#### ARIS SUMMARY SHEET

District Geologist, Nelson Off Confidential: 89.02.15

ASSESSMENT REPORT 17043 MINING DIVISION: Fort Steele

PROPERTY: Wait

LOCATION: LAT 49 43 00 LONG 115 48 00

UTM 11 5507601 586506

NTS 082G12W

CLAIM(S): Wait 8

OPERATOR(S): Normine Res.
AUTHOR(S): Klewchuk, P.
REPORT YEAR: 1988, 18 Pages

COMMODITIES

SEARCHED FOR: Copper, Lead, Zinc, Silver, Gold

GEOLOGICAL

SUMMARY: The underlying rocks are Precambrian Aldridge Formation meta-

morphosed fine-grained clastic sediments. Faulting is accompanied by chloritic alteration and quartz veining. Mineralization includes

pyrite, pyrrhotite, sphalerite and chalcopyrite.

WORK

DONE: Drilling

DIAD 666.0 m 2 hole(s); N(

SAMP 145 sample(s); CU, PB, ZN, AG, AU, AS

RELATED

**PEPORTS:** 16373

,	LOG NO:	0224	RD.
1	ACTION:		
-	FILE NO:		

## WAIT GROUP

## ASSESSMENT REPORT

OWNERS: VICTORIA RESOURCE CORPORATION

NORMINE RESOURCES LTD.

OPERATOR: NORMINE RESOURCES LIMITED

FILMED

# GEOLOGICAL BRANCH

#### NORMINE RESOURCES LIMITED

#### ASSESSMENT REPORT

on

DIAMOND DRILLING
WAIT MINERAL CLAIMS
FORT STEELE MINING DIVISION

NTS 82 G/12 & G/13

Latitude 49° 43' N Longitude 115° 48' W

Owners: VICTORIA RESOURCE CORPORATION
Box 9, 10th Floor
609 West Hastings Street
Vancouver, B.C.
V6B 4W4
FMC# 215623

NORMINE RESOURCES LIMITED
Box 9, 10th Floor
609 West Hastings Street
Vancouver, B.C.
V6B 4W4
FMC# 215620

Operator: NORMINE RESOURCES LIMITED
Box 9, 10th Floor
609 West Hastings Street
Vancouver, B.C.
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Author of Report: PETER KLEWCHUK

Date Submitted: February 15, 1988

## TABLE OF CONTENTS

	PAGE
Introduction	1
Index Map	2
Detailed technical Data and Interpretation	3
Drill Hole Location Map	4
Itemized Cost Statement	5
Author's Qualifications	6
Diamond Drill Hole W-87-2 Geological Log	7-8
Diamond Drill Hole W-87-4 Geological Log	9-10
Diamond Drill Hole W-87-2 Geochemical Analyses	11-13
Diamond Drill Hole W-87-4 Geochemical Analyses	14-16

