ARIS SUMMARY SHEET

District Geologist, Kamloops — Off Confidential: 90.03.30

ASSESSMENT REPORT 18611 — MINING DIVISION: Kamloops

PROPERTY: Galaxy
LOCATION: LAT 50 37 00 LONG 120 25 00
UTM 10 5610164 682755
NTS 092I09W

CAMP: 016 Iron Mask Area

CLAIM(S): Gal,Sugar,GL 1-2,Shear 1-4,Rocket 4-16
OPERATOR(S): Abermin
AUTHOR(S): McLaughlin, A.D.
REPORT YEAR: 1989, 97 Pages
COMMODITIES
SEARCHED FOR: Copper,Gold
KEYWORDS: Triassic,Iron Mask Batholith,Nicola Group,Diorite,Microdiorite
Monzonite,Chalcopyrite,Bornite
WORK
DONE: Drilling,Geochemical
DIAD 1942.7 m 13 hole(s);NQ
Map(s) - 11; Scale(s) - 1:500,1:1000
SAMP 622 sample(s) ;AU,AG,CU
MINFILE: 092INE007

ASSESSMENT REPORT FOR DIAMOND DRILLING ON THE NEW GALAXY GROUP CLAIMS KAMLOOPS MINING DISTRICT, BRITISH COLUMBIA

NTS: 92 I/9W

50° 37' N Latitude 120° 25' Longitude

OWNER
Abermin Corporation
1007 - 700 West Pender Street
Vancouver, B.C.
V6C 1G8

December 1988
Report No. 6-88

A.D. McLaughlin

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1.0 SUMMARY

The New Galaxy Group consists of 64 contiguous units within the Kamloops Mining District. The Group is located eight kilometres southwest of Kamloops B.C.

Abermin Corporation completed a diamond drilling program between October 19 and November 8, 1988. Thirteen holes were drilled totalling 1,942.69 metres. Two zones, Jacko Lake and Juliette, were drill tested. Both zones had been defined on the basis of IP, VLF and magnetometer surveys and favourable geology.

2.0 INTRODUCTION

Abermin Corporation carried out a diamond drilling program on the New Galaxy Group in the Kamloops Mining District. The drilling was completed between October 19 and November 8, 1988.

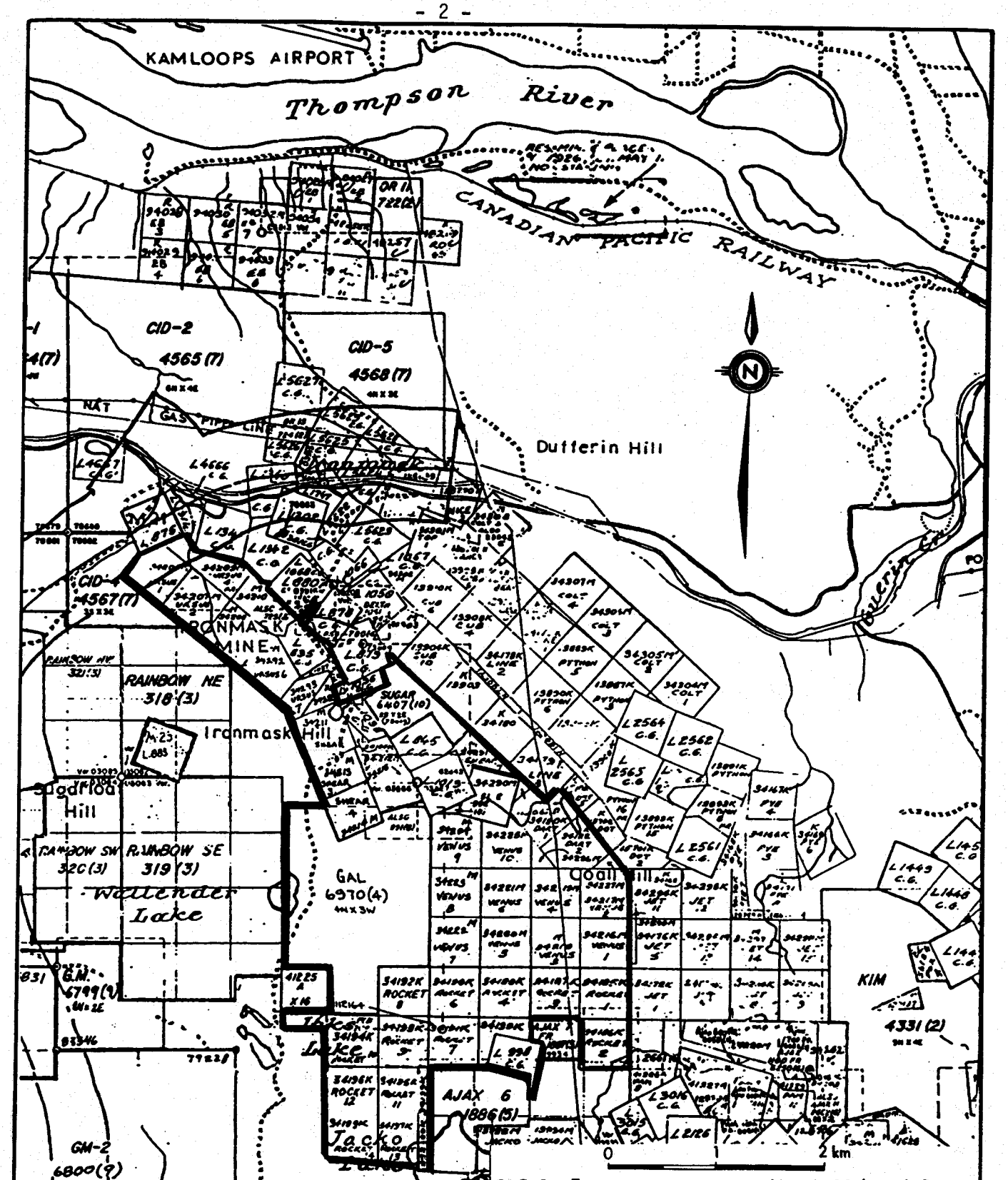
2.1 CLAIMS

The New Galaxy Group consists of 45 two post claims and 4 modified grid claims, together totalling 64 units, owned by Abermin Corporation of Vancouver, B.C., listed in Table I and shown in Figure 2.

TABLE I

New Galaxy Group Claims

Claim Name	Record No.	Recording Date	Expiry Date	No. of Units
Gal	6970	April 1, 1987	1994	12
Sugar	6407	Oct. 21, 1985	1994	4
GL 1-2	991-992	Aug. 22, 1977	1994	2



MINERAL & PLACER REG. O/C 2241, NOV. 29 1985

FIG. 2 To accompany report No. 6-88 by A.D.M.

ABERMIN CORPORATION

GALAXY PROJECT

CLAIM MAP

DATE	SCALE	NTS	DRWG.
Dec. 1988.	1:50000	92I/9	

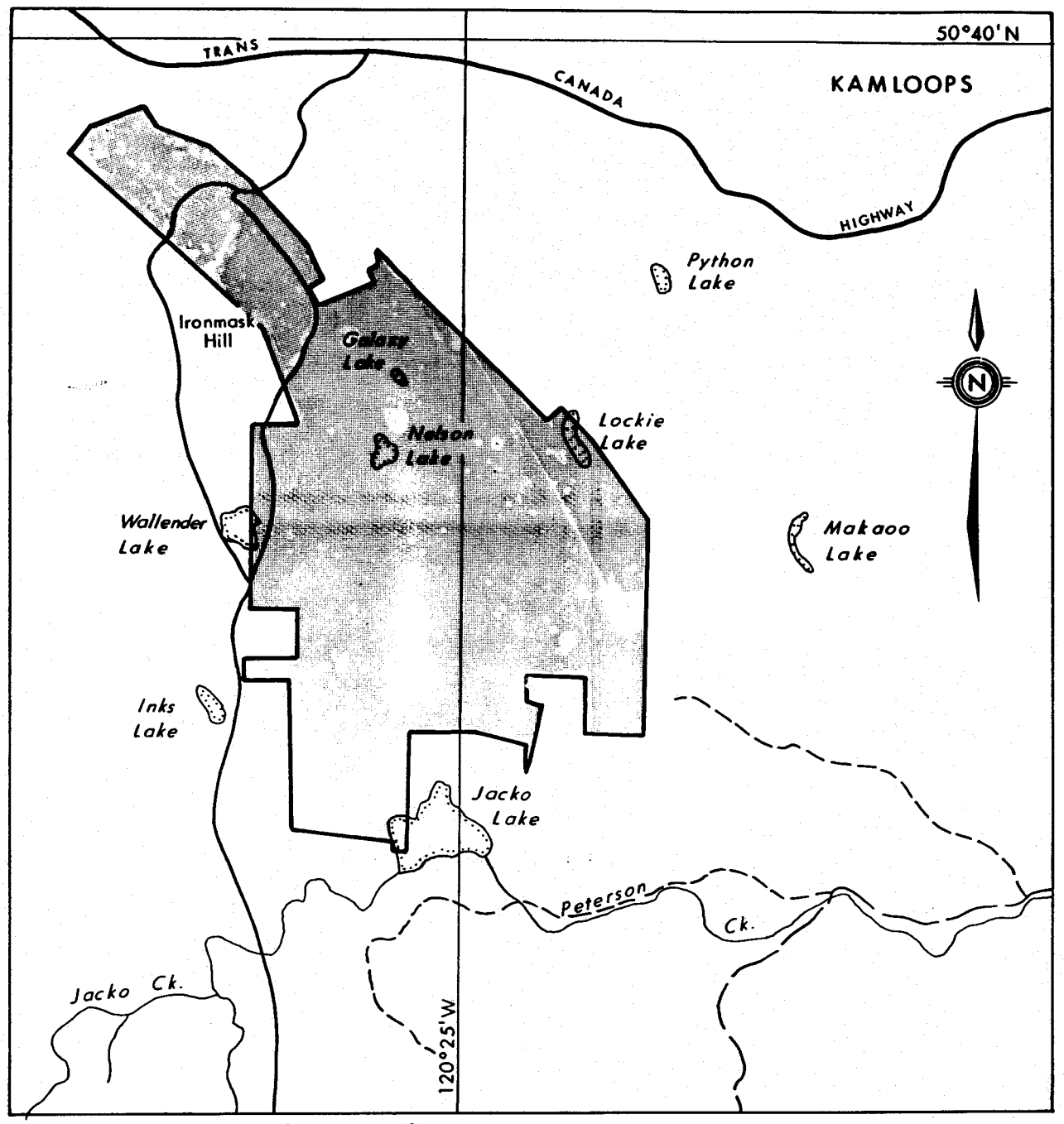
Table I (cont.)

Claim Name	Record No.	Recording Date	Expiry Date	No. of Units
Ursus 1-3, 4FR, 5FR	34206-34210	Sept. 1, 1960	1994	5
Ursus 6, 7FR	34292-34293	Sept. 19, 1960	1994	2
Shear 1-4, 5FR	34211-34215	Sept. 1, 1960	1994	5
Shear 6	34290	Sept. 19, 1960	1994	1
Shear 7FR	34291	Sept. 19, 1960	1994	1
Venus 1	34216	Sept. 1, 1960	1994	1
Venus 2-9	34217-34224	Sept. 1, 1960	1994	8
Venus 10, 11FR	34225-34226	Sept. 1, 1960	1994	2
Dart 1-2	34181-34182	Aug. 30, 1960	1994	2
Dart 3	34227	Sept. 1, 1960	1994	1
Rocket 1, 2FR, 3	34185-34187	Aug. 30, 1960	1994	3
Rocket 4-16	34188-34200	Aug. 30, 1960	1994	13
Key 1FR	34183	Aug. 30, 1960	1994	1
Key 2FR	34184	Aug. 30, 1960	1995	1

2.2 LOCATION AND ACCESS

The New Galaxy Group is located mainly within the boundary of the City of Kamloops, B.C., approximately eight kilometres southwest of the city centre. The property is centered at 50° 37' N latitude and 120° 25' N longitude (Figure 1).

Access to the property from Kamloops is possible via the Trans Canada Highway eight kilometres west of Kamloops to the Lac Le Jeune Highway then south for approximately two kilometres to the north end of the property. The southern claims are accessed by the Jacko Lake road south of Wallender Lake.



0 1 2 km

FIGURE 1

To accompany report No. 6-88 by A.D.M.

ABERMIN CORPORATION

PROPERTY LOCATION
GALAXY PROJECT

Date	Scale	NTS	Drwg No.
Dec. 1988	1:50 000	92I/9	

2.3 TOPOGRAPHY AND VEGETATION

The claims are located at an elevation of approximately 900 metres (A.M.S.L.) with local relief in the order of 150 metres. The property is typical of the semi-arid Kamloops area; mainly open grass and sagebrush covered hills with local stands of pine, spruce and balsam.

Rock outcrop is in the order of 1 to 5% of the total area. Near Jacko Lake outcrop is 5 to 10%.

2.4 HISTORY AND PREVIOUS WORK

The area has had an extensive exploration history dating back to the late 1800's. Copper has been the major commodity sought, often occuring with gold and silver. However except for the Afton Mine, discovered in 1971, none of the deposits found, including Ajax, Iron Mask and Evening Star (Galaxy) were significant producers. The latter, located within the Abermin Galaxy property, has an inferred 3.85 million tons of 0.63% Cu. (Pasieka et al, 1969).

In the southwestern end of the claim group most exploration work consisted of drilling and geophysical surveying. Abermin completed IP, VLF and magnetometer surveys during April 1988 (McLaughlin and McArthur, 1988).

2.5 GEOLOGY

The New Galaxy Group is underlain predominantly by the Iron Mask Batholith. This Triassic-Jurassic batholith is an elongate northwest trending body composed of two plutons; the Iron Mask and the later Cherry Creek. Within the former, four intrusive phases are present: the Iron Mask Hybrid, Pothook, Sugarloaf and Cherry Creek. The Cherry Creek pluton

consists wholly of the Cherry Creek phase. The intrusion is an alkaline complex that has evolved from diorite in the early Iron Mask Hybrid phase to locally syenitic in the last Cherry Creek phase.

The batholith has been emplaced and is comagmatic with the Upper Triassic Nicola Group. This group comprises andesitic to basaltic volcanics and accompanying volcaniclastics. Locally picrite intrusives are present possibly related to the Nicola Group.

Unconformably overlying this batholith-volcanic suite are volcanics and sediments of the Tertiary Kamloops Group.

Major northwest, north and northeast trending faults have controlled and modified the emplacement of various units of the batholith. Post batholith movement on marginal faults have resulted in graben-like structures with the country rock on the down thrown side (Northcote, 1977).

2.6 MINERALIZATION

Numerous copper (± gold) prospects, including the Afton Deposit, are located throughout the batholith. The mineralization is structurally controlled; especially important are the northwest trending faults. It is likely related to hydrothermal activity during the final Cherry Creek phase. Primary mineralization consists of chalcopyrite and bornite veinlets and fracture coatings. Later supergene modification has generated a chalcocite-native copper assemblage. Gold and silver are present in both types.

3.0 DIAMOND DRILLING PROGRAM

3.1 INTRODUCTION

The diamond drill program was designed to test the copper-gold potential of two zones outlined by the April 1988 geophysical program. These two zones, Jacko Lake and Juliette, have a geophysical signature broadly similar to Teck Corporation's Ajax Cu-Au deposit located two kilometres southeast of the Galaxy property. Both zones are underlain by the Iron Mask Intrusion but close to its western contact with the Nicola Group. Frontier Drilling of Langley, British Columbia carried out the program using a Longyear 38 skid mounted drill. Thirteen holes were drilled totalling 1,942.69 metres.

Plate I records the drill hole locations along with the salient geological and geophysical features. The diamond drill logs and rock analyses are presented in Appendices 1 and 2 respectively.

3.2 JACKO LAKE ZONE

3.2.1 INTRODUCTION

The Jacko Lake Zone is located immediately west of Jacko Lake, two kilometres northwest of Ajax. It is defined primarily by an IP chargeability anomaly of >10 msec approximately 500 x 200 metres in size which envelopes several magnetic and apparent resistivity lows. It is also flanked and transected by VLF Fraser Filter anomalies. Delta Geoscience Ltd., the geophysical contractor, had attributed the chargeability anomaly to the presence of 2-4% disseminated sulphides. Coincident faults and/or alteration zones were suggested by the other geophysical characteristics.

Six drill holes (GL-88-01 to GL-88-06) tested this zone (Table I). The drill cross-sections are presented on Plates II to V.

TABLE II
Jacko Lake Zone Drilling

DDH #	Location	Azimuth	Dip	Total Depth (m)
GL-88-01	5+25W/2+20S	045°	45°	154.33
GL-88-02	L5+00W/1+10S	045°	60°	121.00
GL-88-03	L4+00W/3+50S	045°	45°	178.91
GL-88-04	4+12W/1+93S	045°	50°	127.10
GL-88-05	L3+00W/1+38S	045°	50°	169.16
GL-88-06	L7+00W/1+20S	045°	50°	137.04

3.2.2 GEOLOGY AND ALTERATION

The Jacko Lake Zone is underlain by the Iron Mask Hybrid Unit in contact with Nicola Group mafic volcanics to the west. The intrusive unit consists primarily of agmatitic diorite with lesser microdiorite. The agmatitic unit contains angular to rounded mafic fragments in a dioritic matrix. Textures and composition are variable with gabbro to hornblendite phases present. The microdiorite is typically weakly porphyritic with up to 5% hornblende crystals occuring in a fine grained feldspar-hornblende rich groundmass. Both phases contain 5-10% disseminated magnetite. Occasional one centimetre magnetite lodes are found and rarely semi-massive lodes up to 1.5 metres wide (DDH GL-88-03). The microdiorite is generally more magnetite rich; 20% by volume is not uncommon.

Nicola Group volcanics occur at the top of DDH GL-88-03 and possibly DDH GL-88-01. In both instances the volcanics are relatively non-descript dark green flows and tuffs with few primary textures. Thin Tertiary (?) age felsic dykes cut the intrusive rocks.

All rock types are moderately fractured with slickensides found throughout. Chlorite, calcite and often epidote coat most structural breaks. Although no major fault zones are indicated numerous shear and gouge zones up to two metres wide are present. DDH GL-88-06 contains multiple shear zones with variably developed cataclastic textures.

The Hybrid Unit is moderately altered. Chloritization and saussuritization of the mafic and felsic minerals respectively is ubiquitous. Epidote is also prevalent occuring as irregular patches to pervasive bands with calcite up to one metre wide. Hematite is less common forming after magnetite or along fractures. It also occurs as poorly defined zones up to several metres wide close to fault zones and, locally, with increased calcite-quartz veining.

Pink to orange coloured feldspar patches or microveins occur rarely. A lightening or bleaching is occasionally developed.

3.2.3 MINERALIZATION

Significant copper and gold mineralization is not present in any of the drill holes. A narrow magnetite lode (1.5 metres apparent width) intersected in DDH GL-88-03 contains up to 1% chalcopyrite and 5% pyrite over 0.30 metre intervals. Assay results returned 0.26% Cu, 92 ppb Au and 1.1 ppm Ag over the lode width. The wallrock is not mineralized.

Other anomalous analysis are listed in Table III. A total of 117 drill return samples and 68 drill core samples were analyzed. Three core samples were assayed and the remainder geochemically analyzed.

Table III
Summary of Jacko Lake Zone Analysis

DDH #	Interval (m)	Width (m)	Values Cu ppm	Au ppb	Ag ppm	Description
GL-88-01	25.29-26.22	0.93	43	387	0.6	weakly pyritic, epidote altered microdiorite.
	41.87-42.45	0.60	19	507	<0.1	calcite-quartz veined bleached diorite.
-05	23.98-24.58	0.60	1322	37	0.5	pyritic, saussurite altered microdiorite.
	67.76-68.26	0.50	2069	142	0.7	pyritic-chalcopyrite in hematitic diorite.

Overall there is a weak enrichment of copper associated with sulphide mineralization. This is typical of the intrusion on a regional scale. Minor disseminated to microveins of pyrite occur throughout the intrusion but rarely exceed 1% by volume over any appreciable width. The diorite breccias are usually more pyritic.

The Nicola Group volcanics are more pyritic than intrusive rocks but again only in minor concentrations.

Two types of veins are present in the drill core. First, narrow white to grey massive quartz veins occur throughout which are cut by drusy to massive calcite (± quartz) veins up to 0.30 metres wide. These latter veins often exhibit coxcomb textures with open spaces and euhedral crystals of calcite and quartz. Hematite, pyrite and chlorite are variably present. These latter veins are locally auriferous i.e. 507 ppb Au in DDH GL-88-01 between 41.87 and 48.47.

3.2.4 DISCUSSION

Obviously, potentially economic mineralization is not present in these drill holes. The copper enriched magnetite lode in DDH GL-88-03 is similar to others well documented in the Iron Mask intrusive. The small size and low copper values downgrade its importance at this time. All other metal

values seem to reflect the regionally enriched but erratic copper-gold nature of the intrusion. Although the rocks are variably altered and fractured there is no clear indication of nearby copper-gold mineralization.

It appears the IP chargeability anomaly, which essentially defines the Jacko Lake Zone, is due to the high magnetite content with the pyrite a contributing factor.

3.3 JULIETTE ZONE

3.3.1 Introduction

This zone is located one kilometre northeast of the Jacko Lake Zone. It consists of a 600 x 400 metre "U" shaped chargeability anomaly >10 msec striking west-northwest between L10+00W and L16+00W. This chargeability response envelopes a similiarly striking apparent resistivity low. The zone lies adjacent to a regional magnetic high to the south.

The chargeability anomaly was interpreted to be due to a zone of disseminated sulphides with a southwest dip. The VLF conductors, likely related to faulting, were considered to dip steeply to the southwest in the southern half of the chargeability anomaly and to the northeast in the north half (McLaughlin & McArthur, 1988).

Seven drill holes (GL-88-07 to GL-88-13) tested the Juliette Zone (Table III). The results are recorded on Plates VI to XI.

Table IV
Juliette Zone Drilling

DDH #	Location	Azimuth	Dip	Total Depth (m)
GL-88-07	L11+00W/1+30N	045°	45°	117.96
GL-88-08	L10+00W/2+60N	045°	45°	163.68
GL-88-09	L13+00W/3+00N	045°	50°	149.65

Table IV (cont.)

DDH #	Location	Azimuth	Dip	Total Depth (m)
GL-88-10	14+07W/3+62N	045°	45°	194.15
GL-88-11	11+93W/2+22N	045°	45°	137.10
GL-88-12	L8+00W/3+00N	045°	45°	152.70
GL-88-13	10+03W/0+40N	045°	45°	139.29

3.3.2 GEOLOGY AND ALTERATION

The zone is underlain by the Iron Mask Hybrid Unit and the Cherry Creek Unit of the Iron Mask Intrusion. The Hybrid Unit has been previously described in Section 3.2.2. The Cherry Creek Unit, located on the northeastern side of the Juliette Zone, is present in DDHs GL-88-09 and 10. Typically it is a monzonite to syenite in composition, fine grained and equigranular. It is weakly magnetic, containing 1-5% very fine grained disseminated magnetite. The contact with the Hybrid Unit is marked by a 10-20 metre wide bleached zone which often obscures the original rock texture. Based on limited drill hole information the contact dips steeply to the southwest.

