



**Geological Survey Branch
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[ARIS11A]

ARIS Summary Report

Regional Geologist, Prince George			Date Approved:	1998.07.02	Off Confidential:	1999.04.03	
<u>ASSESSMENT REPORT: 25508</u>			Mining Division(s):		Omineca		
Property Name:	Indata						
Location:	NAD 27	Latitude:	55 23 00	Longitude:	125 19 00	UTM:	10 6139677 353231
	NAD 83	Latitude:	55 23 00	Longitude:	125 19 06	UTM:	10 6139896 353131
		NTS:	093N06W				
Camp:							
Claim(s):	Schnapps 3-4						
Operator(s):	Eastfield Resources Ltd.						
Author(s):	Yorston, Robert						
Report Year:	1998						
No. of Pages:	40 Pages						
Commodities Searched For:							
General Work Categories:	DRIL, GEOC						
Work Done:	Drilling DiAD Diamond surface (10 hole(s);NQ!!) (955.1 m)						
	Geochemical SAMP Sampling/assaying (143 sample(s);) Elements Analyzed For : Multielement						
Keywords:	Andesites, Cache Creek Group, Crystal tuffs, Pillow breccias, Serpentinites, Takla Group, Triassic-Jurassic						
Statement Nos.:	3117348						
MINFILE Nos.:	093N 192						
Related Reports:	21397						

Sub Recorder
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VICTORIA, B.C.

ASSESSMENT REPORT
DIAMOND DRILLING

on the
INDATA PROPERTY

OMINECA MINING DIVISION

Latitude $55^{\circ} 23'$ N

Longitude $125^{\circ} 19'$ W

NTS 93N6W

by

GUINET MANAGEMENT
for

CLEAR CREEK RESOURCES LTD.
Vancouver, B.C.

Prepared by
R. Yorston, Geologist

April 1998

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,508

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SUMMARY

The 1998 diamond drilling program was initiated to test geophysical and geochemical anomalies and to attempt to expand the porphyry copper mineralization encountered in the 1996 drilling.

The core size was NQ II and the total meterage including casing was 955.1 metres drilled in 10 holes.

Drillholes 98-2a, 98-4 and 98-9 contained significant copper mineralization mainly occurring as disseminated, blebular and veined chalcopyrite with very minor accessory bornite.

Drillhole 98-4 returned a weighted average from 12.2m to 160.4m or 148.2m of .20% Cu (including from 12.2m to 46.6m or 34.4m of .26% Cu and from 133.3m to 157.4m or 24.1m of .37% Cu).

Drillhole 98-9 returned a weighted average from 19.2m to 85.5m or 58.3m of .18% Cu.

INTRODUCTION

The drilling was supervised by personnel of Guinet Management of Vancouver, B.C. and the program was completed during the period of February 25 to March 18, 1998.

Accommodation was provided by the Tchentlo Lake Lodge some 25 kilometres from the property.

General information for this report was obtained from the technical reports listed in the bibliography.

LOCATION AND ACCESS

The Indata-Schnapps claims are located approximately 130 kilometres northwest of Fort St. James. Access to the claim group is via the Leo Creek forest access road to the Driftwood Road and then to the Tchentlo "T Road". The Indata Road forks to the west at km 6 on the "T Road", just past the Brule Creek bridge. Driving time from Fort St. James to the Property is approximately 2 hours.

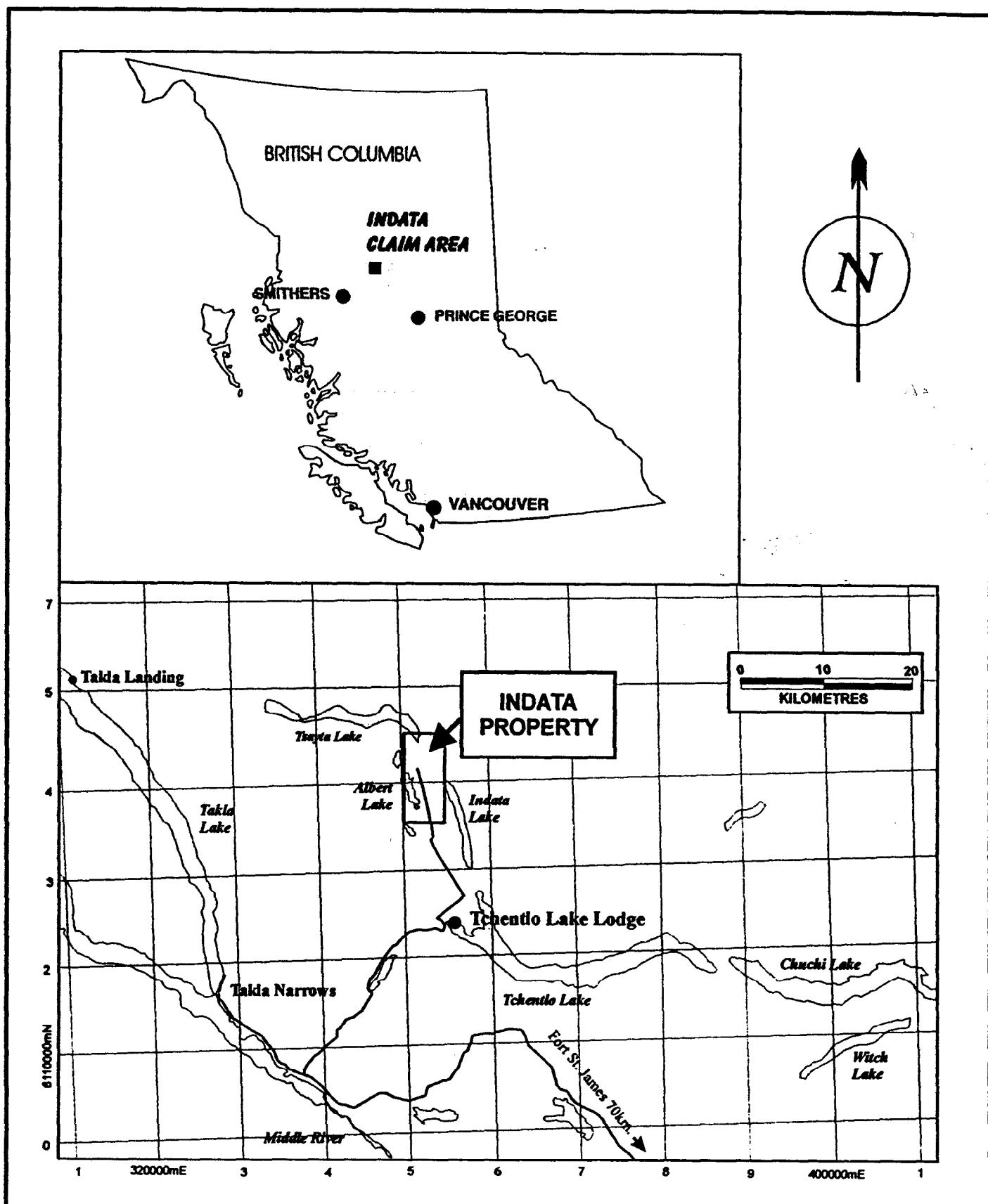


Figure 1. Location of the Indata property.

after Bailey 1996

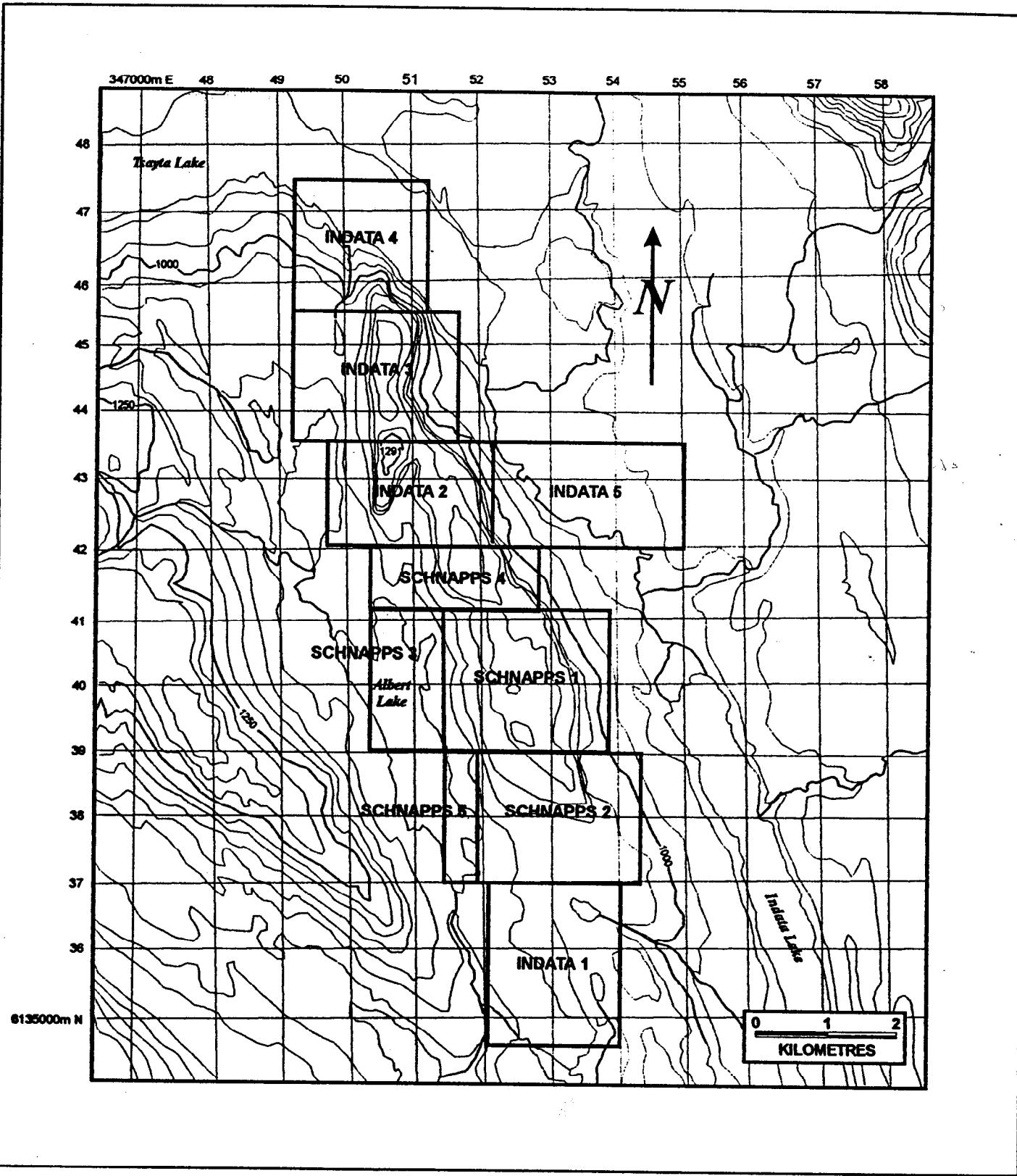


Figure 2. Indata property: claims disposition and topography. Contour interval 50 metres.

after Bailey 1996

TOPOGRAPHY AND VEGETATION

The Indata-Schnapps claims occupy an undulating forested landscape with elevations varying from 875 to 1280 metres (2,850 to 4,200 feet). Vegetation consists of mature stands of pine, spruce and balsam.

CLAIMS AND OWNERSHIP

The property is owned by Eastfield Resources Ltd. and a table showing the claim status is given below.

CLAIM NAME	NO. OF UNITS	RECORD NO.	EXPIRY DATE
Indata 1	20	239378	February 3, 2000
Indata 2	15	239379	February 3, 2000
Indata 3	20	240192	October 22, 1997
Indata 4	16	240193	October 25, 1997
Indata 5	6	241741	April 4, 2002
Schnapps 1	20	238722	November 14, 1998
Schnapps 2	20	238723	November 14, 2000
Schnapps 3	8	238859	August 20, 2003
Schnapps 4	10	238860	August 20, 2003
Schnapps 5	4	238893	September 13, 1998

PREVIOUS WORK

Exploration of the property began only in 1984 by Imperial Metals Corporation after staking part of the area during regional exploration of the Pinchi Fault zone. Following initial soil sampling and the staking of additional claims, a four hole diamond drilling programme was completed by Imperial to explore at depth copper mineralization seen in outcrop near the northeast side of Albert Lake. This programme resulted in the discovery of low grade chalcopyrite-pyrite mineralization (about 0.1% copper) to depths of less than 100 metres from the surface. In 1986 Eastfield Resources Ltd. entered into a joint venture with

Imperial and undertook a programme of grid establishment, soil sampling and hand trenching and geophysical surveying, followed by diamond drilling in 1987, 1988 and 1989 and trenching with a bulldozer-mounted backhoe. The drilling programmes resulted in the discovery of polymetallic quartz and quartz-carbonate veins with elevated precious metal values (up to over 1.5 oz. over an intersection of four metres but commonly between several hundred to a few thousand parts per billion gold), generally striking to the north and controlled by a fault dipping shallowly to the east. These polymetallic veins are commonly enveloped by a zone of silicification in volcanic rocks and a thickening-downwards zone of talc-magnesite alteration in ultramafic rocks.