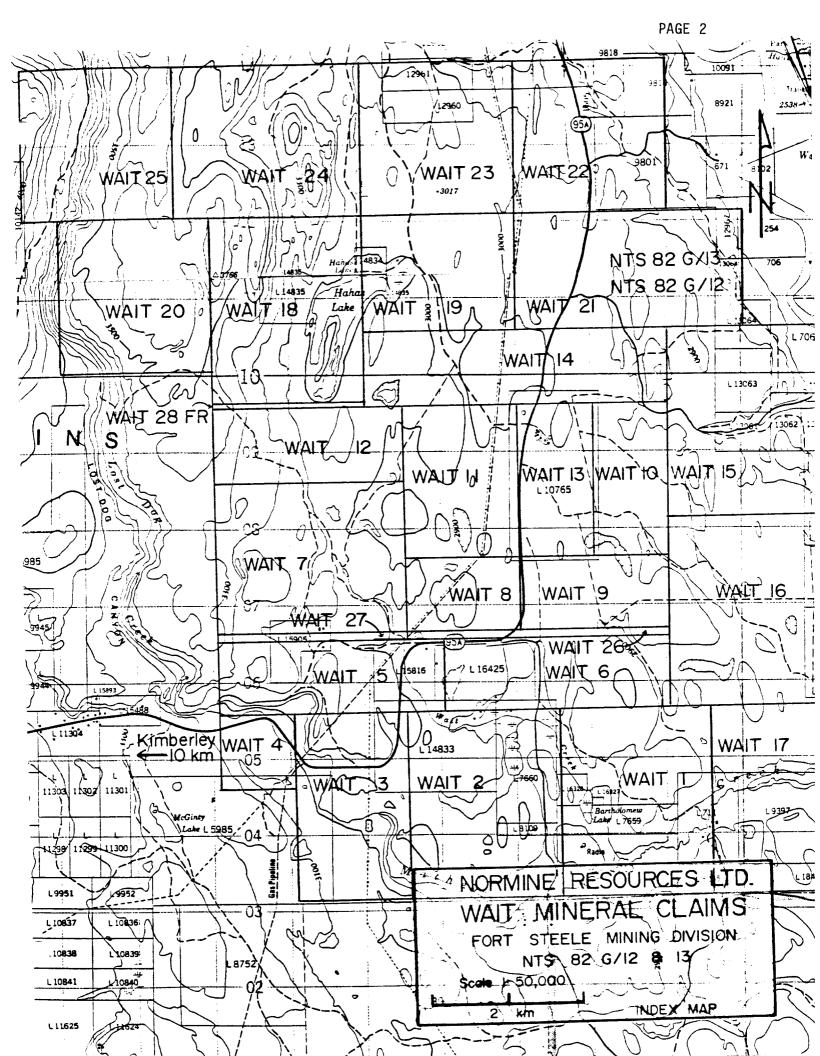
#### INTRODUCTION

- i) The WAIT mineral claims are located 9 to 17 kilometers east of Kimberley, B.C. on the western side of the Rocky Mountain Trench. The land surface in the claim area is of low rounded hills and bedrock is, for the most part, covered by a thin sheet of glacial till. Access to the claims is by road; Highway 95A and numerous secondary roads cross the claim group.
- ii) The WAIT claim group, staked in 1985, 1986 and 1987, consists of 373 claim units in 28 claims including one fraction.

Victoria Resource Corporation is the owner of WAIT mineral claims 1-17, 26 and 27; Normine Resources Limited is the owner of WAIT mineral claims 18-25 and 28 Fr.

The WAIT mineral claims are located approximately 15 kilometers east of the Sullivan orebody, a world-class Zn-Pb-Ag deposit originally consisting of about 150 million tonnes of ore. The Sullivan deposit occurs in the Proterozoic age Aldridge Formation, and most of the area of the WAIT mineral claims is underlain by this same formation. The Kimberley Fault which cuts the very northern portion of the Sullivan deposit occurs within the northern part of the WAIT claim group.

- iii) Summary of work reported on:
  Two NQ diamond drill holes, W-87-2 and W-87-4, totalling 666.0 meters in length, are being reported on. Drill hole W-87-2 is 315.5 meters in length; drill hole W-87-4 is 350.5 meters in length. Both drill holes are vertical in orientation.
- iv) Both drill holes are located on the WAIT 8 mineral claim.
- v) The core is stored on the property, on the WAIT 2 mineral claim.



#### DETAILED TECHNICAL DATA AND INTERPRETATION

## i) Purpose:

Drill hole W-87-2 was drilled to test geophysical anomalies detected by a gravity survey and an induced polarization survey. Drill hole W-87-4 was drilled to test geophysical anomalies detected by a gravity survey and a magnetometer survey.

Both holes are vertical in orientation. Drill hole W-87-2 is 315.5 meters in length; drill hole W-87-4 is 350.5 meters in length.

