2	85	<.2	<3	<3	240	1.25	.168	6	112	2.26	276	.37	<3	2.35	.14	2.05	<2	<5	<1	1.5
	E 88036	<1	127	4	60	<.3	33	31	540	5.65	12	<8	<2	<2	98	<.2	3	<3	187	1.78	.175	7	67	1.72	100	.26	3	1.87	.15	1.23	3	<5	<1	4.3
	E 88037	<1	103	4	47	<.3	49	30	438	5.39	7	<8	<2	<2	80	<.2	<3	<3	175	1.51	.158	6	107	1.69	196	.25	<3	1.65	.11	1.12	3	<5	<1	.4
	RE E 88037	1	105	<3	49	<.3	51	31	452	5.54	6	<8	<2	<2	81	<.2	<3	<3	181	1.57	.161	6	108	1.74	199	.26	<3	1.69	.11	1.14	2	<5	<1	<.2
	STANDARD DS2	14	136	31	170	<.3	38	13	841	3.40	62	17	<2	3	30	11.7	9	8	85	.57	.087	18	178	.64	152	.12	<3	1.85	.04	.17	10	<5	<1	204.9

Sample type: CORE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Coast Mountain Geological Ltd. PROJECT LEDGE File # 9904872

P.O. Box 11604, 1680 - 55, Vancouver BC V6B 4N9 Submitted by: Kirk Hancock

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
DH-2																																
E 88038	1	140	<3	61	.4	30	31	520	6.34	10	<8	<2	<2	92	1.8	<3	<3	257	1.41	.170	6	71	1.36	106	.22	11	1.52	.15	.98	<2	<5	<1	3.0
E 88039	<1	135	<3	60	<.3	31	31	496	6.20	7	<8	<2	2	72	1.9	<3	<3	282	1.02	.165	6	73	1.48	140	.29	7	1.53	.11	1.24	2	<5	<1	3.6
E 88040	1	146	<3	67	.4	35	36	615	6.78	7	<8	<2	<2	81	1.9	<3	<3	291	1.14	.178	7	81	1.89	212	.33	11	1.78	.12	1.50	2	<5	<1	2.7
E 88041	1	110	10	58	<.3	38	31	450	5.33	4	<8	<2	2	60	1.7	<3	<3	226	1.36	.168	7	92	1.98	317	.31	4	1.79	.11	1.06	2	<5	<1	19.0
E 88042	1	111	<3	34	<.3	46	24	423	3.54	5	<8	<2	<2	167	1.1	<3	<3	146	1.79	.141	6	122	2.13	255	.21	<3	1.47	.11	.74	<2	<5	<1	3.4
E 88043	1	10	6	13	<.3	4	3	149	.83	8	8	<2	27	109	.2	<3	<3	20	.75	.012	24	15	.18	46	.04	<3	.51	.08	.26	2	<5	<1	2.4
E 88044	1	3	5	11	<.3	2	1	166	.49	3	<8	<2	29	392	.2	<3	<3	7	1.40	.006	25	11	.11	57	.02	<3	.65	.06	.19	2	<5	<1	<.2
E 88045	6	2	5	11	<.3	3	1	183	.55	3	<8	<2	28	175	<.2	<3	<3	7	.86	.006	22	10	.11	35	.03	<3	.40	.04	.14	4	<5	<1	1.8
E 88046	1	3	4	10	<.3	2	1	136	.47	13	13	<2	31	83	.2	<3	<3	3	.64	.002	24	12	.05	14	.01	<3	.29	.05	.10	3	<5	<1	<.2
E 88047	1	145	4	70	<.3	33	32	611	5.91	14	<8	<2	3	153	1.1	<3	<3	248	1.76	.172	8	78	2.08	260	.33	5	1.96	.08	1.56	2	<5	<1	1.8
E 88048	1	150	<3	72	.4	34	34	618	6.59	10	<8	<2	2	67	1.2	<3	<3	277	1.12	.184	7	80	2.09	180	.33	4	1.76	.09	1 64	2	<5	1	1.5
RE E 88048	1	147	4	71	.4	33	33	601	6.47	10	<8	<2	2	65	1.1	3	<3	270	1.10	.178	7	82	2.03	176	.33	7	1.72	.08	1 59	2	<5	<1	1.8
RRE E 88048	1	149	6	73	.3	34	34	619	6.66	9	<8	<2	2	67	.8	<3	<3	278	1.13	.185	7	82	2.10	179	.34	4	1.78	.08	1.63	2	<5	<1	1.6
E 88049	1	90	4	55	.3	25	26	585	5.16	8	11	<2	6	486	.9	3	<3	221	1.77	.142	8	58	1.79	417	.28	3	1.61	.06	1.42	2	<5	<1	1.2
E 88050	<1	73	<3	32	<.3	47	19	570	3.02	2	<8	<2	4	876	.4	<3	<3	110	10.07	.094	5	146	1.73	301	.17	3	1.67	.04	.77	<2	<5	<1	1.1
E 88051	<1	52	<3	25	.3	46	17	500	2.51	5	<8	<2	2	1700	.2	<3	<3	93	9.34	.094	4	133	1.50	301	.13	<3	1.91	.06	.57	<2	<5	<1	10.6
E 88052	<1	99	3	45	.3	60	30	540	4.93	9	<8	<2	<2	717	.7	3	<3	176	4.82	.117	5	110	2.04	371	.20	4	2.29	.05	.94	<2	<5	<1	3.6
E 88053	1	3	4	6	<.3	2	1	73	.46	3	18	<2	23	1089	<.2	<3	<3	6	2.61	.005	13	9	.08	104	.02	<3	.64	.03	.11	4	<5	<1	1.9
E 88054	1	6	4	10	<.3	16	3	144	.67	4	8	<2	30	64	<.2	<3	<3	13	.98	.016	16	35	.24	31	.04	<3	.39	.09	.25	2	<5	<1	.2
E 88055	1	95	4	32	<.3	66	20	297	3.10	4	<8	<2	8	189	<.2	<3	<3	107	1.17	.112	9	137	1.62	334	.19	3	1.29	.09	.97	<2	<5	<1	1.6
STANDARD DS2	14	135	35	164	<.3	38	13	847	3.31	61	17	<2	3	29	12.2	6	8	83	.55	.085	17	173	.62	152	.11	3	1.79	.04	17	10	<5	1	208.1

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 22 1999 **DATE REPORT MAILED:** Jan 7/2000 **SIGNED BY.** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Coast Mountain Geological Ltd. PROJECT LEDGE File # A000020