Structurally, the rocks are moderately fractured with local slickensides and thin shear zones. Two faults dipping steeply to the southwest are present in DDHs GL-88-10 and 11 correspond to VLF conductors.

Alteration found in drill core is similar to the Jacko Lake Zone, especially the Hybrid Unit. Cherry Creek lithologies are less chloritized but have undergone increased epidote, calcite with lessor dolomite, hematite and feldspar alteration forming irregular patches or microveins. Hematite also occurs after magnetite and with calcite as microveins especially near fault or fracture zones.

Similar to the Jacko Lake Zone quartz and drusy calcite (± quartz) veins cut the intrusive rocks. Commonly less than 2 millimetres wide, they

can form an irregular stockwork system up to one metre in apparant width. The wallrock is often bleached in these stockwork systems.

3.3.3 MINERALIZATION

Only trace amounts of copper mineralization were intersected. Minor chalcopyrite locally occurs with increased pyrite concentrations. Pyrite, as fined grained disseminations to 5 millimetre microveins, varies up to 2% over ten metre intervals. Overall it is more common near the contact of the two intrusive units; especially in the Cherry Creek phase.

Gold mineralization has been found associated with the late stage drusy calcite-quartz stockworks. Very fine grained pyrite is locally present along with variable bleaching, silicification and hematization. The primary rock texture is often destroyed. Table IV summarizes the gold bearing zones. All together 162 drill core samples and 275 drill return samples were analysed.

3.3.4 DISCUSSION

It appears the Juliette Zone, specifically the chargeability anomaly, is caused by magnetite and pyrite bearing Iron Mask Intrusive rocks. The VLF conductors, apparent resistivity lows and often the magnetite lows seem to reflect fault zones or the major intrusive unit contacts. Although significant copper mineralization is not found in the drill sections, the gold values with the calcite-quartz stockworks are of interest.

CORE STORED IN WAREHOUSE LOCATED AT 947 WEST 1ST STREET NORTH VANCOUVER

Table V

Summary of the Juliette Zone Analyses

DDH #	Interval(m)	Width(m)	Values Cu ppm	Au ppb	Ag ppm	Description
GL-88-08	95.55-97.04	1.49	11	1290	<0.1	Chloritic-hematitic diorite, calcite-quartz veins.
	97.04-98.02	0.98	25	3970	<0.1	As above
	98.02-98.97	0.95	10	132	<0.1	As above
GL-88-09	105.90-107.51	0.61	158	1564	1.0	Diorite breccia, sil-calc frags, 10% pyrite.
	107.51-108.31	0.80	76	616	0.6	Mafic dyke, weakly pyritic.
GL-88-11	50.35-51.65	1.30	23	1358	0.3	Diorite, sheared, quartz veins.
	51.65-52.33	0.68	26	474	<0.1	As above, less altered
	124.48-124.66	0.18	13	767	0.1	
	124.66-125.27	0.61	31	9790	0.2	Diorite, bleached hematite, pyrite, calc-qtz veins.

Summary of Mineralized Intersections

GL-88-08	95.55-98.02	2.47m	2353 or 0.069 oz/T Au
GL-88-11	50.35-52.33	1.98m	1054 or 0.031 oz/T Au
	124.48-125.27	0.79m	7734 or 0.226 oz/T Au

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APPENDIX I
DIAMOND DRILL LOGS
AND
LOG EXPLANATION

Detailed Descriptions of Lithologies in Drill Logs

IRON MASK HYBRID UNIT

Microdiorite

Medium to dark green, massive, fine grained, equigranular to slightly porphyritic; 20-40% strongly chloritized hornblende <0.5 mm with minor pyroxene, 0-5% chloritized subhedral hornblende <1 cm giving weak porphyritic texture in chloritic-saussuritic light green ground mass; 10-20% disseminated magnetite <4 mm generally but locally to 1 cm blebs; unit can contain up to 30% diorite (see below) as irregular patches or fragments to bands up to 2 metres wide.

- pervasive chloritization and saussuritization of ground mass common with moderate chloritization of mafic minerals up to 5% epidote ranging from discrete patches <2 mm to pervasive bands up to 1.0m often occurring with calcite and minor pyrite.

- chlorite, calcite, saussurite with occasional white clay (talc or zeolite?) are present along most fractures.

Diorite

Light to medium grey, massive, fine to coarse grained; variable crystal size and percentages, commonly agmatitic texture with fragments <10 cm; 10-40% hornblende <4 mm but locally to 1 cm, 0-10% pyroxene <1 m, 0-10% feldspar <1 mm. 30-50% plagiaclase <2 mm commonly to 1 cm. Unit can vary from gabbro to monzonite in composition. Coarser grained versions with crystals to 1 cm are present with "pegmatitic" texture often occurring with hornblendite phases. 1-10% magnetite <3 mm, agmatitic texture often very indistinct - weak to moderate. Alteration is similar to that found in microdiorite except saussuritization is more dominant, with less chloritization.

CHERRY CREEK UNIT

Monzonite to Syenite

Light to medium green, massive, fine grained, equigranular, with occasional very indistinct agmatitic texture developed, <25% euhedral hornblende <1mm, minor pyroxene in finely granulated feldspar plagioclase, with rare quartz, ground mass; 0-5% disseminated magnetite <0.5mm.

- weakly chloritized after mafic minerals, weakly saussuritized feldspar, weak to moderately calcerous.

- 5% disseminated to semi-pervasive bands of epidote <1.0m.

- often "bleached" light grey to green colour with primary textures obscured.

- calcite, chlorite, local epidote along fractures.

Abbreviations Used in Drill Logs

A

aa	as above
agg	aggregate
agm	agmatitic
alt	altered
ank	ankerite
aph	aphanitic

B

bl	blue
blch	bleached
blk	black
br	brown
brx	breccia
btwn	between

C

c	coarse
calc	calcerous
carb	carbonate
cc	calcite
ccbx	cataclastic texture
chl	chlorite
col	colour (ed)
com	commonly
cont	contact
cpy	chalcopyrite

D

dcrs	decreasing (ed)
dlvp	developed
dior	diorite
diss	disseminated
dk	dark
dol	dolomite

E

E	epidote
envlp	enveloped
equig	equigranular
esp	especially
ext	extremely

F

f	fine
Fe	iron
fel	felsic
fldsp	feldspar
flt	fault
fol	foliation
frac	fracture (d)
frag	fragment

G

gen	generally
gg	gouge
gr	grained
grn	green
gy	grey

H

H	hematite
h	hard
horn	hornblende

I

inc	increased
intr	interval
irreg	irregular

K

k-spar	potassium feldspar

L

loc	local (ly)
low	lower
lt	light

M

M	magnetite
m,med	medium
mag	magnetic
mas	massive
mcb	moderately calcerous
mfc	mafic
microvns	veins <1 cm wide
mnly	mainly
mnr	minor
mod	moderate
mot	mottled
mtx	matrix

N

nrw	narrow

Q

Q, qtz	quartz

R

rd	rounded
rem	remaining
rr	rarely

Abbreviations Used in Drill Logs

S

saus	saussurite
scb	strongly calcerous
ser	sericite
SF	silicification
sil	silicified
sim	similar
ss	slickensides
str	strongly
strg	stringer

T

tex	texture
thn	thin
tr	trace
trans	transitional

U

up	upper

V

v	very
var	variable
vn	vein

W

wcb	weakly calcerous
wht	white
wk	weakly
wr	wallrock
/	with

X

xl	crystal
xline	crystalline

Z

zeol	zeolite

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-01

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.00	6.09	OVERBURDEN		
		IRON MASK UNIT		
UNIT	1	Micro Diorite, m grn, f-m gr | depth, <5%	ϕ mag, mnr v f gr diss py,	50-60° cc vns
6.09	15.62	chl mafic x/s (horn?) <1mm in med grn	w-mod | <5% cc vns, loc	
		aphn mtx,	contorted / boudins, mod chl,	
		* Unit pos Nicola Group volc		
		9.50 - 9.75 Shear, gg		
		11.00 - 15.04 Shear, variable ccbx / contorted	mnr E vns	
		Fol,		
S	1-2	11.60 - 13.14 str shearing	1-5% py as 1mm strg	
				Fault Contact
UNIT	2-A	Intrusive Breccia, dk grn to gy, mas, 35% ang	5-10% M, 1% diss to strg	
15.62	18.59	to sub-rd mfc Frags (gen dior) <2cm	py rr after Frags, str E,	
		in fgr dior to aphn maroon - blk mtx	mnr H, wk patchy SF in	
			mtx, Frags var alt to cc,	
			chl and E	
S	2-1	15.62 - 17.15		
S	2-2	17.15 - 18.59		
UNIT	2-B	Microdiorite	10-15% M, 5% E, mnr py rr	
18.59	28.65		to 1cm vns,	
		25.30 - 27.25 10% E in bands to 3cm, incr py		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-01

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
S	2-4	25.29 - 26.22		
UNIT	3	Microdiorite	15 M, 7% E, 2% Q-ank vns	
28.65	39.90		cross cutting py strg in low 1.8m	
S	3-2	34.55 - 35.44 1-3% py strg; mnr cpy in low 11cm / 10% py.		
UNIT	4	Diorite	5-10 M, 2% Cc ± Q vns < 2cm, mnr py	Vns 40°-50°
39.90	59.58			
S	4-2	41.87 - 42.47 lt br to grn, blch, mod SF, mnr E		
		54.45 - 55.95 patchy SF, slight incr py		
UNIT	5	Microdiorite	15 M up to 5mm blebs, < 5 E, tr py, 2% cc, Q-cc vns	
59.58	64.23			
UNIT	6	Dacite, wk alty aggm tex loc pps dior intrusive breccia	< 5 M, mnr py, wk SF in mtx	
64.23	67.32			
UNIT	7	Diorite	5-10 M, < 3 E, 2% Cc vns	
67.32	78.74			
		68.25 - 69.22 gen. blch lt gn, lt br clay wisps < 1mm		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-01

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
UNIT	8	Diorite	10-15 M, 7 E, up to 1%	mnly broken
78.74	84.94		py as diss to microvns esp	core low 4.6m
			near E	str frac / mnr
S	8-2	79.98 - 81.38		gg zones
S	8-3	81.38 - 82.90		35°, 50° frac
S	8-4	82.90 - 84.40		
S	8-5	84.40 - 84.94		
UNIT	9	Diorite, agm tex best dlvp below 95.0m	5-10 M, 5-10 E, mnr py, wk	
84.94	154.53		patchy SF, 1-2% Cc vns below 113.5m	35°, 60-70°
S	9-2	100.10 - 100.71		
		108.16 - 109.10 MFc Dyke, vfgr		up cont 20°
				low cont 37°
		124.30 - 125.40 cchx / chl and H along Fracs		40-45°
S	9-4	129.70 - 131.04 Shear, contorted Fol, cchx, chl, H	partially after M	0-15°
S	9-5	131.04 - 131.97 loc gg / SS		20-30°
S	9-6	131.97 - 132.85		
S	9-7	132.85 - 133.65		
S	9-9	147.61 - 148.62 5% py strg to 2mm, 15 E		
S	9-10	148.62 - 149.29 2% py as above		
		149.61 - 150.60 Frac broken core, 5% open space	cc vns <1cm	5-10°
		TD 154.53m		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-02

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.0	3.60	O/B		
UNIT	1	Diorite	5M, 5E com as 1cm vns, tr	E vns 45-50°
3.60	15.80		py, <2% Q-Cc vns; patchy feld-	
			spar alt btwn 6.22-6.42m	
		6.60-7.05 Shear, mnr gg, 2% py, mnr H		55°
		8.94-14.47 mnr to loc 0-5% py over nrw intrus		
		\ incr E		
UNIT	2	Diorite, com agm tex | frags to 8cm	5-10M, 7E, 3% Q, Q-Cc vns	
15.80	19.85		mnr py	
		16.68-16.82 milky Q vns, 10% py		
		19.26-19.41 Felsic Dyke, chl strg		48°
UNIT	3	Diorite	5M, 10E in bands to 10cm,	
19.85	32.22		5E below 27.0m, mnr py, mod-	
			str SF | rr blch zones	
		28.92-29.15 Shear		45°
		30.12-32.22 Diorite	10M, 3% py in up 35cm	
UNIT	4	Diorite	5M, mnr py, mnr H along fracs	
32.22	46.63		5E incr to 7 | depth	
UNIT	5	Microdiorite	15M, 5E, tr py	
46.63	47.84			
UNIT	6	Diorite v str alt | blch, variable E, Q vns,	mnr M, mnr py	
47.84	50.20	patchy pink Fldsp alt,		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-02

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
S	6-2	48.48-49.14 mgs E ddcrs / depth, occrs / calc, ank		soft, friable
S	6-3	49.14-50.20 var patchy E and SF, loc blch lt gy / indistinct xline tex, 2% lt br clay alt		mnr gg in lows 50 cm
UNIT	7	Diorite	5M, 5E	
50.20	91.22			
S	7-2	57.09-58.69 50 E / wht qtz patches, 1% lt br clay -ser alt ggg to 2mm, mnr H, 3% py gen \E oc diss to irreg strg		
		69.00-75.00 mod wht to lt gn SF in mtx		
		75.00-76.10 broken core, SS, mnr gg along fracs		20°-35°
		79.06-79.96 60 E		
		80.50-80.80 Shear		0°, 40-50°
S	7-4	90.59-91.22 50 E / cc, Q, 2% py, mnr H / fracs		
UNIT	8	Microdiorite	<5M, 5E, 2% Cc, Cc-Q vns	
91.22	93.55			
S	8-2	92.75-93.32 Shear, loc gg esp up 35cm	SCB, SF in lows 25cm / chl strg	30°
UNIT	9	Diorite, str agm tex	10M, rr oc fracs / 3cm 5E, 2% Cc vns	
93.55	121.00			30-40° loc 50-60°
		99.97-102.35 str foliation alt alters felsic xls	(sauss), 7M wk H.	
		108.05-108.65 mnly broken core, / chl, and H along fracs, loc gg		0-10°
		TD 121.00m		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-03

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.0	15.80	O/B		
UNIT	1	PICRITE INTRUSIVE? dark mauve, aphn, mac-wk Fol,	<0.5% diss py, wk mag, 2%	
15.80	17.02	10% blk wispy to elong xls? <1mm, <3% ltgrn	Q-Cc vns	
		olivine xls? <0.5mm in aphn soft mtx		
		Pos str altered Nicola Group Volcanic		
		NICOLA GROUP VOLCANICS		up cont sheared
UNIT	2	Mafic Volcanic (Andesite-Basalt)	mnr py, loc wk E, wk mag,	/gg 50-60°
17.02	50.82	m-dk grn, fgr to loc mgr, mac to wk Fol, 10-20%	1-2% Cc vns, mod-str chl	mod frac
		mfc xls (pyrx + horn) <1mm in aphn-fgr fldsp rich		50-60°
		mtx, mnr volc brx bands, mnr thn tuff units		
		unit likely predom flows		
S	2-1b	30.97-32.57 wk sheared, str Fol, friable, 15% cc vns		Fol 25-30°
		and patch <1cm, 5% H in low 30cm		
		33.60-35.01 Fault, loc gg, chl and H along fracs, low		
		half of unit Horn Porphy as below		
		35.52-37.55 Horn Porphy, dk grn-gy, 20% horn xls	10 E	loc SS 57°
		<3mm		
S	2-2	49.07-50.32 50% qtz vns up to 18cm, mnr py and cpy, mnr cc		
UNIT	3	Mafic Volcanic Tuffs, lt-m grn, mas, aphn, <5%	1% py to loc 3% over 10cm	
50.82	62.34	dk gy frags <0.5mm in chl mtx	intrus-gen diss, <1% E, ϕM	
		51.74-53.80 Horn Porphy	mod H / 3% Cc-H microvns	
UNIT	4	Mafic Volcanic Lithic Tuff, m grn, mac, mgr, 30%		
62.34	74.36	lt bn-grn mfc lithic frags <1cm		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-03

INTERVAL (m) From	INTERVAL (m) To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
		Fldsp rich ser-chl mtx, rr 3cm Frag of unit 3.	ϕ M, mnr E, wcb, <1% diss	
		Indistinct wk Fmmy xl, frags / depth; tuff	py	
		tex less pronounced in low 3m		
UNIT	5	Mafic Volcanic - same as unit 2; incrs diortic tex in low	ϕ M, <0.5% py, 3% Cc vns, 1%	60°-70° vns
74.36	90.61	5m	pink Fldsp vns, 7 E in low 5m	
		82.08-82.43 com open space qtz vns up to 5cm, wr		
		blch ltgn <1cm.		
				Cont transitional
		IRON MASK HYBRID UNIT		
UNIT	6	Microdiorite	7 M <1mm, 10 E, up to 1% py	
90.61	102.51			
S	6-2	101.51-102.51		
UNIT	7	Microdiorite		
102.51	104.01			
S	7-1	102.51-102.80 30 M as strg to semi-mas lodes	1% cpy, mnr py as blebs to microvns	15°, 30°
S	7-2	102.80-103.70	0.5ten / cc vns	
		102.80-103.10 15 M	mnr cpy, py	
		103.10-103.42 semi mas M (40%), decrs / depth.	mnr cpy, 5% py in blebs to 3cm	low cont 25°
S	7-3	103.70-104.01		
		103.42-104.01	mnr M, 15cm band at top, 5% py,	
			mnr cpy, 10 E, mas M in low 31cm	
			/ 20 E, 10% py, mnr cpy	

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-03

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
UNIT	8	Microdiorite	10 M, <1% py dcrs / depth, 5 E	mnr zones <10cm frac core
104.01	110.72		mnr H along fracs	
S	8-1	104.01 - 105.01		
UNIT	9	Diorite	10-15 M, 7 E, mnr py	
110.72	113.78			
UNIT	10	Diorite well dlvped agm tex inc rr lithic frags	10 M, 5-10 E, 1% H alter / cc vns	
113.78	178.91	frag to 18cm		
S	10-2	114.97 - 116.22 5-25 E, 5% patchy bl-grn sericite alt,	2% py - diss to mmrns / E	
S	10-3	116.22 - 116.98 mult qtz - cc vns, open space / enh x/s		0°
S	10-4	116.98 - 118.08 50 E / cc patches, 5 H alter M open,	3% diss py, VSCB.	
S	10-6	128.15 - 129.72 20% cc, cc-Q stockworks loc open space	2% py mnly up 30cm	vns 0-10°
		/ enh x/s, occ 2cm wr frag, lt gn lith enclp	wk sericite (lt bl-grn col)	
		vns and frags loc		
S	10-7	129.72 - 130.27 10% vns as above	5% pyr dcrs / depth to <1.6%	
S	10-8	130.27 - 131.20 15% vns as above / H strg, wr alt	10 H alter M and vns / cc	
		to lt gn sericite		
		167.45 - 170.70 wk - mod fol	10 E in bands to 15cm, 4% Q - cc vns loc / H	20° vns
		TD 178.91		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-04

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.0	7.50	O/B		
		IRON MASK HYBRID UNIT		
UNIT	1	FAULT ZONE mnly broken core / loc gg, mnly gy	str Fe-carb alt ao perv to along	Vns 10-30°
7.50	11.90	diorite, indistinct agm tex, core loss	fracs mnr py, 2% cc vns ø M	Fracs 40-60°
S	1-2	9.40 - 10.97		
S	1-3	10.97 - 11.90		
UNIT	2	Diorite	mnr M, 5E, mnr py, wk-mod SF,	
11.90	22.60		loc blch lt gn intrv, loc lt br	
			clay-ser microvns, SCB	
S	2-2	15.10-17.34 Felsic Dyke v ltgn / mot tex, 0-15% Fldsp	rr 2cm feldspar pod (K-spar)	Vns 35°, 65°
		+/s in aphn sil groundmass, loc bx tex	5% Q, Q-cc vns	Up cont 65°
				low cont gg
S	2-4	17.95-18.65 Felsic Dyke sim to unit 2-2 except /	10% Q-Cc vns, pods cclox tex; clay	
		qtz +/s, wk porphy tex in cntr	along fracs, mnr py as 2cm blebs	
			wk SF	
		18.85-21.37 15% saus (bl-grn) agg, H microvns / cc, sil		H vns 20°
S	2-6	21.37-22.60 10% py diss-vns open / E bands to 4cm	10E, wk SF, str saus alt /	
			bl-grn agg esp in cgr intrus	
UNIT	3	Microdiorite, qpn < 5% chl agg (horn +/s) <1cm	5-15 M < 1mm qpn, 5E, 10%	
22.60	62.60		saus (bl-grn) vns and patches	
			< 0.5% py, w-mod CB,	
		29.10-30.15 cgr diorite / str saus alt		
		38.20-39.08 Shear, ccbx, loc gg	10% Cc vns in low wr for 80cm	Fracs 40-60°

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-04

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
		39.08 - 51.90, loc Frac zones / broken core, thn gg	10-20 M	
		< 30 cm		
		54.87 - 56.02 Fault, loc gg, str Chl, cc along Fracs		20-30° fracs
		56.02 - 56.90 mnly cgr diorite / str sauss alt		
		60.05 - 61.60 Fault, loc gg, str chl, cc, mnr H		
UNIT	4	Diorite	10M, 5E,	
62.60	77.46			
S	4-2	67.62 - 67.96, patchy SF, sauss, 3% py		
UNIT	5	Microdiorite	5-10 M, < 5 E, 3% Q-Cc vns	
77.46	84.75		5% sauss	
S	5-2	79.17 - 80.00 3% py		
		80.08 - 81.90 10% Q, Q-cc vns, str blch gen		
UNIT	6	Microdiorite	5-15 M, 5 E, wk SF loc,	
84.75	127.10			
		98.40 - 99.82 coarsg cgr, Sil Fldsp xls		
		105.90 - 109.30 gen v cgr, < 1 M		
S	6-2	124.02 - 124.97 5 E qz vns / mnr py, cont into		
		low WR for 1.0 m		
		T.D. 127.10 m		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-05

