

Coological Survey Branch Assessment Report Indexing System

ARIS Summary Report



[ARIS11A]				ARIS Summary R	eport				_		
Regional Geologist, Prince George		!		Date Approved:		1999.04.16			Off Confidential:		1999.10.22
ASSESSMENT RE	EPORT: 25824			Mining Divisi	on(s):	c	ariboo				
Property Name:	Grizzly Lake										
Location:	NAD 27 NAD 83 NTS;	Latitude: Latitude: 093A15W	52 48 00 52 48 00	Longitude: Longitude:	120 5 120 5	2 00 2 05	UTM: UTM:	10 10	5851938 5852153	643826 643727	
Camp:											
Claim(s):	Dick 2 & 4										
Operator(s): Author(s):	McLeod, Ja McLeod, Ja	mes W. mes W.									
Report Year:	1999										
No. of Pages:	24 Pages										
Commodities Searched For:	Zinc, Lead										
Generai Work Categories:	DRIL, GEO	C									
Work Done;	Drilling DiAD Geochemic SAMP Elemen	Diamond si al Sampling/a its Analyzed	u rface Issaying For : Multiel	~(2 hole(s);XRP) ~ (13 sample(s);) ement	(58:9 m)	,	<			
Keywords:	Limestones	, Phyllites, P	roterozoic-C	ambrian							
Statement Nos.:	3126317										
MINFILE Nos.;	093A 062,	093A 065									
Related Reports:	02366, 03783, 03813, 09667, 20537, 20639, 21038, 22833, 23191, 23995, 24805, 25324										



REPORT

on the

GRIZZLY LAKE ZINC-LEAD PROPERTY Cariboo Mining Division, British Columbia

Lat. 52°48'N; Long. 120°58"W NTS 93A/14E & 15W

on behalf of

GOLDEN KOOTENAY RESOURCES INC. and EXCELLERATED RESOURCES INC.

by

James W. McLeod, P.Geo. (BC)

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT



January 26, 1999 Delta, British Columbia

TABLE OF CONTENTS

SUMMARY	3
INTRODUCTION	4
LOCATION AND ACCESS	4
PROPERTY AND OWNERSHIP	5
TOPOGRAPHICAL AND PHYSICAL ENVIRONMENT	5
HISTORY	6
REGIONAL GEOLOGY	7
PROPERTY GEOLOGY	7
PRESENT WORK PROGRAM	8
CONCLUSIONS	9
RECOMMENDATIONS	9
COST ESTIMATE	10
STATEMENT OF COSTS	11
CERTIFICATE	12
REFERENCES	13

APPENDICES

Appendix I	Drill Core Logs, DDH 98 1&2	14
Appendix II	Analyzes	15

LIST OF FIGURES

Figure 1	Location Map	After 3
Figure 2	Claim Map	After 4
Figure 3	Regional Geology	After 5
Figure 4	Gravity Grid and Drill Hole Locations	After 6

SUMMARY

During August - Sept. 1998 the writer supervised a reconnaissance diamond core drilling program on the Grizzly Lake zinc - lead property in the Cariboo Mining Division of British Columbia. The drill program was conducted on behalf of Golden Kootenay Resources Inc. of Delta, B.C. and Excellerated Resources Inc. of Vancouver, B.C. The program included drilling two XRP standard diamond core drill holes for a total of 57 meters (187').

The current program did not test the highest anomalous gravity zones discovered in 1996 because of the lack of sufficient access to the highest gravity survey targets and adverse weather conditions (early snow fall and sub-zero temperatures). The drilling program did reveal a number of interesting features about the mineral occurrences which were tested. The mineralization in the vicinity of the gravity survey "highs" seems to occur within the dipping (northerly), prepared (brecciated) and silicified dolomites (Ca:Mg approx. 2:1, by partial digestion, see Appendix II). The currently reported analyses are chip-grab samples of core sections where selected zinc values ranged up to 3%+ Zn in DDH 98-1 and 5%+ Zn (0.5% approx. lead) in DDH 98-2 (see Appendices).

The recommended program will include additional reconnaissance drilling of the anomalous (high gravity) areas. Positive drill results will require that further gravity surveying be undertaken. This program is expected to take two months to complete at an estimated cost of \$85,850.