P.O. Box 11604, 1680 - 65, Vancouver BC V6B 4N9 Submitted by: D. Ridley

DDH-2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Tl ppm	Au* ppb
E 88056	<1	97	3	41	.6	64	27	331	4.58	7	<8	<2	2	220	<.2	<3	8	165	1.06	.122	4	196	1.85	349	.19	3	1.45	.07	1.10	<2	1	<5	2.6
E 88057	<1	137	8	49	.6	66	31	397	5.04	10	<8	<2	2	320	.2	5	7	172	1.38	.129	5	199	2.14	277	.21	6	1.82	.06	1.19	<2	1	<5	1.3
E 88058	<1	52	<3	53	.3	32	27	464	5.40	16	<8	<2	2	188	<.2	<3	<3	170	2.43	.134	5	50	1.24	40	.18	8	1.57	.04	.83	<2	<1	<5	1.6
E 88059	1	127	<3	64	.6	61	37	605	6.12	18	<8	<2	2	331	.7	5	5	232	3.17	.162	6	142	2.14	164	.26	5	2.46	.06	1.44	3	1	<5	2.2
E 88060	<1	92	4	38	<.3	56	24	361	4.06	10	<8	<2	2	201	<.2	<3	3	167	2.33	.128	5	165	1.77	153	.21	4	1.63	.06	.88	<2	<1	<5	5.2
E 88061	<1	82	<3	37	.3	48	21	397	3.88	2	<8	<2	2	595	<.2	<3	5	155	4.27	.127	5	153	1.14	148	.18	<3	1.71	.08	.85	<2	<1	<5	2.0
E 88062	<1	74	<3	41	<.3	57	25	357	5.10	10	<8	<2	2	41	.2	<3	4	195	.93	.145	5	170	1.43	175	.22	<3	1.11	.07	.91	<2	<1	<5	1.6
E 88063	3	77	7	56	.4	44	35	440	5.71	9	<8	<2	3	171	.3	<3	8	184	1.81	.166	7	145	1.48	108	.27	<3	1.89	.11	1.21	<2	<1	<5	4.9
E 88064	2	96	<3	52	.4	114	34	434	3.98	8	<8	<2	<2	134	.4	<3	5	133	1.71	.146	6	264	2.58	250	.20	5	1.95	.11	1.45	<2	1	<5	5.5
E 88065	<1	140	<3	54	<.3	31	27	482	5.29	10	<8	<2	2	71	<.2	<3	<3	212	1.71	.165	7	62	1.30	72	.21	3	1.58	.10	1.02	<2	<1	<5	4.6
RE E 88065	1	143	4	57	.3	32	27	496	5.40	16	<8	<2	2	73	.2	<3	<3	217	1.78	.168	7	64	1.32	74	.22	3	1.61	.10	1.04	<2	<1	<5	5.7
RRE E 88065	<1	144	5	56	.5	31	27	487	5.33	19	<8	<2	2	71	<.2	<3	6	215	1.80	.168	8	61	1.30	71	.22	5	1.58	.10	1.01	2	<1	<5	5.8
E 88066	1	198	4	56	.4	33	30	565	5.21	18	<8	<2	2	64	.4	<3	4	200	2.49	.170	8	55	1.73	120	.24	5	1.94	.18	1.40	3	1	<5	6.6
E 88067	1	151	7	60	.6	44	35	514	5.74	13	<8	<2	2	43	.3	3	5	227	1.44	.174	7	113	1.82	141	.28	4	2.03	.10	1.67	2	1	<5	5.2
E 88068	1	160	<3	42	.3	29	28	475	4.93	21	<8	<2	2	116	.3	<3	3	169	2.93	.169	7	76	.90	45	.19	6	1.43	.13	.70	3	<1	<5	18.2
E 88069	<1	120	<3	55	.3	32	29	503	5.26	13	<8	<2	2	135	.2	<3	5	185	1.92	.161	7	94	1.49	55	.23	4	1.90	.12	1.21	<2	<1	<5	4.2
E 88070	2	184	5	61	<.3	29	24	533	4.91	19	<8	<2	<2	427	.4	3	<3	199	2.30	.174	6	80	1.22	117	.22	6	1.80	.15	.97	4	<1	<5	7.2
STANDARD DS2	15	133	32	168	<.3	39	12	874	3.52	64	15	<2	4	30	11.4	17	19	84	.56	.087	17	176	.63	153	.11	4	1.94	.05	.17	10	<1	<5	217.2

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JAN 4 2000 **DATE REPORT MAILED:** Jan 12/2000 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

662 - 3231

ATTN: KIRK HANCOCK

Data 1 FA

Drill Sections

Legend for Drill Sections
Ledge Project

Lithologies

Bb Basalt: black, aphanitic to very fine grained
Ba Basalt: crowded augite porphyry
Bg Basalt: dark green, aphanitic to very fine grained
Bx Basalt: black, fragmental - ?autobreccia
Gr Granite & leucogranite: , pink, fine to coarse grained
Ap Aplite: pink, aphanitic to very fine grained
Mz Monzonite/granodiorite: grey, very fine to medium grained