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.0	0.60	O/B		
		Iron mask HYBRID UNIT		
UNIT	1	Microdiorite	mnr - 3M below 17.0m, mnr - 2E /	mod frac /
0.60	29.26		depth, 1H on strng / cc, 1% K-	Fe-carb to 15.6
			spar as vns to 22.08m, loc as	m,
			agg w. groundmass.	K-spar vns 10-50°
S	1-2	23.98-24.58 inten chl-sauss alt, 10% patchy K-spar	15E, 5% py stringers	E vns 30°-70°
				Py vns 10-20°
		26.02-28.07 10% Kspar alt		Vns 30°-40°
		28.07-29.26 gen blch lt gn / aphn text, wk clox tex		
UNIT	2	Felsic Dyke, lt grn to med br, mac, porphy, 15% wh	mnr H staining, tr py, 5% dol-	up cont- broken
29.26	43.16	Fldsp xls <2mm, 0-10% qtz xls <0.25	ank vns / mnr qtz loc	core 30 cm
		mm esp com in up intrv, indistinct chl agg <0.5		low cont 50°
		mm in sen mtx		
UNIT	3	Microdiorite	5-10 M ox to 1cm blebs, / 20M	
43.16	86.53		over nrw intrvs, tr py, <5E	
		60.10 - 60.65 Shear, gg at base	Chl, cc esp up half	
		61.34 - 63.09 Fault, broken and lost core,	chl, cc blch	Fracs 40°
S	3-2	67.76 - 68.26, <1% cpy, 7% py as diss to microvns / H	stringers in middle 14cm	
		71.07 - 71.32 Felsic Dyke		Up cont 62°
		71.46 - 72.45 Felsic Dyke, sheared / gg in cntr 40cm	mnr py	low cont 30°
		72.45 - 77.68 10E dom / depth in low half	mod Sauss, fgr Fldsp vns	
			(albite?) / blch s/l envelopes <1cm	
		77.68 - 79.44 Felsic Dyke		Up cont 30°

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-05

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
UNIT	4	Monzonite lt gy, fgr, equig, mas 25% horn/	< 5 M, < 0.5mm, 5 E, wk SF	
86.53	95.23	some pyxr xls < 0.5mm in plag mtx, loc to	patchy sauss / SF gen.	
		3% qtz xls < 0.25 mm, 40% diorite in low 5m		
		89.96-90.18 blch zone / 2% K-spar alt		
S	4-2	91.52-92.57 1% py, 10 E mnly qz vns		10-20°
UNIT	5	Microdiorite rr Hornb Porph Dyke < 10cm	10-15 M / 20 loc over 10cm intrus,	loc zones < 20 cm of broken core
95.23	114.93		5 E, mnr py, WCB	
S	5-1	95.23 - 95.83, blch lt grn to br, 10 H after M,		
		str ser-clay (br cal) after Fldsp		
		107.88-110.49 cgr gy diorite		
S	5-3	110.57-111.87 blch zone, appears to be cgr gy diorite	5 H after M	
UNIT	6	Diorite	1 M, 5 E, mnr py, WCB	
114.93	126.10			
S	6-2	123.27-123.49 blch zone, 40 E, 5% py string		50°
		122.26-124.05 mnly diorite		
UNIT	7	Microdiorite	< 5 M, blebs to 6mm, < 5 E,	
126.10	129.60		str sauss, wk patchy SF.	
S	7-1	126.10-126.28 15 E vns, str chl	5% py	
S	7-2	126.28-127.70	< 1% py	
S	7-3	127.70-128.90 semi mas E,	1% py	
UNIT	8	Diorite	1-5 M, < 5 E, loc SF in cgr intrus	
129.60	135.10		mnr patchy pink cal Fldsp; mnr py	

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-05

INTERVAL (m) From	INTERVAL (m) To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
UNIT	9	Microdiorite	10-15 M, 5 E, str chl, mnr	
135.10	163.40		SF / sauss	
S	9-2	147.93-148.43 blch zone, lt gn / v wk x/line tex pres	<1% diss to strg py, 10 E	50° py
			5% Q-Cc vns.	
		157.30-158.40 Frac core, cc vns / chl com		0-10°
		open spaces / cc x/s.		
UNIT	10	Diorite	<5 M, <5 E, mnr py	
163.40	169.16			
S	10-2	163.76-164.87 40 E, mnr py, 5% cc vns in entr		
		T.D. 169.16m		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-06

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.00	10.25	O/B		
UNIT	1	Diorite loc monzonite intervals / qtz xls to 5%	0-5 M, 5 E, tr py, wk SF, mnr	E vns 40°-50° 60°-80°
10.25	41.23	wk agm text. 5-10% Gabbro esp below 20.0m	Sauss	
		32.31-33.64 incs chl-ser alt / primary text ders	10% cc vns to 1cm	fracs chl, cc, clay 10-20°
		40.00-41.23 incr chl, flt gg low 23cm, mnr H,		
UNIT	2	Microdiorite, mgn, mac v fgr, <0.25mm xls / up to	1-5 M, 3 E, 2% cc vns loc / Q	gg up 10cm
41.23	51.35	3% chl horn xls <0.5cm, res gabbro / depth	loc mot lt br (serc-clay) alt	
		41.57-42.07 Diorite Brx, 30% com sil subang	patchy cc in mtx	low cont 40°
		dior Frags <1cm in dior mtx		
		49.10-50.12 5% lt partial after M and microvns / cc		
		50.12-50.69 Shear, gg, cclox, v com cc vns		50°
		50.91-51.16 Shear, as above fewer vns		
		* Upper half of unit sim to Rhodes Creek		
UNIT	3	Diorite	5 M <0.25mm, <5 E, 1-2%	
51.35	56.20		Q-Cc vns, up 2m str lt gn	
			alt / mot aphn tex, str sauss	
		52.25-53.07 Flt, gg, cclox,	chl, calc / py along Fracs	0-10°
UNIT	4	Microdiorite	5-10 M - wk H, patchy to 30	Vns 0°, 65°
56.20	63.00		cm bands of lt-m grn alt, <2 E	/ H loc
			2% Cc vns	
		60.27-61.40 gen cgr diorite / horn xls to 1cm	wk SF in mtx in low half	
UNIT	5	Diorite, extr varied tex and xl size and per	wk patchy sauss, 1-5 M incr	up cont 70°
63.00	74.78	centage	/ depth, 2% Cc-Q vns, 5 E	Vns 0°, 70°

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-06

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
		71.68-72.02 Shear, str chl/cc vns		0-10° Fracs and veins
		73.59-74.78 qgn mgr to 5mm	wk pink col of fldsp /ksp alt?	
UNIT	6	Diorite, fgr / wk porphy fldsp tex	patchy chl-ser alt giving wk	
74.78	79.34		mot tex, <5M, <3E.	wk banding 40°
S	6-2	78.40-78.76 mult Q vns / sil wr to 2cm, 0.5% py		60° vns
		blch sil wr for 10cm		
		79.06-79.34 Flt, gg, SCB, chl, H along Fracs		
UNIT	7	Diorite extr varied tex, qgm loc	1-10M, 1-5E, tr py, mnr H	
79.34	95.25		loc 1% as vns/cc ovn nrw intr	
			up 1.06m str sauss / H stringers	40° H vns
		81.96-82.45 Frac broken core, SCB, H along Fracs		10°
		84.90-85.37 1% H		
		85.66-87.90 mnly broken core / loc rubble ovn 40cm	str chl, cc / loc 1% H	35-45°
UNIT	8	Microdiorite / loc qgm tex incrs / depth	5-10M, <5E, wk sauss, mnr	
95.25	109.10		H along Fracs / chl, cc	
		101.17-102.07 Flt, rubble, gg, ss, chl, cc, H		5-10°, 30-40°
		102.07-103.05 com H along Fracs		
S	8-2	104.89-105.04 patchy alt / varied mot tex	3% py-diss to microvns, 2% Q-Cc vns loc cross cutting py vns	
			str-varied-sauss	
UNIT	9	Diorite sim to unit 7 but m-cgr,	1-10M incrs in fgr phases,	
109.10	119.17		1% Cc vns / mnr py, mod sauss	
			in cgr intrus, <5E, mnr	
			lt brn ser-clay vns to agg	

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-06

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
		113.54 - 113.81 Flt, wh-lt gn blch, friable, VSCB	chl, cc / pos zeol along frac	0°, 25° Fracs
		118.70 - 119.17 mnly broken core / gg	rr py vns near base	
UNIT	10	Diorite, sim to Unit 9 except str and more varied	5 M past to H, H also as vns	bc thn gg /
119.17	122.22	alt but incrs / depth	/ cc, SCB, 1-5% Cc vns incrs	SS →50-60°
			/ depth, < 5 E	Vns 50-60°
UNIT	11	Diorite sim to above more alt		
122.22	131.62			
S	11-2	122.64 - 122.98 str ccbx, rubble in low, 11cm	Cc vns, 1% py	
S	11-3	122.98 - 123.77 ccbx / cc vns; in up 18cm and low 8cm		up cc vn 25°
		all cc vn		low cont 30°
S	11-4	123.77 - 124.39 Flt, gg and rubble		
S	11-5	124.39 - 125.52 30% Cc vns / mnr ⊕, loc brx vns / chl		Vns, 0°, 40°;
		wr frags, mnr rust col, loc euh cc x/s		70°
		in open space vns		
S	11-6	125.52 - 127.66 more chl, Str H, rr 8cm gg	5% py in low 7cm diss - stringers	
S	11-7	127.66 - 129.43 30% cc vns often wr frags	Str H / 5% py in up 30cm	
S	11-8	129.43 - 130.78 60% cc vns and vn brx, 5% H, < 1% py		0-10°, 70°
S	11-9	130.78 - 131.62 str ccbx		
UNIT	12	Diorite sim to unit 10, 11 except less alt	5-10 M / wk H in upper half	
131.62	137.40		< 10 E, mnr py	
S	12-1	131.62 - 133.02 mnr gg, Str H as micrvns / cc and irreg		H vns 30°
		patches after M		
		T.D. 137.40m		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-07

INTERVAL (m) From	INTERVAL (m) To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.0	6.70	O/B		
		IRON MASK HYBRID UNIT		
UNIT	1	Diorite, indistinct agm tex	10M gen higher in fgr intrus. <5%	
6.70	23.11		wk sauss, M to 6mm blebs, rust	
			along fracs up 4m, mnr py	
		10.10-14.14 up to 1% py as mcvns, gen / ∈ vns or agg, mnr H stringers		
S	1-2	10.10-11.50		
S	1-3	11.50-13.00		
S	1-4	1300-1441		
		16.20-17.50 mnly cgr		
		17.98-18.70 incrs chl, 1H ao stringers, mnr py		
UNIT	2	Monzonite, loc mfc frags (dior?) <10cm	<5M lo loc to ovrs nrw intrus. fgr	up cont 60°
23.11	33.35	mnr chl agg <1cm, up 24cm l+br	<5%, mnr py, vwk SF, wk chl-	
		aphm ground mass (- chill margin?)	sauss, 10H alter M in up 24cm	
			incrs py in lows 7m	
UNIT	3	Diorite	10-15 M, mnr H, up to 1% py	Vns 50°, 70°
33.35	36.53		mcvns to diss./ ∈ gen, wk	low cont 25°
			patchy ∈ and SF	∈/Kspar
S	3-1	3335-3453		
S	3-2	34.53-35.53		
S	3-3	35.53-36.53		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-07

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
UNIT	4	Felsic Dyke lt gn, mas, v indistinct xlins, fer, v h,	mnr py, 2% E agg <5mm,	low cont 10°
36.53	41.91	10% chl agg <0.25mm, 1-10% Fldsp x/s <0.5	ser-clay along fracs 1% bx ser-	
		mm in aphn s/l mtx, rr bl ΦE, dior frag near base	clay diss often Fldsp?	
S	4-1	36.53-37.53		
UNIT	5	Diorite	<1 0M, 5E, mnr H, py	
41.91	47.07			
UNIT	6	Felsic Dyke as above, / xlins fer v indistinct, rr	2% E as above, mnr py, 2%	Fracs 5-10
47.07	53.42	dior layer <15cm, incr frags of dior	bx col Fldsp as above	
		v indistinct often in low 40cm		
UNIT	7	Microdiorite	10-15 M up to 6mm, blebs, 5-10M	
53.42	117.96		below 62.0m, 2.5E often / wk	
			SF, patchy lt gn alt / loc mot	
			fer, mnr py, incr chl below 100.0 m	
		56.58-57.13 Frac core		60°, 20°
		62.25-65.10 <1 H - com patchy often M		
S	7-2	66.01-66.63 alt zone, incr E/cc patches and vns	incr py <0.5%,	wk Friable
		72.77-73.12 wk cdbx fer incr lt grn col	5% wit alt Fldsp? vns pos zeol	15°, 50°
S	7-4	74.00-74.40 20M as 3cm bodies, port H incr chl	and E	M vns 45°
		79.60-84.27 incr lt grn along fracs / cc and chl		
		83.35-83.90 Flt, gg str cc, chl, clay, H		
		90.28-95.98 Felsic Dyke as above	2E, 5F	up cont irreg
		97.90-99.68 Felsic Dyke as above, mnr H in low	WR for 90 cm	low cont 65°
		T.D. 117.96 m		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-08

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.0	5.92	O/B		
		IRON MASK HYBRID UNIT		
UNIT	1	Microdiorite indistinct agm tex	10-15 M, m 5mm blebs, rr vns	M vn 30°
5.92	27.17		<1cm – 15.85m, <3 E, mnr H	
			String, mnr lt grn patches / E gen	
		16.20 - 20.36 mnly blch lt grn / 5 E agg <5mm,	mnr to 0.5% py over 20cm intrvls	
			wk SF loc.,	
S	1-2	22.60 - 24.00 v/lt grn blch zone, mod SF, <5 E	mnr py, mnr Fldsp alt	
S	1-3	24.00 - 24.47 Dior Intr Brx, 50% SF in mtx	up to 5% py diss to frag	up cont 45° low cont grad
			replacement, patchy Cc in	
			mtx (<1%), perv rust in low	
			15cm	
S	1-4	24.47 - 25.30 as Unit 1-2	mnr py, H, wk SF	
UNIT	2	Diorite, <1% qtz xls <0.5mm	<5 M, 3 E, tr py	up cont 35°
27.17	32.64			
		31.20 - 32.00 Frac core, mnr chl, rust		70°, 10°
UNIT	3	Microdiorite, gen Fgr, loc agm tex / incon E	5M, <5 E, mnr py	up cont 45°
32.64	41.70			mnr broken core zones <30cm
		36.95 - 37.88 broken core / rubble at base		
		38.63 - 39.56 v/lt grn to brn blch / wk xline tex pres,	10 H alter M in up 13cm, tr py,	Sawed Vns 30°
		38.83 - 39.04 Flt, gg	bl-grn sawed vns <1cm in up 10cm	
			5% Cc vns and pods	
S	3-2	38.63 - 39.56		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-08

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
UNIT	4	Diorite	<5M, <5E, mnr py, wk SF loc	
41.70	60.85		1% Q-Cc vns often overlap by <1cm	
			ultqn bands 10E below 48.50m	
			qs vns to 5cm / calc com, mnr	H
		46.75-48.46 Gabbro		
S	4-2	50.47-51.60 blch vlt grn, agm tex	1% Q-Cc vns, mnr py, rr Fldsp	
		51.60-60.85 wk pink col ofs Fldsp		
UNIT	5	Microdiorite	15-20 M, mnr py, mnr H, <2E	Fy vn 85° at 62.65m
60.85	88.31			
		66.30-69.09 Diorite		
		69.09-82.38 <10 M, up to 5% saus alt		
		70.40-73.90 3% Q-Cc vns <1cm		
		82.38-87.42 Diorite	5M, wk blch and/or SF, com pink col ofs Fldsp	up cont 35° low cont 37°
UNIT	6	Monzonite m grn-gy, mgr, mas 35% chl mfc xls	<5M-Fgr, 5E, patchy SF	
88.31	95.55	<1mm, 2% chl agg to 3mm, <1% qtz xls,	mod pink col ofs Fldsp, 1% Q-Cc	
		rem Fldsp-plag (1/3-2/3), low 40cm ophn grn col	vns, 1% H string/cc low 40cm	
UNIT	7	Diorite? str alt / m-dk grn ophn rock, dk grn	5-10 part H M xls, 20% Cc-Q	Vns 0-10°
95.55	98.97	chl envelopes around cc vns com, indistinct xline tex	vns <2cm / H loc, mnr E vns	
S	7-1	95.55-97.04		
S	7-2	97.04-98.02		
S	7-3	98.02-98.87		
UNIT	8	Microdiorite mas horn rich intrus below 110.0m	5-10M, <2E	
98.97	138.96			

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-08

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
S	8-2	100.01-101.30 1% py - diss to microvns, /2% over		Vns 60°
		10cm intrus, rr 2cm Q vns		
S	8-4	112.10-113.35 blch zone / 25% lt grn - br col	incrs H after M (5%), mnr E	
		cc vns / Q vns frags and v ltgn sil	spotty H in wr frags in vein	
		wr frags		
		124.05-126.60 m-cgr diorite to monzonite	wk pink col fldsp, rr H strng	20°
		133.10-138.96 incrs chl-E alt / wk bands to 2cm		
UNIT	9	Diorite	2M, 5E, mnr py	60° py vn at base
138.96	140.56			
UNIT	10	Microdiorite	0-5 M com H, also H strng / cc	Q vns 40-50°
140.56	149.61		up to 5% Q-Cc vns <1cm, up	
			to 5E - extr var	
S	10-1	140.56-141.56 str alt / aphn lt grn to br mot text ofs	mnr py, mod H, 2% Q vns / earlier	friable rock
		cgr diorite	gy Q vn frags <5mm	
S	10-2	141.56-142.31 alt as above but only 30%	wk H, 1% Q vns	
S	10-3	142.31-142.99 sim to 10-1 except after gabbro, gy	5% Q-Cc vns, rr Fe staining	wk cclox 25° vns 0°, 25°
		wisps to 5mm bands loc contorted	<2cm / pos ank	
S	10-4	142.99-143.69 str alt dior / gabbro frags to 10cm	sim to unit 10-1	
S	10-5	143.69-145.01 Qtz Vn Brx, lt br col, 60% v lt br to grn	10 H frags, lt pink col perimeter	
		or rr red (H) aphn frags <1cm (apo orng)	ofs frags loc (K-spar alt)	
S	10-6	145.01-145.92 Qtz stockworks / H alt in up 25cm	rr py frag in vn	up cont 90°
		then alt like 10-1 for 20cm then Q vn		
		to base / cclox and broken core		
S	10-8	148.04-148.88 str alt / lt grn to beige aphn ter	v soft) dscs / depth	

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-08

INTERVAL (m) From	INTERVAL (m) To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
S	10-9	148.88-149.07 wk alt, mod H string and ofter M in up half		
UNIT	11	Microdiorite	10-15M, <5E, v wk H after M and along fracs, tr py	
149.61	163.68			
		TD 163.68 m		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-09

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.0	10.06	O/B		
		IRON MASK HYBRID UNIT		
UNIT	1	Diorite	1-5 M, 15E, mnr H, <0.5 py	Py vns 15°, 80°
10.06	15.96		diss-string, wk pink col fldsp	
			pervE up 55cm / wk banding	10°
UNIT	2	Microdiorite	5-10 M, mnr H on strng, fracs y/l	loc frac zone
15.96	53.92		Cc vns	vp 5m / chl, cc, H, 20°, 50°
		15.96-20.92 up to 2% py over nrw intrus gen <1%	wk Hal-tn M, 7E	
		28.50-29.26 Frac zone / wk cc, clay		20°, 70°
		36.80-48.10 incr zones of frac zone / mnr cc, chl, H, py incr still <0.5%		
		48.10-51.32 mnly mgr dior, incr sauss, mnr py		
UNIT	3	Diorite	1-5 M, 5E, wk sauss, loc up	
53.92	63.33		to 2% py often / E vns	
			mnr H strng	
S	3-2	59.66-59.85 Q vn brx, 20% subang lt brn-grn	open spaces / euh cc xls and	35-40° contact
		Frags <2cm often sil	fe staining	
S	3-3	59.85-60.65 agm tex, lt brn mot tex / patchy G	0.5% py, calc/ank along	
			Fracs in low 15cm	
S	3-4	60.65-61.35 mult Q vns in up 48cm / fgr mot	dol and or ank vns and in	gg low 8cm
		lt brn-grn tex, patchy H (5%) Q vn	intx	
		brx in next 15cm / Frags Qvn and wr		
S	3-5	61.35-62.16 wk sauss alt, str mot tex in low 40cm		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-09

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
S	3-6	62.16-62.56		
S	3-7	62.56-63.33 Qvn brx / 35% ang dior frags <3cm	1% diss py rr vn	Py vn 45°
		com mot tex, in sil-carb mtx (dol?)		
		decr frag size / depth		
UNIT	4	Microdiorite	5-10 M, wk H decr/depth	Py vns 20-40°
63.33	121.38		1 5 E in bands to 30 cm	
			1-2% py in up 5 m \ <0.5%	
			elsewhere	
S	4-1	63.33-64.33 1-2% py rr to 5mm vns loc / Q vns		20-40°
S	4-2-1	67.45-68.28 pred pervE, 1% py, Cc-Q vns, pods		
S	4-2-2	68.28-68.83 mod E, 1% py		
S	4-2-3	68.88-69.62 str E, mnr py		
S	4-3	82.30-83.33 mas E / 10% ccvns, friable		30°
S	4-4	83.33-85.03 2o E, mnr py	wk H along fracs	
S	4-5	85.03-85.80 lt gn aphn alt, h, loc agm tex (mot)	2% py, 10 E, 1-5M incr/depth, wk H	
S	4-7	91.98-92.96 lt gn aphn bands to mot tex <1% py 5M giving porphy tex, wk H along fracs		
S	4-8	92.96-93.96 aa		
S	4-9	93.96-95.57 str chl \ 1% py		Py vn - 50°
		95.80-96.30 F-M, broken core / rubble at base	chl/cc mnr H	
		101.65-102.41 broken core		
		103.22-103.95 { Mafic Dyke v dk gn, aphn, sil mtx, 10%		low cont 35°
		(chl-ser agg <0.5mm (sil Fldsp?)		
S	4-11	105.90-107.51 Diorite Breccia mgn-gy, 80% sil-cc	1-10% py diss to string, chl	frac core 70-90
		alt dior frags in chl mtx	string	

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-09

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
S	4-11-2	107.51-108.31 Mafic Dyke lt grn to m bn / depth, wk porphy / 5% chl wisps to "eyes" <1mm, 3% wh alt Fldsp? <0.25mm in ser-chl mtx, slightly cgr in low 17cm	mnr py.	up cont 90°
		108.89-109.25 Mafic Dyke sim to Dyke at 103m mtx Fgr		
		109.25-121.00 intermittent Frac core zones <30cm	loc 20 E / lt grn blch	5-15°, 60-80°
UNIT	5	Microdiorite com diorite layers	1-10M extr var, 5-10 E, <0.5%	Vns 0-10°
121.38	133.60		py, 2% Cc vns / blch lt gy	50-60°
			wr loc, mnr H along Fracs	
		122.05-123.74 Frac core, Hm gg at base, wk chl, calc, clay, H		10°, 40°
		125.90-127.98 loc Frac core		30-40°
		129.50-129.82 Flt, gg, brx Qvns, SCB, blch lt grn		
S	5-2	130.60-132.10; S 5-3 132.10-133.60		
		CHERRY CREEK UNIT		
UNIT	6	Hornblende Monzonite loc eqm tex / Frags to 3cm.	1% diss py, 0-5M <1mm, <2	
133.60	149.65	loc m-cgr intrus seq at Iron Mask diorite	E, 2% diss lt-bn clay-zeol?	
			<0.25mm, str blch lt grn / xline	
			tex only, wk pres	
S	6-1-1	133.60-135.10		
S	6-1-2	135.10-136.60		
S	6-2	142.22-143.20		
S	6-4	146.38-147.30; 6-5 147.30-148.14 6-6 148.14-149.65		
		T.D. 149.65m		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-09

