

LOG NO: 1123	RD.
ACTION:	
FILE NO:	

REPORT ON
 GEOCHEMICAL SOIL AND SILT SURVEYS
 COOLRIDGE CLAIM GROUP
 LIARD MINING DIVISION
 KLASTLINE RIVER AREA, B.C.

by
 A.I. BETMANIS, P. ENG.

Owner/Operator: Teck Corporation
 Claims: Cool #5245 (10 units)
 Ridge #5246 (12 units)
 NTS: 104 G/16
 Longitude: 130° 15½'W
 Latitude: 57° 48½'N

November 17, 1989
 Vancouver, B.C. GEOLOGICAL BRANCH
 ASSESSMENT REPORT

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INTRODUCTION

The Coolridge Group of mineral claims, located between the Coolridge and Castle Rock Mountains in the Klastline River area, northwestern B.C., were staked in August 1988 to acquire and explore open ground lying between two claim blocks held by Teck Corporation and undergoing moderately successful exploration programs. The Coolridge Group is contiguous with the adjoining claims.

The Coolridge claims are covered by recent sand, gravel, and colluvium deposits. The Teck owned properties to the east and west are underlain by Upper Triassic volcanics and sediments, and subvolcanic intrusions, in which structurally controlled zones of mineralization with significant gold, silver, and associated base metals occur.

In October 1989 a program of silt sampling and soil sampling on a wide spread grid was initiated as a first evaluation of the property. The program was aborted before completion following a grizzly bear attack. However, sufficient geochemical work was done to indicate that, although scattered gold values in soils occur on the property, the extent of overburden cover prevents effective exploration by soil geochemistry. The property should be explored by geophysical methods which have proven successful on adjoining claims.

LOCATION, ACCESS AND PHYSIOGRAPHY

The Coolridge Group is located in the gentle valley east of Coolridge Mountain and southwest of Castle Rock, approximately 16 kilometres northwest of the north end of Kinaskan Lake and 17 kilometres west of Iskut, in the Liard Mining Division, B.C. The property is centred near latitude $57^{\circ} 48\frac{1}{2}'N$ and longitude $130^{\circ} 15\frac{1}{2}'W$. The property straddles the boundary between map sheets 104 G/16E and W, with the LCP lying in 104 G/16W.

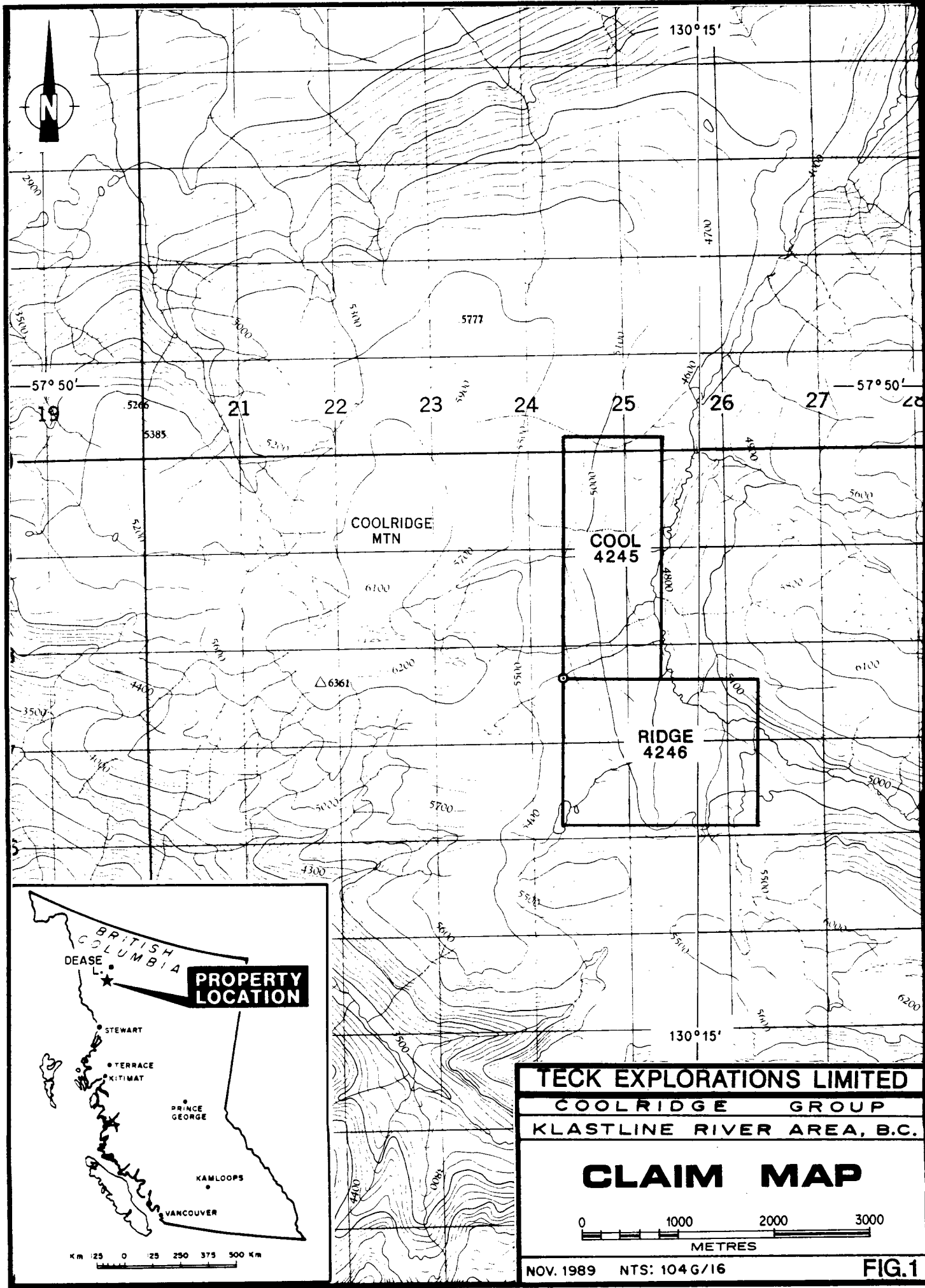
Access to the property is by helicopter from Dease Lake, a flying distance of 70 kilometres. Occasionally helicopters are based in the Iskut area. Several natural helicopter landing sites are located on the property.