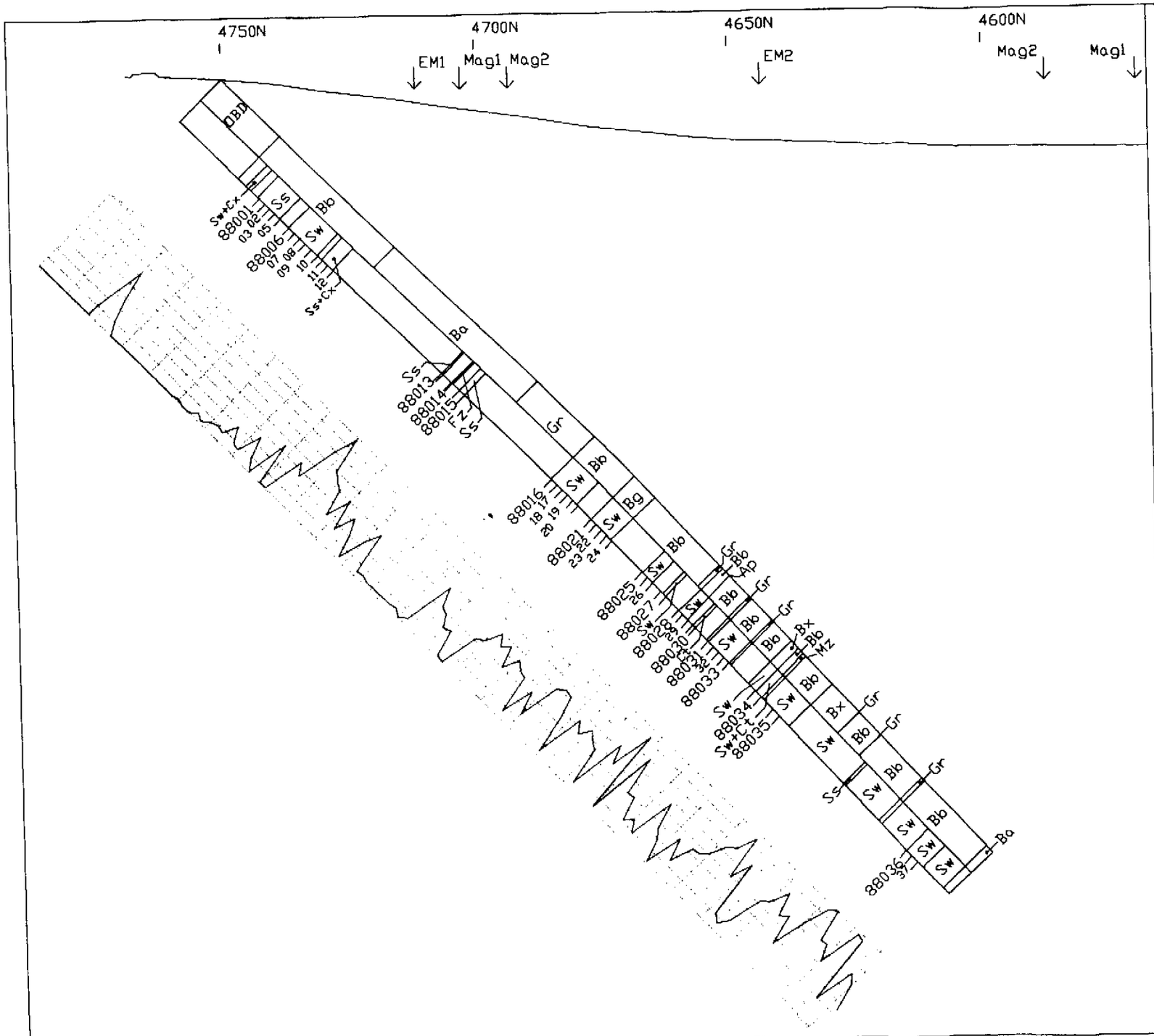
Alteration

Ss Skarn: strong to moderate, quartz-garnet ±chlorite
Sw Skarn: weak, quartz-garnet ±chlorite
Ch Chlorite: green, pervasive and/or small knots
Qz Quartz veinlets
Ct Calcite Veinlets
Cx Crackle texture
Fz Fracture zone
Mt Magnetite
FeOx Iron Oxides [Hematite & Goethite]
SiO2 Silica flood
Clay Clay alteration; intense & pervasive

Magnetic Susceptibility

Susceptibility in SI X 10-3
Grid: across hole: 25 feet per line
along hole: 25 SI X10-3 units per line

Mag1: 68,000 nT contour line
Mag2: 70,000 nT contour line
EM#: HLEM response peak



LEDGE PROPERTY

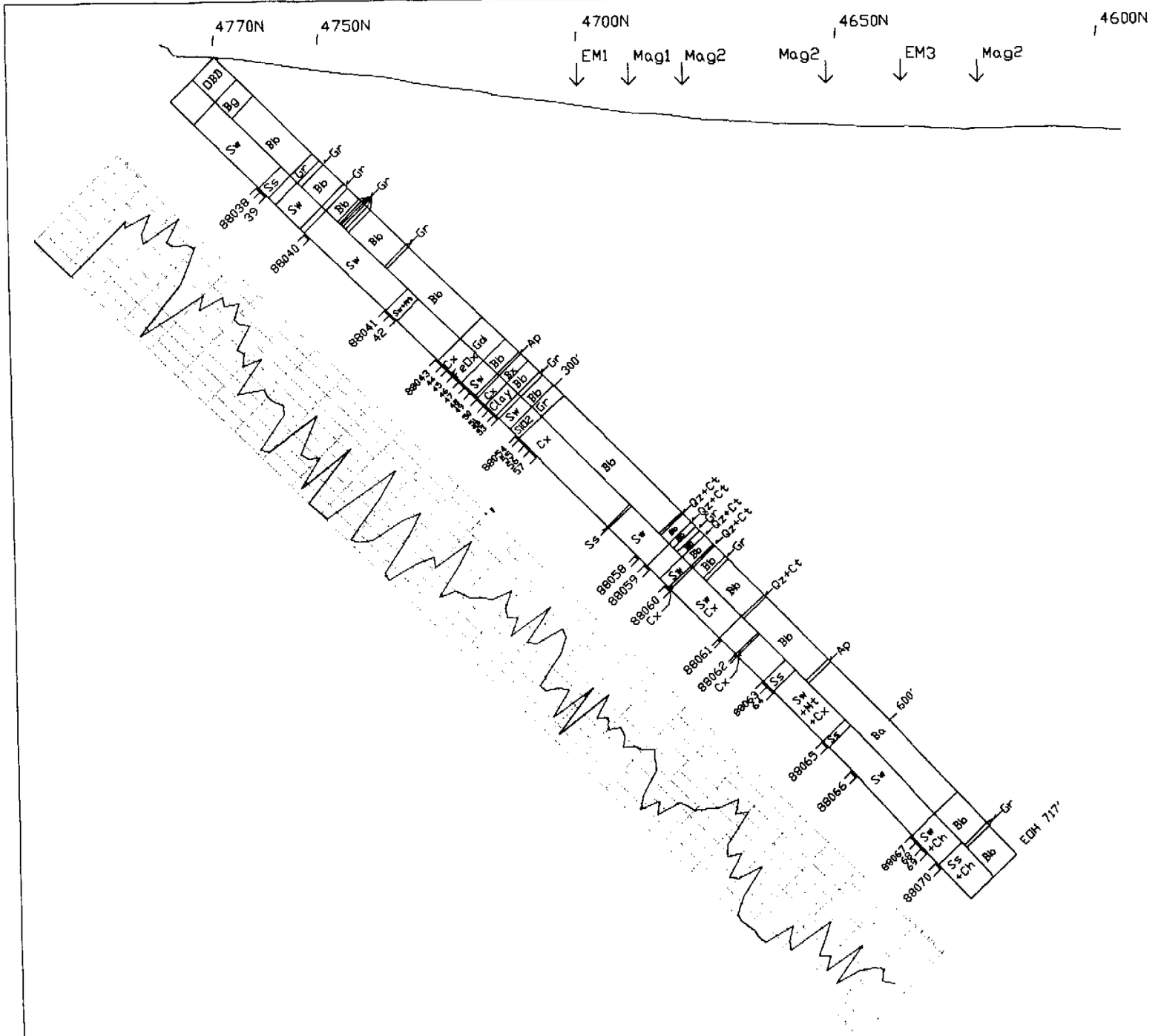
DDH99-01
looking east
on line 7675E

see separate legend

drawn by:
Kirk Hancock, P.Geo.
January, 2000

TNR Resources Ltd.
and
Ivory Oils & Minerals Inc.