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
		Additional Samples		
S	4-10-2	104.28-105.40 Dior, loc ccbx, inch chl, E alt.	3% Cc, Cc-Q vns. <1% py	
S	4-10-3	105.40-105.90 Dior, 2% Cc vns, <1% py trace 2mm vn,	wk H often M	65° Py vn
S	4-11-3	108.31-108.89 Dior, str alt, 40E, 1% py / Cc-Q	vns and pods	loc ccbx vns 0°, 70°
S	4-11-4	108.89-109.70 mfc dyke in up 30cm slightly cgr than above, str frac alt dior in low 55 cm, \ E, cc, mnr py		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-10

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.0	6.10	O/B		
		IRON MASK HYBRID UNIT		
UNIT	1	Microdiorite	5-10M wk H loc, 0.5% py com	broken wk
6.10	28.35		along fracs, minor mag ∈, 5∈	weather up
			in bands to 10cm / min dd-ank and	10m,
			cc, van lt grn alt / mot-tex after	
			dior esp near intrvs.	
UNIT	2	FAULT ZONE str alt gabbro and diorite / lt-dk grn aphn		fracs 20-30°
28.35	39.55	rock, SCB, str ∈ in bands to 20cm, 2% Cc-Q vns,		40-50°
		str H along fracs or string / cc, rubble + gg firmly 30.27-	32.70m	trans cont.
UNIT	3	Diorite mod-str alt lt-m grn ck, wk agm ~~tex~~ in	wk SF, m-SCB, 15∈ / cc and	str frac
39.55	52.12		dd, ank, 0.5% py	20-30°
S	3-2	45.70 - 46.46 10% py, blch up 35cm		Py vns 55°
S	3-3	46.46 - 47.48 blch lt grn, str ∈, mnr Q vns, 0.5% py		
		51.36 - 52.78 Frac core, ck, cc, H, Sulfs		20-30°
UNIT	4	Microdiorite	5-10M loc 2cm bands, 5∈,	
52.12	62.10		mnr py loc 05% over prw	
			intrv, mnr H along fracs	
UNIT	5	Diorite w alvp agm tex / Fracs to 6cm.	1-10M wk H loc, 5E, <1% py	Py vn 60°
62.10	74.29		1% Q-Cc vns / esh cc xls loc	
			faint pink col of Fldsp.	
S	5-2	67.98 - 68.76 str alt / lt br mtx, mot tex, str		up cont 35°
		H after M, 2% Q-Cc vns, poss		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-10

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
		72.10-73.25 Frac core decr w/ depth, chl ∈ H,	mnr Sc.	0-10°
UNIT	6	Microdiorite	5-10 M wk Hahter M and Fracs	com frac core
74.29	81.60		0.5% py.	w/ loc SS
S	6-2	80.57-80.95 perv ∈, 5% py string in low 15cm cut by cc vns		Py 25°
UNIT	7	Diorite	1-10 M pnt H, 5∈, 0.5% py	low cont
81.60	85.70		rr carb zone / 20% py 83.61-83.93	trans
UNIT	8	Diorite alt or pos trans zone to Cherry Creek,	2% Q-Cc vns / py, 5∈	
85.70	94.92	blch lt grn incas Horn rich intrvs,	loc wh to lt ang SF zones /	
			incas py to 3% < 20 cm	
S	8-2	91.92 - 93.45		
S	8-3	93.45 - 94.92		
		CHERRY CREEK UNIT		Cont grad.
UNIT	9	Hornblende Monzonite gen lt grn blch col below 100m	5∈, m-scB, 2% py diss or along	
94.92	110.78	\ xline tex only, wk pres str along fracs	fracs, tr cpy at 95.80 along frac	
			/ py pink-orng col flds loc	
			and along fracs	
S	9-1	94.92 - 96.42		
S	9-2	96.42 - 97.92		
UNIT	10	Syenite, m grn, wk porphy, Fgr, 10% wh-gy fldsp	wk M, 1-2% py diss - frac,	Fldsp vn 25°
110.78	156.96	xls <1mm 30% chl-ser agg (rnd xls, in	20% lt grn bands to irreg	Frac 10-30°
		fldsp rich groundmass, mnr Fragm (indistinct)	patches, <1 Fldsp (albite?)	70-90°
			vns or patches <2cm	

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-10

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
		115.90 - 117.0 mnly Frac core		
		117.0 - 118.10 blch lt grn		
		121.68 - 124.80 mnly blch lt grn / cntr 70cm unalt	mnr lt br diss (zeol?)	
		125.45 - 131.05 mnr lt along fracs, strng / cc		
		128.80 - 129.17 Mafic Dyke		
S	10-2	129.36 - 129.90 3% py, gy Q vns		0°, 55°
S	10-3	129.90 - 130.72 as above; cpy at 130.66		
S	10-5	132.60 - 133.89 2% gy qtz vns, 2% py		0-10°
S	10-7	140.84 - 141.45 blch v lt grn, 5% zeol xls ? <1mm		Cc vns 60°
		5% calc vns loc pink, mnr py		
		142.12 - 150.86 / H along fracs or / cc vns		
UNIT	11	Hornblende Syenite sim to above. lt grn-gy, equig, mas	1-2M <0.5mm, SE of fldsp	
156.96	194.15		mnr bands <2cm, wk sauss, mnr	
			H along fracs esp below 186.3 - 193.0 m	
		157.82 - 158.75 Frac core / cc, clay, chl.		0-10°
		160.55 - 163.52 mnly Frac core, as above / lt		10°, 30-40°
S	11-2	171.20 - 172.76 mod clay, or-br alt fldsp, H-cc strng, 3% py		Fol 20°
		174.13 - 175.70 blch lt grn, mot tex, 2E, mnr py	WCB	
		175.70 - 181.45 0.5% py		
		181.45 - 184.39 blch zone as above, mnr albite alt, 5E	, 0.5% py	
S	11-4	181.45 - 183.00		
S	11-5	183.00 - 184.39		
S	11-6	184.39 - 185.30		
		TD 194.15m		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-11

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.0	6.10	O/B		
		IRON MASK HYBRID UNIT		
UNIT	1	Fault Zone, mnly rubble, / str altered dior-gabbro	1-10M, min E py, str chl, Fe	fracs 10, 140°
6.10	15.65	fragys.	staining, mnr cc	60°
UNIT	2	Microdiorite 30% dior intrus/ w dlvp agm tex	10M, 5E in bands <14cm, mnr	mod frac/
15.65	22.90		py, wk H /cc vns, mnr sauss	loc cc bx 20°
UNIT	3	Diorite, mgr, loc agm tex	5M, 5E to 7cm bands, mnr py	cc vns 20-30°
22.90	30.38		wk. H after M, mod-str sauss	com SS 10-20°
			2 cc vns	
UNIT	4	Microdiorite 33.60 - 36.61 w dlvped agm tex	15M up to 1cm blebs, wk E, tr py	Fricable core
30.38	40.54		incr E/depth, mnr H along fracs	up 1.7m
UNIT	5	Diorite com sim to light col gabbro	1-10M <1mm, mod H after M and	cc vns 50°
40.54	52.33		/cc stray, 5E, mCB, up to 0.5%	
			py mnr out along fracs, mod sauss	
			up 4.5m	
S	5-2	44.07 - 45.07 incr cc vns to 1cm, wk. Fol		
S	5-3	45.07 - 45.67 pen apple grn alt, 2cm cc vns com		
S	5-4	45.67 - 46.45 str apple grn alt, 5% py, H-cc vns <1cm		Fyn 50°
S	5-5	46.45 - 47.27 v str lt br to lt grn pen ophn alt, loth		str banding 55°
		as diss to 1mm stockwks/cc, Fe stain along	Fracs	
S	5-6	47.27 - 48.05 sim to above less intense.		
		47.48 - 47.62 cc/Q vn bx / wr fragys < 4 cm (ana)		conts 25°, 90°
		47.90 - 47.99 sil bx / mnr cc, alt wr fragys (blch)		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-11

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
S	5-7	48.05-49.05 less alt / orig rock tex bcm pres;	str H after M contin py	Q vn 60°
		pervv E up 2-4cm, mnr py Q vn; <4cm /		
S	5-8	49.05-50.35 as above		
S	5-9	50.35-51.65 str alt, m-str ccbx, lt gn col, cc-Q vns	to agg, incrs chl / depth, Fragmented	
		Q vns, 15% py gen diss to replacing dior	Frags,	conts 20-30°
		dior brx,		
S	5-10	51.65-52.33 dcs alt but extr variable, 3-5% py; bc	20 M over mass intrus	loc 20cm
UNIT	6	Microdiorite	10-15 M, mnr py, lo E in bands to	Frac zones
52.33	70.62		5cm, wk sauss in cgr dior	E bands 0°, 60°
S	6-1	52.33-53.27 str agm tex	1-5 M, 0.5% py, mnr H, rr 8cm Q vn	
		58.98-61.22 Hornblende Syenite	5E, mnr py	up cont 30°
		66.00-70.62 10-20 M, <5 E		low cont 25°
UNIT	7	Diorite com agm tex	<5 M, mnr E, 0.5% py, wk pink	low cont 35°
70.62	86.26		col fldsp, mnr H	
81.07	86.26	Microdiorite	5-15 M / wk H above 86.6m	com Frac
			loc to 1% py, mnr E	70-80°
UNIT	8	Diorite, v chaotic, w dlyped agm tex / Frags to 15cm	5-15 M, 5-10 E in bands to 15cm	wk Frac
86.26	108.09		<0.5% py	70-80°
		102.60-106.6 mnly gabbro		
S	8-2	106.23-106.81 0.5% py		
S	8-3	106.81-107.70 as above		
S	8-4	107.70-108.09 5% py in up and low 10cm / str		Py vns 80°
		alt ophn rock		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-11

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
UNIT	9	Monzonite, wk aggm tex,	<5M, 05% py, <5E in bands	wk fol low
108.09	122.53		to 5cm, str E in low 1.5m	1.5m 70-80°
		114.31-115.80 variable, lt grn to br aphn bands and patches,		Vns 50-70°
		5% cc vns / Q loc, rr sub x/s,		
UNIT	10	Microdiorite	5-10M, / wk H decr / depth	
122.53	137.16		5E, mnr py / up to 3% in cntr	
S	10-2	124.66-125.27 wk cc br, lt grn to br aphn alt, 15%	up to 3% py str in cntr intrv,	Vns 50°
		cc-Q vns, dior brx / cc mtx in low 15cm	/ H after M in cntr	
		low WR blch lt grn / H-cc vns for 13cm		
S	10-1-2	123.00-124.00 3E vns, <1% py, 10M		E vns 60°
S	10-1-3	124.00-124.48 Dior, f gr, 3% pyr, 5% Cc-Q vns,	mod chl, ss	Vns 30-40°
S	10-1-4	124.48-124.66 up 8cm lt-dk grn mot tex (original		Vns 30-40
		dime tex alt) / chl-sauss, 2% H strng <2mm, mnr py,		
		low 10cm blch lt gry / pod cc-ank, qtz, cc vns <1mm		
S	10-2-2	125.27-126.04 dar chl / inn sauss, mnr py, mnr E, v wk H after M		
S	10-2-3	126.04-127.04 10M bcm inn H altered in low half		
		mnr py, cc vns		
		TD		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-12

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.0	25.30	O/B		
		IRON MASK HYBRID UNIT		
UNIT	1	Microdiorite, 40% diorite	5-10M, wk E, loc K-spar alt	mod frac dens
25.30	34.12		/ pink col fids, wk SF esp in	/ depth / chl,
			diorite, mnr py	cc, K-spar, clay
				loc H
UNIT	2	Monzonite, indistinct agm tex in upper half	<5M, mod sauss, wk E, mnr py,	
34.12	39.29		2% gy Q, Q-cc vns <3mm	
		34.66-35.61 frac core, cc, chl, K-spar, clay		40-45°
UNIT	3	Diorite, ext variable xline tex and rock types	1-5M, 1-5E, <1% cc vns /	
39.29	50.70	loc agm tex	mnr H	
		39.44-40.00 shear, cclox, frac core, cc vns pll cclox		0-10°
		47.05-47.96 str but vnr sauss com obscuring xline tex		wk cclox 30°
UNIT	4	Microdiorite	5-10M, mnr H, mnr py, <5E, wk	
50.70	82.42		sauss in ground mass and as	
			irreg vns cc vn 62.92-63.04	
		55.30-61.39 mnly dior vnr sauss in low 1.2m/wk		
		cclox and maroon calc rock (H)		
S	4-2	60.19-61.39		
		64.91-65.23 Fault gg, ccvns, lt grn alt, mnr H as string/cc,		0-35°
		65.65-65.75 Q-cc vn, v lt grn blch		
		68.03-68.70 com thn gg bands, SCB		55°
		71.27-74.29 mnly diorite, wk sauss		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-12

INTERVAL (m) From	INTERVAL (m) To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
		80.43 - 82.42 mod H alt'n M		
UNIT	5	Diorite, 20% gabbro, wk agm tex	5M, <5E, wk sauss, mnr py,	
82.42	106.15		wk SF	
		85.85 - 86.37 alt zone / var col lt grn to br mot tex	, str Halt'n M, Q, Q-cc vnc, tr	py, SS 45°
		100.17 - 106.15 wk pink col Fldsp, dcrs E, incr H		
5	5-2	105.76 - 106.15 alt zone, v lt br, disc H < 0.25mm		Vns 70°
		Q-cc vns, stockworks / alt wr Frags and		
		9y Q vns, loc euh x/s in qtz cpcc vns		
UNIT	6	Microdiorite	5-10M, 3E, mnr H alt'n M,	
106.15	152.70		wk sauss	
5	6-2	110.47 - 111.29 blch lt-m grn, perv to stockwks of		80°
		E vns / <1% py, H-cc strngs		
		111.18 - 112.29 cc vns <7cm / euh x/s, mnr wr and Q wr Frags		75°
		113.65 - 114.51 Frac core / cc. H,		40°, 20°
5	6-4	115.59 - 116.03 intrusive brx, blch lt grn to br /		up cont 55°
		chl wisps to agg		low cont-grad
		116.03 - 120.12 incr sauss alt'n Fldsp in diorite	, H strng / c.c	20-30°
		120.87 - 125.30 75% diorite / pink col Fldsp, mnr sauss, wk H alt'n M		
		147.56 - 148.06 perv E / SF, slightly friable		35-50°
		TD 152.70m		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-13

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
0.00	45.11	O/B		
		IRON MASK HYBRID UNIT		
UNIT	1	Microdiorite bc agm tex, up to 25% dior,	10M agm < 0.5mm, bc in trs	Fe stn along
45.11	139.29		to 15M / blebs <4mm, mnr	fracs up 7m
			py.	
S	1-2	58.56-59.61 wk alt / lt grn aphn mtx, 5% Cc/Qvns, wk Hafton M		Vns 40-50
S	1-3	59.61-60.48 as above, / incr gr., alt and H	bc cuts cc v/s in vns	
S	1-5	68.81-70.03 incr alt / sauss, E, chl v patchy, H-	cc vns, 3% py mnly microvns	Vns 70-80
S	1-6	70.03-70.53 30% lt br to orange aphn bands to 11cm,	cut by chl c.trng. Fe stn on fracs	
S	1-7	70.53-71.14 100% lt br-org alt, bcm mot / depth	str H, bc friable / wk cclr	30°, 60
		/ chl mtx, v/s and lt br alt after Fldsp		
S	1-8	71.14-72.32 variable alt, lt-m col br-orange	variable H after M,	
		perv bands and along Fracs, bands to 33cm		
		Q-cc vns <1cm / indistinct brx tex in low		
		33cm		
S	1-10	89.65-90.42 2% py, diss to vnlg vns <3mm	mod Frac in low half	Vns 50-60
		94.89-96.50 mod H- cc vns, mnr Hafton M		40°, 70°
		96.60-97.42 20% Cc vns, <2cm, variable lt	grn blch,	0-10°
		97.42-100.46 incr dior, / sauss and orange col Fldsp		
		100.46-104.92 <5% dior / pink col Fldsp, mnr	H,	
S	1-12	110.67-111.38 5% py in vns to 2cm / E mnr		
		H, rr 2cm Qvn rimmed by py		

DIAMOND DRILL HOLE LITHOLOGY LOG

DDH: GL-88-13

INTERVAL (m) From	To	LITHOLOGY	MINERALIZATION AND ALTERATION	STRUCTURE
		120.68 - 123.54 gen blch v lt grn, wk SF,	1% br diss (zeol ?), 1%	
		esp envelop micro fracs < 2 cm	py in wr below for 15cm	
		TD 139.29m		

APPENDIX 2

ASSAY AND GEOCHEMICAL ANALYSES

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH 01 PHASE ___

TOTAL NUMBER OF SAMPLES
Assay ___
Geochemical 17

ELEMENT ANALYSIS CODING
A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98551	1-2		11.60	13.14	1.54	G	169			0.5	10			
	552	2-1		15.62	17.15	1.53	G	47			0.1	6			
	553	2-2		17.15	18.59	1.44	G	84			<0.1	10			
	554	3-2		34.55	35.44	0.89	G	33			<0.1	13			
	555	8-2		79.98	81.38	1.40	G	22			<0.1	6			
	556	8-3		81.38	82.90	1.52	G	95			<0.1	6			
	557	8-4		82.90	84.40	1.50	G	10			<0.1	<5			
	558	8-5		84.40	84.94	0.54	G	12			<0.1	<5			
	559	9-9		147.61	148.62	1.01	G	7			<0.1	<5			
	560	9-10		148.62	149.29	0.67	G	8			<0.1	<5			
	98656	2-4		25.29	26.22	0.93	G	43			0.6	239	(387)		* check sample for Au
	657	4-2		41.87	42.47	0.60	G	19			<0.1	205	(507)		* as above.
	658	9-2		100.10	100.71	0.61	G	10			0.1	71			
	659	9-4		129.96	131.04	1.08	G	13			<0.1	53			
	660	9-5		131.04	131.97	0.93	G	25			0.1	207			
	661	9-6		131.97	132.85	0.88	G	10			0.2	93			
	662	9-7		132.85	133.65	0.80	G	7			<0.1	40			

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH 02 PHASE ___

TOTAL NUMBER OF SAMPLES
Assay ___
Geochemical 6

ELEMENT ANALYSIS CODING
A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98561	6-2		48.48	49.14	0.66	G	2			<0.1	<5			
	562	6-3		49.14	50.20	1.06	G	19			<0.1	<5			
	563	7-2		57.09	58.69	1.60	G	14			<0.1	7			
	564	7-4		90.59	91.22	0.63	G	15			<0.1	7			
	98654	7-6		92.75	93.22	0.57	G	7			<0.1	<5			
	655	7-3		85.03	85.88	0.85	G	12			<0.1	6			

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH 03 PHASE ___

TOTAL NUMBER OF SAMPLES
Assay 3
Geochemical 11

ELEMENT ANALYSIS CODING
A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98571	2-1b		30.97	32.57	1.60	G	114			<0.1	22			
	98565	2-2		49.07	50.32	1.25	G	345			<0.1	8			
	566	6-2		101.51	102.51	1.00	AG	291			<0.1	22			
	567	7-1		102.51	102.80	0.29	A	0.37%			0.8	211			
	568	7-2		102.80	103.70	0.90	A	0.28%			1.3	67			
	569	7-3		103.70	104.01	0.31	A	0.11%			1.3	53			
	570	8-1		104.01	105.01	1.00	G	396			0.2	20			
	572	10-2		114.97	116.00	1.03	G	22			<0.1	10			
	573	10-3		116.00	116.86	0.86	G	15			<0.1	7			
	574	10-4		116.86	118.08	1.10	G	16			0.1	18			
	575	10-5		118.08	118.75	0.67	G	24			<0.1	11			
	BTM6	1													
	98651	10-7		128.15	129.72	1.57	G	72			<0.1	13			
	652	10-8		129.72	130.27	0.65	G	56			<0.1	10			
	653	10-9		130.27	131.20	0.93	G	283			<0.1	11			

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH 4 PHASE ___

TOTAL NUMBER OF SAMPLES

Assay ___
Geochemical 9

ELEMENT ANALYSIS CODING

A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98663	1-2		9.40	10.97	1.57	G	118			<0.1	72			
	98664	1-3		10.97	11.90	0.93	G	193			<0.1	26			
	98665	2-2		15.10	17.34	2.24	G	243			0.1	41			
	98666	2-3		17.34	17.95	0.61	G	97			0.2	23			
	98670	2-4		17.95	18.65	0.70	G	116			<0.1	26			
												9			
	98671	2-6		21.37	22.60	1.23	G	179			<0.1	11			
	98672	4-2		69.62	69.96	0.34	G	78			0.2	27			
	98673	5-2		79.17	80.00	0.83	G	91			<0.1	23			
	98674	6-2		124.02	124.97	0.95	G	130			0.1	12			

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH 05 PHASE ___

TOTAL NUMBER OF SAMPLES

Assay ___

Geochemical 11

ELEMENT ANALYSIS CODING

A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98675	1-2		23.98	24.58	0.60	G	1322			0.5	37			
	676	3-2		67.76	68.26	0.50	G	2069			0.7	142			
	677	4-2		91.52	92.57	1.05	G	394			<0.5	69			
	678	5-1		95.23	95.83	0.60	G	156			<0.1	19			
	679	5-3		110.57	111.07	0.50	G	88			0.3	16			
	680	7-1		126.10	126.28	0.18	G	266			<0.3	66			
	681	7-2		126.28	127.70	1.42	G	21			<0.1	10			
	682	7-3		127.70	128.90	1.20	G	14			<0.1	14			
	683	9-2		147.93	148.43	0.50	G	24			<0.1	38			
	684	10-2		163.76	164.87	1.11	G	34			0.1	19			
	685	6-2		123.27	123.49	0.22	G	1274			0.7	35			