In 1995, after construction of a road through the southern part of the Indata property, built to Ministry of Forestry standards for log haulage, a small trenching programme was completed adjacent to the northeastern part of Albert Lake, over the copper zone defined by soil sampling. Sampling of one of these trenches (Trench 7) returned analyses which averaged 0.36% copper over a length of 75 metres.

In 1996 Clear Creek Resources Limited carried out a small diamond drilling programme in the area of anomalous copper in soils adjacent to the northeastern part of Albert Lake. Results of this programme confirmed the existence of subsurface copper mineralization indicated by the results of Imperial Metal's previous (1985) drilling.

REGIONAL GEOLOGY

The geology of the region in which the Indata property occurs is that of two major terranes, the Mesozoic Quesnel Terrane to the east, largely underlain by mafic and intermediate volcanic

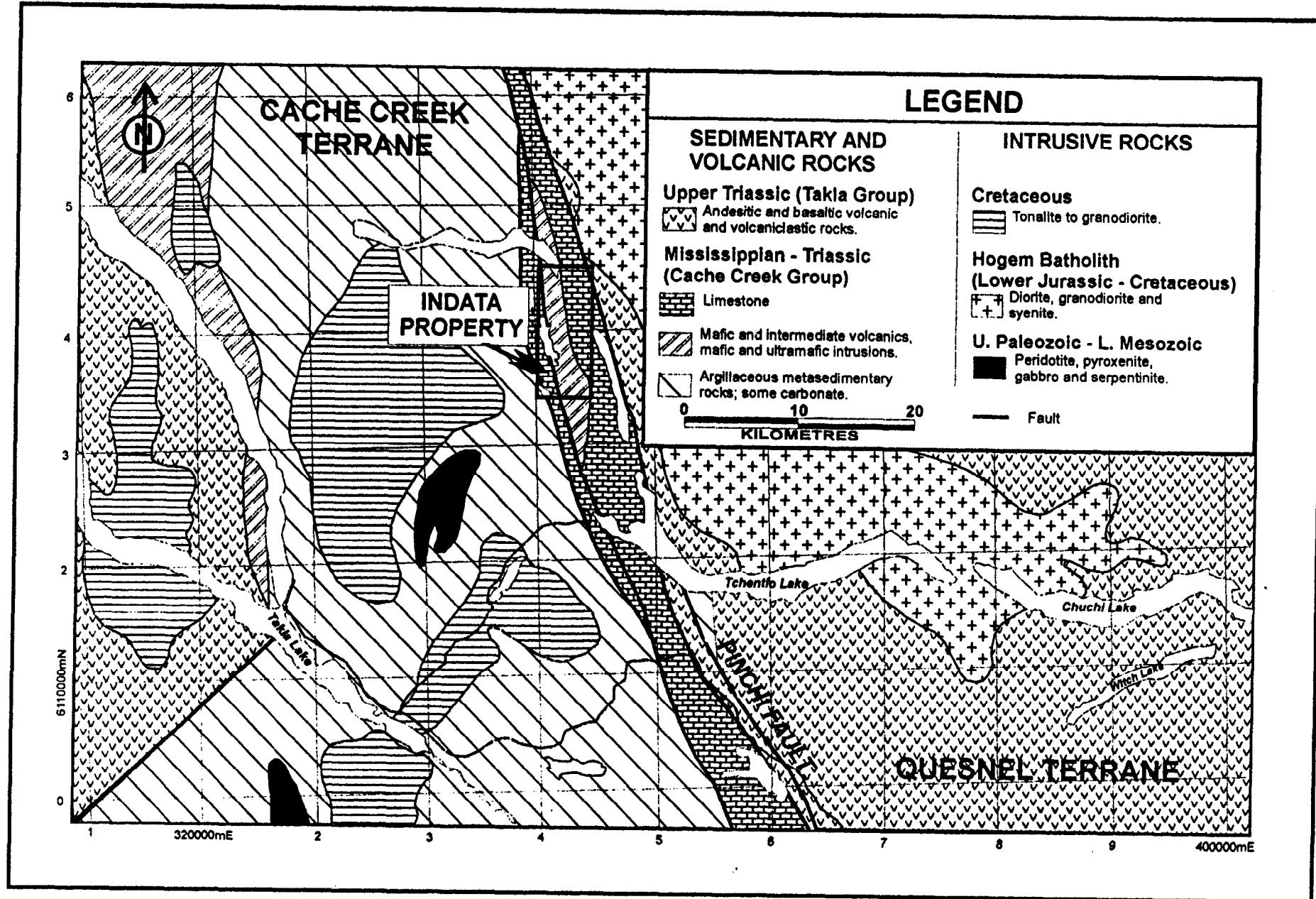


Figure 3. Generalized geological setting of the Indata property.

after Bailey 1996

rocks into which mafic to felsic intrusions of Lower Jurassic to Cretaceous age have been emplaced, and the Cache Creek Terrane to the west. The Cache Creek Terrane consists largely of argillaceous metasedimentary rocks, limestone and some mafic to intermediate volcanic strata and chert. Intrusive rocks within this terrane comprise ultramafic-mafic complexes (of which some may be ophiolitic) and intermediate plutons of the Trembleur Intrusive Suite. The contact of the two terranes is marked by a high angle, northwesterly-striking fault, the Pinchi Fault.

LOCAL GEOLOGY

The geology of the Indata property is thought to be that of the Cache Creek Terrane and consists of limestone with minor interbedded argillaceous strata, and andesitic volcanic rocks of probable tholeiitic affinity. These later rocks record a greenschist facies mineral assemblage of regional metamorphism. Much of the Indata property area is covered by glacial and fluvioglacial deposits of Quaternary age. Contacts between carbonate and volcanic rocks are thought to be faults, interpreted as splays of the Pinchi Fault, although nowhere have these contacts been observed because of Quaternary cover. Geological mapping and data from diamond drilling indicated that numerous westerly-striking normal faults cut the property.

Known mineralization of the Indata property consists of arsenopyrite-pyrite-stibnite-chalcopyrite-bearing quartz and quartz-carbonate veins which, adjacent to mafic-ultramafic contacts contain anomalous to high grade quantities of gold and silver, and disseminated and fractured-controlled chalcopyrite-pyrite mineralization possibly related to a "porphyry-type" magmatic-hydrothermal system. At this time the property hosts no ore reserves or an economic mineral deposit although by no means has there been sufficient exploration of the property to define any possible ore deposit within the property boundaries.

DRILLING PROGRAM AND DISCUSSION

The diamond drilling was contracted to J.T. Thomas of Smithers, B.C. A total of 955.1 metres of casing and NQ II core was drilled in 10 holes. No dip tests were taken.

The core sections for sampling were split and the samples were shipped to Acme Laboratories of Vancouver, B.C.

All core boxes were stacked and remain on the property.

The samples were treated at Acme using the 30 element ICP plus geochem gold analysis. Some drillholes were considered to have insufficient potential and laboratory analysis was done on only short intervals of these holes.

Drilling progress could be very slow due to the fractured and siliceous bedrock but with the exception of some faulted zones the core recovery was very good.

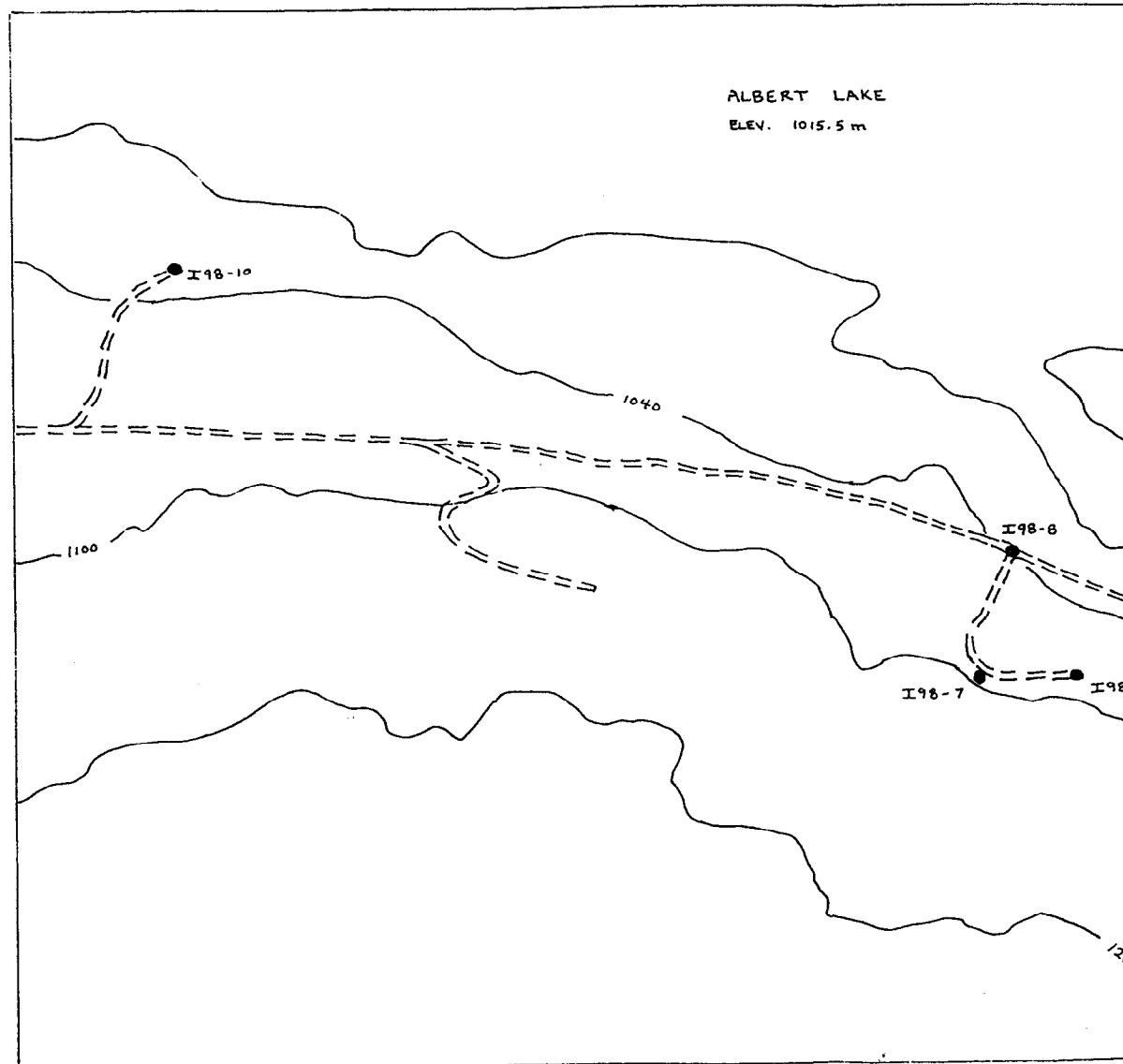
Drillholes 98-2 and 98-2a were particularly difficult since they were started on very siliceous faulted pieces of bedrock interpreted to be a hypabyssal intrusive.

In the drill logs this rock was termed granodiorite because it occasionally shows chloritized mafic grains. Often it is very fine grained siliceous and felsic or monzonitic looking and a petrographic analysis is needed for an accurate description. The same rock was termed monzonite in the 1996 drilling.

Silicification and copper mineralization are often associated with this intrusive. Contacts with andesite are usually obscured by intense silicification and hydrothermal alteration of both rock types.

Drillhole 98-9 was also collared in granodiorite and the intercept of granodiorite continues to 70 metres downhole. The rock is variably mineralized throughout and chalcopyrite continues for about 15 metres into the underlying andesite.

The granodiorite occurs irregularly in many holes and more drilling is required to try to define its configuration.



Drillhole 98-4 returned the longest and most consistent interval of mineralization to date and it is noteworthy that the mineralization persists to the bottom of the hole. Sample 83 from this hole also returned the highest Mo and Ag values at 360 ppm and 24.9 ppm respectively. The host rock is mainly andesite with 20 metres of granodiorite near the top of the hole.

Holes drilled to test I.P. chargeability anomalies were found to contain mainly disseminated pyrite, pyrrhotite and trace chalcopyrite.

Almost all holes including hole 98-10, some 2.4 kilometres south of hole 98-4, contain minor to trace amounts of chalcopyrite.

Drillhole 98-10 was drilled into a strong magnetic anomaly which was found to be caused by abundant disseminated magnetite.

Alteration beyond propylitic was usually intermittent and was present in most holes. Silicification and quartz veining could occur without sulfide mineralization in some holes and zones of clay alteration to strong bleaching and argillic alteration often contained diminished sulfides. An exception to this is sample 126 of hole 98-9 which contained a 25 cm section of semi-massive arsenopyrite and 160 ppb Au within a 5.5m wide argillic altered zone.

Often associated with the hydrothermal alteration were intermittent zones of spotted bleaching and zones of microcrystalline quartz and fine biotite or sericite causing brownish hues imparting a hornfelsed appearance.