0 10 25 50
metres



LEDGE PROPERTY

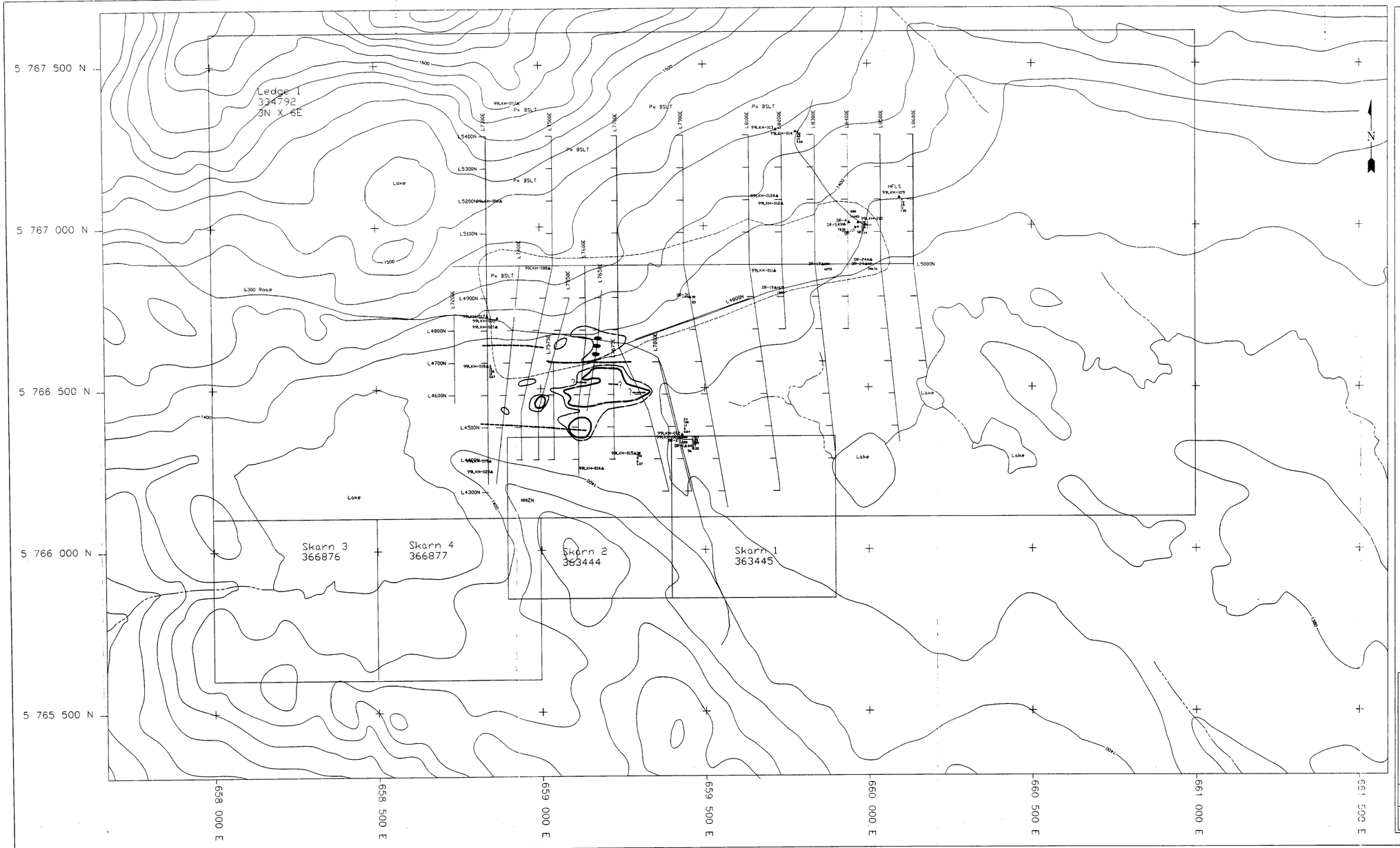
DDH99-02
looking east
on line 7650+8E

see separate legend

drawn by:
Kirk Hancock, P.Geo.
January, 2000

TNR Resources Ltd.
and
Ivory Oils & Minerals Inc.

0 10 25 50
metres



Legend

- Outcrop
- △ Stn. # — Geological Station
- Ledge — Claims [name, units and tenure #]
- Magnetic Anomaly Contours: 68,000 nT; 70,000 nT
- Max-Min Quadrature Responses
- Drill Hole Location and Trace
- Clearcut Outline
- Cut Grid
- Road
- Rock Geochemistry Location
- Soil Geochemistry Location [Au only]
- Streams: permanent, seasonal
- Contour Interval: 20m

Triassic

Px BSLT — Pyroxene Phyrric Basalt: Generally dark green, massive flows with abundant augite phenocrysts. Also includes autobreccia and rare, reworked tuffaceous material of similar composition.

HFLS — Hornfels: black, massive, fine-grained hornfels of above basalt.

Cretaceous?

MNZN — Monzonite: Also granodiorite phases - massive, meduim grained, grey-white intrusion with biotite and hornblende.