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH OC PHASE ___

TOTAL NUMBER OF SAMPLES

Assay ___
Geochemical 11

ELEMENT ANALYSIS CODING
A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98686	6-2		78.40	78.76	0.36	G	16			1.2	56			
	687	8-2		104.89	105.04	0.15	G	13			<0.1	17			
	688	11-2		122.64	122.98	0.34	G	9			<0.1	22	(107)		* check Sample. for Au
	689	11-3		122.98	123.77	0.79	G	15			<0.1	9			
	690	11-4		123.77	124.39	0.62	G	14			<0.1	9			
	691	11-5		124.39	125.52	1.13	G	11			<0.1	10			
	692	11-6		125.52	127.66	2.14	G	6			<0.1	13			
	693	11-7		127.66	129.43	1.77	G	8			<0.1	9			
	694	11-8		129.43	130.78	1.35	G	5			<0.1	9			
	695	11-9		130.78	131.62	0.84	G	15			<0.1	70			
	696	12-1		131.62	133.02	1.40	G	21			<0.1	72			

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH 01 PHASE ___

TOTAL NUMBER OF SAMPLES

Assay ___ Geochemical 9

ELEMENT ANALYSIS CODING

A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98697	1-2		10.10	11.50	1.40	G	12			<0.1	15			
	698	1-3		11.50	13.00	1.50	G	27			<0.1	<5			
	699	1-4		13.00	14.41	1.41	G	13			<0.1	14			
	700	3-1		33.35	34.53	1.18	G	8			<0.1	<5			
	701	3-2		34.53	36.53	2.00	G	17			<0.1	<5			
	702	3-3		35.53	36.53	1.00	G	23			<0.1	8			
	703	4-1		36.53	37.53	1.00	G	14			<0.1	12			
	704	7-2		66.01	66.63	0.62	G	25			<0.1	<5			
	705	7-4		74.00	74.40	0.40	G	9			<0.1	12			

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH 08 PHASE ____

TOTAL NUMBER OF SAMPLES

Assay ____
Geochemical 18

ELEMENT ANALYSIS CODING

A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98706	1-2		22.60	24.00	1.40	G	13			<0.1	<5			
	707	1-3		24.00	24.47	0.47	G	15			0.1	48			
	708	1-4		24.47	25.30	0.83	G	13			<0.1	<5			
	709	3-2		38.63	39.56	0.93	G	11			<0.1	8			
	710	4-2		50.47	51.60	1.13	G	13			<0.1	<5			
	711	7-1		95.55	97.04	1.49	G	11			<0.1	1290			
	712	7-2		97.04	98.02	0.98	G	25			0.1	3970			
	717	7-3		98.02	98.97	0.95	G	10			<0.1	132			
	718	8-2		100.01	101.30	1.29	G	65			<0.1	41			
	719	8-3		112.30	113.35	1.25	G	6			<0.1	8			
	720	10-1		140.56	141.56	1.00	G	19			10	10			
	721	10-2		141.56	142.31	0.75	G	6			<0.1	<5			
	722	10-3		142.31	142.99	0.68	G	6			<0.1	36			
	723	10-4		142.99	143.69	0.70	G	6			<0.1	5			
	724	10-5		143.69	145.01	1.32	G	3			<0.1	<5			
	725	10-6		145.01	145.92	0.91	G	3			<0.1	<5			
	726	10-8		148.04	148.88	0.84	G	3			<0.1	<5			
	727	10-9		148.88	149.67	0.79	G	10			<0.1	<5			

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH 09 PHASE ___

TOTAL NUMBER OF SAMPLES

Assay ___ Geochemical 30

ELEMENT ANALYSIS CODING

A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98728	3-2		59.66	59.85	0.19	G	122			<0.1	56			
	729	3-3		59.85	60.65	0.80	G	161			<0.1	<5			
	730	3-4		60.65	61.35	0.70	G	85			<0.1	6			
	731	3-5		61.35	62.16	0.81	G	92			<0.1	14			
	732	3-6		62.16	62.56	0.40	G	150			0.2	10			
	733	3-7		62.56	63.33	0.77	G	57			<0.1	8			
	734	4-1		63.33	64.33	1.00	G	72			0.1	6			
	735	4-2-1		67.45	68.28	0.83	G	109			<0.1	15			
	736	4-2-2		68.28	68.88	0.60	G	343			<0.1	<5			
	737	4-2-3		68.88	69.62	0.74	G	132			0.1	<5			
	738	4-3		82.30	83.33	1.03	G	42			<0.1	7			
	739	4-4		83.33	85.03	1.70	G	94			0.2	<5			
	740	4-5		85.03	85.80	0.77	G	392			0.1	14			
	741	4-7		92.98	92.96	0.98	G	348			0.2	<5			
	742	4-8		92.96	93.96	1.00	G	132			<0.1	<5			
	743	4-9		93.96	95.57	1.61	G	482			0.3	8			
	746	6-2		142.22	143.20	0.98	G	34			0.1	9			
	747	6-4		146.38	147.30	0.92	G	32			0.1	<5			
	748	6-5		147.30	148.14	0.84	G	19			0.3	<5			
	749	6-6		148.14	149.65	1.51	G	29			<0.1	<5			
	750	5-2		130.68	132.10	1.50	G	35			<0.1	<5			
	98926	5-3		132.10	133.60	1.50	G	49			<0.1	<5			
	944	6-1-1		133.60	135.10	1.50	G	72			<0.1	28			
	945	6-1-2		135.10	136.60	1.50	G	52			0.1	15			
	929	4-11		105.90	107.51	1.61	G	159			1.0	1564			
	11606	4-10-2		104.28	105.40	1.12	G	107			<0.1	6			
	11607	4-10-3		105.40	105.90	0.50	G	88			<0.1	<5			
	11608	4-11-2		107.51	108.33	0.82	G	176			0.6	616			
	11609	4-11-3		108.31	108.89	0.58	G	29			<0.1	33			
	11610	4-11-4		108.89	109.70	0.81	G	56			0.1	21			

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH 10 PHASE ___

TOTAL NUMBER OF SAMPLES

Assay ___

Geochemical 16

ELEMENT ANALYSIS CODING

A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98928	3-2		45.70	46.46	0.76	G								
	929	3-3		46.46	47.48	1.02	G	46			<0.1	17			
	930	5-2		67.98	68.76	0.78	G	39			<0.1	154			
	931	6-2		80.57	80.95	0.38	G	134			0.2	55			
	932	8-2		91.92	93.45	0.53	G	88			<0.1	6			
	933	8-3		93.45	94.92	1.47	G	107			0.1	<5			
	934	9-1		94.92	96.42	1.50	G	108			<0.1	5			
	935	9-2		96.42	97.92	1.50	G	56			<0.1	<5			
	936	10-2		129.36	129.90	0.54	G	178			0.1	9			
	937	10-3		129.90	130.72	0.82	G	456			<0.1	92			
	938	10-5		132.60	133.89	1.29	G	148			0.1	<5			
	939	10-7		140.84	141.45	0.61	G	103			0.1	9			
	940	11-2		171.20	172.76	1.46	G	91			<0.1	39			
	941	11-4		181.45	183.00	1.55	G	50			0.1	6			
	942	11-5		183.00	184.39	1.39	G	39			<0.1	9			
	943	11-6		184.39	185.30	0.91	G	56			<0.1	6			

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH 11 PHASE ___

TOTAL NUMBER OF SAMPLES

Assay ___
Geochemical 19

ELEMENT ANALYSIS CODING
A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98944	5-2	44.07	45.07	1.00		G	11			<0.1	<5			
	98945	5-3	45.07	45.67	0.60		G	20			<0.1	6			
	98946	5-4	45.67	46.45	0.78		G	78			<0.1	193			
	98947	5-5	46.45	47.27	0.82		G	13			<0.1	14			
	98948	5-6	47.27	48.05	0.78		G	27			<0.1	15			
	98949	5-7	48.05	49.05	1.00		G	34			<0.1	<5			
	98950	5-8	49.05	50.35	1.30		G	19			<0.1	10			
	98951	5-9	50.35	51.65	1.30		G	23			0.3	1358			
	98952	5-10	51.65	52.33	0.68		G	26			<0.1	474			
	98453	6-1	52.33	53.27	0.94		G	35			<0.1	18			
	98954	8-2	106.23	106.81	0.58		G	65			<0.1	6			
	98955	8-3	106.81	107.70	0.89		G	31			<0.1	<5			
	98956	8-4	107.70	108.09	0.39		G	65			<0.1	<5			
	98957	10-2	124.66	125.27	0.61		G	31			0.2	9790			
	11601	10-1-2	123.00	124.00	1.00		G	13			0.1	767			
	11602	10-1-3	124.00	124.48	0.48		G	29			<0.1	9			
	11603	10-1-4	124.48	124.66	0.18		G	10			<0.1	15			
	11604	10-2-2	125.27	126.04	0.77		G	17			<0.1	<5			
	11605	10-2-3	126.04	127.04	1.00		G	18			<0.1	358			

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH 12 PHASE ___

TOTAL NUMBER OF SAMPLES
Assay ___
Geochemical 4

ELEMENT ANALYSIS CODING
A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98958	4-2		60.14	61.39	1.0	G	9			<0.1	64			
	98959	5-2		105.76	106.15	0.39	G	7			<0.1	48			
	98960	6-2		110.47	111.11	0.64	G	20			<0.1	5			
	98961	6-4		115.59	116.03	0.44	G	4			<0.1	9			

ABERMIN CORPORATION

ASSAY & GEOCHEMICAL ANALYSIS SUMMARY

DDH 13 PHASE ___

TOTAL NUMBER OF SAMPLES

Assay ___

Geochemical 8

ELEMENT ANALYSIS CODING

A Assay
G Geochemical
Gr Geochemical Grind Sample

Report No.	Tag No.	Unit No.	Lith Type	From	To	Meters	Code	Cu ppm	Pb	Zn	Ag ppm	Au ppb	Ba	SG	REMARKS
	98962	1-2		58.56	59.61	1.05	G	9			<0.1	<5			
	98963	1-3		59.61	60.48	0.87	G	8			<0.1	<5			
	98964	1-5		68.81	70.03	1.22	G	33			<0.1	10			
	98965	1-6		70.03	70.53	0.50	G	6			<0.1	5			
	98966	1-7		70.53	71.14	0.61	G	10			0.1	8			
	98967	1-8		71.14	72.32	1.18	G	6			<0.1	<5			
	98968	1-10		89.65	90.43	0.78	G	43			<0.1	<5			
	98969	1-12		110.67	111.38	0.71	G	164			0.3	5			

APPENDIX 3

DRILL RETURN SAMPLE RESULTS

SAMPLE SHIPMENT SUMMARY

YEAR: ____ PROJECT: GL-88-1

RETURNS (SLUDGE)

SHIPMENT NUMBER	DATE SENT	SAMPLE NUMBER GEOCHEM	SAMPLE NUMBER ASSAY	DESCRIPTION (METERS)	RESULTS RECEIVED DATE	CERTIF. NO.	P/F*
			OVERBURDEN	0 - 6.09			
			101676	6.09-14.32			
			101677	14.32-20.42			
			101678	20.42-26.51			
			101679	26.51-32.61			
			101680	32.61-38.70			
			101681	38.70-44.80			
			101682	44.80-50.90			
			101683	50.90-56.99			
			101684	56.99-63.09			
			101685	63.09-69.18			
			101686	69.18-75.28			
			101687	75.28-81.38			
			101688	81.38-93.57			
		NO Sample	~~101689~~	93.57 99.66			
			101689	99.66-105.76			
	POS NOT	SAMPLED *	101690	105.76-111.86			
			101691	111.86-117.95			
			101692	117.95-124.05			
			101693	124.05-130.14			
			101694	130.14-136.24			
			101695	136.24-142.34			
			101696	142.34-148.43			
			101697	148.48-154.53			

* P = PRELIMINARY F = FINAL

SAMPLE SHIPMENT SUMMARY

YEAR: _____ PROJECT: GL-88-2

RETURN (SLUDGE)

SHIPMENT NUMBER	DATE SENT	SAMPLE NUMBER GEOCHEM	SAMPLE NUMBER ASSAY	DESCRIPTION	RESULTS RECEIVED DATE	RESULTS RECEIVED CERTIF. NO.	RESULTS RECEIVED P/F*
101698		1	OVERBURDEN	0 - 5.18			
101699		2		5.18 - 11.27			
101700		3		11.27 - 17.37			
101701		4		17.37 - 23.46			
101702		5		23.46 - 29.56			
101703		6		29.56 - 35.66			
101704		7		35.66 - 41.75			
101705		8		41.75 - 47.85			
101706		9		47.85 - 53.94			
101707		10		53.94 - 60.04			
101708		11		60.04 - 66.14			
101709		12		66.14 - 72.23			
101710		13		72.23 - 78.33			
101711		14		- 84.42			
101712		15		- 90.52			
101713		16		- 96.62			
101714		17		- 102.71			
101715		18		- 108.81			
101716		19		- 114.90			
101717		20		- 121.00			

* P = PRELIMINARY F = FINAL

SAMPLE SHIPMENT SUMMARY

YEAR: _____ PROJECT: 66-88-3

RETURN (SLUDGE)

SHIPMENT NUMBER	DATE SENT	SAMPLE NUMBER GEOCHEM	SAMPLE NUMBER ASSAY	DESCRIPTION (METERS)	RESULTS RECEIVED DATE	CERTIF. NO.	P/F*
			OVERBURDEN	0 - 14.32			
			101718	14.32 - 20.42			
			101719	20.42 - 26.51			
			101720	26.51 - 32.61			
			101721	32.61 - 38.70			
			101722	38.70 - 44.80			
			101723	44.80 - 50.90			
			101724	50.90 - 56.99			
			101725	56.99 - 63.09			
			101726	63.09 - 69.18			
			101727	69.18 - 75.28			
			101728	75.28 - 81.38			
			101729	81.38 - 87.47			
			101730	87.47 - 93.57			
			101731	93.57 - 99.66			
			101732	99.66 - 105.76			
			101733	105.76 - 111.86			
			101734	111.86 - 117.95			
			101735	117.95 - 124.05			
			101736	124.05 - 130.14			
			101737	130.14 - 136.24			
			101738	136.24 - 142.34			
			101739	142.34 - 148.43			
			101740	148.43 - 154.53			
			101741	154.53 - 160.62			
			101742	160.62 - 166.72			
			101743	166.72 - 172.82			
			101744	172.82 - 178.91			

* P = PRELIMINARY F = FINAL

SAMPLE SHIPMENT SUMMARY

YEAR: _____ PROJECT: GL-88-4

RETURN (SLUDGE)

SHIPMENT NUMBER	DATE SENT	SAMPLE NUMBER GEOCHEM	SAMPLE NUMBER ASSAY	DESCRIPTION	RESULTS RECEIVED DATE	RESULTS RECEIVED CERTIF. NO.	RESULTS RECEIVED P/F*
			OVERBURDEN	0 - 5.18			
			101745	5.18 - 11.27			
			101746	11.27 - 17.37			
			101747	17.37 - 23.46			
			101748	23.46 - 29.56			
			101749	29.56 - 35.66			
			101750	35.66 - 41.75			
			101751	41.75 - 47.85			
			101752	47.85 - 53.94			
			101753	53.94 - 60.04			
			101754	60.04 - 66.14			
			101755	66.14 - 72.23			
			101756	72.23 - 78.33			
			101757	78.33 - 84.42			
			101758	84.42 - 90.52			
			101759	90.52 - 96.62			
			101760	96.62 - 102.71			
			101761	102.71 - 108.81			
			101762	108.81 - 114.90			
			101763	114.90 - 121.00			
			101764	121.00 - 127.10			

* P = PRELIMINARY F = FINAL

SAMPLE SHIPMENT SUMMARY

YEAR: _____ PROJECT: GL-88-5

RETURN (SLUDGE)

SHIPMENT NUMBER	DATE SENT	SAMPLE NUMBER GEOCHEM	SAMPLE NUMBER ASSAY	DESCRIPTION (METERS)	RESULTS RECEIVED DATE	RESULTS RECEIVED CERTIF. NO.	RESULTS RECEIVED P/F*
			101765	0 – 5.18			
			101766	5.18 – 11.27			
			101767	11.27 – 17.37			
			101768	17.37 – 23.46			
			101769	23.46 – 29.56			
			101770	29.56 – 32.61			

* P = PRELIMINARY F = FINAL

ABERMIN CORPORATION

BOREHOLE LOG

BOREHOLE NO.: 4L-88-6 PAGE:

RETURN (sludge)

DEPTH TO BASE	THICK	ROCK TYPE	DESCRIPTION (METERS)
		101771	0 - 11.27
		101772	11.27 - 17.37
		101773	17.37 - 23.46
		101774	23.46 - 29.56
		101775	29.56 - 32.61
		101776	32.61 - 38.70
		101777	38.70 - 44.80
		101778	44.80 - 50.90
		101779	50.90 - 56.99
		101780	56.99 - 63.09
		101781	63.09 - 69.18
		101782	69.18 - 75.28
		101783	75.28 - 81.38
		101784	81.38 - 87.47
		101785	87.47 - 93.57
		101786	93.57 - 99.66
		101787	99.66 - 105.76
		101788	105.76 - 111.86
		101789	111.86 - 117.95
		101790	117.95 - 124.05
		101791	124.05 - 130.14
		101792	130.14 - 136.24
			~~136.24~~ -

ABERMIN CORPORATION

BOREHOLE LOG

BOREHOLE NO.: 6L-88-07 PAGE:

RETURN (SLUDGE)

DEPTH TO BASE	THICK	TAG NO. ~~ROCK TYPE~~	DESCRIPTION (METERS)
		VERMICULITE	0 - 5.18
		101793	5.18 - 11.27
		101794	11.27 - 17.37
		101795	17.37 - 23.46
		101796	23.46 - 29.56
		101797	29.56 - 35.66
		101798	35.66 - 41.75
		101799	41.75 - 47.85
		101800	47.85 - 53.94
		101801	53.94 - 60.04
		101802	60.04 - 66.14
		101803	66.14 - 72.23
		101804	72.23 - 78.33
		101805	78.33 - 84.42
		101806	84.42 - 90.52
		101807	90.52 - 96.62
		101808	96.62 - 102.71
		101809	102.71 - 108.81
		101810	108.81 - 114.90
		101811	114.90 - 117.95

ABERDIN CORPORATION

BOREHOLE LOG

BOREHOLE NO.: GL-78-08 PAGE:

RETURN (SLUDGE)

DEPTH TO BASE	THICK	ROCK TYPE	DESCRIPTION
			METERS
		OVERBURDEN	0 — 5.18
		101812	5.18 — 11.27
		101813	11.27 — 17.37
		101814	17.37 — 23.46
		101815	23.46 — 29.56
		101816	29.56 — 35.66
		101817	35.66 — 41.75
		101818	41.75 — 47.85
		101819	47.85 — 53.94
		101820	53.94 — 60.04
		101821	60.04 — 66.14
		101822	66.14 — 72.23
		101823	72.23 — 78.33
		101824	78.33 — 84.42
		101825	84.42 — 90.52
		101826	90.52 — 96.62
		101827	96.62 — 102.71
		101828	102.71 — 108.81
		101829	108.81 — 114.90
		101830	114.90 — 121.00
		101831	121.00 — 127.10
		101832	127.10 — 133.19
		101833	133.19 — 139.29
		101834	139.29 — 145.38
		101835	145.38 — 151.48
		101836	151.48 — ~~154.53~~ 157.58
		101837	157.58 — 163.67

BOREHOLE LOG

BOREHOLE NO.: GL-88-09 PAGE:

RETURN (SLUDGE)

DEPTH TO BASE	THICK	ROCK TYPE	DESCRIPTION (METERS)
		OVERBURDEN	0 – 11.27
		101838	11.27 – 17.37
		101839	17.37 – 23.46
		101840	23.46 – 29.56
		101841	29.56 – 35.66
		101842	35.66 – 41.75
		101843	41.75 – 47.85
		101844	47.85 – 53.94
		101845	53.94 – 60.04
		101846	60.04 – 66.14
		101847	66.14 – 72.23
		101848	72.23 – 78.33
		101849	78.33 – 84.42
		101850	84.42 – 90.52
		101851	90.52 – 96.62
		101852	96.62 – 102.71
		101853	102.71 – 108.81
		101854	108.81 – 114.90
		101855	114.90 – 121.00
		101856	121.00 – 127.10
		101857	127.10 – 133.19
		101858	133.19 – 139.29
		101859	139.29 – 145.38
		101860	145.38 – 151.48

BOREHOLE LOG

BOREHOLE NO.: GL-88-10 PAGE:

RETURN (SLUDGE)

DEPTH TO BASE	THICK	ROCK TYPE	DESCRIPTION (METERS)
		OVERBURDEN	0 — 6.09
		101861	6.09 — 11.27
		101862	11.27 — 17.37
		101863	17.37 — 23.46
		101864	23.46 — 29.56
		101865	29.56 — 35.66
		101866	35.66 — 41.75
		101867	41.75 — 47.85
		101868	47.85 — 53.94
		101869	53.94 — 60.04
		101870	60.04 — 66.14
		101871	66.14 — 72.23
		101872	72.23 — 78.33
		101873	78.33 — 84.42
		101874	84.42 — 90.52
		101875	90.52 — 96.62
		101876	96.62 — 102.71
		101877	102.71 — 108.81
		101878	108.81 — 114.90
		101879	114.40 — 121.00
		101880	121.00 — 127.10
		101881	127.10 — 133.19
		101882	133.19 — 139.29
		101883	139.29 — 145.38
		101884	145.38 — 151.48
		101885	151.48 — 157.58
		101886	157.58 — 163.67
		101887	163.67 — 169.77
		101888	169.77 — 175.88
		101889	175.88 — 181.96
		101890	181.96 — 188.06
		101891	188.06 — 194.15

ABERMIN CORPORATION

BOREHOLE LOG

BOREHOLE NO.: GL-88-11 PAGE:

RETURN (SLUDGE)

DEPTH TO BASE	THICK	ROCK TYPE	DESCRIPTION (METERS)
		OVERBURDEN.	0 — 5.18
		101892	5.18 — 11.27
		101893	11.27 — 17.37
		101894	17.37 — 23.46
		101895	23.46 — 29.56
		101896	29.56 — 35.66
		101897	35.66 — 41.75
		101898	41.75 — 47.85
		101899	47.85 — 53.94
		101900	53.94 — 60.04
		101901	60.04 — 66.14
		101902	66.14 — 72.23
		101903	72.23 — 78.33
		101904	78.33 — 84.42
		101905	84.42 — 90.52
		101906	90.52 — 96.62
		101907	96.62 — 102.71
		101908	102.71 — 108.81
		101909	108.81 — 114.90
		101910	114.90 — 121.00
		101911	121.00 — 127.10
		101912	127.10 — 133.19
		101913	133.19 — 139.29

BOREHOLE LOG

BOREHOLE NO.: 41-88-12 PAGE:

RETURN (SLUDGE)