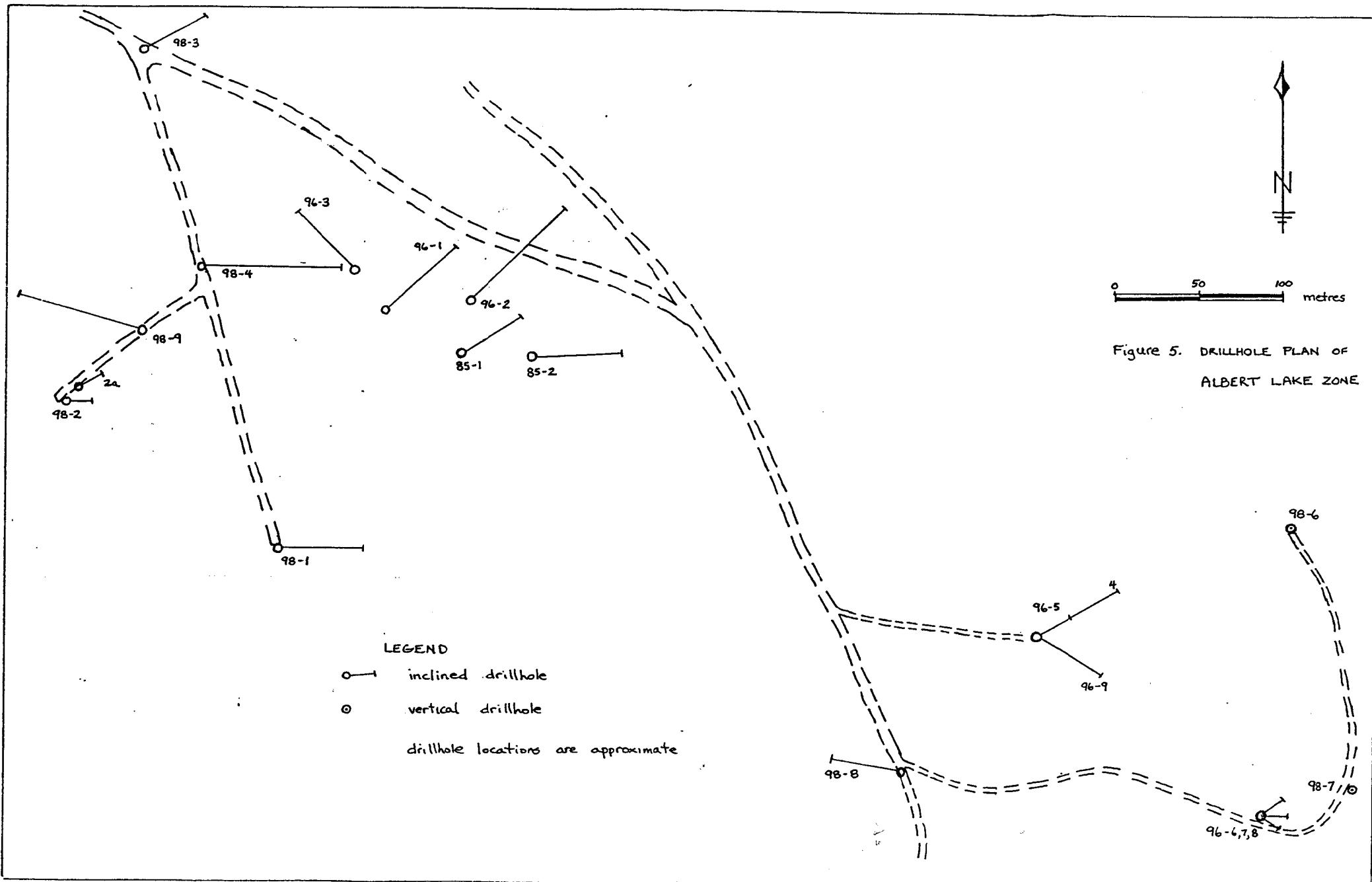
Below the mineralized zone in hole 98-9 were some blotches to 2 or 3cm of fine grained siliceous pinkish material interpreted to be potassic feldspar.

Significant factors related to the copper mineralization are:

a) microcrystalline quartz flooding or extreme silicification usually accompanied by quartz or quartz carbonate stringers and veinlets.

b) minor intrusions, usually felsic but also including diorite dykes.

c) magnetite may be an important accessory mineral within a common assemblage of py-cpy-quartz-magnetite.



CONCLUSIONS AND RECOMMENDATIONS

The 1998 drilling program was successful in testing various anomalies. Drillholes 98-2a, 98-4 and 98-9 extend the copper mineralized zone encountered in the 1996 drilling program and enhance the exploration potential in the westward direction.

Recommendations for further work in preparation for more drilling include:

- 1) establish a new grid covering the area of drillholes 96-1, 2 and 3 and 98-2a, 4 and 9 and tie the holes to the topography.
- 2) do a detailed ground magnetometer survey over the known mineralized zone and apply the magnetic signature to try to define the limits of the mineralization. Magnetometer lines to the west should delineate the volcanic-limestone boundary. At the vicinity of the boundary an EM survey would provide a more detailed target for drilling in the event of suspected skarn type mineralization.
- Gridlines should extend to the eastward well beyond the 1996 drillholes 1, 2 and 3 since this area has not been drill tested.
- An IP survey west of the 1996 drillholes should also be considered.
- 3) Sampling a soil profile and re-doing some soil sample lines would be useful. Glacial ice movements should be known.
- 4) A track mounted reverse circulation drill may be more efficient in testing future anomalies, and for tracing the mineralized zone westward.

BIBLIOGRAPHY

- Morton, J.W. 1996: Geochemical Till Sampling and Trenching Program on the Indata Property.
- Bailey, D.G. 1996: The Indata Property.

APPENDIX I

CERTIFICATE

R. YORSTON of DUNCAN, B.C. CERTIFIES THAT:

- 1) I am a graduate of the University of British Columbia; BSc in 1972.
- 2) I have practiced my profession as a geologist since 1972.
- 3) I have no interest, direct or indirect in the Indata Program.
- 4) I have personally conducted the work program discussed in this report in association with personnel of Guinet Management.

A handwritten signature in black ink, appearing to read "R. Yorston". The signature is written in cursive and is slightly slanted to the right.

R. YORSTON
Stoltz Road
Duncan, B.C.
V9L 6H7

April 1998

APPENDIX II
STATEMENT OF EXPENDITURES

Personnel:

R. Yorston, Geologist	26 days@ 250/day	6500.00
V. Guinet, Supervision	28 days@ 250/day	7000.00
P. Newman, Prospector	2 days@ 200/day	400.00
J.W. Morton, Geologist	10 days@ 425/day	4250.00
F. Larocque, Fieldman	5 days@ 235/day	1175.00
J. Green, Road Lay Out	5 days@ 250/day	1250.00
		<u>\$20575.00</u>

Disbursements:

Assay	3194.43
Drilling Contractor	85405.24
Snow Plowing (Hat Lake Log)	6263.25
Radio Rental	102.00
Road Construction (K&D Log)	37780.00
Accommodation & Meals	10687.46
Fuel	2264.76
Air Travel	650.14
Materials & Supplies	1453.89
Communications	234.25
Reproduction, Report	<u>1095.51</u>
	<u>\$128555.93</u>

Rentals:

4X4 Trucks	52 days @ 75/day	\$3900.00
Skidoo	13 days @ 50/day	650.00
ATV	6 days @ 50/day	<u>300.00</u>
		<u>\$4850.00</u>

	Sub Total	\$174555.93
	GST	1779.75
	Total	<u>\$176335.68</u>

APPENDIX III

DRILL LOGS

MINCORD
Exploration
Consultants
Ltd.

DRILL
HOLE
RECORD

RECOV. %	DESCRIPTION	MINERALIZATION	GRAPHIC LOG	SAMPLES			ASSAYS			
				No.	From:	To	Length	Cu ppm	Au ppb	
				1	13.7	18.0	4.3	236	2	
				2	18.0	19.2	1.2	1713	3	
1	casing			3	19.2	22.2	3.0	1372	9	
1	90 ANDESITE	Fine grained, light green Prophytic altered and with sections of mottled looking clay alteration. Randomly streaked with quartz-calcite fracture fillings. Locally very weakly magnetic. ① 15.2 m is a 1cm. qtz-calc veinlet 60° to C.A. 2% py, po ② 16.4 m is 20 cm of strong argillite alteration 1% py, po	Overall <1% disseminated and fracture filled py and po		4	22.2	25.2	3.0	344	-1
1	100 ANDESITE or DIORITE DYKE.	Medium grained. Some biotite and minor epidote. More magnetic than andesite above. Contact broken or irregular but some qtz-calc-epidote floating near contact is about 60° to C.A.	1-2% sulfides py = po, trace cpy		5	25.2	28.2	3.0	313	3
1	95 ANDESITE	Generally fine grained, less altered but very blocky core. Increased magnetite. Less quartz-calc. filled fractures. ① 25.3 m is a 4cm. epidote zone 60° to C.A. Cpy to 1% from 25.1 - 25.2	1% sulfides py = po trace cpy		6	28.2	31.2	3.0	418	7
1	95 ANDESITE	Increase in silicification, epidote and calcite. ① 32.9 is 10cm of breccia with qtz-epidote-calc 2% sulfides, very minor cpy. ② 33.5 is a 1cm section of increased disseminated cpy and magnetite. ③ 34.0 is a 2cm qtz-calc zone 45° to C.A.	1-2% sulfides. Local cpy to 1/3 of total		7	31.2	34.2	3.0	1248	17
1	80 ANDESITE	Very broken core. Some fault zones. Minor epidote. Weakly magnetic 6' lost core	1% sulfides Py, Po, ± cpy		8	34.2	37.2	3.0	650	14
1	100 ANDESITE	Fine grained, prophytic altered with sections of strong clay alteration. Trace cpy mainly associated with minor qtz-calc stringers. Weakly magnetic. ① 45.4 is 10cm clay altered zone with ± cpy in quartz stringers from 47.8 - 49.3 is some microcrystalline grey quartz containing magnetite and minor cpy	Generally about 1% sulfides. Locally up to 2% Py - po - cpy		9	37.2	40.2	3.0	246	49
1				10	40.2	44.8	4.6	499	8	
1				11	44.8	47.8	3.0	469	5	
1				12	47.8	50.8	3.0	740	8	
1				13	50.8	54.8	4.0	675	25	
1				14	54.8	58.2	3.4	1540	38	
1				15	58.2	61.2	3.0	310	13	
1				16	61.2	64.2	3.0	363	13	
1				17	64.2	67.2	3.0	300	5	
1				18	67.2	70.2	3.0	90	1	
1				19	70.2	74.0	3.8	314	14	
1				20	74.0	77.0	3.0	168	8	
1				21	77.0	80.5	3.5	22	1	
1				22	80.5	83.5	3.0	45	-1	
1				23	83.5	86.0	2.5	144	6	
1				24	86.0	89.0	3.0	46	1	



**DRILL
HOLE
RECORD**



**DRILL
HOLE
RECORD**

DRILL HOLE RECORD		Inclination	Bearing	PROPERTY	INDATA	Length	27.7	Hole No.	I 98-2	
		Collar	-60°	090°	Location	Hor. Comp.	Vert. Comp.	Sheet	1 of 1	
				Elevation		Bearing		Logged by	RY	
				Coordinates	3+00N 6+25.W	Began Feb 28/98 Completed Mar 1/98	Core Size NQ II Recovery %	Sampled by		
FOOTAGE	RECOV.	DESCRIPTION			MINERALIZATION		GRAPHIC LOG	SAMPLES		ASSAYS
0	19.8	Casing. Cased originally to 15.2 but later deepened to 19.8.								
19.8	27.7	75% GRANODIORITE, DIORITE. Extremely broken ground. Rock varies from grey very fine grained quartz rich or silicified granodiorite to diorite containing very fine biotite and chlorite to much lesser medium grained hornblende-chlorite-diorite with light grey quartz eyes. Weakly magnetic. Beyond 25.6 is all ground up pieces looking more like andesite.			<1% to 1% PY, PO, ± cpy					
		Abandoned hole								



**DRILL
HOLE
RECORD**

DRILL HOLE RECORD			Inclination	Bearing	PROPERTY IN DATA	Length	42.4 m	Hole No.	I 98-2A
FOOTAGE	RECOV.	DESCRIPTION			Location	Hor. Comp.	Vert. Comp.	Sheet	1 of 1
					Elevation			Logged by	R.Y
					Coordinates	3+00W	6+13W	Began Mar. 1 / 98 Completed Mar. 2 / 98	Sampled by V.G
								Core Size NQ T	Recovery %
0	15.8	Casing							
15.8	27.4	GRANODIORITE - MONZONITE? Light grey very fine grained. Probably silicified with microcrystalline quartz. Some chlorite and occasional epidote blatches. Possibly some fine biotite. Weakly magnetic. Extremely broken core. Rubble.			≤ 1% total sulfides				
27.4	33.5	70%	As above. Increase in sulfides. Magnetite is associated with sulfides. Silicification is stronger. Continued broken core pieces. Moderately magnetic.		Same 1 metre sections have 2-3% sulfides of which nearly one half is py. Py is often associated with Po grains.				
33.5	38.4	85	As above Decreased to about 1% sulfides. Weakly magnetic.		≤ 1% sulfides				
38.4	39.4	90	ANDESITE Greenish, chloritized, very weakly magnetic.		≤ 1% sulfides				
39.4	42.4	95	GRANODIORITE Grey fine grained moderately silicified grading to more chloritized downhole. Weakly magnetic.		≤ 1% sulfides				
			Abandoned hole						