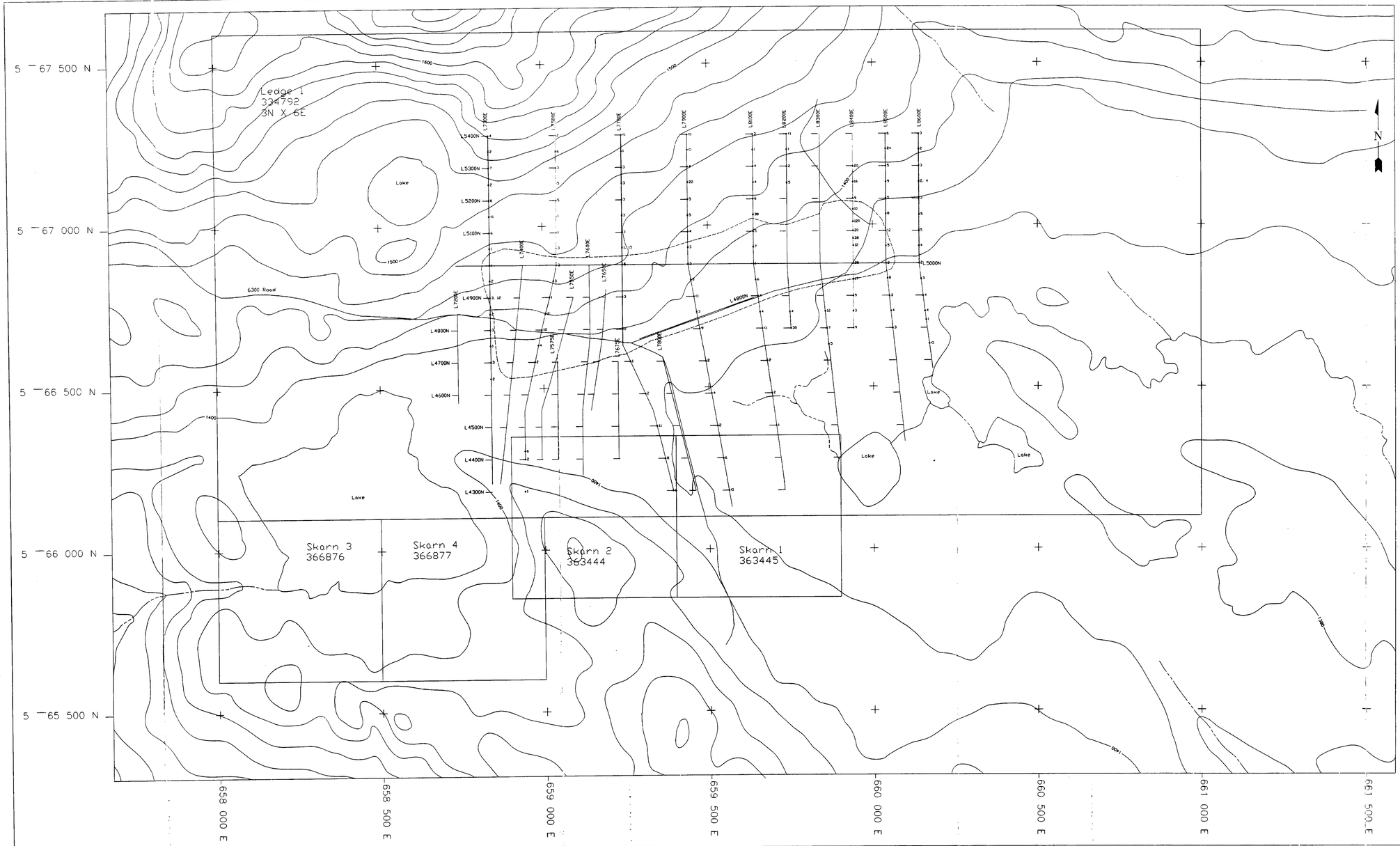
0 250 500
metres

Ledge Property

Cariboo Mining District
NTS 093A/02
UTM Zone 10

TNR Resources Ltd.
Ivory Oils & Minerals Inc.

Date: March 23, 2000	File: Ledge-prop-map.dwg
Drawn by Kirk. D. Hancock, P.Geo.	Figure A-2



Legend

- Outcrop
- Geological Station
- Ledge — Claims (name, units and tenure #)
- Magnetic Anomaly Contours
  - 68,000 nT
  - 70,000 nT
- Max-Min Quadrature Responses
- Drill Hole Location and Trace
- Clearcut Outline
- Cut Grid
- Road
- Rock Geochemistry Location
- Soil Geochemistry Location (Au only)
- Streams: permanent, seasonal
- Contour Interval: 20m

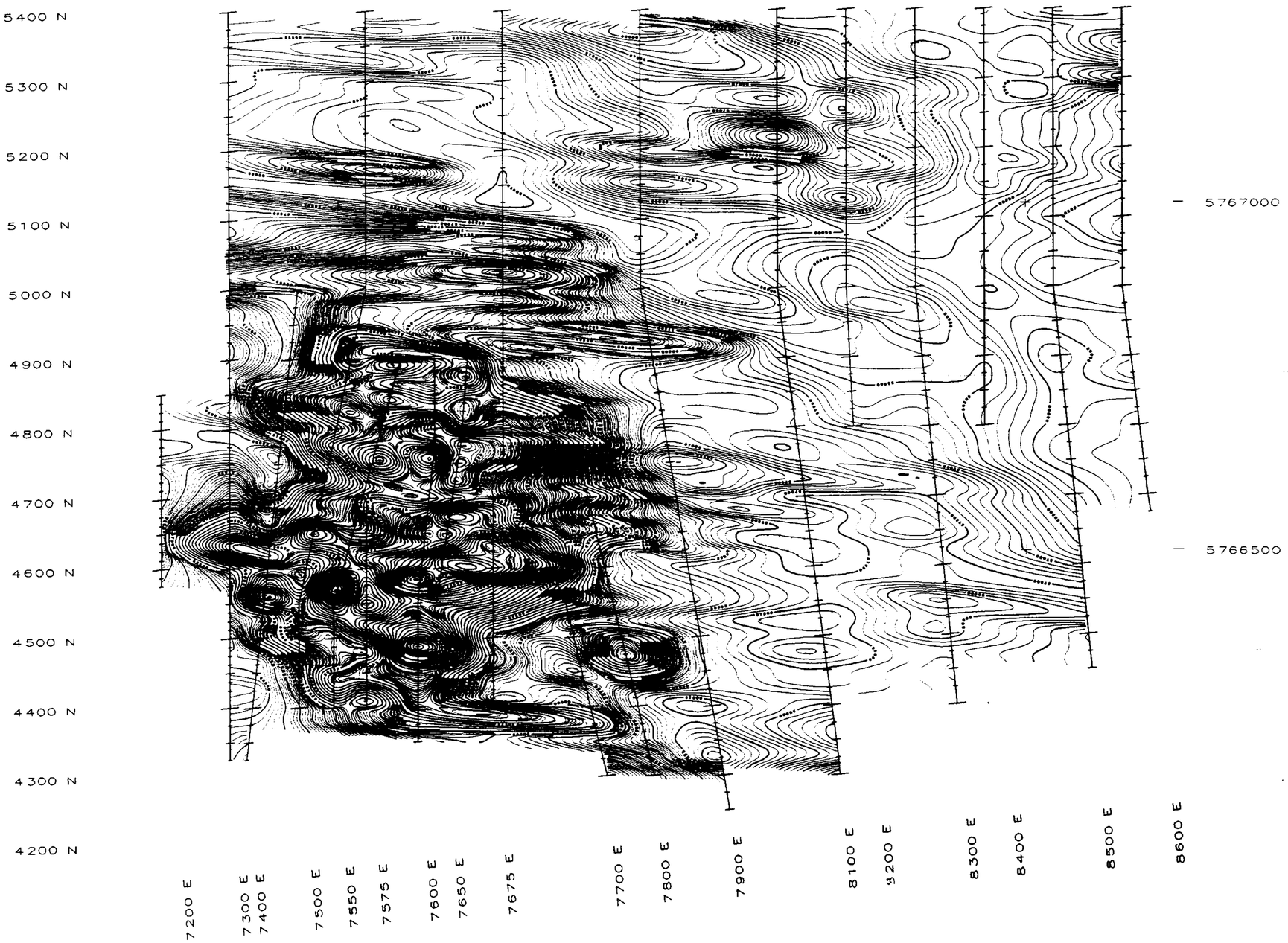
0 250 500
metres

Ledge Property

Cariboo Mining District
NTS 093A/02
UTM Zone 10

TNR Resources Ltd.
Ivory Oils & Minerals Inc.