CHONG

INTRODUCTION

During the period August 13 - September 15, 1998, the writer supervised a reconnaissance core drilling program on the Grizzly Lake zinc - lead property. The two holes (DDH 98 1&2) were drilled in areas thought to be underlain by the carbonate-phyllite sequence in areas easily accessible from the main property road.

4

Both of the drill holes intersected anomalous zinc (lead) sections although they were not collared over the highest priority gravity targets survey areas. The two main targets had access provided to them, but an early snowfall stopped the drill program prematurely.

The program was conducted by G.D. Drilling of Surrey, B.C. on behalf of Golden Kootenay Resources Inc. of Delta, B.C. and Excellerated Resources Inc. of Vancouver, B.C.

LOCATION AND ACCESS

The Grizzly Lake Zn-Pb property is located 105 air kilometres (65 airmiles) east-southeast of Quesnel, B.C. and northeast of Williams Lake, B.C., respectively. The claim area may be located at latitude 52° 48' N. and 120° 58' W. (U.T.M. Grid Coordinates 5855000N, 637000E) on NTS maps 93A/14E and 15W.

Access to the property is provided by traveling to the northeast of the Town of Likely, B.C. for 65 kilometres (39 miles) on a good gravel - surfaced logging road (Weldwood 8400 Road) which also provides access to the historical mining towns of Barkerville and Wells, British Columbia. The entire property is afforded road access from the 8400 road by traveling 8 km east on mining property roads.



PROPERTY AND OWNERSHIP

The Grizzly Lake Zn-Pb property consists of 4 - 4 post claims for a total of 76 contiguous units which are listed as follows:

<u>Claim Name</u>	Record Number	No. of Units	Expiry Date
Dick 1	314843	16	November 13, 1999
Dick 2	314844	20	November 14, 1999
Dick 3	314845	20	November 14, 1999
Dick 4	314846	20	November 14, 1999

Table 1

The mineral claims are owned 100% by Golden Kootenay Resources Inc. of Delta, B.C. and are presently held under option by Excellerated Resources Inc. of Vancouver, B.C.

TOPOGRAPHICAL AND PHYSICAL ENVIRONMENT

The property lies in the sub-alpine biotic zone in the Quesnel Highlands on the east side of the Interior Plateau and on the west side of the Cariboo mountains The claim area is characterized by open, sparse conifer covered areas. The conifer cover is as spruce and pine with much of the more open areas covered by buck brush and grasses. The property may be described as more of a mountainous plateau lying above and to the northwest of the north-arm of Quesnel Lake. The property lies in moderately steep mountainous terrain and ranges in elevation from 1,280 to 1,830 metres (4,200 to 6,000 feet) mean sea level.

The property area generally experiences a cool, wet climate with approximately 90 cm (35 inches) of annual precipitation of which 30%-40% may occur as snow.



HISTORY

The Grizzly Lake Zn-Pb property historical events are listed as follows:

Year	Company	Work Performed and Results	Cost-Present Value (est.)
1969	Canex Aerial Explorations Ltd. (now Placer Dome)	Silting creek on east side of property renders Pb-Zn anomalous samples, follow-up soil sampling reveals anomalous zone, but EM testing fails to indicate mineralization relationship.	\$60,000
1972	Canadian Superior Explorations	Extend Canex work to west and outline several IP, EM and soil anomalies and the occurrence of some high grade Pb- Zn float and vein-type mineralization A drill is helicoptered in - three holes totaling 353 metres (1,157 feet). Two holes test soil anomalies, one cuts 60 feet of 0.6% Zn and 400 ppm Pb. The third hole tests an IP anomaly near soil anomaly of Canex, but only weak Zn-Pb mineralization is encountered in pyrite-pyrrhotite in shaley (phyllitic?) or argillaceous rocks.	\$100,000
1969- 1972	Cream Silver and Morocco Mines?	Performed some geochemistry and hand trenching in Pb-Zn mineralization in DeBasher Lake area. Drilled 4 holes totaling 600m. (1,968 feet) near Flipper Creek (central portion of present property), scattered remnant core appears to be largely phyllite or argillaceous carbonates.	\$100,000
1989	R.E. Mickle	Prospecting and "Zinc-Zap" testing reveals 8 - 10 km. long, northwest trending carbonate-hosted zinc trend. The area is seen to contain in excess of 65 separate? Mineral occurrences, some of which display considerable aerial extent as revealed by surface stripping. Galena was found to be present in many locations throughout the property	\$25,000
1989- 1990	T.S.ATeck Corporation joint venture on R.E. Mickle claims	Teck assumes initial management and funding and undertakes large soil and rock geochemistry program, rock trenching and stripping, geological mapping, limited VLF- EM, four shallow Winkie drill holes and completes a reclamation program.	\$400,000
1990	Richard Lonsdale as Cariboo Highland Metals (CHM)	Option on former Canex and Canadian Superior ground where shallow trenching reveals numerous Zn-Pb occurrences.	N/A
199 2- 1993	Golden Kootenay Resources Inc.(GKK)	Present land position acquired and VLF-EM orientation survey. undertaken. Detailed VLF-EM and MAG program undertaken.	\$89,000
1994-97	GKK	9 AQ diamond core drill holes totaling 763 metres (2,500°). During 1996 a limited gravity survey was done.	\$142,000
1998	GKK	2 XRP drill holes totaling 57m. (187').	\$25,150