**DRILL
HOLE
RECORD**

			Inclination	Bearing	PROPERTY IN DATA		Length	80.5 m	Hole No.	I 98-3		
Collar	-60°	060°	Location		Hor. Comp.	Vert. Comp.			Sheet	1 of 2		
			Elevation	Bearing						Logged by		
			Coordinates	5+00 N	5+75 W	Began	Mar 2 /98	Completed	Mar 3 /98	Sampled by		
			Core Size		Recovery %					V.G		
FOOTAGE	RECOV.	DESCRIPTION			MINERALIZATION		GRAPHIC LOG	SAMPLES	ASSAYS			
0	12.2	Casing							Cu ppm	Au ppm		
12.2	15.5	100	GRANODIORITE - MONZONITE? Fine grained light grey Fine biotite. Some carbonate inclusions? Moderately silicified and weakly magnetic			<1% py, po trace cpy		27 41.1 44.1 3.0	133	7		
15.5	17.2	100	ANDESITE Fine grained greenish. Contact is bleached and weakly clay altered for 40 cm. Contact not well defined. Weak to moderately magnetic. ② 15.6 is a 1cm carb-gtz veinlet 30° to C.A. Also a few streaks of magnetite are 45° to C.A. ② 16.4 is a 1cm veinlet 45° to C.A. ② 16.5 is a 1cm epidote - gtz - magnetite band 45° to C.A. From 16.7 - 17.2 is a clay altered zone with very minor graphitic gauge.			<1% py, po		28 44.1 47.1 3.0	179	9		
17.2	21.3	100	ANDESITE Fine grained greenish generally fresher appearance. Weak to moderately magnetic. ② 17.2 is a 3cm quartz vein 40° to C.A. minor po, py trace cpy. Intermittent epidote - quartz - magnetite blottches and streaks. ② 17.8 is a 1.5 cm veinlet 30° to C.A. ② 20.7 is a .2 cm fracture with streaks of po and cpy 90° to C.A.			Increased to about 1% sulfides. Po > py, ± cpy		29 47.1 50.1 3.0	296	6		
21.3	28.3	90	ANDESITE, part GRANODIORITE Very fine grained generally light greyish. Increased silicification blocky core.					30 50.1 53.1 3.0	78	2		
28.3	41.1	95	ANDESITE Fine grained greenish. Some blocky epidote often with associated spotted white and semi transparent quartz eyes. Magnetite associated with very minor sulfides. Section contains some 30-40 cm greyish weakly quartz flooded zones generally with minor sulfides and only trace cpy. Weak to moderately magnetic.			<1% sulfides po, py ± cpy		31 53.1 56.1 3.0	367	10		
41.1	45.1	95	ANDESITE Fine grained greyish green. Some sections of weak to moderate silicification weakly magnetic ② 45.1 is a .5cm veinlet 40° to C.A. ± cpy			About 1% sulfides finely disseminated po, py, cpy		32 56.1 59.1 3.0	848	36		
								33 59.1 62.1 3.0	170	6		
								34 62.1 65.1 3.0	168	13		
								35 65.1 68.1 3.0	83	12		
								36 68.1 71.1 3.0	219	13		
								37 71.1 74.1 3.0	74	2		



**DRILL
HOLE
RECORD**

FOOTAGE	RECOV.	DESCRIPTION	Inclination	Bearing	PROPERTY	Length	Hole No. I 98-3		
			Collar	—	Location	Hor. Comp.	Vert. Comp.	Sheet 2 of 2	
					Elevation	Bearing	Logged by		
					Coordinates	Began	Completed	Sampled by	
Core Size		Recovery %		GRAPHIC LOG		SAMPLES		ASSAYS	
No.	From	To	Length			No.	From		
45.4	50.3	100	ANDESITE	Fine grained greenish. Moderately magnetic. Occasional silicified zones for a few tens of cms.	About 1% mainly po-py + cpy. Possibly fine bornite?				
50.3	80.5	95	ANDESITE	Fine grained greenish to greenish grey. Increased silicification. Weakly magnetic. @ 51.2 is a 1 cm band of qtz + epidote and 60% py-po and < cpy and magnetite 30° to C.A. @ 54.5 is a 1 cm. veinlet 60° to C.A. minor po-cpy @ 56.0 is a narrow fracture 30° to C.A. Fracture is healed by qtz + magnetite and 30% sulfides. Trace cpy. Some fine tourmaline may be present. @ 57.0 is a 20 cm, siliceous zone with 15% sulfides and minor cpy. @ 61.6 is 20 cm of 3-5% sulfide po>py, cpy sulfides form 1.5 cm blebs and streaks in micro fractures. @ 61.7 is a 1 cm qtz-carb vein 70° to C.A. From 63.7 - 65.2 is a strongly siliceous zone with 1% fine po, py + cpy. From 69.7 - 70.7 core is spalled with clusters of biotite, quartz, magnetite and minor sulfides. From 76.7 - 80.5 is ground core pieces with 5' lost core. Strong fracture zone F.O.H.	1-2% sulfides mainly po-py minor cpy. Local zones to 20 cm contain 5-7% sulfides but mainly barren in between.				



**DRILL
HOLE
RECORD**

COLLAR	INCLINATION		PROPERTY IN DATA		Length / Hor. Comp. Bearing Began Mar Core Size
	-60°	090°	Location	Elevation	
			Coordinates	3+50N 5+25W	

FOOTAGE	RECOV.	DESCRIPTION	MINERALIZATION	G
0	12.2	Casing		
12.2	19.7	90 ANDESITE Fine grained greenish. Propylitic altered. Narrow fractures to 5 cm widths contain epidote and lesser magnetite, quartz and sulfides. Section generally moderately magnetic. @ 13.6 is a 5 cm wide quartz vein 30° to c.a. 1% py + py ± cpy. @ 18.0 is 15 cm zone of 25% sulfides cpy = po + py. From 18.9 - 19.3 is broken core pieces 15% sulfides. cpy > po.	3-5% sulfides. Minor disseminations. Mainly fracture fillings and some scattered dendritic clusters with >10% sulfides over 15 cm cpy about 1/4 total sulfides at po, py, cpy	
19.7	28.0	100 GRANODIORITE - ANDESITE Fine grained mainly light greyish. Rock appears slightly more crystalline than siliceous. Other sections are irregular series of very fine quartz, feldspar and andesite. @ 23.5 is a 1cm barren qtz-calc veinlet 60° to c.a. 4 cm of wallrock contains 2-3% cpy. @ 25.9 is 10 cm of 10% cpy.	1-2% sulfides mainly disseminated po, py, cpy. Some 1-2% cpy blocks and streaks associated with quartz-po-magnetite filled fractures and lenses to 5 cm.	
28.0	37.0	100 GRANODIORITE Fine grained siliceous light grey. Rock is often blotchy and spotted by brownish quartz-biotite flaking or hematizing. Weak to moderately magnetic. Some wavy narrow bands of very fine grained magnetite. @ 32.0 is a 1cm quartz vein 20° to c.a. 2-5% cpy; po	1% sulfides mainly in narrow siliceous streaks cpy = po, lesser py	
37.0	46.3	100 ANDESITE Fine grained dark green. Siliceous and locally strongly magnetic. Magnetite often segregated into dark bands. Intermittent blotchy, epidote. @ 41.7 is a 2 cm ytg-calc-chlorite vein ± sulfide. From 46.3 - 46.8 is strong argillite alteration containing 25 cm of quartz breccia <1% py, po, + cpy. From 46.3 - 46.6 is Fault zone 1% sulfides. From 52.4 - 52.7 is some irregular quartz stringers and increased cpy to 1-2%. From 52.7 - 53.7 is an argillite altered and quartz breccia section and a 1cm banded tourmaline veinlet 30° to c.a.	1-2% sulfides mainly disseminated po > cpy = py	



**DRILL
HOLE
RECORD**

FOOTAGE	RECON.	DESCRIPTION	MINERALIZATION	GRAPHIC LOG	SAMPLES			ASSAYS							
					Collar	Inclination	Bearing	Location	Length	Hor. Comp.	Vert. Comp.	Hole No.	Sheet	of	
								Elevation		Bearing	Began	I 98-4	2	3	
								Coordinates		Completed	Core Size	Logged by	R.Y	Sampled by	V.G
									Recovery %						
37.0	64.3	100	<p>@ 53.9 is a 1.5 cm barren gtz.-carb vein 75° to c.A. From 54.4 - 59.1 Fracture zone @ 58.8 is a 1.5 cm quartz vein 45° to c.A. 5% py-cpy @ 64.3 is a 20 cm fault zone</p>												
64.3	80.2	100	<p>ANDESITE Bleached clay altered. Locally light and dark green spotted and streaked for 20-30 cm with very fine grained quartz, chlorite, tourmaline? and minor sulfides. Weakly magnetic. Occasional irregular quartz veins and lenses with py, py + cpy. From 74.0 - 74.5 is 3-4% cpy. From 75.9 - 78.0 is strong argillite alteration core is spotted with light green chlorite?</p>												
80.2	129.0	95	<p>ANDESITE Fine grained, propylitic altered. Local increased silicification. Weak to moderately magnetic. @ 81.7 is a 1cm gtz. vein 30° to c.A. minor sulfides @ 87.5 is fracture zone 2' last core. @ 93.0 is a 1.5 cm gtz vein 75° to c.A. Trace specular hematite. @ 95.1 coring down gtz stringer for 35 cm 3-4% cpy. @ 113.9 coring down 1cm veinlet for 65 cm minor cpy. From 122.2 - 127.4 Increased silicification Increased visibility of fine black specks of unknown mineral. Sulfides increased to 2-3%. @ 128.0 is a 3 cm gtz-carb vein 30° to c.A. minor fine grained sulfides. @ 129.5 Coring down a 2.5 cm zone of dark greyish semi-transparent microcrystalline quartz for 30 cm. 4-5% very fine sulfides and magnetite.</p>												
129.0	159.4	100	<p>ANDESITE Fine grained, silicified, moderately magnetic. Some brownish hornfelsed looking fine grained silica and biotite sections for 50 cm. Increased fine grained sulfides associated with microcrystalline quartz flooding and minor veining. @ 133.6 is a 1cm veinlet 35° to c.A. 2% cpy. @ 140.5 is a 1.5cm sulfide-quartz vein 40° to c.A. Mainly py-py and 5% cpy.</p>												
												No. From To Length Cu ppm Au ppb			
												84 142.4 145.4 3.0 2485 31			
												85 145.4 148.4 3.0 596 4			
												86 148.4 151.4 3.0 1801 21			
												87 151.4 154.4 3.0 3700 48			
												88 154.4 157.4 3.0 6343 45			
												89 157.4 160.4 3.0 1657 15			
												90 160.4 162.5 2.1 366 6			



**DRILL
HOLE
RECORD**



**DRILL
HOLE
RECORD**

MINCORD Exploration Consultants Ltd.		DRILL HOLE RECORD	Inclination	Bearing	PROPERTY IN DATA	Length	64.0 metres	Hole No. I 98-5
Footage	Recovery		Collar	-70°	235°	Location	Hor. Comp.	Vert. Comp.
						Elevation	Bearing	
						Coordinates 10+00N - 51+00W	Began May 5 1988	Completed May 16 1988
							Core Size No. II	Recovery %
0	5.2	Casing						
5.2	9.1	100 ANDESITE	Fine grained greenish grey. Weakly to moderately magnetic. Weakly silicified. Occasional 2 cm violet with minor py.			Trace to minor disseminated py.		
9.1	10.4	100 ANDESITE	Increasing moderate to strong argillite alteration. Quartz filled hairline fractures weakly magnetic. ② 10.1 is 15 cm of irregular bull quartz veining bordered by chlorite			1% disseminated py - aspy?		
10.4	14.9	100 ANDESITE	Fine grained, greyish. Variable moderate to strong silicification. Very weakly magnetic to non magnetic. Most wt section is streaked by quartz filled hairline fractures. From 13.7 - 14.7 is an argillite altered zone with with graphite on some fracture surfaces. Sulfides to Mn with some labular concentration. A pale green alteration mineral resembles mariposite			About 1% sulfides		
14.9	24.0	100 ANDESITE	Fine grained greenish. Prophytic altered. Very weakly to non-magnetic. Quartz stringers continue. Local zones of weak silicification. Mineralization mainly related to silicification and not to veining. ② 13.8 is a barren 2 cm qtz-carb vein w/ to c.a.			Up to 1% sulfides for short sections. Generally < 1% py, py + aspy		
24.0	51.8	100 ANDESITE	Fine grained greenish. Very minor qtz-carb stringers or silicification. Irregular lenses to 10cm contain up to 5% py but frequency is about 1 per 5 metres			< 1% sulfides. Minor dissemination and blebs in quartz lenses.		
51.8	61.0	100 ANDESITE	Fine grained light and dark greenish. Some 10 cm biotite sections caused by silica and very fine biotite. Weak to non-magnetic. From 51.8 - 58.6 is minor bleaching by argillite and carbonate alteration. From 53.6 - 55.2 is intermittent 20 cm zones of silica - fine biotite causing brownish hues resembling hematitizing. From 59.4 - 62.8 is intermittent barren qtz-carb fracture fillings.			< 1% sulfides		