Date: March 23, 2000	File: Ledge-prop-map.dwg
Drawn by Kirk D. Hancock, P.Geo.	Figure A-3



Magnetic Contour Intervals

2,500 nT

500 nT

100 nT

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,268

TNR RESOURCES LTD.
IVORY OILS & MINERALS INC.

LEDGE PROPERTY

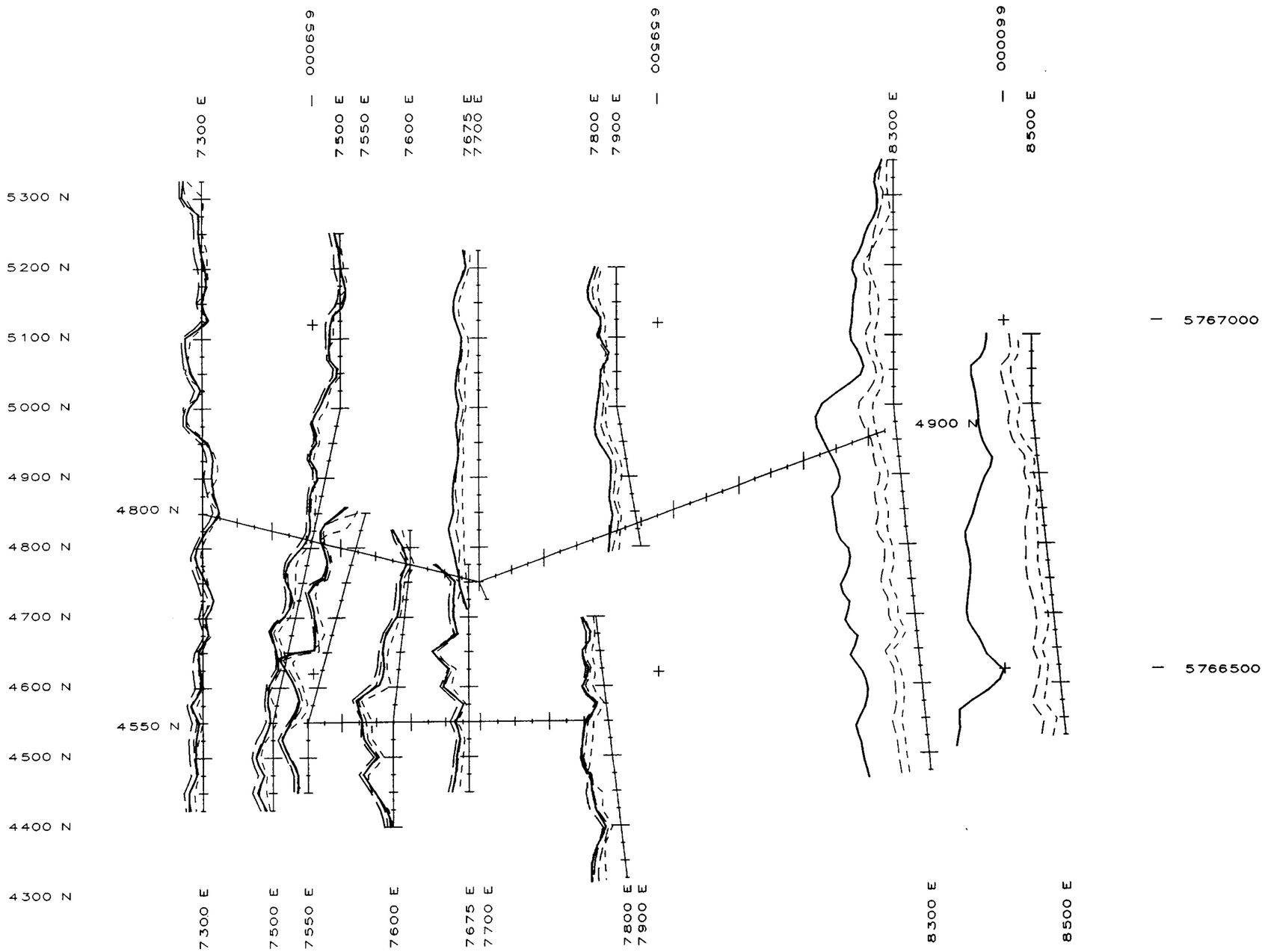
Cariboo Mining Division

Total Magnetic Field Intensity
Contour Map (nT)

100 0 100 200 300
SCALE IN METRES

Survey by: Coast Mountain Geological Ltd.
Plotting by: S. J. T. Consultants Ltd.

Date: October, 1999 Plate: G-1

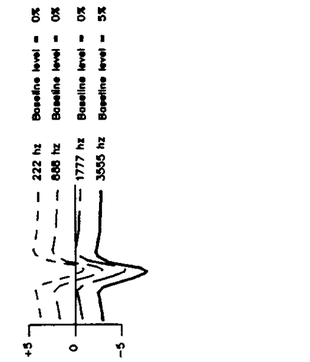


LEGEND

Equipment Used: Max-Min II

Survey Mode: Max 1 (horizontal co-planar)