Both holes were drilled with NQ wireline tools, producing a hole 7.6cm in diameter.

#### ii) Results:

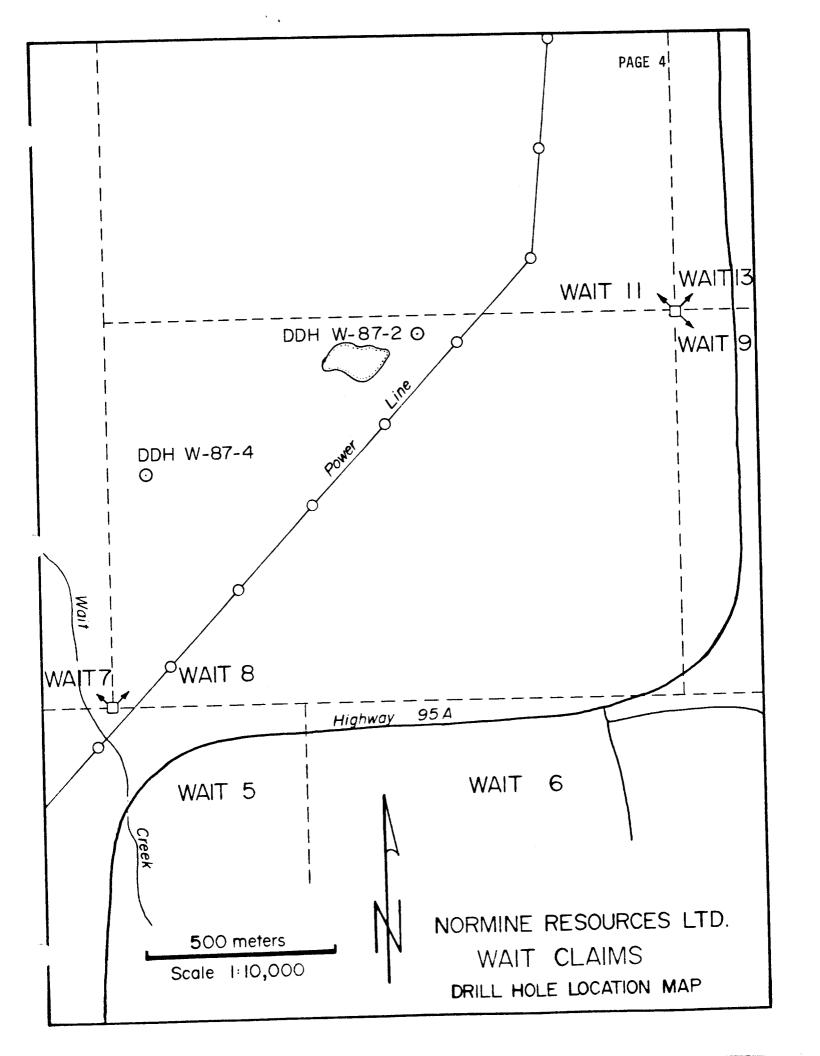
Bedrock encountered in the drill holes consists of metamorphosed fine-grained clastic sedimentary rocks including mudstones, siltstones and impure fine-grained sandstones. A number of faults with associated brecciation and localized chloritic alteration were encountered. Small amounts of disseminated, bedding-parallel and vein sulfides including pyrite, pyrrhotite, sphalerite and chalcopyrite are present in the core.

#### iii) Interpretation

The bedrock encountered by drill holes W-87-2 and W-87-4 is interpreted to be the Aldridge Formation, part of the Proterozoic age Purcell Supergroup.

#### iv) Conclusions:

Only minor concentrations of pyrite, pyrrhotite, sphalerite and chalcopyrite are present in the core of drill holes W-87-2 and W-87-4. No cause for the gravity anomalies was recognized in the core. The cause of the induced polarization anomaly may be disseminated iron sulfides which occur through much of the core of drill hole W-87-2. The cause of the magnetic anomaly was not recognized in the core of drill hole W-87-4 although the presence of disseminated pyrrhotite suggests that a larger, proximal concentration of pyrrhotite may be the cause of that anomaly.