<u>Table 2</u>



C-C-C

REGIONAL GEOLOGY

The regional geological setting of the area has been described by a number of parties (see References). Generally, the area with which we are concerned lies immediately east of the Quesnel Trough and is underlain by northwesterly trending stratified rocks of Hadryrian (upper Proterozoic)-Cambrian (sediments) to Permian-Triassic (mainly clastics) age which are referred to as Cariboo Terrane. The succession consists of grit, pelites, marble, quartzite, limestone, phyllite and shale. The lower portion of this succession which hosts the Grizzly Lake Zn-Pb property consists of the lower Isaac Formation and the upper Cunningham Formation which are gradational at the contact and which exhibits an interfingering (facies change) pattern. Intrusive activity is evident regionally as Jurassic and Cretaceous intrusives of granodiorite and quartz monzonite which are referred to locally as the Little River stocks.

PROPERTY GEOLOGY

The property is generally seen to be underlain by a thick carbonate succession which is locally seen to trend northwest - southeast with a fairly steep northeasterly dip. The westside of the former property (West Grid area) exhibits a northeast trending and most often northerly dipping series of carbonates and phyllites. The central and eastside of the succession (Center and East Grid areas) which constitute the present property are underlain by a northwesterly trending and northerly dipping, thicker series of carbonates and phyllites. In both cases the carbonate - phyllite relationship appears to be in places of an interfingered nature which suggests various facies fronts. The carbonates are divisible visually into a number of limestone-dolomite units on the basis of estimated purity and fracturing or brecciation and a quesstimate of the calcium-magnesium ratio from the abundant induction coupled plasma (ICP) analyses, if that is possible. Further, it may be that the structurally prepared (increase in porosity), altered (dolomitized) and mineralized (zinc and lead) zones, generally with accompanying silicification are confined to certain zones and occurs as a result of classical replacement related to a close-at-hand

hydrothermal source, such as the locally observed Little River stocks. At any rate there appears to be a controlling influence of the proximity between the dolomite-phyllite units to the strength of mineralization, particularly zinc-lead sulphide mineralization. These relationships appear essential to seeking economic concentrations of zinc-lead (sulphides).

Structural preparation, such as folding, fracturing and faulting, is probably due to regional crustal movement and local intrusive activity which afforded the style of alteration and mineralization observed at the Grizzly Lake Zn-Pb property.

There appears to be some relationship between the phyllite-carbonate contact which under certain structural conditions affords the proper setting for hydrothermal replacement to take place in the favourably prepared siliceous dolomite breccias with possible fluid damming by the "tight", relatively impermeable phyllites.

PRESENT WORK PROGRAM

During the period August 13 to Sept. 15, 1998, the writer supervised a core drilling program on the Grizzly Lake Zn-Pb property. The fieldwork program included drilling two XRP standard diamond core drill holes (DDH 98 1and 2) using a hand held JKS - Boyles Packsack drill. Drill site preparation was also accomplished at our two priority gravity target areas, but drilling could not be undertaken due to adverse weather conditions during mid-September 1998.