Coil Sepration: 100 metres



26,268

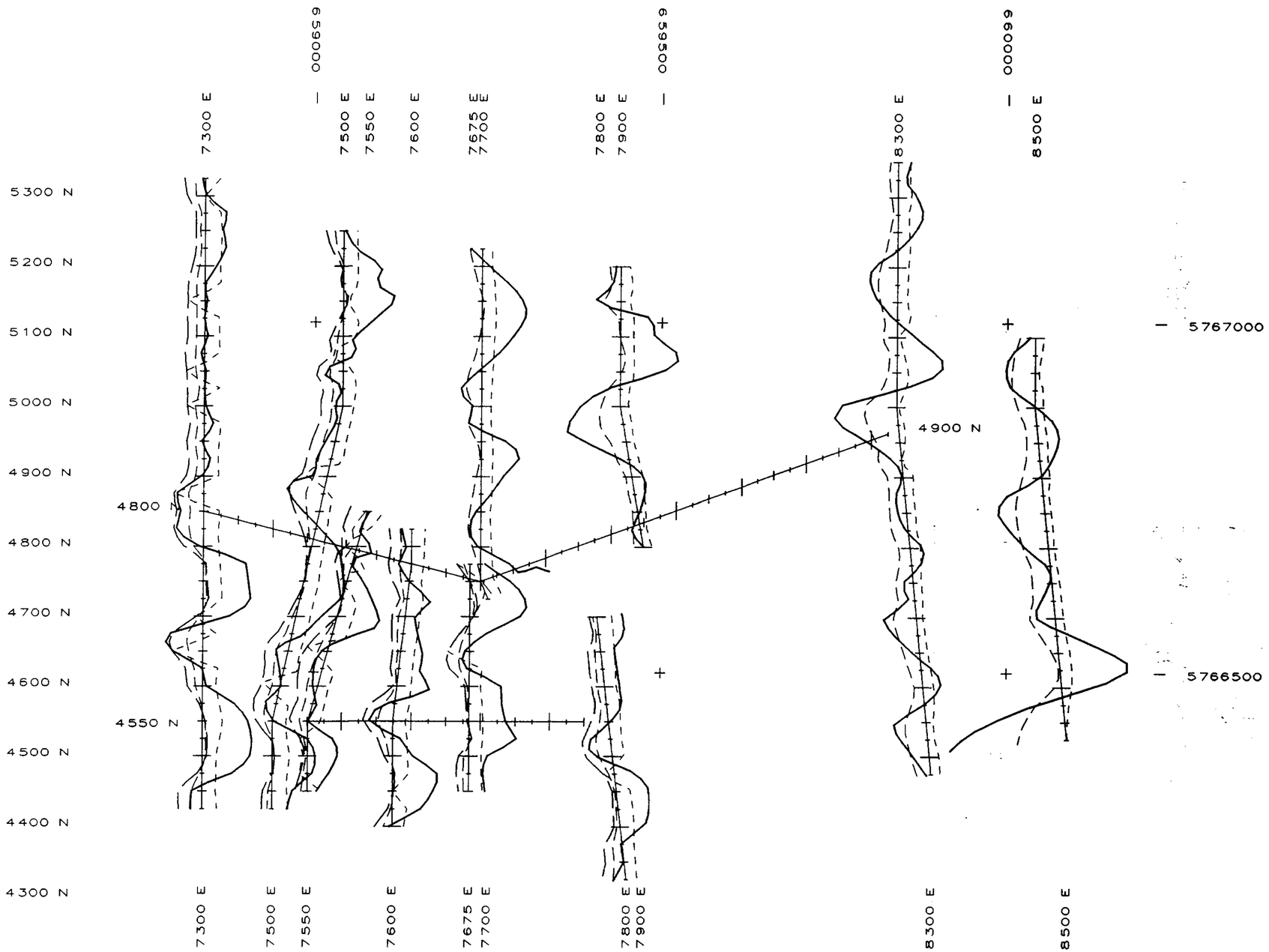
TNR RESOURCES LTD.
IVORY OILS & MINERALS INC.

LEDGE PROPERTY
Cariboo Mining Division
Max Min II Survey
Stacked Profile Map
Inphase Component

100 0 100 200 300
SCALE IN METRES

Date: November, 1999

Plate: G-2a

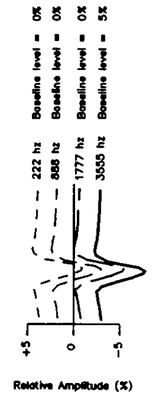


LEGEND

Equipment Used: Max–Min II

Survey Mode: Max 1 (horizontal co-planar)

Coil Sepration: 100 metres



26,268

TNR RESOURCES LTD.

IVORY OILS & MINERALS INC.