**DRILL
HOLE
RECORD**

FOOTAGE	RECOV.	DESCRIPTION	MINERALIZATION	GRAPHIC LOG	SAMPLES			ASSAYS	
					Inclination	Bearing	PROPERTY IN DATA	Length	Hole No. T 98-6
					Collar	90°	Location	49.4 m.	Sheet 1 of 1
					Elevation		Bearing	Hor. Comp.	Vert. Comp.
					Coordinates	1+804 1+20E		Began Mar 6/98	Completed Mar 9/98
							Core Size NQ	Recovery %	Sampled by VG
0	3.05	Casing							
3.05	9.1	TUFF & SILTSTONE	Very fine grained pale green non magnetic. Fracture surfaces coated with FeO. @ 6.4 is a 1cm quartz veinlet 60° to C.A.	≤ 1% py in rare quartz veinlets.					
9.1	15.5	VOLCANICLASTIC, part ANDESITE?	Fine grained greenish non magnetic FeO stained structures to 13.2 m. Some 20 cm sections of barren white quartz flanking. Minor quartz lenses. @ 13.2 is a 30 cm barren white quartz vein with chloritic banding and inclusions. 30° to C.A.	≤ 1% py generally on fracture surfaces					
15.5	21.2	VOLCANICLASTIC	Fine grained non magnetic. Hairline irregular fractures filled by quartz and/or pyrite. From 19.5 - 21.2 variably, strongly silicified section. Not mineralized.	1% py, very fine grained filling hairline dendritic microfractures.					
21.2	25.9	GRANODIORITE	Medium grained generally poorly crystalline. Minor sediment inclusions near contact. Non magnetic. Fine grained at lower contact. Contact appears faulted at 75° to C.A.	< 1% pyrite					
25.9	61.3	ANDESITE, ANDESITE PORPHYRY, VOLCANICLASTIC.	Some 50 cm sections of medium grained greyish green granodiorite grading to fine grained greenish silicified microfractured rock. Non-magnetic. Porphyry is fine grained greenish with coarse chloritized matrix grains. It is intermittent with fine grained silicified microfractured andesite. @ 45.5 is a 1.5 cm barren quartz vein 70° to C.A. From 51.5 - 54.1 is a section of very strong silicification and some 30 cm sections of argillite alteration. Trace py.	< 1% sulfides mainly py on fracture surfaces. Very minor Po disseminated					
61.3	72.2	ANDESITE	Fine grained. Non magnetic. Silicified. Very broken core pieces. Microfractures loaded with qtz-cash.	≤ 1% py, ± po					
72.2	99.4	ANDESITE	Fine to medium grained. Non magnetic. Local zones to 50 cm of strong silicification or quartz flanking. Minor zones of porphyritic textures. Generally very broken core pieces. @ 79.1 is a barren 2 cm qtz-carb vein 50° to C.A. @ 84.1 is a 15 cm broken section of quartz vein 1% py in blebs, possible tourmaline.	< 1% py ± po. Sulfides showing slight increase mainly very fine grained in microfractures. Some 30 cm sections have up to 1% very fine disseminated py.					
			From 98.2 - 99.4 is mainly pieces of rubble. Very poor progress.						

MINCORD Exploration Consultants Ltd.	DRILL HOLE RECORD	Inclination Bearing	PROPERTY			Length 88.4 m Hor. Comp. Vert. Comp. Bearing Coordinates 0+50N 1+60E Began Mar 9/98 Completed Mar 10/98	Hole No. I 98-7 Sheet 1 of Logged by RY Sampled by VG
			Collar	-90°	Location		
					Elevation		
					Coordinates 0+50N 1+60E		
FOOTAGE	RECOV.	DESCRIPTION	MINERALIZATION	GRAPHIC LOG	SAMPLES	ASSAYS	
0	5.2	Casing				No. From To Length	Cu ppm Au ppb
5.2	27.4	85 ANDESITE Fine grained green Non magnetic. Broken core pieces and FeO on fracture surfaces to 16.5m. From 16.7 - 17.4 is strong quartz - carb - clay alteration. Trace blebs of py. From 19.3 - 19.5 strongly bleached siliceous zone. Very light green chlorite? mineral and very minor py. From 20.7-21.0 similar bleached zone. Faulting broken core and some lost core. Strong propylitic alteration adjacent to bleached zones. Downhole zones 10 cm sections contain very fine dendritic py and py and po in hairline fractures.	< 1% disseminated pyrite. Near bottom of section are a few 10 cm sections containing very fine dendritic pyrite. Also minor py and po in hairline fractures.		'17 45.4 49.1 3.7 98 49.1 52.1 3.0 99 67.6 70.9 3.1	190 20 94 4 224 21	
27.4	70.7	90 ANDESITE Fine grained greenish Non magnetic. Less broken core. Weak silicification and propylitic alteration throughout. @ 45.4 coring down a 1cm quartz vein for 30 cm. 1-2% py in vein and 1-2% py in wallrock. @ 47.8 is a 1.8 metre milk white quartz vein 25° to C.A. 2-3% py-po in blobs mainly near contacts. From 49.1 - 53.6 is fault or fracture zone. Zone contains a 12 cm. quartz vein 7-9% py-po + py in vein. @ 58.5 is a 10 cm section of increased irregular quartz lenses and 5-7% py-po. Minor tourmaline. From 67.6-70.7 is a possible fault zone containing broken core and one or two 10 cm sections of irregular quartz. 2-4% py in fractures in quartz.	Sulfides 1-2%. Occasional 2-3% py. Finely disseminated and on fractures for up to 2 metre sections. Po is minor but slightly increasing downhole.				
70.7	88.4	100 ANDESITE Fine to medium grained. Non magnetic. Weak to moderate silicification. Occasional 30-40 cm. at intermittent mixed chlorite and andesite. Occasional 1.5 cm. quartz stringer with 2-3% py. From 85.3 - 86.3 is a zone of rounded quartz grains in andesite. 3-5% disseminated pyrite. The rounded quartz grains and subangular grains of the "patchy" diorite may indicate a contact metamorphic effect.	< 1% pyrite overall. One or two local zones to one metre of 3-5% disseminated very fine pyrite.				



**DRILL
HOLE
RECORD**

MINCORD Exploration Consultants Ltd.		DRILL HOLE RECORD	Inclination	Bearing	PROPERTY IN DATA	Length	77.41 m	Hole No. I 98-8
FOOTAGE	RECOV.		Collar	-60°	280°	Location	Hor. Comp.	Vert. Comp.
						Elevation	Bearing	
						Coordinates 0+50N - 1+25W	Began Mar 10/98 Completed Mar 12/98	Sampled by V.G.
							Core Size No II	Recovery %
0	9.1	Casing						
9.1	61.4	95 ANDESITE	Fine grained silicic, greenish. Locally weakly magnetic. Intermittent epidote-quartz filled fractures generally 1-5 cm but to 20 cm. Brownish quartz-titite hornfelsed zones to 30 cm can be microcrystalline and very hard or can be slightly coarser grained. @ 26.1 is a 1cm veinlet 3-5% py, minor tourmaline. @ 26.7 is a 1cm quartz veinlet 30° to c.A. 1% py, + cpy. @ 27.4 is a 10cm epidote-quartz filled fracture zone 1% py, + cpy. From 28.9 - 29.7 is variably quartz flinted 1% py, ~1% cpy. @ 32.2 is a 1.5cm vein 55° to c.A. 1% py, + cpy. Adjacent to vein is 5cm of 1-2% disseminated cpy. @ 48.8 is a 20cm zone of weak argillitic alteration and quartz with 1-3% fine pyrite. @ 50.6 is a 1.5cm irregular stringer 45° to c.A. trace cpy. Well rock has 3cm of 1% cpy. @ 61.0 is a 40cm silicic zone with 2-3% py.		1-3% sulfides. Mainly disseminated and tiny blebs of py. ~1% cpy in hairline fractures and tiny blebs.			
61.4	77.4	100 ANDESITE	Fine grained greenish. Locally weakly silicified. Mainly variable propylitic alteration. @ 68.9 is a 2cm epidote-quartz zone 1% py. @ 75.3 is some irregular .5cm quartz stringers with 1-3% py, + cpy + unknown grey mineral.		~1% - 1% sulfides py = po, + cpy. Most mineralization is in hairline fractures (unidentified + grey mineral) in one or two quartz filled micro fractures.			



**DRILL
HOLE
RECORD**

FOOTAGE	RECOV.	DESCRIPTION	MINERALIZATION	GRAPHIC LOG	SAMPLES		ASSAYS			
					No.	From	To			
								Cu ppm	Au ppm	
0	30.5	Casing. Originally cased to 13.7. Later deepened the casing to 30.5			104	26.2	29.2	3.0	B2	1
13.7	26.2	GRANODIORITE? Fine grained greyish hypabyssal very siliceous. Generally moderately magnetic. Very broken core pieces. Some lost core	~1% sulfides. ± py		105	29.2	32.2	3.0	1140	4
		0 23.5 ground core pieces	1-3% magnetite		106	32.2	35.2	3.0	3351	18
26.2	30.5	GRANODIORITE As above. Continued broken and ground core pieces. Moderate to strongly magnetic.	1-3% py, ± py Disseminated and on fractures. Magnetite disseminated and occurs with sulfides		107	35.2	38.2	3.0	1301	9
30.5	38.4	GRANODIORITE As above. Very siliceous. Quartz-pyrite magnetite + chalcocite assemblage. Some minor biotite at 39.6 m.	Py can be > 3-5% for given 1 metre section. Py locally to 1%		108	38.2	41.2	3.0	2183	13
38.4	71.2	ANDESITE - GRANODIORITE? Difficult to identify. Fine grained greyish to greenish. Very siliceous. Moderately magnetic. Some minor spotted and brownish biotitic hornfelsing? From 41.6 - 42.2 is about 5% py	Average 2-4% sulfides. Py ± py, lesser po. Fine grained disseminations. In siliceous zones more clusters of blobs and streaks related to healed fractures. Possible chalcocite on open fracture?		109	41.2	44.2	3.0	1519	8
71.2	74.8	DIORITE Medium grained dyke. Non magnetic. Contacts broken. Bottom contact is 15 cm of clay selvage	~1% sulfides		110	44.2	47.2	3.0	625	3
74.8	95.4	ANDESITE Fine grained. Silicified, altered. Moderately magnetic with fine grained disseminated magnetite. Some sections strongly magnetic. From 80.0 - 83.5 increased silicification. Local py clusters and streaks to 10 cm. From 83.5 - 84.4 is strong quartz-margillite alteration. Some graphitic streaks 3-5 cm. Po increased to 2-3%, ± py. Some irregular quartz breccia with 1-3% py, ± py. At 85.3 is a 1.5 cm lens of py, ± po. From 89.7 - 95.4 is strong margillite alteration. Rock is bleached light green and streaked with light py-carb and late graphite. Rock is locally spotted with blobs of biotite and magnetite or with blobs of py and minor py.	1% sulfides py = py, lesser po, ± bornite? Po dominates in argillite altered zones. Py locally increases to > 10% over 10 cm sections.		111	47.2	50.2	3.0	2305	7
		(@ 91.4 is a 25 cm zone of semi massive arsenopyrite with 2-3% py and 1% py. Minor greyish mineral in fractures)	25 cm of semi massive arsenopyrite @ 91.4		112	50.2	53.2	3.0	2842	11
					113	53.2	56.2	3.0	1068	16
					114	56.2	59.2	3.0	2688	18
					115	59.2	62.2	3.0	2226	11
					116	62.2	65.2	3.0	2991	11
					117	65.2	68.2	3.0	2088	5
					118	68.2	71.2	3.0	1051	9
					119	71.2	74.8	3.6	865	7
					120	71.8	77.8	3.0	1323	13
					121	77.8	80.8	3.0	1917	12
					122	80.8	83.5	2.7	3174	17
					123	83.5	84.5	1.0	1250	42
					124	84.5	87.5	3.0	1244	40
					125	87.5	89.9	2.4	370	4
					126	89.9	92.9	3.0	183	160
					127	92.9	95.4	2.5	1464	21
					128	95.4	98.4	3.0	374	2
					129	98.4	101.4	3.0	1189	9
					130	101.4	104.4	3.0	319	2
					131	104.4	107.4	3.0	459	6
					132	107.4	110.4	3.0	351	36
					133	110.4	113.4	3.0	342	8
					134	113.4	116.4	3.0	499	10
					135	116.4	119.4	3.0	140	1
					136	119.4	122.4	3.0	247	4
					137	122.4	125.4	3.0	209	1
					138	125.4	128.4	3.0	479	7
					139	128.4	131.4	3.0	736	11