DEPTH TO BASE	THICK	ROCK TYPE	DESCRIPTION (METERS)
		OVERBURDEN	0 – 24.38
		101914	24.38 – 32.61
		101915	32.61 – 38.70
		101916	38.70 – 44.80
		101917	44.80 – 50.90
		101918	50.90 – 56.99
		101919	56.99 – 63.09
		101920	63.09 – 69.18
		101921	69.18 – 75.28
		101922	75.28 – 81.38
		101923	81.38 – 87.47
		101924	87.47 – 93.57
		101925	93.57 – 99.66
		101926	99.66 – 105.76
		101927	105.76 – 111.86
		101928	111.86 – 117.95
		101929	117.95 – 124.05
		101930	124.05 – 130.14
		101931	130.14 – 136.24
		101932	136.24 – 142.34 467
		101933	142.34 – 148.43
		101934	148.43 – 154.53

SAMPLE LOG

BOREHOLE NO.: GL-88-13 PAGE:

RETURN (CUTTINGS)

SAMPLE NUMBER	DEPTH TO BASE	THICKNESS DRILLED	THICKNESS RECOVERED	THICKNESS TOTAL	ROCK TYPE	REMARKS (METERS)
					OVERBURDEN	0 - 45.11
					101935	45.11 — 50.90
					101936	50.90 — 56.99
					101937	56.99 — 63.09
					101938	63.09 — 69.18
					101939	69.18 — 75.28
					101940	75.28 — 81.38
					101941	81.38 — 87.47
					101942	87.47 — 93.57
					101943	93.57 — 99.66
					101944	99.66 - 105.76 347
					101945	105.76 — 111.86
					101946	111.86 - 117.95
					101947	117.95 — 124.05
					101948	124.05 — 130.14
					101949	130.14 — 136.24
					101950	136.24 — 139.29

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REPORT: V88-09332.0 | PROJECT: GALAXY | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM
Z2 101676		<5	0.1	143
Z2 101677		<5	0.3	67
Z2 101678		19	0.3	53
Z2 101679		25	0.1	116
Z2 101680		11	<0.1	123
Z2 101681		<5	<0.1	44
Z2 101682		<5	<0.1	71
Z2 101683		<5	<0.1	105
Z2 101684		<5	<0.1	61
Z2 101685	01	<5	0.9	81
Z2 101686		<5	<0.1	92
Z2 101687		<5	<0.1	68
Z2 101688		5	<0.1	66
Z2 101689		10	<0.1	54
Z2 101690		<5	<0.1	27
Z2 101691		<5	<0.1	68
Z2 101692		<5	<0.1	45
Z2 101693	124.05 - 130.14	<5	1.0	47
Z2 101694	130.14 - 136.24	<5	1.3	42
Z2 101695	136.24 - 142.34	<5	2.7	56
Z2 101696		18	<0.1	77
Z2 101697		<5	0.2	80
Z2 101698		<5	0.2	68
Z2 101699	5.18 - 11.27	<5	7.0	62
Z2 101700		<5	<0.1	35
Z2 101701		<5	<0.1	84
Z2 101702		<5	<0.1	60
Z2 101703		6	<0.1	39
Z2 101704		<5	<0.1	38
Z2 101705		<5	<0.1	40
Z2 101706	02	6	<0.1	29
Z2 101707		5	<0.1	48
Z2 101708		13	<0.1	38
Z2 101709		5	<0.1	52
Z2 101710		7	<0.1	52
Z2 101711		6	<0.1	35
Z2 101712		9	<0.1	41
Z2 101713		<5	<0.1	43
Z2 101714		5	<0.1	49
Z2 101715		<5	<0.1	52
Z2 101716	02	9	<0.1	73
Z2 101717		<5	<0.1	53
Z2 101718		<5	<0.1	84
Z2 101719		<5	<0.1	85
Z2 101720		<5	<0.1	109
Z2 101721		<5	0.8	124
Z2 101722		<5	<0.1	92
Z2 101723		<5	<0.1	113
Z2 101724		<5	<0.1	118
Z2 101725		5	<0.1	97
Z2 101726		<5	<0.1	124
Z2 101727		<5	<0.1	125
Z2 101728		<5	<0.1	107
Z2 101729		<5	<0.1	54
Z2 101730		<5	<0.1	25
Z2 101731	03	6	<0.1	56
Z2 101732	99.66 - 105.76	39	0.1	793
Z2 101733		8	<0.1	65
Z2 101734		14	<0.1	77
Z2 101735		7	<0.1	69
Z2 101736		8	<0.1	157
Z2 101737		8	<0.1	56
Z2 101738		10	<0.1	79
Z2 101739		9	<0.1	62
Z2 101740		6	<0.1	62
Z2 101741		6	<0.1	26
Z2 101742		<5	<0.1	39
Z2 101743		<5	<0.1	50
Z2 101744		<5	<0.1	51
Z2 101745		10	0.2	256
Z2 101746	11.27 - 17.37	13	0.8	419
Z2 101747		7	5.1	166
Z2 101748		5	<0.1	90
Z2 101749		<5	<0.1	97
Z2 101750	04	<5	<0.1	100
Z2 101751		6	<0.1	64
Z2 101752		<5	<0.1	52
Z2 101753		<5	<0.1	108
Z2 101754		8	<0.1	78
Z2 101755		7	<0.1	44

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REPORT: V88-09332.0

PROJECT: GALAXY PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM
Z2 101756		<5	<0.1	53					
Z2 101757		9	<0.1	101					
Z2 101758		<5	0.1	51					
Z2 101759	04	<5	<0.1	56					
Z2 101760		<5	<0.1	51					
Z2 101761		5	<0.1	36					
Z2 101762		7	<0.1	34					
Z2 101763		<5	<0.1	35					
Z2 101764		<5	<0.1	40					

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REPORT: V86-10000.0 | PROJECT: GALAXY | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	
Z2 101765		117	0.5	291	0 - 5.18
Z2 101766		19	0.3	340	
Z2 101767	05	22	0.2	475	
Z2 101768		15	0.2	292	
Z2 101769		18	<0.1	274	
Z2 101770		12	0.2	437	
Z2 101771		<5	<0.1	148	
Z2 101772		<5	<0.1	105	
Z2 101773		<5	<0.1	75	
Z2 101774		<5	<0.1	167	
Z2 101775		<5	<0.1	95	
Z2 101776		10	0.1	67	
Z2 101777		5	<0.1	30	
Z2 101778		20	<0.1	75	
Z2 101779		<5	0.2	74	
Z2 101780		9	0.2	64	
Z2 101781		18	0.4	83	
Z2 101782	06	6	<0.1	28	
Z2 101783		5	0.1	38	
Z2 101784		10	<0.1	56	
Z2 101785		32	<0.1	76	
Z2 101786		5	0.2	43	
Z2 101787		<5	0.1	73	
Z2 101788		<5	0.1	142	
Z2 101789		<5	<0.1	383	111.86 - 117.95
Z2 101790		6	0.2	213	
Z2 101791		10	0.1	189	
Z2 101792		20	0.1	135	
Z2 101793		61	<0.1	214	5.18 - 11.27
Z2 101794		16	<0.1	91	
Z2 101795		31	<0.1	44	
Z2 101796		5	<0.1	33	
Z2 101797	07	62	<0.1	37	29.56 - 35.66
Z2 101798		6	<0.1	93	
Z2 101799		8	<0.1	31	
Z2 101800		8	<0.1	32	
Z2 101801		8	<0.1	37	
Z2 101802		<5	<0.1	40	
Z2 101803		<5	<0.1	29	
Z2 101804		12	<0.1	32	

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	
Z2 101805		<5	<0.1	29	
Z2 101806		<5	<0.1	33	
Z2 101807	07	<5	<0.1	30	
Z2 101808		60	<0.1	46	96.62 - 102.71
Z2 101809		9	<0.1	34	
Z2 101810		6	<0.1	101	
Z2 101811		14	<0.1	172	
Z2 101812		<5	<0.1	37	
Z2 101813		5	<0.1	16	
Z2 101814		8	<0.1	21	
Z2 101815		<5	<0.1	23	
Z2 101816		<5	<0.1	21	
Z2 101817		13	<0.1	17	
Z2 101818		6	<0.1	57	
Z2 101819		<5	<0.1	44	
Z2 101820		8	<0.1	22	
Z2 101821		<5	<0.1	18	
Z2 101822		6	<0.1	19	
Z2 101823	08	<5	<0.1	14	
Z2 101824		<5	<0.1	17	
Z2 101825		8	<0.1	20	
Z2 101826		95	<0.1	240	90.52 - 96.62
Z2 101827		472	0.1	66	96.62 - 102.71
Z2 101828		92	<0.1	64	102.71 - 108.81
Z2 101829		162	<0.1	58	108.81 - 114.90
Z2 101830		72	<0.1	44	114.90 - 121.00
Z2 101831		78	<0.1	54	121.0 - 127.10
Z2 101832		40	<0.1	77	
Z2 101833		33	<0.1	58	
Z2 101834		163	<0.1	93	139.29 - 145.38
Z2 101835		56	<0.1	90	
Z2 101836		17	<0.1	41	
Z2 101837		<5	<0.1	37	
Z2 101838		<5	0.2	304	
Z2 101839		6	<0.1	219	
Z2 101840		5	<0.1	238	
Z2 101841	09	6	<0.1	204	
Z2 101842		8	<0.1	282	
Z2 101843		7	<0.1	245	
Z2 101844		9	<0.1	208	

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	
Z2 101845-101846 COMP		8	<0.1	234	
Z2 101847		10	<0.1	185	
Z2 101848		13	<0.1	152	
Z2 101849		<5	<0.1	218	
Z2 101850		9	<0.1	163	
Z2 101851		11	<0.1	156	
Z2 101852		11	<0.1	104	
Z2 101853		35	<0.1	176	
Z2 101854		70	<0.1	289	108.31-114.90
Z2 101855		17	<0.1	115	
Z2 101856		17	<0.1	118	
Z2 101857		6	<0.1	98	
Z2 101858		9	<0.1	68	
Z2 101859		9	0.1	64	
Z2 101860		8	<0.1	67	
Z2 101861		7	0.1	196	
Z2 101862		<5	<0.1	156	
Z2 101863		6	<0.1	156	
Z2 101864		<5	0.1	147	
Z2 101865		72	<0.1	85	29.56-35.66
Z2 101866		19	<0.1	84	
Z2 101867		18	<0.1	100	
Z2 101868		13	<0.1	125	
Z2 101869		15	1.4	100	
Z2 101870		14	<0.1	86	
Z2 101871		>82	<0.1	103	66.14-72.23
Z2 101872		17	<0.1	135	
Z2 101873		60	0.2	91	
Z2 101874		18	0.1	73	
Z2 101875		16	<0.1	139	
Z2 101876		24	<0.1	183	
Z2 101877		37	<0.1	114	
Z2 101878		32	<0.1	152	
Z2 101879		28	<0.1	118	
Z2 101880		20	0.4	212	
Z2 101881		51	0.2	195	
Z2 101882		22	0.1	144	
Z2 101883		12	0.1	173	
Z2 101884		30	<0.1	123	
Z2 101885		17	0.1	122	

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	
Z2 101886		18	0.1	110	
Z2 101887		16	<0.1	118	
Z2 101888		20	0.1	87	
Z2 101889		17	<0.1	79	
Z2 101890		35	<0.1	86	
Z2 101891		82	<0.1	96	
Z2 101892		8	0.3	111	
Z2 101893		12	<0.1	68	
Z2 101894		7	<0.1	20	
Z2 101895		8	<0.1	36	
Z2 101896		9	<0.1	63	
Z2 101897		9	<0.1	37	
Z2 101898		24	<0.1	61	
Z2 101899		371	<0.1	131	47.85-53.94
Z2 101900		14	0.3	105	53.94-60.04
Z2 101901		67	<0.1	64	
Z2 101902		16	<0.1	72	
Z2 101903		13	<0.1	59	
Z2 101904		10	<0.1	55	
Z2 101905		10	<0.1	74	
Z2 101906		14	<0.1	36	
Z2 101907		15	<0.1	25	
Z2 101908		11	<0.1	34	
Z2 101909		11	<0.1	36	
Z2 101910		10	<0.1	39	
Z2 101911		545	<0.1	56	121.0-127.10
Z2 101912		82	<0.1	38	127.10-133.20
Z2 101913		61	<0.1	289	133.2-139.3 m
Z2 101914		12	<0.1	285	24.38-32.61 m
Z2 101915		10	<0.1	130	
Z2 101916		10	<0.1	87	
Z2 101917		11	<0.1	67	
Z2 101918		12	<0.1	108	
Z2 101919		<5	<0.1	48	
Z2 101920		7	<0.1	37	
Z2 101921		10	<0.1	42	
Z2 101922		5	<0.1	36	
Z2 101923		<5	<0.1	31	
Z2 101924		<5	<0.1	27	
Z2 101925		<5	<0.1	31	

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REPORT: V88-10000.0

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Cu PPM
Z2 101926	Cow	8	<0.1	29					
Z2 101927	Shit	9	<0.1	25					
Z2 101928	runs	5	<0.1	83					
Z2 101929	Higher	7	<0.1	35					
Z2 101930		9	<0.1	23					
Z2 101931	12 Doug	9	<0.1	27					
Z2 101932		9	<0.1	24					
Z2 101933		9	<0.1	59					
Z2 101934	What	8	<0.1	20					
Z2 101935	are	14	<0.1	278					
Z2 101936	you	10	<0.1	99					
Z2 101937	doing	13	<0.1	204					
Z2 101938		11	<0.1	48					
Z2 101939		11	<0.1	34					
Z2 101940		12	<0.1	32					
Z2 101941	13	14	<0.1	55					
Z2 101942		10	<0.1	60					
Z2 101943		10	<0.1	28					
Z2 101944		10	<0.1	37					
Z2 101945		10	<0.1	41					
Z2 101946		10	<0.1	74					
Z2 101947		15	<0.1	31					
Z2 101948		11	<0.1	20					
Z2 101949		<5	<0.1	20					
Z2 101950		15	<0.1	22					

APPENDIX 4

EXPENDITURES

ABERMIN CORPORATION

STATEMENT OF EXPENDITURES

GALAXY PROPERTY

Salaries, Permanent	$ 12,235.00
Salaries, Temporary	2,174.10
Accomodation	626.41
Food	417.91
Equipment Rentals	1,397.79
Field Materials	232.45
Shipping	762.58
Assaying	4,582.77
Diamond Drilling	98,739.69
Reclamation	546.00
Drafting	493.38
TOTAL	$122,208.08

APPENDIX 5

AUTHOR'S QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Arthur Douglas McLaughlin of Vancouver, British Columbia hereby certify that:

1) I am a Geologist employed in the field of mineral exploration by Abermin Corporation of Suite 1007 - 700 West Pender Street, Vancouver, B.C. during the reported work period.

2) I am a graduate of Acadia University, Wolfville, Nova Scotia, holding the degree of Bachelor of Science in Geology, obtained in 1977.

3) I am a member of the Canadian Institute of Mining and Metallurgy;

4) I have worked in mineral exploration in Canada for eleven years.

February 2, 1989

A.D. McLaughlin
Geologist

STATEMENT OF QUALIFICATIONS

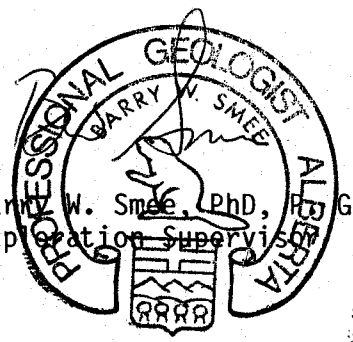
I, Barry W. Smee, of the city of Vancouver, in the Province of British Columbia, hereby certify that:

1) I graduated from the University of Alberta in 1969 with a B.Sc. in Geology, and from the University of New Brunswick in 1982 with a Ph.D. in Geology and have been practicing geology continuously for 20 years.

2) I am registered as a Professional Geologist in the Province of Alberta.

3) I am employed by Abermin Corporation of Vancouver, British Columbia, and the work described in this report was performed under my direction.

February 2, 1989



Barry W. Smee, PhD, P.Geol.
Exploration Supervisor

The Galaxy zone, a small, alkaline-type porphyry copper-gold deposit, is hosted within a fault-bounded pendant composed mainly of dioritic phases of the Iron Mask batholith and volcanic and sedimentary rocks of the Nicola Group. In 1956, Galaxy Copper Limited carried out extensive diamond drilling and surface trenching which essentially identified the present limits of the zone. The deposit has received underground development and extensive surface work culminating in some ore shipments being made.

Mineralization consists of chalcopyrite, pyrite and pyrrhotite with local bornite as fracture fillings and veinlets and as very fine-grained disseminations adjacent to fractures. Locally, veins of semimassive to massive chalcopyrite-pyrite-pyrrhotite exceed 1 metre widths. There is only very minor oxidation of sulphides within the zone below 3 metres.

The Galaxy zone is estimated to contain 3,174,850 tonnes grading 0.65 per cent copper (Assessment Report 20242). Reserve estimates are based on earlier drilling programs and underground exploration work and are hampered by a lack of complete assay data and by very poor core recoveries. In 1985, Abermin reported indicated reserves of 2,267,750 tonnes grading 0.6 per cent copper and 0.5 gram per tonne gold. In 1988, Abermin reported inferred reserves of 3,492,335 tonnes grading 0.63 per cent copper.

Teck Corporation, under and option agreement with Getchell Resources Inc., completed a 32-hole diamond drilling program on the property. The estimated resource is 3.2 millions tonnes grading 0.65 per cent copper and 0.34 gram per tonne gold (Information Circular 1997-1).

The Afton deposit (092INE023) is 9 kilometres west-northwest of the Galaxy zone and the Ajax deposit (092INE012) is 4 kilometres south-southeast.

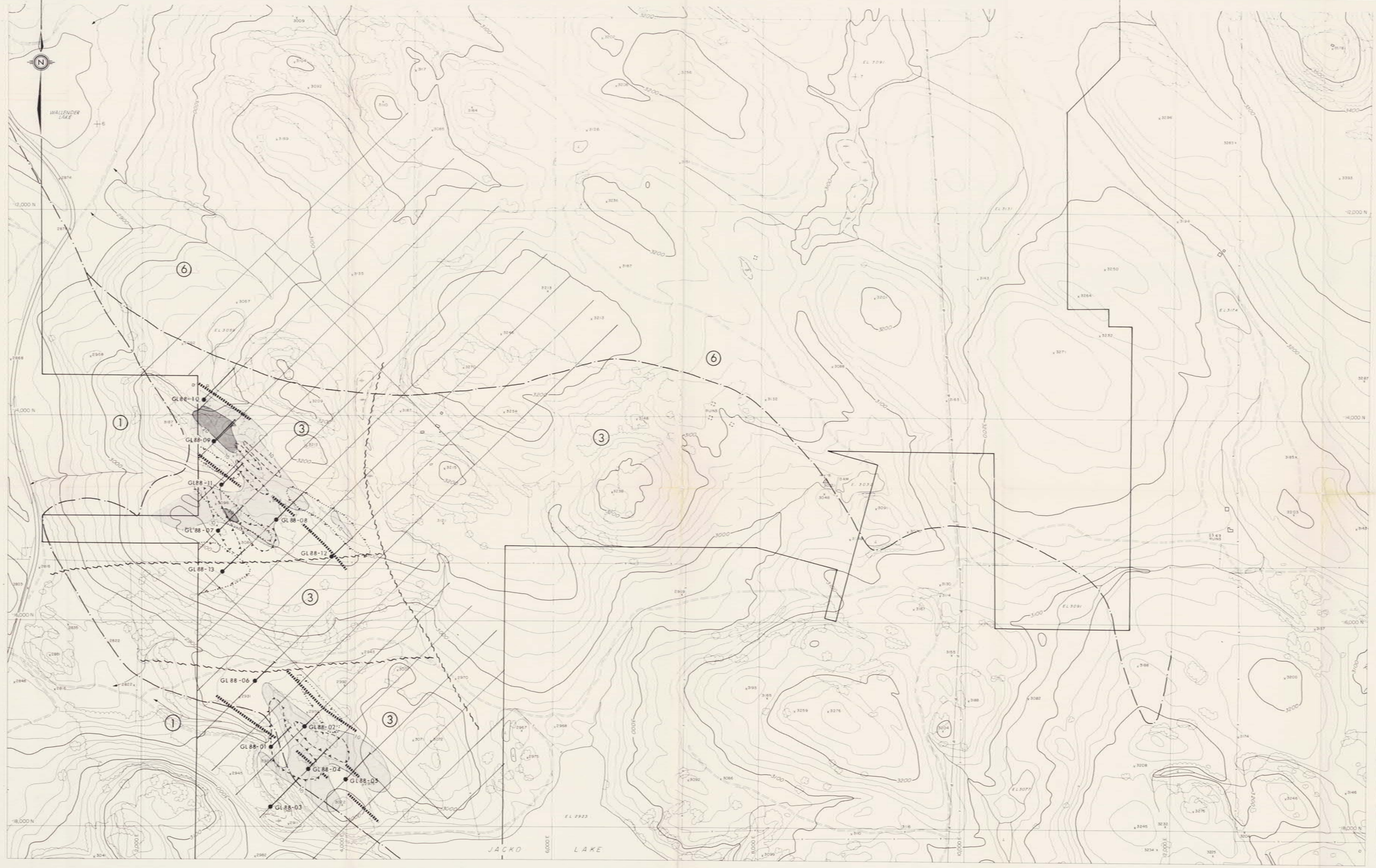
BIBLIOGRAPHY

EMPR AR 1899-605,731,732; 1900-991; 1902-191; 1903-180; 1904-231; 1905-195; 1906-174; 1908-122; 1912-327; 1913-188; 1916-216,518; 1917-450; 1956-49,57; 1957-30; 1961-46; 1962-59; 1963-58; 1964-97; 1967-137-144
EMPR ASS RPT 4013, 4317, 5933, 6864, 17780, 18611, 20241, *20242, 20663
EMPR BC METAL MM00389
EMPR BULL 77
EMPR EXPL 1977-E152
EMPR GEM 1969-235; 1971-296; 1973-198
EMPR INF CIRC 1997-1, p. 19
EMPR MAP 26; 48
EMPR OF 1992-1
EMPR PF (Maps of Induced Polarization surveys 1964-65; Nicholls, E.B. (1965): Geophysical Report on the Property of Galaxy Copper Limited; Drill sections, geology maps, location maps)
EMR MIN BULL MR 223 B.C. 141
EMR MP CORPFILE (Galaxy Copper Ltd.; Vanco Explorations Limited; Nor-West Kim Resources Ltd.; Pan Ocean Oil Ltd.; Abermin Corporation)
EMR MP RESFILE (Evening Star Resources)
GSC MAP 886A; 887A; 9-1963; 42-1989
GSC MEM 249
GSC OF 980
GSC P 44-20
CIM Spec. Vol. 46, pp. 565-580, 581-592, 593-608
GCNL #92(May 12), 1972; #16(Jan.23),#87(May 6), 1991; #223(Nov.22), 2000
Cann, R.M. (1979): Geochemistry of Magnetite and the Genesis of Magnetite-apatite Lodes in the Iron Mask Batholith, B.C. Unpub. M.Sc. Thesis, University of British Columbia

Date Coded: 1985/07/24
Date Revised: 1991/12/27

Coded By: GSB
Revised By: GO

Field Check: N
Field Check: N



LEGEND

Iron Mask Intrusive

- 6 Cherry Creek Unit
- 3 Iron Mask Hybrid Unit
- 1 Nicola Group

SYMBOLS

- I.P. chargeability anomaly (ms)
- I.P. apparent resistivity (mohm)
- Magnetic anomaly
- VLF anomaly
- Geological contact
- Fault
- Diamond drill hole

0 100 200 300 400 500
metres

PLATE I

ABERMIN CORPORATION

GALAXY PROJECT

COMPILATION MAP

SOUTH SHEET

DATE	SCALE	NTS	DRAWING NUMBER
DEC 1988.	1 : 4800	92I/9W	

Chargeability

L.4+00W

3+00S 2+00S 1+00S 0+00

DDH GL 88-01
(-45°)

DDH GL 88-02
(-60°)

900

850

800

750

metres
A.S.L.