Table 3

Hole No.	Grid Location	Azimath	Dip	Length m. (Ft.)
98-1	L144E-101+20N	-	-90°	23 (75)
98-2	L119E-103+20N	N020°	-60°	34 (112))
		TOTAL		57.0(187)

The drill core was logged and sampled (see Appendix I). Selected chip-grab samples were taken by the writer and sent for analyses to Acme Laboratories in Vancouver, B.C. (see Appendix II). The drill core is stored on the property.

CONCLUSIONS

The 1998 drilling program was conducted in two separate areas near two priority gravity anomalies (see Table 3). The holes were short because of the type of drill used, but valuable information was still gained from the program. For instance a northerly dip of the Zn - Pb mineralized sections is strongly suggested i.e. DDH 98-1 at L144E - 101+20N the vertical hole cut a 4 metre section of 3%+ zinc, this zone requires a drill hole down dip (northerly) to confirm the suggested mineralized trend. While DDH 98-2 at L119E -103+20N zinc (lead) mineralization was encountered over a longer intersection which was drilled at -60° (down dip?).

It is premature to conclude that the 1996 gravity survey outlined zinc - lead mineralized zones, but strong indications are there that suggest this is the case.

RECOMMENDATIONS

A continuing exploration program is recommended for the Grizzly Lake Zn-Pb property. The program will consist of continuing the drilling and if results indicate a gravity survey pattern is detecting zinc - lead rich zones then an expanded gravity survey program will be undertaken concurrently with the exploratory core drilling over other possibly anomalous areas.

This recommended program is a continuation of the initially recommended Phase I and is expected to take two months to complete at a cost of \$85,850.

COST ESTIMATE

Geology and supervision	\$ 6,000
Gravity survey - 8 km @ 25 m spacing	20,000
Scout core drilling - 260 m @ \$140/m AQ all inclusive)	36,400
Transportation - 4x4 and 4 Trac, including fuel	5,000
Camp and board - 75 mandays @ \$80/manday	6,000
Maps and reports	2,000
Insurance, WCB, licenses, fees and permits	3,000
Assays and analyses	3,000
Contingency	 <u>4,450</u>

Total \$85,850

Respectfully submitted, FESSIO

James W. McLeod, P.Geo. January 26,1999

STATEMENT OF COSTS

Camp and board, 62 mandays @\$80/manday	4,960
Transportation and fuel	1,340
Equipment rental and supplies - 4 Trac, GPS, radio phon	e, etc. 2,750
Road rehabilitation	2,100
Drilling 57 m.(187 feet) XRP standard -	
G.D. Drilling, Surrey, B.C., all inclusive	10,819
Analyses	174
Report and maps	407
TOTAL	\$25,150

CERTIFICATE

I, JAMES W. McLEOD, of the Municipality of Delta, Province of British Columbia, hereby certify as follows:

- I am a Consulting Geologist with an office at #203, 1318 56th Street, Delta, B.C.
 V4L 2A4.
- 2. I am a Professional Geoscientist registered in the Province of British Columbia and a Fellow of the Geological Association of Canada.
- 3. I graduated with a degree of Bachelor of Science, Major in Geology, from the University of British Columbia in 1969 and have practised my profession since then.
- 4. I am the President and a Director of Golden Kootenay Resources Inc. and a shareholder of Excellerated Resources Inc.
- 5. The above report is based on personal field experience gained by myself before and during the current drilling program.

DATED at Delta, Province of British Columbia this 26th day of January, 1999.