**DRILL
HOLE
RECORD**

STAGE	RECOV.	DESCRIPTION	MINERALIZATION	GRAPHIC LOG	SAMPLES			ASSAYS
					Inclination	Bearing	PROPERTY	
					Collar		Location	
							Elevation	
14/149.4	100	ANDESITE	Fine grained greenish. Weak to moderately magnetic. From 97.2 - 99.7 is partly bleached and argillic altered. Beyond 99.7 are some 1 to 2 metre sections of strong silicification and minor brownish and spotted hornfelsing zones. One or two 5-10 cm sections of 1% py in siliceous zones. @ 110.0 is a 20 cm section with three 1 cm brown veinlets at 45° to C.R. Zone has ± py disseminations and tiny specks of magnetite? From 111.3 - 118.3 is strong argillic alteration and silicification. Several 1 cm quartz filled fractures. Some py blebs and graphitic streaks associated with fractures. ± py. From 126.9 - 126.2 is a few pinkish fine grained batches of K-feldspar, 1% fine py, ± py. Also minor silicification and brownish and spotted hornfelsing. From 128.9 - 129.8 are 2 or 3 bands to 2 cm and other batches of K-spars - epidote - quartz - magnetite and 1-3% py and up to 1% py over 2 cm. Remainder of hole has variable strong to moderate silicification for 2 m intervals. Intermittent spotted and brownish batch hornfelsing for a few cm and argillic zones up to 1 metre with occasional graphitic coated fractures to 1 cm. Sulfides are 1% or less, mainly py, ± py. Magnetite forms streaks and disseminations giving moderate to locally strongly magnetic zones. From 144.2 - 144.5 contains a 1.5 cm zone and a few batches of K-spars 2-3% py and up to 1% py. @ 148.4 is a 2 cm irregular quartz vein with 1% blebs of py.	Overall 117 - 117. Sulfides mainly py, ± py. Local 5-10 cm sections at 1% py.				Hole No. T 98-9
					No.	From	To	Length

APPENDIX IV
ANALYTICAL DATA

GEOCHEMICAL ANALYSIS CERTIFICATE

Guinet Management File # 9800916 Page 1
210 Nigel Ave, Vancouver BC V5Y 2L9

SAMPLE#	No ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P ppm	La ppm	Cr ppm	Mg ppm	Ba ppm	Ti ppm	B %	Al %	Na %	K %	W %	Au* ppb	SAMPLE lb
I-98-1	4	236	<3	32	.3	59	27	648	4.78	7	<8	<2	<2	33	.3	<3	115	3.09	.008	<1	130	2.25	22	.01	<3	2.45	.17	.11	<2	2	18	
I-98-2	2	1713	<3	18	.3	28	22	316	3.31	<2	<8	<2	<2	27	<.2	<3	6	104	1.12	.009	<1	41	1.69	51	.05	<3	2.08	.15	.29	<2	3	6
I-98-3	4	1372	<3	25	.5	45	26	374	5.21	5	<8	<2	<2	43	<.2	<3	7	171	1.58	.008	<1	160	2.11	33	.03	<3	3.08	.27	.15	<2	9	17
I-98-4	13	344	<3	17	.3	51	35	343	7.79	<2	<8	<2	<2	41	<.2	<3	4	199	1.17	.011	<1	145	2.23	37	.03	<3	3.18	.20	.16	<2	11	14
I-98-5	2	313	<3	15	.3	43	20	176	3.10	<2	<8	<2	<2	32	<.2	<3	4	152	1.33	.010	<1	115	1.23	38	.04	<3	2.45	.33	.13	<2	3	14
I-98-6	27	418	17	50	.3	64	19	258	2.38	<2	<8	<2	<2	21	.4	<3	3	111	1.47	.006	<1	247	1.50	32	.02	<3	2.07	.27	.11	<2	7	14
I-98-7	24	1248	<3	24	.4	87	29	477	4.31	3	<8	<2	<2	36	<.2	<3	4	149	2.63	.005	<1	178	2.34	31	.01	<3	2.92	.18	.12	<2	17	17
I-98-8	11	650	<3	23	.4	50	24	421	4.46	<2	<8	<2	<2	64	<.2	<3	3	180	2.61	.005	<1	124	2.04	35	.02	<3	3.77	.39	.13	<2	14	17
RE I-98-8	11	644	<3	23	.5	51	24	420	4.49	<2	<8	<2	<2	64	<.2	<3	3	181	2.62	.005	<1	126	2.05	34	.02	<3	3.75	.39	.13	<2	15	-
RRE I-98-8	12	664	<3	24	.4	50	25	425	4.50	<2	<8	<2	<2	61	.2	<3	3	178	2.59	.006	<1	123	2.08	32	.02	<3	3.63	.37	.13	<2	16	-
I-98-9	28	2146	<3	36	.5	60	32	489	5.91	<2	<8	<2	<2	55	.3	<3	6	193	2.44	<.001	<1	158	2.76	102	.01	4	3.80	.20	.17	<2	49	10
I-98-10	2	499	<3	31	.3	66	20	338	3.49	<2	<8	<2	<2	41	<.2	<3	3	137	2.20	.004	<1	218	1.67	41	.02	<3	3.04	.31	.14	<2	8	12
I-98-11	4	469	<3	37	.3	42	23	305	4.60	<2	<8	<2	<2	49	.2	<3	3	190	2.64	.005	<1	93	1.13	82	.03	<3	3.65	.55	.26	<2	5	15
I-98-12	4	740	<3	47	.4	99	31	877	5.23	2	<8	<2	<2	63	.4	<3	4	138	4.35	.005	<1	186	2.92	62	.01	3	3.27	.23	.11	<2	8	16
I-98-13	3	675	<3	56	.7	62	33	796	5.84	8	<8	<2	<2	30	.2	5	<3	154	2.77	.005	<1	147	3.11	50	.01	<3	2.88	.12	.20	<2	85	17
I-98-14	7	1540	3	36	.7	58	31	500	5.31	4	<8	<2	<2	33	.3	<3	5	176	2.06	.004	<1	100	1.99	72	.04	<3	2.63	.25	.33	<2	38	19
I-98-15	9	310	<3	22	.3	44	25	524	3.67	<2	<8	<2	<2	33	<.2	<3	3	143	2.09	.008	<1	80	1.87	60	.03	<3	2.32	.24	.23	<2	13	15
I-98-16	6	363	<3	30	.3	73	24	502	4.15	<2	<8	<2	<2	33	.4	<3	3	155	2.00	.008	<1	178	2.08	47	.04	<3	2.27	.24	.22	<2	13	19
I-98-17	4	300	5	20	.4	25	18	158	3.52	3	<8	<2	<2	61	<.2	<3	3	165	1.94	.006	<1	78	1.00	70	.04	<3	3.23	.50	.31	<2	5	16
RE I-98-17	5	294	<3	20	.3	25	18	158	3.50	<2	<8	<2	<2	61	.2	<3	3	165	1.95	.007	<1	78	.99	70	.04	<3	3.23	.50	.31	2	5	-
I-98-18	2	90	<3	17	.3	70	28	318	4.28	4	<8	<2	<2	58	<.2	<3	3	131	2.47	.009	<1	156	1.69	25	.04	<3	3.36	.31	.09	<2	1	17
I-98-19	13	314	<3	15	.3	39	17	330	2.57	12	<8	<2	<2	26	<.2	4	4	118	1.83	.009	<1	90	1.28	67	.04	<3	2.10	.32	.21	<2	14	18
I-98-20	1	168	<3	17	<.3	31	16	318	2.75	2	<8	<2	<2	36	<.2	<3	3	117	2.08	.009	<1	57	1.24	73	.06	<3	3.04	.47	.30	<2	8	17
I-98-21	1	22	<3	16	.3	43	21	498	3.07	5	<8	<2	<2	24	.2	7	<3	104	1.97	.007	<1	111	1.81	47	.02	<3	1.71	.22	.14	<2	1	20
I-98-22	1	45	<3	18	<.3	58	24	590	3.90	10	<8	<2	<2	38	<.2	7	<3	103	3.19	.014	<1	121	1.89	51	.02	<3	2.70	.36	.20	<2	1	13
I-98-23	1	144	4	19	.3	80	26	481	3.80	2	<8	<2	<2	27	.2	19	<3	110	2.45	.007	<1	170	1.34	33	.02	<3	2.14	.25	.11	<2	6	10
I-98-24	5	46	4	16	.3	56	38	506	5.87	12	<8	<2	<2	54	<.2	16	<3	146	3.42	.006	<1	93	1.94	49	.01	<3	3.03	.24	.14	<2	1	12
I-98-25	2	1605	3	15	.5	41	23	130	3.49	<2	<8	<2	<2	43	<.2	<3	6	177	1.23	.010	<1	125	.93	12	.03	<3	2.84	.34	.07	<2	10	7
I-98-26	2	1032	<3	12	.4	33	18	124	2.76	<2	<8	<2	<2	48	<.2	<3	3	168	1.58	.007	<1	159	.85	8	.03	<3	2.90	.40	.04	<2	3	9
I-98-27	<1	133	<3	14	.3	22	11	142	1.83	<2	<8	<2	<2	6	<.2	<3	3	137	.43	.014	<1	122	.94	3	.05	<3	.71	.13	.01	<2	7	16
I-98-28	<1	179	<3	27	.3	35	15	321	2.35	<2	<8	<2	<2	9	.3	<3	3	144	.87	.011	<1	144	1.62	4	.04	<3	1.27	.13	.02	<2	9	17
I-98-29	<1	296	<3	23	<.3	28	16	203	2.17	<2	<8	<2	<2	10	.2	<3	3	121	.69	.010	<1	183	1.88	5	.05	<3	1.76	.18	.02	<2	6	17
I-98-30	<1	78	<3	32	<.3	32	17	367	2.63	<2	<8	<2	<2	15	.2	<3	3	135	1.11	.010	<1	106	1.70	5	.04	<3	1.76	.17	.03	<2	2	16
I-98-31	1	367	<3	24	.3	32	19	244	2.29	<2	<8	<2	<2	14	.2	<3	3	134	.91	.009	<1	172	1.92	8	.04	<3	2.03	.21	.03	<2	10	17
I-98-32	<1	868	<3	40	.5	48	27	347	3.81	<2	<8	<2	<2	28	.2	3	<3	141	1.43	.005	<1	128	2.25	4	.02	<3	3.07	.22	.02	<2	36	18
STANDARD C3/AU-R	26	64	35	180	5.9	37	13	787	3.40	58	23	4	18	32	24.2	21	25	84	.61	.091	18	171	.60	158	.11	18	1.91	.04	.17	24	486	-
STANDARD G-2	2	3	<3	43	<.3	7	4	509	1.95	<2	<8	<2	4	83	<.2	<3	4	40	.67	.095	7	75	.56	237	.13	<3	1.02	.11	.50	2	1	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR Mn Fe Sr Ca P La Cr Mg Ba Ti B W AND LIMITED FOR Na K AND Al.
 - SAMPLE TYPE: CORE AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)
Samples beginning 'RE' are Reruns and 'RRE' are Select Reruns.

DATE RECEIVED: MAR 23 1998 DATE REPORT MAILED: March 30/98 SIGNED BY..... C.P. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA



Guinet Management FILE # 9800916

SAMPLE#	No ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe % ppm	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	L %
I-98-33	<1	170	<3	24	<.3	41	19	261	2.09	<2	<8	<2	<2	20	<.2	<3	<3	91	1.07	.011	<
I-98-34	<1	168	<3	25	.3	35	13	268	1.80	<2	<8	<2	<2	38	<.2	<3	<3	99	.92	.010	<
I-98-35	<1	83	<3	15	.3	23	8	153	1.29	<2	<8	<2	<2	12	<.2	<3	<3	94	.68	.010	<
RE I-98-35	<1	84	<3	15	.3	24	8	157	1.32	<2	<8	<2	<2	12	<.2	<3	<3	96	.69	.010	<
RRE I-98-35	<1	101	<3	16	.3	23	9	142	1.31	<2	<8	<2	<2	12	.3	<3	<3	96	.69	.009	<
I-98-36	<1	219	<3	17	.3	44	16	189	1.82	<2	<8	<2	<2	17	<.2	<3	<3	95	1.02	.010	<
I-98-37	<1	74	<3	20	<.3	45	13	273	1.62	<2	<8	<2	<2	11	.2	<3	<3	74	1.14	.010	<
I-98-38	1	1105	<3	37	.6	44	43	483	6.74	<2	<8	<2	<2	16	<.2	<3	7	163	1.41	.006	<
I-98-39	4	1675	<3	34	.4	57	50	403	7.00	5	<8	<2	<2	15	<.2	<3	7	179	.90	.003	<
I-98-40	5	10957	<3	37	.7	58	48	372	6.58	4	<8	<2	<2	17	<.2	<3	<3	179	.68	<.001	<
I-98-42	2	1682	<3	23	.4	80	34	327	5.18	<2	<8	<2	<2	18	.2	<3	4	190	.59	.009	<
I-98-43	2	1387	<3	15	.3	44	22	257	3.70	<2	<8	<2	<2	19	<.2	<3	6	180	.64	.009	<
I-98-44	5	1233	<3	14	.4	73	24	133	3.54	<2	<8	<2	<2	19	<.2	<3	6	188	.37	.010	<
I-98-45	2	755	<3	16	.3	35	17	228	3.04	<2	<8	<2	<2	17	<.2	<3	3	183	.75	.010	<
I-98-46	3	595	<3	12	.3	39	20	141	3.06	<2	<8	<2	<2	15	<.2	<3	4	154	.33	.010	<
I-98-47	3	1585	<3	14	.4	90	26	193	4.06	<2	<8	<2	<2	38	<.2	<3	6	164	1.02	.006	<
I-98-48	1	1635	<3	18	.4	79	32	253	5.17	<2	<8	<2	<2	43	<.2	<3	7	176	1.53	.006	<
I-98-49	<1	355	<3	14	.3	34	15	229	2.64	<2	<8	<2	<2	40	<.2	<3	3	126	1.99	.014	<
I-98-50	2	4629	<3	36	3.9	101	40	720	6.06	31	<8	<2	<2	38	1.1	70	5	147	4.59	<.001	<
I-98-51	1	439	<3	14	.3	29	18	263	3.54	<2	<8	<2	<2	39	.2	<3	<3	186	1.28	.008	<
RE I-98-51	1	443	<3	15	.4	28	18	264	3.58	<2	<8	<2	<2	39	<.2	<3	3	188	1.29	.009	<
RRE I-98-51	1	496	<3	16	.4	28	19	293	3.68	3	<8	<2	<2	38	<.2	<3	3	186	1.36	.008	<
I-98-52	4	1083	<3	23	.3	92	28	427	4.24	3	<8	<2	<2	42	<.2	<3	4	145	1.89	.006	<
I-98-53	<1	623	<3	35	<.3	73	26	827	4.59	3	<8	<2	<2	28	.2	<3	3	136	2.75	.007	<
I-98-54	5	1409	<3	28	.4	27	21	341	3.99	<2	<8	<2	<2	36	<.2	<3	6	179	.98	.007	<
I-98-55	6	799	<3	24	.3	55	27	390	3.95	3	<8	<2	<2	33	<.2	<3	4	154	1.39	.007	<
I-98-56	4	713	<3	17	.3	101	22	301	3.02	<2	<8	<2	<2	16	<.2	<3	5	109	1.27	.006	<
I-98-57	1	152	<3	45	<.3	71	32	867	5.31	<2	<8	<2	<2	24	.5	<3	<3	145	1.99	.010	<
I-98-58	1	1295	<3	37	.4	194	39	941	5.22	6	<8	<2	<2	22	<.2	<3	7	141	2.28	.004	<
I-98-59	<1	1328	<3	34	.4	68	34	734	6.15	4	<8	<2	<2	16	<.2	<3	7	161	1.39	.005	<
I-98-60	1	3220	<3	40	.6	135	41	1045	6.35	5	<8	<2	<2	15	.7	<3	4	131	2.29	<.001	<
I-98-61	<1	273	<3	29	<.3	178	26	1373	4.14	5	<8	<2	<2	28	.3	<3	<3	77	4.02	.004	<
I-98-62	3	2457	<3	35	.6	164	32	480	4.46	3	<8	<2	<2	20	.3	<3	3	113	1.09	.002	<
I-98-63	<1	1474	<3	23	.3	155	27	363	3.04	2	<8	<2	<2	25	<.2	<3	5	98	1.64	.005	<
I-98-64	<1	215	3	25	<.3	141	20	445	2.52	<2	<8	<2	<2	24	<.2	<3	3	89	1.41	.007	<
I-98-65	<1	207	<3	35	.3	45	22	397	3.40	4	<8	<2	<2	15	.2	<3	<3	173	.74	.008	<
STANDARD C3/AU-R	26	64	35	176	5.4	35	13	751	3.25	58	23	3	18	30	23.1	18	26	81	.58	.087	<
STANDARD G-2	1	4	<3	43	<.3	7	4	492	1.89	<2	<8	<2	4	75	<.2	<3	3	39	.64	.090	<

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



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ACME ANALYTICAL

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe % ppm	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P % ppm	La ppm	Cr ppm	Mg % ppm	Ba % ppm	Ti % ppm	B %	Al %	Na %	K %	W %	Au* ppb	SAMPLE lb	
I-98-66	<1	496	3	28	.3	80	22	372	2.46	<2	<8	<2	<2	24	<.2	<3	<3	87	1.42	.008	<1	214	2.35	119	.01	7	3.32	.17	.09	<2	8	14	
I-98-67	<1	1376	<3	52	.6	124	28	897	3.92	3	<8	<2	<2	19	<.2	<3	<3	97	2.91	.006	<1	347	3.46	53	<.01	5	3.17	.13	.06	<2	36	20	
I-98-68	<1	310	<3	18	<.3	82	13	211	1.59	2	<8	<2	<2	28	<.2	<3	<3	63	1.24	.007	<1	277	2.07	141	.01	4	3.24	.19	.11	<2	6	15	
I-98-69	1	1845	6	42	.8	159	27	229	3.02	<2	<8	<2	<2	21	.2	<3	<3	139	.94	.008	<1	345	1.67	134	.02	3	3.00	.20	.11	<2	25	26	
I-98-70	<1	3003	<3	37	1.4	251	29	205	2.54	<2	<8	<2	<2	18	.3	<3	<3	88	1.39	.007	<1	368	1.58	54	.02	<3	3.29	.25	.09	<2	73	10	
I-98-71	<1	2256	<3	48	1.3	224	31	263	3.24	<2	<8	<2	<2	17	.2	<3	<3	104	1.48	.007	<1	323	2.43	24	.02	<3	3.83	.24	.05	<2	32	14	
I-98-72	<1	2606	6	86	2.3	224	38	1043	4.94	126	<8	<2	<2	17	1.1	372	<3	109	3.29	.005	<1	337	3.38	14	.01	<3	3.51	.11	.12	<2	35	15	
I-98-73	<1	1036	5	26	.5	47	28	488	4.77	<2	<8	<2	<2	9	<.2	<18	<3	171	1.16	.010	<1	122	2.70	23	.02	<3	2.84	.08	.11	<2	8	15	
I-98-74	1	1102	<3	14	.4	51	31	249	4.35	<2	<8	<2	<2	11	<.2	6	<3	192	.50	.009	<1	154	2.12	25	.02	<3	2.37	.09	.10	<2	10	19	
I-98-75	<1	1363	<3	30	.9	57	47	885	7.87	5	<8	<2	<2	10	<.2	<3	<3	207	1.74	.007	<1	189	4.59	6	.01	<3	4.05	.06	.05	<2	8	14	
I-98-76	1	652	<3	14	.3	45	22	147	2.66	<2	<8	<2	<2	8	<.2	<3	<3	149	.33	.008	<1	156	1.23	10	.02	<3	1.68	.12	.03	<2	3	17	
I-98-77	<1	1553	14	92	.8	49	35	371	4.51	<2	<8	<2	<2	14	.2	4	<3	168	.93	.009	<1	124	2.24	23	.02	<3	2.53	.09	.06	<2	15	20	
I-98-78	3	2054	<3	30	.9	36	38	428	5.49	20	<8	<2	<2	14	<.2	11	<3	177	1.59	.008	<1	38	2.46	17	.02	<3	2.89	.10	.15	<2	15	19	
I-98-79	13	1326	<3	22	.3	47	39	210	5.02	<2	<8	<2	<2	8	<.2	<3	<3	143	.77	.007	<1	63	2.14	36	.04	<3	2.77	.15	.27	<2	5	18	
I-98-80	3	3349	<3	28	.3	116	41	168	4.24	<2	<8	<2	<2	16	.2	<3	<3	156	.49	.007	<1	226	1.58	48	.03	<3	2.55	.14	.22	<2	27	16	
I-98-81	4	2991	<3	21	.6	63	30	113	4.13	<2	<8	<2	<2	83	<.2	<3	<3	202	2.02	.006	<1	171	1.10	15	.02	<3	4.20	.37	.07	<2	37	18	
I-98-82	124	5768	<3	50	2.6	62	53	373	7.94	<2	<8	<2	<2	49	.9	<3	<3	193	1.88	.002	<1	150	3.23	14	.03	<3	5.01	.28	.18	<2	60	16	
I-98-83	360	12353	<3	100	24.9	53	29	767	6.63	514	<8	<2	<2	14	5.4	909	<3	55	5.39	<.001	<1	38	.99	5<.01	<3	1.02	.05	.10	<2	67	5		
RE I-98-83	356	12470	<3	100	24.8	53	29	770	6.66	521	<8	<2	<2	15	6.2	915	4	55	5.64	<.001	<1	36	.99	5<.01	<3	1.03	.05	.10	<2	71	-		
RRE I-98-83	365	12346	<3	99	24.7	51	29	762	6.58	506	<8	<2	<2	15	6.0	913	<3	54	5.47	<.001	1	36	.98	5<.01	<3	1.01	.05	.10	<2	77	-		
I-98-84	6	2485	3	44	2.2	59	29	932	5.07	421	<8	<2	<2	16	.5	401	<3	112	2.87	.007	<1	130	2.05	13	<.01	<3	1.54	.14	.10	<2	31	15	
I-98-85	1	596	<3	25	.3	62	25	429	3.39	2	<8	<2	<2	15	<.2	5	<3	167	1.17	.011	<1	172	1.64	12	.02	<3	2.40	.25	.05	<2	4	18	
I-98-86	<1	1881	5	28	.6	146	40	753	5.32	6	<8	<2	<2	16	<.2	4	4	125	3.57	.007	<1	187	2.91	8	.01	<3	3.72	.22	.07	<2	21	17	
I-98-87	5	3700	3	33	.8	171	46	465	5.34	<2	<8	<2	<2	14	<.2	<3	4	130	1.71	.004	<1	247	3.14	7	.02	<3	3.95	.22	.07	<2	48	18	
I-98-88	5	6343	3	32	.9	122	66	382	7.87	<2	<8	<2	<2	10	<.2	<3	<3	224	.57	.002	<1	243	3.72	31	.03	<3	3.91	.12	.26	<2	45	15	
I-98-89	8	1657	<3	22	.3	93	25	283	2.82	<2	<8	<2	<2	20	<.2	<3	3	90	1.57	.007	<1	216	2.33	19	.02	<3	3.67	.29	.18	<2	15	19	
RE I-98-89	8	1726	<3	24	.3	95	26	295	2.95	4	<8	<2	<2	21	<.2	<3	3	95	1.64	.006	1	226	2.43	20	.02	<3	3.86	.31	.19	<2	19	-	
RRE I-98-89	8	1698	<3	24	.3	97	26	296	2.94	5	<8	<2	<2	21	<.2	<3	4	94	1.65	.007	<1	226	2.43	20	.02	<3	3.84	.31	.19	<2	23	-	
I-98-90	10	366	3	22	.3	92	25	374	3.52	<2	<8	<2	<2	32	<.2	<3	3	130	2.13	.009	<1	192	2.53	33	.02	6	4.22	.32	.14	<2	6	14	
I-98-91	2	1179	<3	32	.6	104	42	716	6.00	6	<8	<2	<2	18	<.2	<3	<3	198	2.92	.006	<1	305	5.22	8	.03	<3	3.73	.06	.05	<2	11	18	
I-98-92	1	141	<3	47	.3	116	40	787	6.00	15	<8	<2	<2	35	<.2	36	<3	147	2.94	.010	<1	262	5.16	10	.01	8	3.52	.03	.13	<2	4	17	
I-98-93	1	1233	<3	42	.4	140	38	866	5.71	6	<8	<2	<2	31	<.2	<3	<3	142	2.93	.007	<1	307	5.09	16	.01	4	3.79	.03	.15	<2	9	23	
I-98-94	2	578	5	43	.3	135	43	784	6.06	<2	<8	<2	<2	14	<.2	<3	<3	180	1.28	.008	<1	333	5.87	6	.04	<3	4.36	.04	.03	<2	1	16	
I-98-95	1	373	<3	26	.3	99	37	515	5.26	3	<8	<2	<2	10	<.2	<3	<3	145	.68	.007	<1	273	4.65	9	.05	<3	3.49	.06	.08	<2	1	16	
I-98-96	<1	32	13	22	.3	100	21	555	2.90	40	<8	<2	<2	16	.2	25	3	103	2.91	.010	<1	125	2.31	3	.03	<3	1.60	.08	.02	<2	10	12	
I-98-97	<1	190	16	30	.8	99	26	509	4.52	151	<8	<2	<2	27	.4	117	40	89	3.25	.008	<1	131	2.07	4	.02	<3	1.55	.07	.03	3	20	18	
STANDARD C3/AU-R	25	63	36	170	5.5	36	13	762	3.31	58	21	3	18	30	23.4	19	80	.58	.089	17	165	.59	149	.10	19	1.85	.04	.16	24	515	-		
STANDARD G-2	2	3	4	43	<.3	8	4	514	2.02	<2	<8	<2	<2	3	75	<.2	<3	<3	40	.65	.096	8	74	.57	225	.13	<3	.97	.09	.49	2	<1	-