NICOLA GROUP VOLCANICS

IRON MASK
HYBRID UNIT

Ch
D
D_B
E,m,py
D_M
387 ppb Au / 0·93m
py, e
M,e, ank
(Py), cp
Q,Cc v, (B) (Sf)
507 ppb Au / 0·60m
m,cc v
M,cc v
py, e, sf
m,cc v
M, e, py
M_D
m,E
cc v
h,Ch
E, Py
T.D. 154·53m

m,e
m, E, q cc, v
F_D
E, m, b
M, e
B, E, sf
E, Py, Q
h, Ss
T. D. 121·0m

LEGEND

LITHOLOGIES

D	Microdiorite
D_M	Diorite
M_Z	Monzonite
Sy	Syenite
D_B	Diorite Breccia
M_D	Mafic Dyke
F_D	Felsic Dyke

MINERALIZATION AND ALTERATION

py, Py, (Py)	pyrite; ≤1%, 1-5%, >5%
cp	chalcopyrite
m, M, (M)	magnetite; 5-10%, 10-20%, >20%
h, H, (H)	hematite; ≤1%, 1-5%, >5%
e, E, (E)	epidote; 5-10%, 10-20%, >20%
cc, Cc, (Cc)	calcite; weak, moderate, strong
q, Q, (Q)	quartz; weak, moderate, strong
ch, Ch, (Ch)	chlorite; weak, moderate, strong
sf, Sf, (Sf)	silicification; weak, moderate, strong
b, B, (B)	bleaching; weak, moderate, strong
ss, Ss, (Ss)	saussurite; weak, moderate, strong
f, F, (F)	feldspar; weak, moderate, strong
Z	zeolite
dol	dolomite
ank	ankerite
Fe	pervasive iron staining
v	vein
bx	breccia

SYMBOLS

- Fault
- Shear
- Rock fabric - foliation, fracturing
- Geological contact

I.P. Survey

- Chargeability anomaly
- >10 ms
- >15 ms
- >20 ms
- Apparent Resistivity Anomaly (m-ohm)
- VLF Fraser Filter Anomaly (>10)

9·79 Au, 0·2 Ag, 31 Cu / 0·61 m — grams / tonne gold, ppm Ag, ppm Cu / sample core length in metres — unless noted

metres A.S.L. — metres Above Sea Level

TD 137·10 m — Total Depth of Drillhole

0 10 20 30 40 50 60 70 80 90 100 metres

PLATE II TO ACCOMPANY REPORT NO. 6-88 BY A.D.M.

ABERMIN CORPORATION

GALAXY PROJECT
CROSS SECTION
DDH S GL 88-01,02
L. 5 + 00 W

DATE	SCALE	NTS	DRAWING NO.
DEC. 1988	1:1000	92I/9W	C-

Chargeability

L 3+00W | 2+00S | 1+00S | 0+00 | 1+00N

DDH GL 88-05 (-50°)

H, F
D_M
0·13% Cu, 37 ppb Au, 0·5 Ag
0·60 m
(Py), (F)
F_D
h, dol, ank

m
D_M
0·21% Cu, 142 ppb Au, 0·7 Ag
0·50 m
F_D
cp, Py
ss, E
M_Z
Sf, ss
py, E
D_M
M, e
D
e
D_M
D
Py, ss, sf
f
D_M
M, e, Ch
D
E

T.D. 167·64 m

IRON MASK HYBRID UNIT

900
850
800
metres
A.S.L.

LEGEND

LITHOLOGIES

D	Microdiorite
D_M	Diorite
M_Z	Monzonite
Sy	Syenite
D_B	Diorite Breccia
M_D	Mafic Dyke
F_D	Felsic Dyke

MINERALIZATION AND ALTERATION

py, Py, (Py)	pyrite; ≤1%, 1-5%, >5%
cp	chalcopyrite
m, M, (M)	magnetite; 5-10%, 10-20%, >20%
h, H, (H)	hematite; ≤1%, 1-5%, >5%
e, E, (E)	epidote; 5-10%, 10-20%, >20%
cc, Cc, (Cc)	calcite; weak, moderate, strong
q, Q, (Q)	quartz; weak, moderate, strong
ch, Ch, (Ch)	chlorite; weak, moderate, strong
sf, Sf, (Sf)	silicification; weak, moderate, strong
b, B, (B)	bleaching; weak, moderate, strong
ss, Ss, (Ss)	saussurite; weak, moderate, strong
f, F, (F)	feldspar; weak, moderate, strong
Z	zeolite
dol	dolomite
ank	ankerite
Fe	pervasive iron staining
v	vein
bx	breccia

SYMBOLS

- Fault
- Shear
- Rock fabric - foliation, fracturing
- Geological contact

I.P. Survey

- Chargeability anomaly
- >10 ms
- >15 ms
- >20 ms
- Apparent Resistivity Anomaly (m-ohm)
- VLF Fraser Filter Anomaly (>10)

9·79 Au, 0·2 Ag, 31 Cu / 0·61 m — grams/tonne gold, ppm Ag, ppm Cu / sample core length in metres — unless noted

metres A.S.L. — metres Above Sea Level

TD 137·10 m — Total Depth of Drillhole

0 10 20 30 40 50 60 70 80 90 100 metres

PROFESSIONAL GEOLOGIST ALBERTA
BARRY W. SMEE

PLATE IV TO ACCOMPANY REPORT NO. 6-88 BY A.D.M.

ABERMIN CORPORATION

GALAXY PROJECT
CROSS SECTION
DDH GL 88-05
L. 3+00 W

DATE	SCALE	NTS	DRAWING NO.
DEC. 1988.	1:1000	92I/9W	C-

VLF

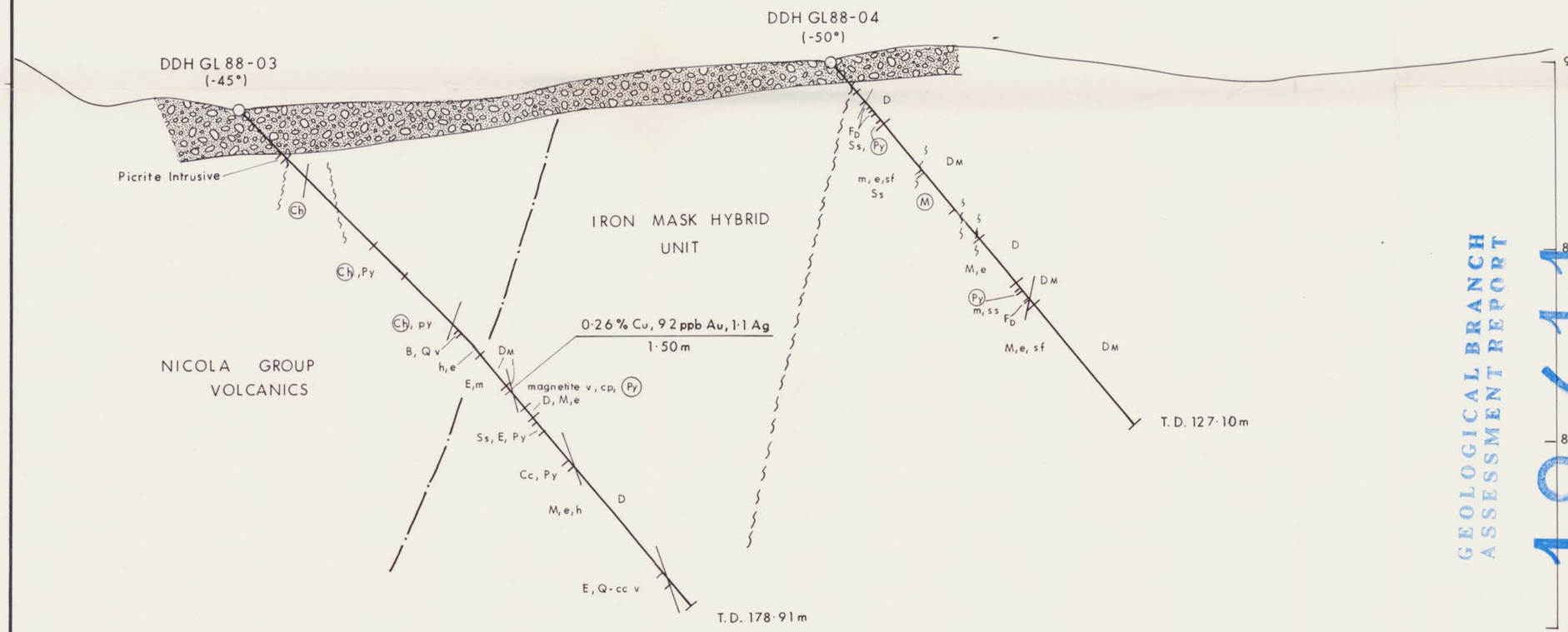
Apparent Resistivity

< 400 | > 800 | < 400

Chargeability

4+00S | 3+00S | 2+00S | 1+00S | 0+00

L.4+00W



LEGEND

LITHOLOGIES

D	Microdiorite
D_M	Diorite
M_Z	Monzonite
Sy	Syenite
D_B	Diorite Breccia
M_D	Mafic Dyke
F_D	Felsic Dyke

MINERALIZATION AND ALTERATION

py, Py, (Py)	pyrite; ≤1%, 1-5%, >5%
cp	chalcopyrite
m, M, (M)	magnetite; 5-10%, 10-20%, >20%
h, H, (H)	hematite; ≤1%, 1-5%, >5%
e, E, (E)	epidote; 5-10%, 10-20%, >20%
cc, Cc, (Cc)	calcite; weak, moderate, strong
q, Q, (Q)	quartz; weak, moderate, strong
ch, Ch, (Ch)	chlorite; weak, moderate, strong
sf, Sf, (Sf)	silicification; weak, moderate, strong
b, B, (B)	bleaching; weak, moderate, strong
ss, Ss, (Ss)	saussurite; weak, moderate, strong
f, F, (F)	feldspar; weak, moderate, strong
Z	zeolite
dol	dolomite
ank	ankerite
Fe	pervasive iron staining
v	vein
bx	breccia

SYMBOLS

- Fault
- Shear
- Rock fabric - foliation, fracturing
- Geological contact

I.P. Survey

- Chargeability anomaly
- >10 ms
- >15 ms
- >20 ms
- Apparent Resistivity Anomaly (m-ohm)
- VLF Fraser Filter Anomaly (>10)

9·79 Au, 0·2 Ag, 31 Cu / 0·61 m — grams/tonne gold, ppm Ag, ppm Cu / sample core length in metres — unless noted

metres A.S.L. — metres Above Sea Level

TD 137·10 m — Total Depth of Drillhole

0 10 20 30 40 50 60 70 80 90 100 metres

PLATE III TO ACCOMPANY REPORT NO. 6-88 BY A.D.M.

ABERMIN CORPORATION

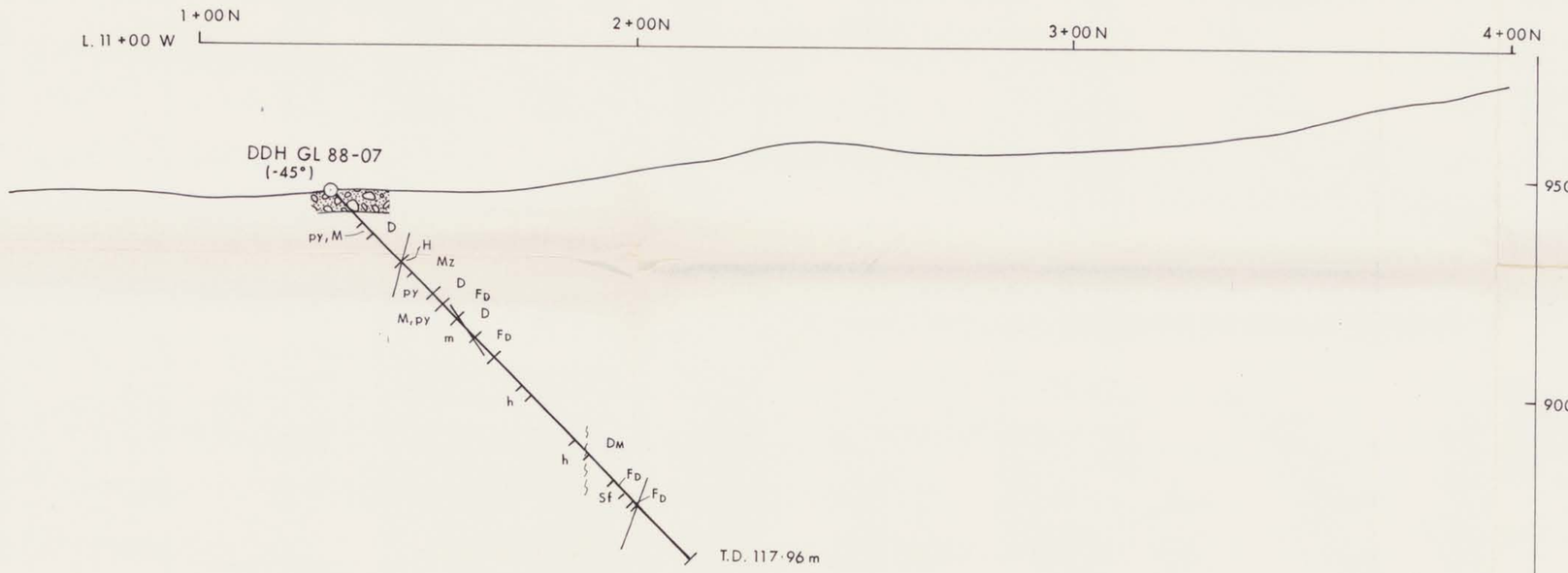
GALAXY PROJECT

CROSS SECTION

DDHS GL 88-03, 04

L. 4 + 00 W

DATE	SCALE	NTS	DRAWING NO.
DEC. 1988.	1:1000	921/9W	C-



IRON MASK HYBRID
UNIT

LEGEND

LITHOLOGIES

D	Microdiorite
DM	Diorite
MZ	Monzonite
Sy	Syenite
DB	Diorite Breccia
MD	Mafic Dyke
FD	Felsic Dyke

MINERALIZATION AND ALTERATION

py, Py, (Py)	pyrite; ≤1%, 1-5%, >5%
cp	chalcopyrite
m, M, (M)	magnetite; 5-10%, 10-20%, >20%
h, H, (H)	hematite; ≤1%, 1-5%, >5%
e, E, (E)	epidote; 5-10%, 10-20%, >20%
cc, Cc, (Cc)	calcite; weak, moderate, strong
q, Q, (Q)	quartz; weak, moderate, strong
ch, Ch, (Ch)	chlorite; weak, moderate, strong
sf, Sf, (Sf)	silicification; weak, moderate, strong
b, B, (B)	bleaching; weak, moderate, strong
ss, Ss, (Ss)	saussurite; weak, moderate, strong
f, F, (F)	feldspar; weak, moderate, strong
Z	zeolite
dol	dolomite
ank	ankerite
Fe	pervasive iron staining
v	vein
bx	breccia

SYMBOLS

- Fault
- Shear
- Rock fabric - foliation, fracturing
- Geological contact

I.P. Survey

- Chargeability anomaly
- >10 ms
- >15 ms
- >20 ms
- Apparent Resistivity Anomaly (m-ohm)
- VLF Fraser Filter Anomaly (>10)

9.79 Au, 0.2 Ag, 31 Cu / 0.61 m — grams/tonne gold, ppm Ag, ppm Cu / sample core length in metres — unless noted

metres A.S.L. — metres Above Sea Level

TD 137.10 m — Total Depth of Drillhole

0 10 20 30 40 50 60 70 80 90 100 metres

PLATE VI TO ACCOMPANY REPORT NO. 6-88 BY A.D.M.

ABERMIN CORPORATION

GALAXY PROJECT
CROSS SECTION
DDH GL 88-07
L. 11+00W

DATE	SCALE	NTS	DRAWING NO.
DEC. 1988.	1:1000	92I/9W	C-

VLF

Apparent Resistivity

>800

Chargeability

L.7+00 W — 2+00S — 1+00S — 0+00 — 1+00N

DDH GL88-06
(-50°)

IRON MASK HYBRID UNIT

T.D. 137.40m

metres A.S.L.

900

850

800

LEGEND

LITHOLOGIES

- D Microdiorite
- DM Diorite
- MZ Monzonite
- Sy Syenite
- DB Diorite Breccia
- MD Mafic Dyke
- FD Felsic Dyke

MINERALIZATION AND ALTERATION

- py, Py, (Py) pyrite; ≤1%, 1-5%, >5%
- cp chalcopyrite
- m, M, (M) magnetite; 5-10%, 10-20%, >20%
- h, H, (H) hematite; ≤1%, 1-5%, >5%
- e, E, (E) epidote; 5-10%, 10-20%, >20%
- cc, Cc, (Cc) calcite; weak, moderate, strong
- q, Q, (Q) quartz; weak, moderate, strong
- ch, Ch, (Ch) chlorite; weak, moderate, strong
- sf, Sf, (Sf) silicification; weak, moderate, strong
- b, B, (B) bleaching; weak, moderate, strong
- ss, Ss, (Ss) saussurite; weak, moderate, strong
- f, F, (F) feldspar; weak, moderate, strong
- Z zeolite
- dol dolomite
- ank ankerite
- Fe pervasive iron staining
- v vein
- bx breccia

SYMBOLS

- Fault
- Shear
- Rock fabric - foliation, fracturing
- Geological contact

I.P. Survey

- Chargeability anomaly
- >10 ms
- >15 ms
- >20 ms
- Apparent Resistivity Anomaly (m-ohm)
- VLF Fraser Filter Anomaly (>10)

9.79 Au, 0.2 Ag, 31 Cu / 0.61 m — grams/tonne gold, ppm Ag, ppm Cu / sample core length in metres — unless noted

metres A.S.L. — metres Above Sea Level

TD 137.10 m — Total Depth of Drillhole

0 10 20 30 40 50 60 70 80 90 100 metres

PLATE V TO ACCOMPANY REPORT NO. 6-88 BY A.D.M.

PROFESSIONAL GEOLOGIST ALBERTA BARRY W. SMEE

ABERMIN CORPORATION

GALAXY PROJECT
CROSS SECTION
DDH GL 88-06
L. 7 + 00 W

DATE	SCALE	NTS	DRAWING NO.
DEC. 1988.	1:1000	92I/9W	C-

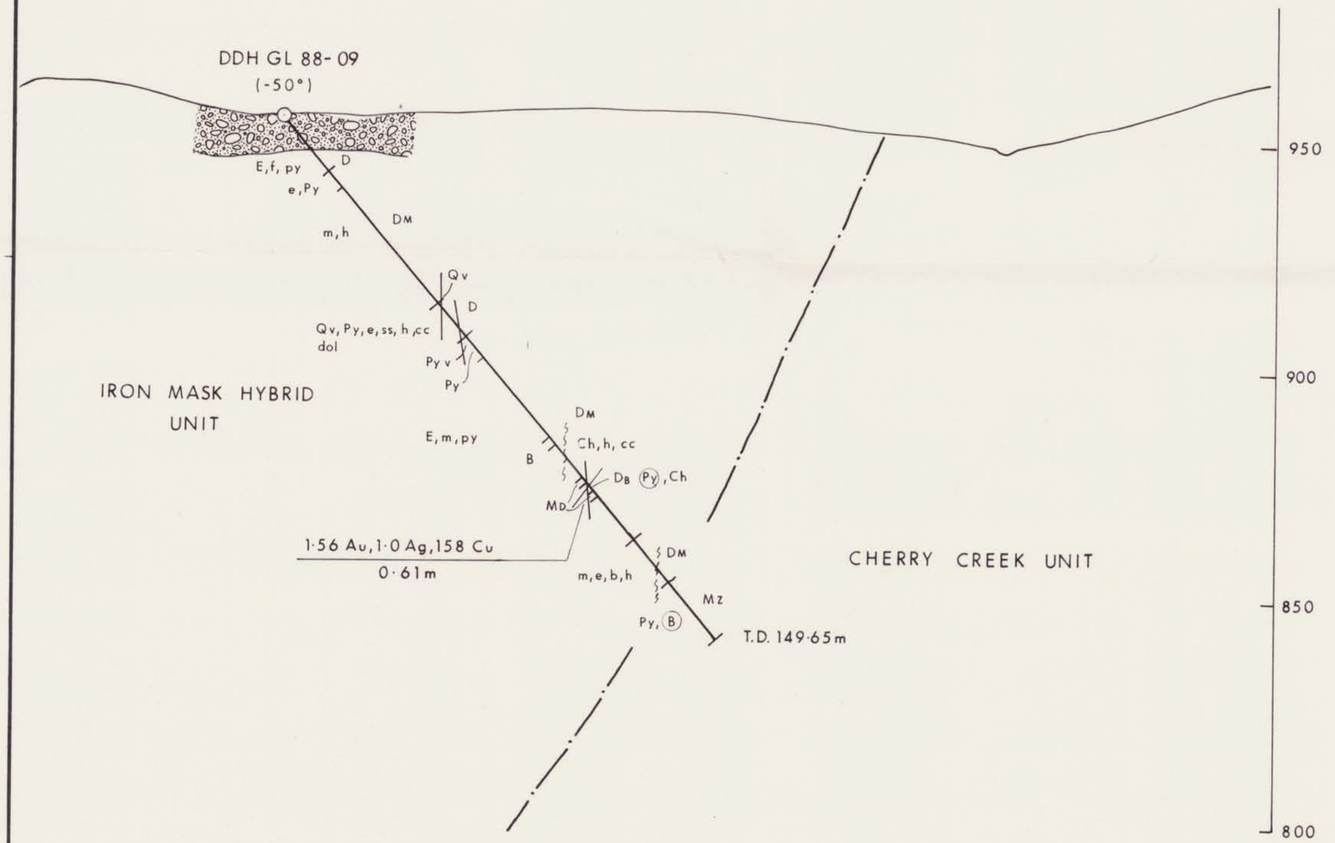
<300

<500

Apparent Resistivity

Chargeability

L.13+00 W 3+00N 4+00N 5+00N 6+00N



LEGEND

LITHOLOGIES

D	Microdiorite
D_M	Diorite
M_Z	Monzonite
Sy	Syenite
D_B	Diorite Breccia
M_D	Mafic Dyke
F_D	Felsic Dyke