## ITEMIZED COST STATEMENT

## Drill Hole W-87-2 and W-87-4

TOTAL COST	\$70,227.60
Bulldozer and Backhoe	2,990.00
Sampler 16 days @ \$150.00/day	2,400.00
Geologist 18 days @ \$195.00/day	3,510.00
Geochemical analyses 145 samples @ \$15.41/sample	2,235.05
Direct Drilling Costs 666.0 meters @ \$88.73/meter	\$59,092.55

Drilling Contractor:

Tonto Drilling Ltd.

200 - 3920 Norland Avenue

Burnaby, B.C.

V5G 4K7

Geochemical Analyses done by: Chemex Labs Ltd.

212 Brooksbank Avenue North Vancouver, B.C.

V7J 2C1

## AUTHOR'S QUALIFICATIONS

As author of this report I, Peter Klewchuk, certify that:

I am a graduate geologist with a BSc degree (1969) from the University of British Columbia and an MSc degree (1972) from the University of Calgary.

I have been actively involved in mining and exploration geology, primarily in the province of British Columbia, for the past 15 years.

Petr Klenke

Peter Klewchuk

Geologist

## DIAMOND DRILL GEOLOGICAL LOG

DDH W-87-2 Location: WAIT 8 MINERAL CLAIM Dip: -90 Core Size: NQ Logged by: P. Klewchuk

Meters		Description
From O	To 40.7	Overburden
40.7	54.9	Triconed in bedrock.
54.9	86.5	Argillite, minor siltstone. Thin bedded to laminated; color is greenish from chloritic alteration or rusty from oxidation of iron sulfides. Bedding is 35 to 50 degrees to core axis.
86.5	89.3	Fault zone. Broken core of green to brown laminated argillite mixed with fault gouge and breccia. Minor quartz veining with a few blebs of pyrite.
89.3	104.4	Argillite, siltstone and silty quartzite. Laminated to thin and medium bedded. Brownish limonitic staining is common. Bedding at 40 to 48 degrees to core axis.
104.4	116.4	Argillite, minor siltstone. Thin bedded to laminated. Greenish colored from chloritic alteration. A few high angle quartz-chlorite veins contain minor pyrite. A 1cm wide bedding-parallel quartz vein at 111.8m carries blebs of coarse pyrite and minor sphalerite.
116.4	117.0	Fault zone. Fault gouge and breccia in chloritic argillite. About 30cm core loss.
117.0	128.1	Argillite, minor siltstone. Thin bedded with a few laminated zones. No longer chloritic altered below fault zone. About 2% pyrite occurs in the siltstones as rounded, irregular grains. Bedding at 45 degrees.
128.1	137.4	Quartzite, siltstone and argillite. Laminated to medium thick bedded. About 1% disseminated pyrite occurs in silty quartzite beds. Pyrite also occurs in narrow veinlets. Bedding at 36 to 43 degrees.
137.4	142.0	Fault zone. Zones of fault breccia and gouge are mixed with argillite, siltstone and quartzite. Argillites are thin bedded and laminated, quartzites are medium and thick bedded. Minor core loss.
142.0	153.8	Quartzite, siltstone and argillite. Quartzites are thin to thick bedded with thin bedded to laminated siltstone

and argillite. About 1% disseminated pyrite. Bedding at

40 to 48 degrees.