James W. McLeod, P.Geo. Consulting Geologist

REFERENCES

- B.C. Ministry of Energy, Mines and Petroleum Resources, Assessment Reports, 2366-Canex Aerial Explorations; 3477-Vanguard Explorations Ltd.; 3148-Cream Silver Mines Ltd.; 3783 and 3813-Canadian Superior Explorations Ltd.; and 9667-M.G. Larsen (also see MinFile).
- Campbell, R.B. (1978) Quesnel Lake, British Columbia, Geological Survey of Canada O.F. 574.
- Hitzman, M.W. (1992) Discovery of the Lisheen Zn-Pb-Ag Deposit, Ireland in Society of Economic Geologists Newsletter No. 9.
- Jones, Harold M. (1990) Report on the Grizzly Lake Property, Maeford Lake, Quesnel Lake area, Cariboo Mining Division, Private report for T.S.A. Explorations Ltd.
- Lormand, C. and Alford, C. (1989) Trenching Program, Grizzly Lake Property, Cariboo Mining Division, Private Report for Teck Corporation.
- Leishman, D. and Rainboth, W. (1973) Summary Report on the Gunn Option, 93A/15W for Canadian Superior Exploration.
- Manns, Francis, T. (1993) Personal Communication with J.J. McDougall, P.Eng.
- Morton, Jack A. (1993) Re-evaluation of the Geology and Zn-Pb Ore Deposits of the Metaline Mining District, Northeastern Washington in Washington Geology, Vol. 20, No. 3.
- Murrell, M. (1991) Summary Report on Grizzly Lake Project, Private Assessment Report for Teck Corporation.
- McDougall, J.J. (1992) Overview of Grizzly Lake Project Area, Private Report for Golden Kootenay Resources Inc.
- McDougall, J.J. (1992) Geological Report on Grizzly Lake Lead-Zinc Prospects, Cariboo Mining Division, British Columbia, Private Report for Golden Kootenay Resources Inc.
- McDougall, J.J. (1996) Geological Report on Grizzly Lake Lead-Zinc Prospects, Cariboo Mining Division, British Columbia, for Fairlane Transportation Inc.
- McLeod, J.W. (1993-97) BCMEMPR Assessment Reports 206699, 23191, 23995 and 25324.
- Struik, L.C. (1983) Geology, Quesnel Lake and Part of Mitchell Lake, Geological Survey of Canada O.F. 962.

APPENDIX I

Drill Core Logs, DDH 98 1-2

<u>APPENDIX I</u>

(Drill Hole Log)

Drill Hole No.: 98-1 Azimuth: None Total Depth: 23 metres Logger: J. McLeod Type: XRPLocation: L144E-101+20NDip: 90Property: Grizzly LakeArea: Cariboo, M.D.Date: Jan. 15, 1999

<u>Interval (m,)</u>	<u>Recovery (%)</u>	Description
0-4.0	50	Grey coloured, crypto- crystalline dolomite
		(limestone) breccia, sub-
		parallel to core axis (c.a.),
		1.0 cm. of I. brown mica
		and calcule tracture
4.0-12.8	15	weiging. Sa. $\underline{G.L}$. $\underline{U-4}$
10 12.0	15	L. grey coloured dolomite
		welded freetures. Most of
		welden iractures. Most of
		rounded narticles annroy
		1 cm, in diameter Sa
		G.L. 4-12.8
12.8-23.0	9.5+	Similar to above, but
		more welded "hairline"
		fractures. Sa. G.L. 12.8 -
		23.0

APPENDIX I

(Drill Hole Log)

Drill Hole No.: 98-2 Azimuth: N020° Total Depth: 34 metres Logger: J. McLeod

Type: XRP <u>Dip:</u> 60

Location: L119E-103+20N **Property:** Grizzly Lake Area: Cariboo, M.D. Date: Jan. 15, 1999

<u>Interval (m.)</u>	<u>Recovery (%)</u>	Description
0-2.5	40	Cryptocrystalline dolomite breccia with many siliceous fracture welds and generally grey colour and "hairline" fracts of graphite? Zince
		zap very positive. Sa.
2.5-3.5	65	<u>G.L.2 #1</u> . Similar dolomite breccia
		with abundant quartz-
		welds. Section is a darker grey and indurated. Some
		minor calcite welded
		fractures. Strong Zn-Zap response. Sa. G.L.2 #2.
3.5-5.5	80	Similar to above, but
		more calcite welded and
		ngnier coloured iractures. Less quartz and weaker
		Zn-Zap. Sa. <u>G.L.2#3</u> .
5.5-9.85	85+	Light grey coloured,
		cryptocrystalline
		uolomite. weaker Zn-
		Lap. 5a. <u>G.L.2 #4.</u>

9.85-12.8	80	Similar to last above, but more indurated and darker grey areas. Weak
12.8-16.65	90	Zn-Zap. Sa. <u>G.L.2 #5</u> . Similar grey dolomite, weak Zn-Zap <i>.</i> Sa.
16.65-27.4	90	<u>G.L.2 #6.</u> Darker grey
		cryptocrystalline dolomite breccia with stronger Zn-
		Zap response. Sa. <u>G.L.2</u> #7.
27.4-28.2	90+	Similar to above, but more indurated with a
		weak-mod. Zh-Zap kick. Sa. <u>G.L.2</u> #8.
28.2-31.4	75	Similar to last above, but weak Zn-Zap kick. Some
		grey streaks are present. Sa. <u>G.L.2 #9</u> .
31.4-33.95	60	Similar to above and weak - mod. Zn-Zap kick.
		Maybe visible galena? Sa.
		G.L.2 #10.