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

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Data FA



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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	SAMPLE lb
I-98-98	<1	94	<3	29	.7	192	32	468	4.15	17	<8	<2	<2	32	<.2	10	4	91	2.12	.012	<1	198	2.93	14	.03	<3	2.43	.08	.03	3	4	12
I-98-99	<1	224	4	25	.7	75	48	630	5.32	9	<8	<2	<2	27	.5	12	8	133	5.64	.007	<1	104	2.18	7	.01	4	1.86	.06	.04	3	21	13
I-98-100	<1	158	<3	19	.3	36	19	314	3.36	5	<8	<2	<2	25	<.2	<3	<3	111	1.67	.011	<1	102	2.33	7	.04	<3	2.41	.11	.07	<2	7	15
I-98-101	1	747	<3	14	.4	24	17	208	2.85	<2	<8	<2	<2	25	<.2	<3	<3	91	.67	.014	<1	31	1.85	26	.05	<3	2.04	.15	.21	<2	27	18
I-98-102A	1	75	<3	17	<.3	74	26	518	4.41	<2	<8	<2	<2	14	<.2	<3	<3	138	1.47	.009	<1	181	3.11	19	.03	<3	2.90	.15	.08	<2	3	12
I-98-102B	<1	276	<3	16	<.3	38	21	258	3.15	<2	<8	<2	<2	14	<.2	3	<3	91	.71	.012	<1	101	2.17	12	.04	<3	2.07	.13	.10	<2	8	12
I-98-104	1	82	<3	10	.3	36	13	141	2.27	2	<8	<2	<2	24	<.2	<3	<3	146	.74	.009	<1	262	1.24	6	.02	<3	2.40	.19	.07	<2	1	10
I-98-105	2	1140	<3	12	.3	48	26	126	4.21	<2	<8	<2	<2	36	<.2	<3	<3	208	.86	.013	<1	132	.92	11	.03	<3	2.30	.25	.07	<2	4	13
I-98-106	2	3351	<3	20	.5	53	25	219	4.20	<2	<8	<2	<2	59	<.2	<3	<3	165	1.79	.008	<1	91	1.15	11	.02	<3	3.28	.39	.07	<2	18	11
I-98-107	2	1301	<3	23	.4	32	28	336	4.96	<2	<8	<2	<2	37	<.2	<3	<3	200	1.68	.012	<1	57	1.48	13	.02	<3	2.84	.26	.08	<2	9	14
I-98-108	6	2183	<3	21	.5	49	33	190	4.35	<2	<8	<2	<2	23	.4	<3	5	206	.57	.009	<1	91	1.50	17	.03	<3	2.45	.16	.13	2	13	16
I-98-109	2	1519	<3	17	.4	47	31	203	3.73	<2	<8	<2	<2	54	<.2	<3	<3	175	2.36	.007	<1	96	1.19	12	.02	<3	3.42	.42	.07	<2	8	16
I-98-110	1	625	5	13	.3	46	23	182	3.01	<2	<8	<2	<2	33	<.2	<3	<3	174	1.98	.009	<1	117	1.32	36	.03	<3	3.09	.38	.09	<2	3	15
I-98-111	3	2305	<3	17	.3	54	26	181	3.73	<2	<8	<2	<2	13	<.2	<3	<3	194	.97	.008	<1	171	1.44	47	.02	<3	2.71	.26	.07	<2	7	18
I-98-112	7	2842	<3	17	.3	42	27	253	3.73	<2	<8	<2	<2	27	<.2	<3	<3	151	1.71	.008	<1	127	1.42	64	.02	3	2.95	.31	.05	<2	11	16
I-98-113	60	1068	<3	20	.4	42	25	284	3.23	<2	<8	<2	<2	16	<.2	<3	<3	110	2.01	.009	<1	56	1.52	264	.02	15	2.82	.27	.06	<2	16	19
I-98-114	7	2688	<3	23	.6	52	31	223	3.55	<2	<8	<2	<2	13	<.2	<3	<3	181	.98	.009	<1	129	1.49	136	.05	3	2.66	.30	.16	<2	18	16
RE I-98-114	7	2724	<3	23	.6	53	31	223	3.58	<2	<8	<2	<2	13	<.2	<3	<3	182	.99	.009	<1	133	1.50	118	.04	5	2.65	.29	.16	<2	20	-
RRE I-98-114	7	2732	<3	23	.7	54	31	228	3.61	<2	<8	<2	<2	13	<.2	<3	<3	185	1.00	.009	<1	134	1.52	133	.05	4	2.68	.30	.16	<2	17	-
I-98-115	4	2266	19	80	.7	46	33	167	4.37	<2	<8	<2	<2	50	<.2	<3	<3	205	1.89	.008	<1	113	1.29	190	.04	<3	3.66	.37	.18	<2	11	18
RE I-98-115	4	2277	24	81	.6	46	33	168	4.37	<2	<8	<2	<2	50	<.2	<3	<3	205	1.91	.008	<1	112	1.29	197	.04	<3	3.70	.37	.18	<2	11	-
RRE I-98-115	4	2298	18	81	.7	46	33	168	4.41	<2	<8	<2	<2	50	<.2	<3	<3	207	1.90	.009	<1	115	1.30	180	.04	<3	3.71	.37	.18	<2	11	-
I-98-116	1	2391	<3	15	.4	53	27	189	4.12	<2	<8	<2	<2	97	<.2	<3	<3	192	2.67	.006	<1	195	1.19	237	.02	<3	4.54	.48	.08	<2	11	16
I-98-117	5	2088	<3	15	.4	48	22	165	3.73	4	<8	<2	<2	23	<.2	<3	<4	214	.61	.008	<1	198	1.48	245	.05	<3	2.38	.15	.23	2	5	16
I-98-118	1	1051	<3	16	.4	46	23	151	1.98	<2	<8	<2	<2	42	<.2	<3	<3	106	1.88	.006	<1	249	1.31	202	.02	<3	3.52	.45	.11	<2	9	15
I-98-119	3	865	<3	23	.7	132	22	501	2.73	26	<8	<2	<2	20	<.2	4	<3	79	2.61	.006	<1	396	2.78	138	.01	7	3.03	.09	.20	<2	7	21
I-98-120	1	1323	<3	26	.7	138	26	398	3.68	9	<8	<2	<2	36	<.2	3	<3	121	2.48	.006	<1	298	2.41	72	.01	<3	3.69	.28	.11	<2	13	19
I-98-121	1	1917	<3	18	.5	68	25	212	3.44	<2	<8	<2	<2	42	<.2	<3	<3	173	2.07	.007	<1	237	1.26	54	.02	<3	3.76	.42	.06	<2	12	18
I-98-122	2	3174	<3	18	.7	68	28	149	3.42	<2	<8	<2	<2	47	<.2	<3	<3	232	1.95	.005	<1	256	1.02	42	.03	<3	3.96	.53	.06	<2	17	13
I-98-123	1	1250	<3	30	2.3	58	32	1334	5.30	432	<8	<2	<2	60	1.0	37	<3	92	4.01	.007	<1	63	3.06	62	<.01	<3	1.55	.07	.26	<2	42	10
I-98-124	1	1244	<3	15	.4	71	21	210	2.76	<2	<8	<2	<2	72	<.2	<3	<3	134	2.96	.006	<1	247	1.41	139	.03	3	4.77	.56	.13	<2	40	17
I-98-125	1	390	7	13	.4	44	26	184	3.19	<2	<8	<2	<2	22	<.2	<3	<3	171	.83	.010	<1	180	1.75	85	.03	4	2.47	.17	.17	<2	4	14
I-98-126	77	183	9	35	2.6	63	37	1108	6.05	17702	<8	<2	<2	40	.9	106	5	89	4.18	.009	<1	117	2.91	59	<.01	<3	1.81	.08	.22	<2	160	19
I-98-127	6	1464	4	39	.9	52	36	766	5.84	52	<8	<2	<2	28	.6	4	<3	132	3.38	.006	<1	101	3.17	25	<.01	3	2.41	.11	.12	<2	21	15
I-98-128	9	374	<3	19	.4	65	33	410	4.74	26	<8	<2	<2	50	<.2	3	<3	152	3.05	.006	<1	169	1.95	39	.02	4	3.64	.37	.11	<2	2	15
I-98-129	1	1184	5	26	.5	46	28	277	4.56	6	<8	<2	<2	35	<.2	<3	<3	211	1.85	.010	<1	131	1.70	73	.03	3	3.20	.35	.17	<2	9	16
STANDARD C3/AU-R	25	63	35	169	5.6	35	12	754	3.29	57	24	5	19	30	23.4	20	24	79	.57	.089	17	163	.58	149	.10	19	1.84	.04	.16	22	460	-
STANDARD G-2	2	4	<3	44	<.3	8	5	529	2.05	<2	<8	<2	4	77	<.2	<3	3	41	.66	.096	7	78	.58	232	.14	<3	.98	.09	.48	3	<1	-

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

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Data FA



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ACME ANALYTICAL

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SAMPLE#	No ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba %	Ti %	B %	Al %	Na %	K %	W %	Au* ppb	SAMPLE lb
I-98-130	1	319	<3	13	.4	33	19	278	2.95	<2	<8	<2	<2	27	<.2	<3	<3	121	1.67	.007	<1	111	1.72	41	.02	<3	2.49	.31	.08	<2	2	18
I-98-131	1	459	<3	17	.3	34	19	229	2.66	<2	<8	<2	<2	21	<.2	<3	<3	139	1.40	.010	<1	112	1.42	58	.03	<3	2.28	.32	.13	<2	6	16
I-98-132	<1	351	<3	23	.3	113	30	624	4.74	<2	<8	<2	<2	43	<.2	<3	<3	166	3.43	.008	<1	268	2.58	60	.01	<3	3.76	.41	.11	<2	36	16
I-98-133	<1	342	4	29	1.1	93	29	1082	4.12	175	<8	<2	<2	36	.5	28	<3	73	3.55	.009	<1	128	2.88	24	<.01	<3	1.52	.12	.15	<2	8	17
I-98-134	9	499	<3	30	.6	97	30	881	5.52	67	<8	<2	<2	60	.2	16	<3	135	4.73	.008	<1	180	2.56	19	<.01	<3	3.15	.19	.11	<2	10	17
I-98-135	14	140	<3	13	<.3	113	30	457	3.99	7	<8	<2	<2	54	<.2	3	<3	116	4.55	.005	<1	208	2.23	16	.01	<3	3.88	.24	.09	<2	1	15
RE I-98-135	13	134	<3	13	.3	108	29	447	3.88	6	<8	<2	<2	53	<.2	<3	<3	113	4.47	.005	<1	200	2.19	16	.01	<3	3.78	.24	.09	<2	1	-
RRE I-98-135	14	134	<3	13	.3	111	29	451	3.90	5	<8	<2	<2	53	<.2	<3	<3	113	4.48	.006	<1	204	2.19	16	.01	<3	3.78	.24	.09	<2	1	-
I-98-136	1	247	<3	9	.3	41	19	181	3.82	2	<8	<2	<2	84	<.2	<3	<3	160	2.86	.007	<1	97	1.28	32	.03	<3	4.19	.37	.13	<2	4	18
I-98-137	1	209	<3	10	.3	34	23	154	4.42	3	<8	<2	<2	70	<.2	<3	<3	172	2.83	.006	<1	59	1.11	11	.02	<3	4.35	.44	.05	<2	1	14
I-98-138	4	479	5	16	.5	34	26	238	4.08	3	<8	<2	<2	68	<.2	<3	<3	182	2.58	.009	<1	95	1.42	14	.02	<3	3.98	.42	.06	<2	7	18
I-98-139	7	936	5	13	.5	48	36	290	5.13	2	<8	<2	<2	60	<.2	<3	<3	202	2.22	.006	<1	130	1.70	20	.01	<3	3.49	.28	.08	<2	11	12
I-98-140	1	1225	7	27	.6	24	31	590	7.15	<2	<8	<2	<2	39	<.2	<3	<3	204	1.79	.013	<1	87	2.27	20	.03	<3	3.48	.10	.10	<2	34	14
I-98-141	<1	175	<3	23	.3	41	22	244	3.69	<2	<8	<2	<2	72	<.2	<3	<3	180	1.84	.005	<1	93	1.66	8	.01	<3	3.94	.37	.06	<2	2	12
I-98-142	1	874	<3	21	.6	39	22	211	3.38	<2	<8	<2	<2	56	<.2	<3	<3	160	1.95	.005	<1	186	1.57	11	.02	<3	3.42	.30	.09	<2	12	15
I-98-143	<1	63	6	21	.4	40	27	198	5.74	5	<8	<2	<2	58	<.2	<3	<3	218	1.28	.009	<1	187	1.88	14	.03	<3	3.47	.24	.13	<2	<1	16
I-R-1	<1	9	<3	1	<.3	65	29	13	4.40	167	<8	<2	<2	4	.2	16	<3	11	.02	.002	<1	23	.03	9	<.01	3	.37	.07	.08	24	4	7
STANDARD C3/AU-R	25	62	38	168	5.4	34	13	743	3.24	53	22	4	17	29	22.7	19	23	79	.56	.085	16	163	.57	145	.09	17	1.81	.04	.15	23	550	-
STANDARD G-2	1	4	<3	44	<.3	8	4	525	2.02	<2	<8	<2	3	74	<.2	<3	<3	41	.66	.097	7	75	.59	226	.13	<3	.95	.08	.47	2	1	-

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