## Drill Log W-87-2 p.2

		•
Mete	rs	Description
From	То	
153.8		Argillite, siltstone and quartzite. Laminated to thin bedded. 1% disseminated pyrite and a few grains of sphalerite in siltstones. Bedding 40 to 45 degrees.
171.0	175.1	Chloritic altered fault zone. Fault gouge and breccia with thin bedded to laminated siltstone, argillite and minor quartzite.
175.1	224.8	Argillite, minor siltstone. Thin bedded to laminated. 2% pyrite in veins and disseminated. Broken core with possible fault zone from 177.2 to 181.7. Bedding from 50 to 62 degrees.
224.8	227.7	Fault zone. Fault gouge with crushed argillite; chloritic fractures; quartz-carbonate veining.
227.7	259.0	Argillite, minor siltstone. Medium to dark gray, thin bedded to laminated. 2-3% pyrite as rounded blebs in siltstone beds. Bedding 50 to 80 degrees.
259.0	264.9	Quartzite, siltstone and argillite. Thin, medium and thick beds. 1.5% pyrite. A few quartz-carbonate-pyrite veins. Bedding at 71 to 74 degrees.
264.9	276.4	Siltstone and argillite. Thin bedded to laminated with 2% pyrite. A few quartz-carbonate-pyrite veins.
276.4	289.3	Quartzite, argillite and siltstone. Thick bedded to laminated. 2% disseminated pyrite. Bedding 65 degrees.
289.3	290.9	Mainly quartzite, minor argillite and siltstone.
290.9	298.3	Argillite, minor siltstone. Thin bedded and laminated. Minor disseminated pyrite, pyrrhotite and sphalerite in

298.3 315.5 Quartzite, minor siltstone. Thin to thick bedded quartzites interbedded with thin bedded to laminated siltstone. 1% pyrite with minor pyrrhotite. Bedding at 50 to 60 degrees.

siltstones. Bedding at 60 degrees.

315.5 End of hole.

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## DIAMOND DRILL GEOLOGICAL LOG

DDH W-87-4 Location: WAIT 8 MINERAL CLAIM Dip: -90 Core Size: NQ Logged by: P. Klewchuk

Mete		Description
From 0	To 36.6	Overburden
36.6	42.7	Triconed in bedrock.
42.7	51.1	Quartzite, minor siltstone and argillite. Light gray to very pale green medium and thick bedded quartzites interbedded with medium to dark gray thin bedded to laminated siltstone and argillite. 1% pyrite disseminated and in narrow veins. Bedding is 15 to 38 degrees to core axis.
51.1	53.9	Siltstone, minor argillite. Laminated and thin bedded. Minor disseminated pyrite. About 30cm core loss in a broken, rubbly zone near 51.7m. Bedding at 32 degrees.
53.9	78.6	Quartzite, minor siltstone and argillite. Core is broken but quartzites appear of medium thickness; siltstone and argillite are thin bedded. <1/2% disseminated pyrite. Minor brecciation near 67.3m with quartz-carbonate veining, minor pyrite and chalcopyrite. Minor core loss; core is quite broken.
78.6	84.4	Fault zone in siltstone. Broken core, chloritic fracture surfaces. At 86.3m a 1.5cm diameter concretion of pyrite contains coarse euhedral arsenopyrite. Bedding at 30 to 56 degrees to core axis.
84.4	118.0	Quartzite, minor siltstone and argillite. Quartzites are medium and thick bedded; siltstone and argillite are thin bedded to laminated. <1% pyrite, disseminated and on fracture surfaces. Bedding about 60 degrees.
118.0	125.1	Siltstone, minor argillite and quartzite. Laminated to thin bedded. 1.5% disseminated pyrite, mainly in siltstone. Bedding at 50 to 55 degrees.
125.1	215.2	Quartzite, minor siltstone and argillite. Quartzites are medium to thick bedded, siltstones and argillites are thin bedded and laminated. Narrow white quartz-carbonate veins are scattered through the interval, some with minor pyrite and sphalerite. About 1% disseminated pyrite is present. Bedding is from 50 to 65 degrees to the core axis.