.

<u>APPENDIX II</u>

Analyses

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)

852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE

GEOCHEMICAL ANALYSIS CERTIFICATE

Omega Services Inc. File # 9804112 203 - 1318 - 56th St., Delta BC V4L 2A4 Submitted by: J. McLeod

 				· · · · · · · · · · · · · · · · · · ·								·····												
SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	v	Ca	Р	La	Cr	Mg	B
	5-1		- PPin	PPill		PPI	<u></u>	Phil	^A	Phu -	<u>hhu</u>	hhii	ppiii	ppa	ppm	ppm	ppm	ppm	74	76	ppm	ppm	×	PF
G.L. 0-4	<1	8	97	32590	<.3	<1	1	315	.28	3	<8	<2	<2	114	150.3	-3	<3	<1	17.62	.033	1	<1	9.35	3
G.L. 4-12.8	1	2	12	2597	<.3	1	1	272	.27	2	<8	<2	<2	115	20.3	<3	<3	<1	19 69	036	2	1	8 83	7
G.L. 12.8-23	1	- 3	21	410	.3	1	1	205	.34	2	<8	<2	<2	107	2.3	<3	<3	<1	18 01	010	2		8 21	7
Н.И. 27-28	- 5	-40	9	95	-4	7	10	552	5.30	<2	<8	<2	<2	30	.4	3	<3	84	2.16	067	4		1 72	
H∕H. / 31- / 3	<1	160	ব্য	123-		5	29	847	10.59	2	<8	<2	<2	30	<.2	<3	<3	354	3.11	.119	7	6	3.53	4
								-		_							-				•	Ŭ	3.55	_
41.1 7.97-9 6	1	139	- 3	54	.3	27	19	645	3.49	3	- <8	<u><2</u>	<2	764	52	<3	ß	118	9.97	.020		-16	1.51	7,
H y ft. / 94- / 97/	1	105	<3	63	<.3	<i>(</i> 0	3 0	₿6 #	5.67	-22	X	<2	K	28	L.2.	Ā	<u>k</u> 5	169	5.04	.044	1	$\boldsymbol{\mathcal{X}}$	کر کر	2
H/.H / 97/ 10/2 /	1	110	<3	61	.4,	43)k¥	558	5/02	<2/	<8	,		138	1		3	143	2.42	.04	-2	2	51	1L
RE A. Y. 97-102	1	106	<3	58	<.5	41	67.	539	4.83	_		% 2	<2	129	- <i>₹</i> .2	<3	<3	138	2.36	.641		4	223	
RRE H.H. 97-102	1	107	<3	64	<.3	40	_28_	545	4.85	<2	<8	<2	<2	129	.2	<3	<3	140	2.38	.041	Ś	11	2.45	- 4
			_		_																-	••		•
<u>A.V. 102-107</u>	2	-99	~3	59	<.3	41	27	538	4.85	<2	<8	<2	<2	183	<.2	<3	<3	111	3.22	.040	4	8	2.17	3
STANDARD C3/AU-R	25	65	35	164	6.1	36	13	791	3.59	58	27	<2	21	30	24.1	16	23	80	.56	.091	18	172	.60	14
 STANDARD G-2	1	2	3	42	<.3	7	- 4	533	2.17	<2	<8	<2	- 4	75	<.2	<3	<3	39	.62	.093	8	73	.57	22
												_						-			-			

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR AND IS DILUTED T THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMITED FOR NA K AND A ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: CORE AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM) Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 16 1998 DATE REPORT MAILED:

Sep 25/9 & SIGNED BY P. TOYE, C.