MINERALIZATION AND ALTERATION

py, Py, (Py)	pyrite; ≤1%, 1-5%, >5%
cp	chalcopyrite
m, M, (M)	magnetite; 5-10%, 10-20%, >20%
h, H, (H)	hematite; ≤1%, 1-5%, >5%
e, E, (E)	epidote; 5-10%, 10-20%, >20%
cc, Cc, (Cc)	calcite; weak, moderate, strong
q, Q, (Q)	quartz; weak, moderate, strong
ch, Ch, (Ch)	chlorite; weak, moderate, strong
sf, Sf, (Sf)	silicification; weak, moderate, strong
b, B, (B)	bleaching; weak, moderate, strong
ss, Ss, (Ss)	saussurite; weak, moderate, strong
f, F, (F)	feldspar; weak, moderate, strong
Z	zeolite
dol	dolomite
ank	ankerite
Fe	pervasive iron staining
v	vein
bx	breccia

SYMBOLS

- Fault
- Shear
- Rock fabric - foliation, fracturing
- Geological contact

I.P. Survey

- Chargeability anomaly
- >10 ms
- >15 ms
- >20 ms
- Apparent Resistivity Anomaly (m-ohm)
- VLF Fraser Filter Anomaly (>10)

9·79 Au, 0·2 Ag, 31 Cu / 0·61 m — grams/tonne gold, ppm Ag, ppm Cu / sample core length in metres — unless noted

metres A.S.L. — metres Above Sea Level

TD 137·10 m — Total Depth of Drillhole

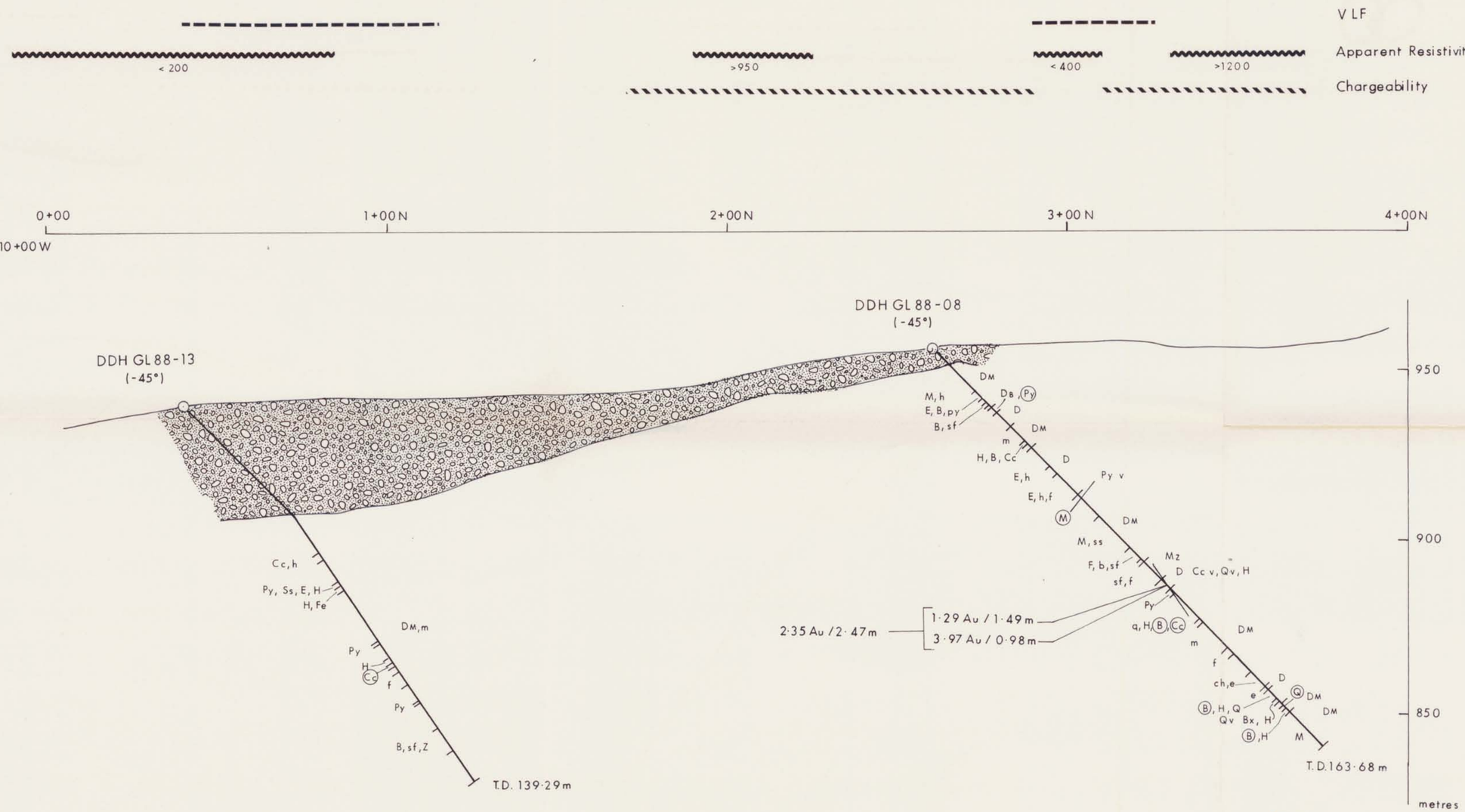
0 10 20 30 40 50 60 70 80 90 100 metres

PLATE VIII TO ACCOMPANY REPORT NO. 6-88 BY A.D.M.

ABERMIN CORPORATION

GALAXY PROJECT
CROSS SECTION
DDH GL 88-09
L.13+00 W

DATE	SCALE	NTS	DRAWING NO.
DEC. 1988.	1 : 1000	92I/9W	C-



IRON MASK HYBRID UNIT

LEGEND

LITHOLOGIES

D	Microdiorite
DM	Diorite
MZ	Monzonite
Sy	Syenite
DB	Diorite Breccia
MD	Mafic Dyke
FD	Felsic Dyke

MINERALIZATION AND ALTERATION

py, Py, (Py)	pyrite; ≤1%, 1-5%, >5%
cp	chalcopyrite
m, M, (M)	magnetite; 5-10%, 10-20%, >20%
h, H, (H)	hematite; ≤1%, 1-5%, >5%
e, E, (E)	epidote; 5-10%, 10-20%, >20%
cc, Cc, (Cc)	calcite; weak, moderate, strong
q, Q, (Q)	quartz; weak, moderate, strong
ch, Ch, (Ch)	chlorite; weak, moderate, strong
sf, Sf, (Sf)	silicification; weak, moderate, strong
b, B, (B)	bleaching; weak, moderate, strong
ss, Ss, (Ss)	saussurite; weak, moderate, strong
f, F, (F)	feldspar; weak, moderate, strong
Z	zeolite
dol	dolomite
ank	ankerite
Fe	pervasive iron staining
v	vein
bx	breccia

SYMBOLS

- Fault
- Shear
- Rock fabric - foliation, fracturing
- Geological contact

I.P. Survey

- Chargeability anomaly
- >10 ms
- >15 ms
- >20 ms
- Apparent Resistivity Anomaly (m-ohm)
- VLF Fraser Filter Anomaly (>10)

9·79 Au, 0·2 Ag, 31 Cu / 0·61 m — grams/tonne gold, ppm Ag, ppm Cu / sample core length in metres — unless noted

metres A.S.L. — metres Above Sea Level

TD 137·10 m — Total Depth of Drillhole

0 10 20 30 40 50 60 70 80 90 100 metres

PLATE VII TO ACCOMPANY REPORT NO. 6-88 BY A.D.M.

ABERMIN CORPORATION

GALAXY PROJECT

CROSS SECTION
DDHS GL 88-08, 13
L. 10 + 00 N

DATE	SCALE	NTS	DRAWING NO.
DEC. 1988.	1:1000	92I/9W	C-

VLF

Apparent Resistivity

< 300

Chargeability

L.12+00N

2+00N 3+00N 4+00N 5+00N

DDH GL 88-11 (9 metres grid East)
(-45°)

m,Ch,Fe — Fault zone — DM — M,e — D — Ss,m,e — DM — M — D — DB — Ss — Py — Py — Sy — Q,B,H,Cc — Py — Cc — DM — M,E — D — D — M,E,py — Mz — PY — E — DM — Q-Cc v, Py,H — e,m — T.D. 137·10 m

1·054 Au, 0·2 Ag, 24 Cu
1·98m

9·79 Au, 0·2 Ag, 31 Cu
0·61 m

950
900
850
800
metres
A.S.L.

IRON MASK HYBRID UNIT

LEGEND

LITHOLOGIES

D	Microdiorite
DM	Diorite
MZ	Monzonite
Sy	Syenite
DB	Diorite Breccia
MD	Mafic Dyke
FD	Felsic Dyke

MINERALIZATION AND ALTERATION

py, Py, (Py)	pyrite; ≤1%, 1-5%, >5%
cp	chalcopyrite
m, M, (M)	magnetite; 5-10%, 10-20%, >20%
h, H, (H)	hematite; ≤1%, 1-5%, >5%
e, E, (E)	epidote; 5-10%, 10-20%, >20%
cc, Cc, (Cc)	calcite; weak, moderate, strong
q, Q, (Q)	quartz; weak, moderate, strong
ch, Ch, (Ch)	chlorite; weak, moderate, strong
sf, Sf, (Sf)	silicification; weak, moderate, strong
b, B, (B)	bleaching; weak, moderate, strong
ss, Ss, (Ss)	saussurite; weak, moderate, strong
f, F, (F)	feldspar; weak, moderate, strong
Z	zeolite
dol	dolomite
ank	ankerite
Fe	pervasive iron staining
v	vein
bx	breccia

SYMBOLS

- Fault
- Shear
- Rock fabric - foliation, fracturing
- Geological contact

I.P. Survey

- Chargeability anomaly
- >10 ms
- >15 ms
- >20 ms
- Apparent Resistivity Anomaly (m-ohm)
- VLF Fraser Filter Anomaly (>10)

9·79 Au, 0·2 Ag, 31 Cu / 0·61 m — grams/tonne gold, ppm Ag, ppm Cu / sample core length in metres — unless noted

metres A.S.L. — metres Above Sea Level

TD 137·10 m — Total Depth of Drillhole

0 10 20 30 40 50 60 70 80 90 100 metres

PLATE X TO ACCOMPANY REPORT NO. 6-88 BY A.D.M.

PROFESSIONAL GEOLOGIST ALBERTA
BARRY W. SMEE

ABERMIN CORPORATION

GALAXY PROJECT
CROSS SECTION
DDH GL 88-11
L.12 + 00 W

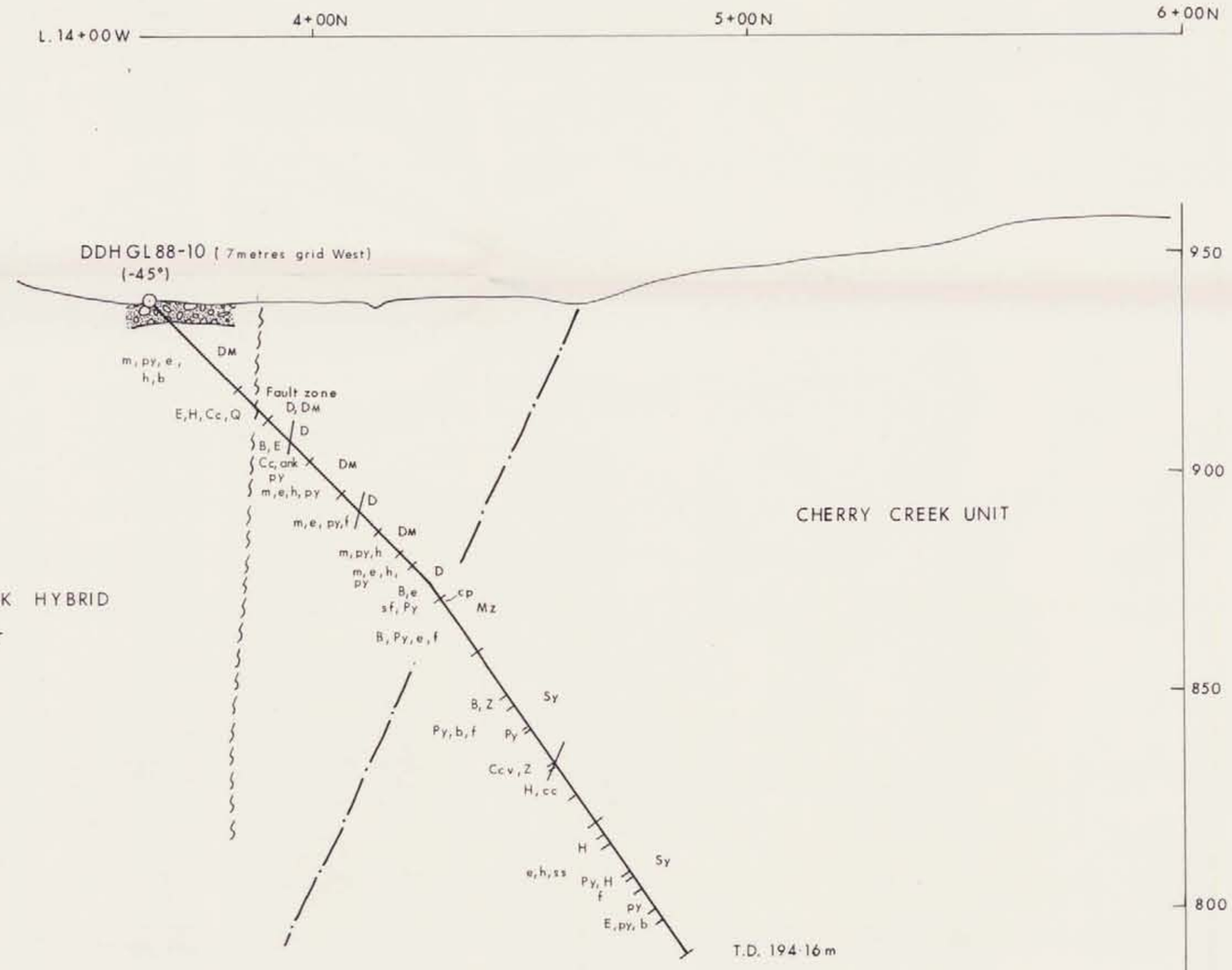
DATE	SCALE	NTS	DRAWING NO.
DEC. 1988.	1:1000	92I/9W	C-

VLF

Apparent Resistivity

Chargeability

< 400



LEGEND

LITHOLOGIES

D	Microdiorite
DM	Diorite
MZ	Monzonite
Sy	Syenite
DB	Diorite Breccia
MD	Mafic Dyke
FD	Felsic Dyke

MINERALIZATION AND ALTERATION

py, Py, (Py)	pyrite; ≤1%, 1-5%, >5%
cp	chalcopyrite
m, M, (M)	magnetite; 5-10%, 10-20%, >20%
h, H, (H)	hematite; ≤1%, 1-5%, >5%
e, E, (E)	epidote, 5-10%, 10-20%, >20%
cc, Cc, (Cc)	calcite; weak, moderate, strong
q, Q, (Q)	quartz; weak, moderate, strong
ch, Ch, (Ch)	chlorite; weak, moderate, strong
sf, Sf, (Sf)	silicification; weak, moderate, strong
b, B, (B)	bleaching; weak, moderate, strong
ss, Ss, (Ss)	saussurite; weak, moderate, strong
f, F, (F)	feldspar; weak, moderate, strong
Z	zeolite
dol	dolomite
ank	ankerite
Fe	pervasive iron staining
v	vein
bx	breccia

SYMBOLS

- Fault
- Shear
- Rock fabric - foliation, fracturing
- Geological contact

I.P. Survey

- Chargeability anomaly
- >10 ms
- >15 ms
- >20 ms
- Apparent Resistivity Anomaly (m-ohm)
- VLF Fraser Filter Anomaly (>10)

9·79 Au, 0·2 Ag, 31 Cu / 0·61 m — grams/tonne gold, ppm Ag, ppm Cu / sample core length in metres — unless noted

metres A.S.L. — metres Above Sea Level

TD 137·10 m — Total Depth of Drillhole

0 10 20 30 40 50 60 70 80 90 100 metres

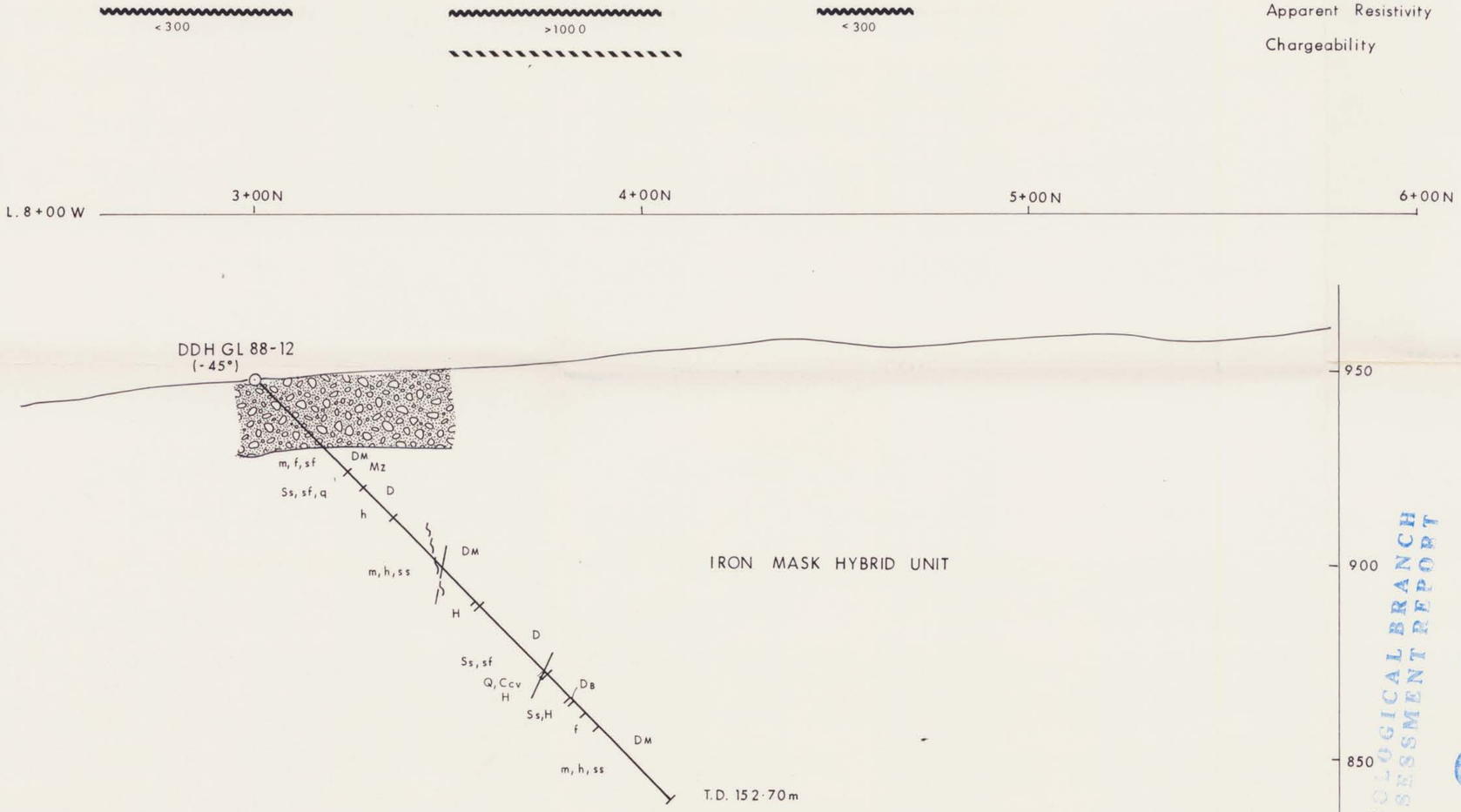
PLATE IX TO ACCOMPANY REPORT NO. 6-88 BY A.D.M.

ABERMIN CORPORATION

GALAXY PROJECT

CROSS SECTION
DDH GL 88-10
L. 14+00N

DATE	SCALE	NTS	DRAWING NO.
DEC. 1988.	1:1000	92I/9W	C-



LEGEND

LITHOLOGIES

D	Microdiorite
D_M	Diorite
M_Z	Monzonite
Sy	Syenite
D_B	Diorite Breccia
M_D	Mafic Dyke
F_D	Felsic Dyke

MINERALIZATION AND ALTERATION

py, Py, (Py)	pyrite; ≤1%, 1-5%, >5%
cp	chalcopyrite
m, M, (M)	magnetite; 5-10%, 10-20%, >20%
h, H, (H)	hematite; ≤1%, 1-5%, >5%
e, E, (E)	epidote; 5-10%, 10-20%, >20%
cc, Cc, (Cc)	calcite; weak, moderate, strong
q, Q, (Q)	quartz; weak, moderate, strong
ch, Ch, (Ch)	chlorite; weak, moderate, strong
sf, Sf, (Sf)	silicification; weak, moderate, strong
b, B, (B)	bleaching; weak, moderate, strong
ss, Ss, (Ss)	saussurite; weak, moderate, strong
f, F, (F)	feldspar; weak, moderate, strong
Z	zeolite
dol	dolomite
ank	ankerite
Fe	pervasive iron staining
v	vein
bx	breccia

SYMBOLS

- Fault
- Shear
- Rock fabric - foliation, fracturing
- Geological contact

I.P. Survey

- Chargeability anomaly
- >10 ms
- >15 ms
- >20 ms
- Apparent Resistivity Anomaly (m-ohm)
- VLF Fraser Filter Anomaly (>10)

9.79 Au, 0.2 Ag, 31 Cu / 0-61 m — grams/tonne gold, ppm Ag, ppm Cu / sample core length in metres — unless noted

metres A.S.L. — metres Above Sea Level

TD 137.10 m — Total Depth of Drillhole

0 10 20 30 40 50 60 70 80 90 100 metres

PLATE XI TO ACCOMPANY REPORT NO. 6-88 BY A.D.M.

ABERMIN CORPORATION

GALAXY PROJECT
CROSS SECTION
DDH GL 88-12
L. 8 + 00 W

DATE	SCALE	NTS	DRAWING NO.
DEC. 1988.	1:1000	92I/9W	C-