### Drill Log W-87-4 p.2

Meters From To		Description
215.2		Siltstone, quartzite and argillite. Est. 50% thin to medium thick bands of dark gray, finely laminated siltstone, 30% medium and thick bedded quartzites and 20% thin beds of medium gray argillite. Minor pyrite is present, along with lesser pyrrhotite and a few grains of chalcopyrite associated with the pyrrhotite. Bedding is at 60 degrees.
262.9	266.0	Siltstone and argillite. Thin bedded to laminated. About 1.5% pyrite and pyrrhotite are disseminated in siltstones; a few grains of sphalerite occur in quartz-carbonate veinlets. Bedding is at 60 degrees.

- 266.0 309.0 Quartzite, minor siltstone and argillite. Medium and thick bedded quartzites interbedded with thin bedded and laminated siltstone and argillite. Minor disseminated pyrite and pyrrhotite are present, along with rare chalcopyrite and sphalerite near some grains of pyrrhotite. Bedding is at 55 to 65 degrees.
- 309.0 311.0 Siltstone, minor argillite. Laminated to thin bedded. Up to 2% disseminated pyrite and pyrrhotite with rare sphalerite are present. In a few places pyrite forms nearly continuous laminations. Bedding at 64 degrees.
- 311.0 350.5 Quartzite, minor siltstone and argillite. Medium and thick bedded light gray quartzites interbedded with narrow zones of thin bedded and laminated siltstone and argillite. About 1% disseminated iron sulfides; pyrrhotite>pyrite. Very minor chalcopyrite and sphalerite are locally present. Bedding is at 60 to 75 degrees to core axis..
  - 350.5 End of Hole.

Peta Klinks

Analyzed by: Chemex Labs Ltd.

212 Brooksbank Avenue North Vancouver, B.C. V7J 2C1

Sample Interval Meters	ANALYSIS PPM					PPB
TIC CCL 5	Cu	Pb	Zn	As	<b>A</b> g	Au
54.9 - 59.6	<b>2</b> 9	20	72	10	<0.2	
59.6 - 62.6	30	12	108	25	<0.2	
62.6 - 66.7	30	22	90	10	<0.2	
66.7 - 70.6	27	12	82	15	<0.2	
70.6 - 74.7	23	18	9 4	<5	<0.2	
74.7 - 78.8	32	24	102	5	<0.2	
78.8 - 83.0	25	20	98	<5	<0.2	
83.0 - 86.5	39	10	54	10	<0.2	
86.5 - 89.3	28	16	62	5	<0.2	
89.3 - 93.8	49	18	64	15	<0.2	
93.8 - 98.3	24	22	96	10	<0.2	
98.3 - 101.4	30	16	66	15	0.2	
101.4 - 104.4	24	20	118	10	<0.2	
104.4 - 107.7	17	22	88	10	<0.2	
107.7 - 111.0	45	16	126	<5	<0.2	
111.0 - 113.2	42	6	64	10	<0.2	
113.2 - 116.4	42	10	86	<5	<0.2	-
116.4 - 117.0	30	16	480	15	<0.2	<5
117.0 - 120.7	37	14	<b>7</b> 0	<5	0.2	
120.7 - 124.4	33	14	64	5	0.2	-
124.4 - 128.1	29	16	66	5	<0.2	
128.1 - 132.7	30	10	60	5	0.2	
132.7 - 137.4	29	12	34	10	<0.2	
137.4 - 142.0	25	10	14	<5	<0.2	<5
142.0 - 144.6	32	12	38	10	<0.2	
144.6 - 149.3	18	14	44	<5	<0.2	
149.3 - 153.8	20	12	88	10	<0.2	
153.8 - 158.0	31	12	54	5	<0.2	
158.0 - 162.2	22	22	68	5	<0.2	
162.2 - 166.5	25	22	78	<5	<0.2	