LEDGE PROPERTY

Cariboo Mining Division

Max Min II Survey

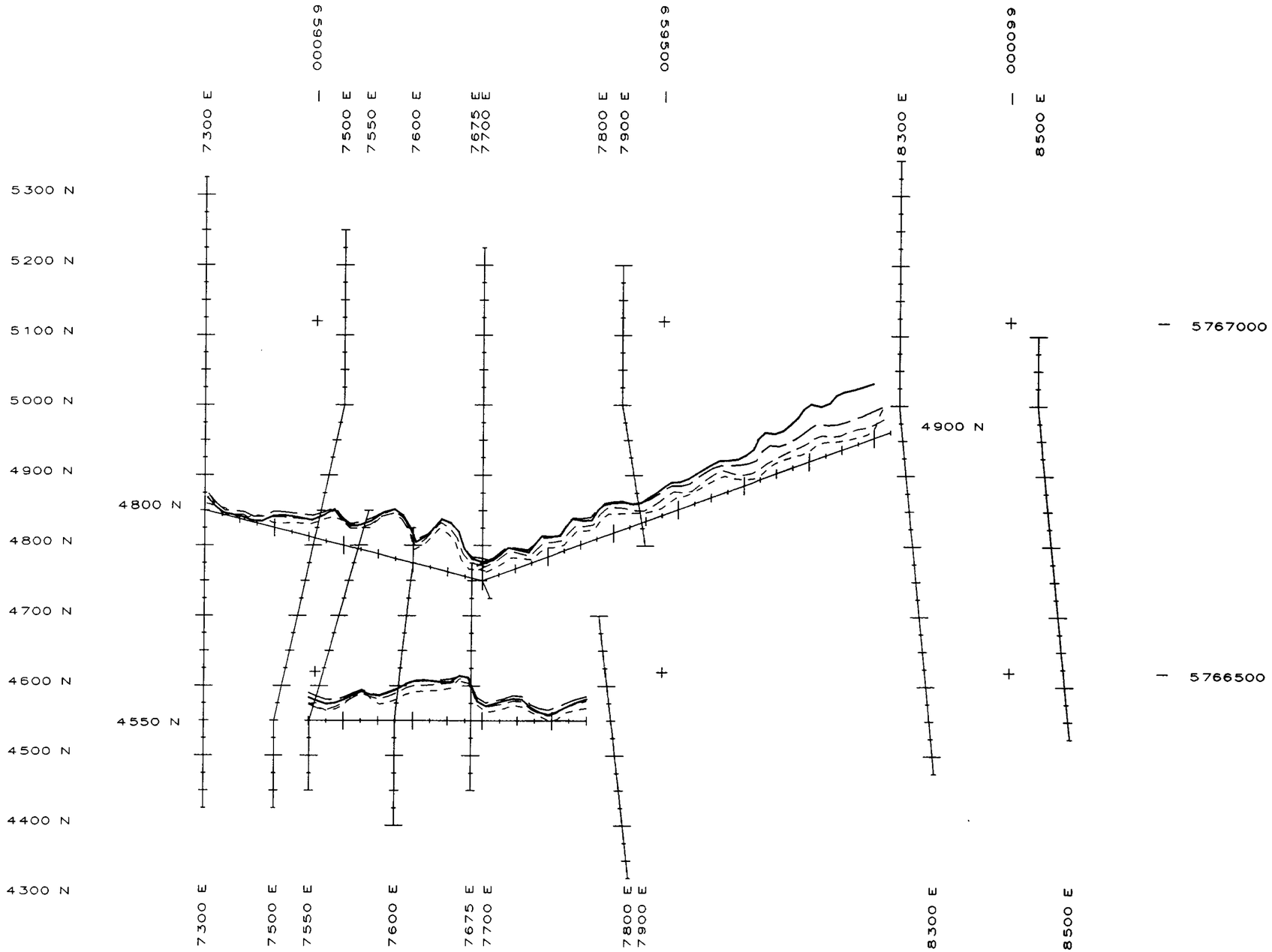
Stacked Profile Map

Quadrature Component

100 0 100 200 300

SCALE IN METRES

Date: November, 1999 Plate: G-2b

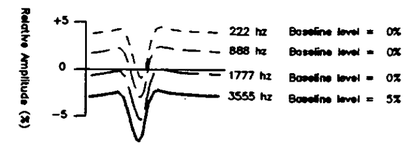


LEGEND

Equipment Used: Max-Min II

Survey Mode: Max 1 (horizontal co-planar)

Coil Sepration: 100 metres



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,268

TNR RESOURCES LTD.
IVORY OILS & MINERALS INC.

LEDGE PROPERTY

Cariboo Mining Division

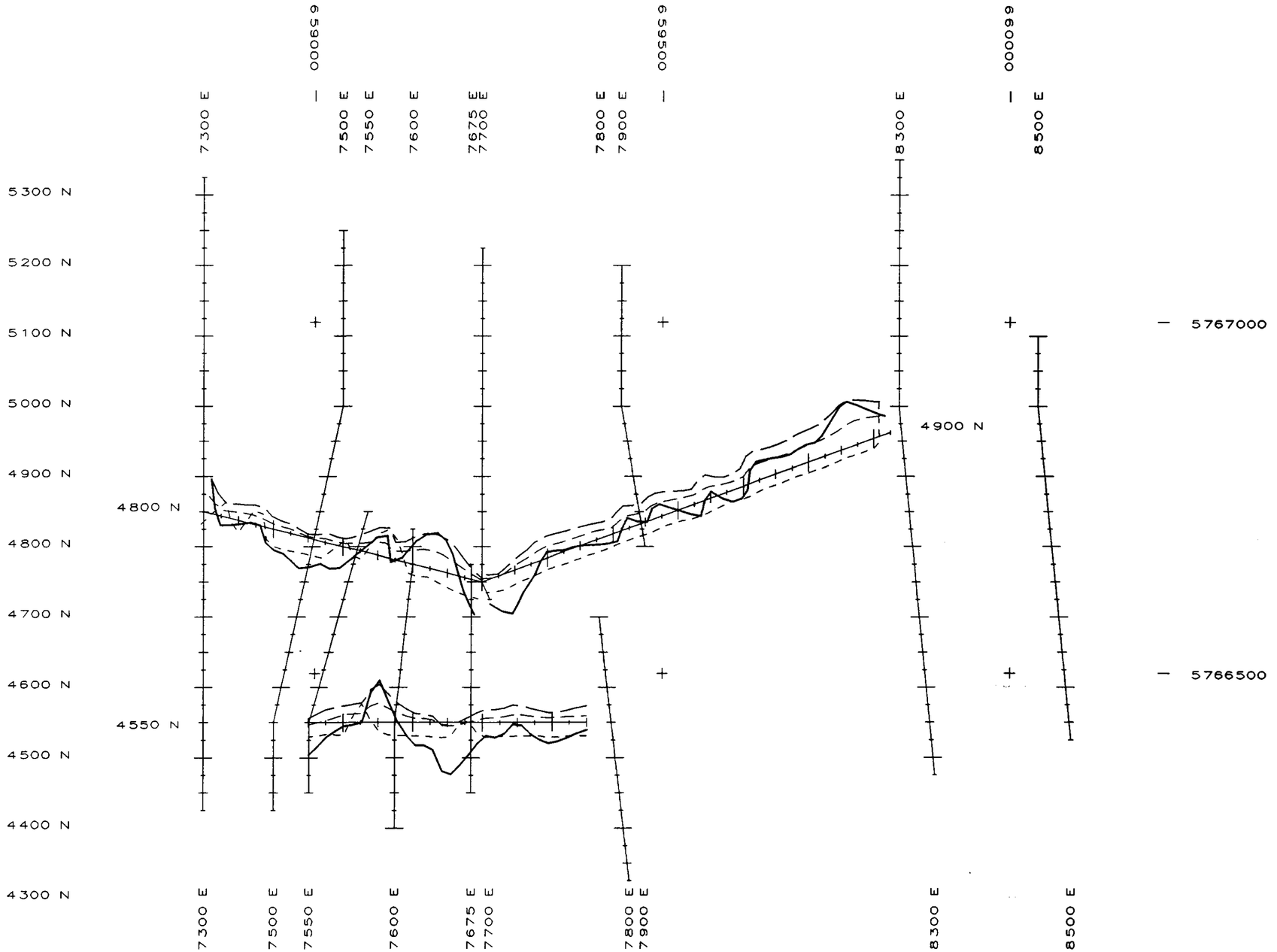
Max Min II Survey
Stacked Profile Map
Inphase Component

100 0 100 200 300

SCALE IN METRES

Date: November, 1999

Plate: G-3a

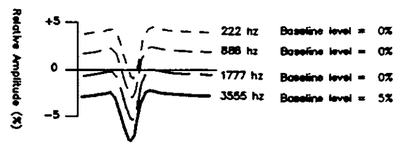


LEGEND

Equipment Used: Max-Min II

Survey Mode: Max 1 (horizontal co-planar)

Coil Sepration: 100 metres



TNR RESOURCES LTD.

IVORY OILS & MINERALS INC.

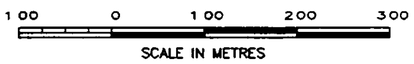
LEDGE PROPERTY

Cariboo Mining Division

Max Min II Survey

Stacked Profile Map

Quadrature Component



Date: November, 1999 Plate: G-3b