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

ACME A	ACME ANA TICAL LABORATORIES LTD.										852 E. HASTINGS ST. V. OUVER BC V6A 1R6 F													PHONE(604)253-3158 FAX(604 3-1716								
						.,			I	GEO	CHEI	MIC	AL .	ANA	LYSI	sc	ERI	IFI	CAT	E									-	λ/	A I	
	Unega Services Inc. File # 9805587 203 - 1318 - 56th St., Delta BC V4L 2A4 Submitted by: J. McLeod															ť	Ľ															
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Со ррп	Mn ppm	Fe %	As ppm	ndd D	Au ppm	ĩh ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V mqq	Ca %	P X	La ppm	Cr	Mg %	Ba ppm	Ti %	B	Al %	Na %	ĸ	W DOM	Au*	
G.L.2 #1 G.L.2 #2	1	11 49	105 291	13434 59460	<.3 <.3	2 3	2 4	887 950	.22 .40	2	<8 <8	<2 <2	2	89 85	31.5 183.4	<3 <3	<3 <3	<1 <1	18.21 16.98	.017	1	49	.45	7 -	<.01	<3	.04	.02	<.01	<2	-	
G.L.2 #3 G.L.2 #4 G.L.2 #5	2	3 3 5	23 67 1185	1692 2521 1023	<.3 <.3 .4	<1 <1 2	1 2 2	769 826 781	.15 .16 .19	2 2 <2	<8 <8 <8	<2 <2 <2	<2 <2 <2	113 110 90	5.6 8.6 3.6	<3 <3 <3	<3 <3 <3	<1 <1 <1	20.85 19.82	.011 .012 018	332	37	.78	4 •	<.01	5 <3	.02	.01	<.01 <.01	<2 <2	-	
G.L.2 #6 G.L.2 #7	1	3 10	180 4174	524 9980	<.3	1	2	793 788	. 19	2	<8	<2	- <2	97	2.7	<3	<3	<1	19.37	.019	2	48	. 47	5	<.01	<3 <3	.01	.01 •	<.01	<2 <2	-	
G.L.2 #8 G.L.2 #9	2 2 7	3317	3482 3117	10560 9000	.4	1	1	820 767	.19	4	<8 <8	<2 <2 <2	<2 <2 <2	104 104	35.8 28.3	<3 <3	<3 <3	<1 <1 <1	19.11 18.26 18.50	.023 .020 .032	2 2 2 2	68 48 38	.54 .59 .44	7 · 7 · 6 ·	<.01 <.01 <.01	<3 5 <3	.08 .05 .07	.01 • .01 .01	<.01 .01	<2 <2 <2	-	
			<u> </u>	265	.9 <.3	65	5 15	424	.34	5	<8 <8	<2 	<2 2	113	120.7	<3 <3	<3 	<1	18.63	.023	2	57	.86	35	<.01	<3	.06	.01	.01	~2	-	
	1 2 2	62 61 65	53 48 6	286 283 64	- <u>.3</u> <.3 <.3	61 60 9	16 16 17	504 -501- 638	3.69 <u>3.63</u>	216 200	×8 10		2	122	1.3	<3 <3	<3 <3	81 80	2.76	Re		<u>E</u>	-90 -99	10	.08 .09 .09	<3 3 <3	.76 .91 .90	.04 .04 .04	.16	~2 ~2 ~2	25 19 -	
	<1	65	9	58	<.3	7	16	576	4.37	269	<8	<2	4	102	6	< <u>3</u>	-3-	84	2.18	.217	17	18 1 15	.10 .99	30 30	.07 .07	<3 <3	1.04 .94	.04 .04	.14 .13	2 <2	5 5	
	2 1 25	40 60	832 38	66 <u>155</u> 44	2.0 2.9 <u>5.1</u> <.3	8 - 33 - 8	17 <u>19</u> 12 5	976 - 956 826 590	4.96 5.34 3.16 2.05	4669 6284 52 <2	<8 <8 22 9	2000	3 2 21 5	208 211 28 75	1.4 1.6 22.4 2	25 32 13	<3 <3 17	163 147 71 30	4.38 .53	.218 .220 .084	16 16 17	<u>30</u> 1 281 157	.96 .78 .60	50 <u>- 34</u> 148	.04 .05 .08	<3 <3 17	1.82 1.67 1.79	.03 .03 .04	.31 .27 .15	<2 <2 14	420 550 -	
												-			• •						<u> </u>	10	.02	240	.12	<3	.99	.07	.48			

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 HCL-HN03-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 MASSIVE SULFIDE AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: CORE AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM) Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data

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