Sample Interval	ANALYSIS PPM					PPB
Meters	Cu	Pb	Zn	As	Ag	Au
166.5 - 171.0 171.0 - 173.0 173.0 - 175.1 175.1 - 177.8 177.8 - 181.7	26 26 18 48 28	26 38 16 18 12	70 134 122 104 88	10 5 10 <5 <5	<0.2 <0.2 <0.2 <0.2 <0.2	<5 <5 
181.7 - 186.2 186.2 - 190.8 190.8 - 195.1 195.1 - 198.2 198.2 - 199.6	26 36 36 37 34	16 24 24 54 82	76 78 78 114 158	15 <5 <5 <5 <5	<0.4 0.2 0.2 0.2 0.2 <0.2	
199.6 - 204.3 204.3 - 208.9 208.9 - 213.5 213.5 - 218.0 218.0 - 221.3	36 28 41 34 43	30 18 22 20 22	102 88 74 102 86	10 5 5 <5 5	<0.2 <0.2 <0.2 <0.2 <0.2	
221.3 - 224.8 224.8 - 227.7 227.7 - 232.2 232.2 - 236.7 236.7 - 241.2	28 15 32 36 38	8 4 16 26 20	86 6 52 84 70	<5 <5 10 5	0.2 0.2 <0.2 <0.2 <0.2	<5   <5
241.2 - 245.7 245.7 - 250.1 250.1 - 254.5 254.5 - 259.0 259.0 - 262.0	34 34 41 50 28	38 22 16 24 12	112 62 84 92 88	<5 10 5 5	<0.2 <0.2 0.2 <0.2 <0.2	<5 <5 <5 <5 <5
262.0 - 264.9 264.9 - 268.9 268.9 - 272.8 272.8 - 276.4 276.4 - 279.6	30 39 36 31 17	22 18 22 22 18	76 82 88 84 64	5 5 <5 <5 <5	<0.2 <0.2 <0.2 <0.2 <0.2	<5 <5 <5 <5 <5
279.6 - 282.8 282.8 - 286.8 286.8 - 289.3 289.3 - 290.9 290.9 - 293.0	23 27 39 11 28	22 22 16 30 22	78 70 74 52 68	5 10 <5 5 <5	<0.2 <0.2 <0.2 <0.2 <0.2	<5 <5 <5 <5 <5

PAGE 13
ICP GEOCHEMICAL ANALYSIS OF DRILL CORE

Sample Interval Meters		ANAL	ANALYSIS PPM			
meters	Cu	Рb	Zn	As	Ag	Au
293.0 - 295.6 295.6 - 298.3 298.3 - 302.6 302.6 - 306.9 306.9 - 311.4	36 67 19 19 20	18 28 18 18	120 138 37 37 65	<5 <5 <5 <5 <5	<0.2 <0.2 <0.2 <0.2 <0.2	<5   
311.4 - 315.5	49	24	53	<5	<0.2	

Analyzed by: Chemex Labs Ltd. 212 Brooksbank Avenue

North Vancouver, B.C.

V7J 2C1

Sample Interval Meters		ANA	LYSIS PP	м		PPB
Meters	Cu	Pb	Zn	As	Ag	Au
42.7 - 47.0	24	24	58	5	<0.2	
47.0 - 51.1	18	20	59	5	<0.2	
51.1 - 53.9	33	20	51	<5	<0.2	
53.9 - 57.9	19	20	57	<5 1.0	<0.2	
57.9 - 62.0	14	12	39	10	<0.2	
62.0 - 66.1	14	12	41	<5	<0.2	
66.1 - 70.2	11	14	19	5	<0.2	
70.2 - 74.6	8	12	15	10	<0.2	
74.6 - 78.6	9	10	27	5	<0.2	
78.6 - 81.5	27	12	38	15	0.2	
81.5 - 84.4	35	6	28	75	<0.2	
84.4 - 88.6	17	14	65	<5	<0.2	
88.6 - 93.6	11	12	40	10	<0.2	
93.6 - 97.2	15	12	30	15	<0.2	
97.2 - 102.4	22	20	34	<5	<0.2	
102.4 - 107.0	13	14	40	10	<0.2	
107.0 - 111.5	18	24	56	5	<0.2	
111.5 - 114.0	6	10	24	<5	<0.2	
114.0 - 118.0	12	18	38	5	<0.2	
118.0 - 121.5	32	16	51	<5	<0.2	
121.5 - 125.1	31	20	71	<5	<0.2	
125.1 - 129.7	12	14	50	<5	<0.2	
129.7 - 134.3	11	14	23	5	<0.2	
134.3 - 137.7	15	14	20	<5	<0.2	
137.7 - 140.3	24	10	53	<5	<0.2	
140.3 - 144.8	13	16	60	<5	<0.2	
144.8 - 149.3	27	18	80	5	<0.2	
149.3 - 153.7	19	18	48	15	<0.2	
153.7 - 158.2	14	24	43	5	<0.2	
158.2 - 162.6	12	14	34	<5	<0.2	

Sample Interval Meters	ANALYSIS PPM					PPB
	Cu	Pb	Zn	As	Ag	Au
162.6 - 166.6 166.6 - 171.0 171.0 - 175.3 175.3 - 179.5 179.5 - 183.8	19 11 13 17 16	16 16 20 18 16	41 34 38 40 44	5 <5 <5 10 <5	<0.2 <0.2 <0.2 <0.2 <0.2	 
183.8 - 188.8 188.8 - 190.3 190.3 - 194.8 194.8 - 199.3 199.3 - 203.8	37 37 16 23 14	18 18 8 22 20	48 56 44 63 44	5 5 5 <5 5	<0.2 <0.2 <0.2 <0.2 <0.2	  
203.8 - 208.3 208.3 - 212.8 212.8 - 217.3 217.3 - 221.8 221.8 - 226.3	28 10 24 28 35	18 14 16 10 20	70 36 62 76 88	<5 <5 5 <5 <5	<0.2 <0.2 <0.2 0.2 <0.2	
226.3 - 230.8 230.8 - 235.3 235.3 - 239.8 239.8 - 244.3 244.3 - 248.8	33 35 31 29 24	10 16 24 18 12	91 86 97 73 83	<5 <5 <5 5	<0.2 <0.2 <0.2 <0.2 <0.2	
248.8 - 253.3 253.3 - 257.8 257.8 - 261.9 261.9 - 266.0 266.0 - 270.3	36 30 26 36 19	22 22 24 18 10	86 77 83 102 53	10 <5 20 <5 10	<0.2 <0.2 <0.2 <0.2 <0.2	  
270.3 - 273.6 273.6 - 277.9 277.9 - 282.2 282.2 - 286.5 286.5 - 290.8	19 14 15 15	16 22 22 34 16	60 44 44 28 43	15 <5 5 5	<0.2 <0.2 <0.2 <0.2 <0.2	  
290.8 - 295.1 295.1 - 299.4 299.4 - 303.7 303.7 - 307.9 307.9 - 311.0	26 20 16 16 26	22 18 12 14 24	66 63 32 50 80	<5 <5 5 10 <5	<0.2 <0.2 <0.2 <0.2 <0.2	  

PAGE 16

Sample Interval Meters	ANALYSIS PPM					PPB
	Cu	Pb	Zn	As	Ag	Au
311.0 - 315.5	14	18	44	5	<0.2	
315.5 - 320.0	16	24	52	5	<0.2	
320.0 - 324.5	17	22	49	<5	<0.2	
324.5 - 329.0	12	18	88	<5	0.2	
329.0 - 333.5	27	20	63	<5	0.2	
333.5 - 337.6	37	22	89	5	0.2	
337.7 - 341.7	10	10	30	<b>&lt;</b> 5	<0.2	
341.7 - 345.8	19	20	52	5	<0.2	
345.8 - 350.5	16	16	59	5	<0.2	