Elevations on the property range between 1440 and 1620 metres. Slopes are gentle and topography subdued. The main creek, a tributary of Klastline River, meanders northerly through the property. Vegetation is sparse low subalpine scrub and buck brush. The property generally is snow covered from the end of October to mid-May.

CLAIMS AND OWNERSHIP

The claims comprising the Coolridge Group are listed below and shown in Figure 1.

<u>Claim</u>	<u>Units</u>	<u>Record Number</u>	<u>Expiry Date *</u>
Cool	10	5245	30 August 1992
Ridge	12	5246	30 August 1992



2000

130° 15'

4700

57° 50'

19

5266

21

22

23

24

25

26

27

28

5385

5377

5777

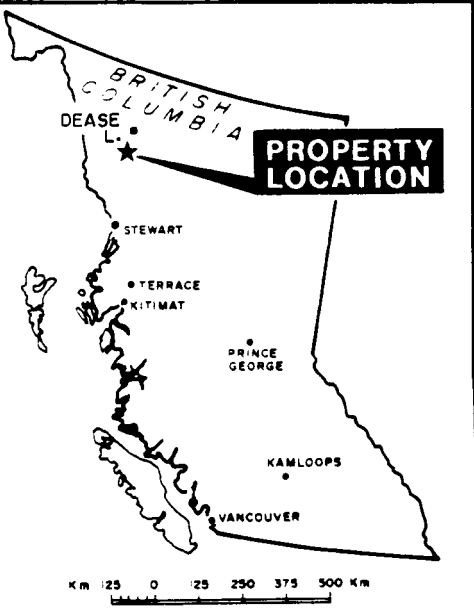
COOLRIDGE
MTN

COOL
4245

RIDGE
4246

△ 6361

130° 15'



TECK EXPLORATIONS LIMITED
COOLRIDGE GROUP
KLASTLINE RIVER AREA, B.C.

CLAIM MAP



NOV. 1989 NTS: 104 G/16

FIG. 1

* Upon acceptance of recorded work

The claims adjoin and are contiguous with the Quash Creek groups of claims located to the west and the Castle Group of claims located to the east. Teck Corporation is the recorded owner of the Coolridge claims.

GENERAL GEOLOGY

The area of the Coolridge Group is included in regional mapping done by J.G. Souther (GSC Paper 71-44). Souther shows the claim area to be covered by recent sand, gravel and colluvial deposits. The area to the west is mainly undifferentiated Upper Triassic volcanics and sediments. The area to the east is predominantly the same Upper Triassic rocks but partly covered by Recent olivine basalts. Geological mapping by Teck on the Castle property to the east indicates that the Upper Triassic rocks are andesites and pyroclastics overlying slightly older siltstones and other fine grained sediments. Both units are intruded by subvolcanic felsite and quartz-feldspar porphyry dykes. The bordering lithologies presumably underly the Coolridge Group.

PREVIOUS WORK

There is no evidence of previous work on the Coolridge Group although considerable exploration work has been carried out on adjoining properties to the east and west.

The Quash Creek property of Teck Corporation to the west was explored in 1988 by geochemistry and hand trenching (Delaney, 1988). Locally significant gold and silver values associated with pyrite, arsenopyrite, chalcopyrite, galena, and sphalerite were uncovered in a structurally controlled zone in Upper Triassic andesites and related subvolcanic diorite.

The Castle property to the east, also held by Teck Corporation, was explored over a number of years, cumulating in a drill program in 1988 (Folk, 1987 and Delaney, 1988). A pyritic siliceous alteration zone was outlined for a distance of 2.3 kilometres with an average width of 125 metres in porphyritic volcanics. Country rocks are Upper Triassic volcanics and fine grained sediments intruded by subvolcanic felsite and quartz-feldspar porphyry dykes. In 1988 the zone was drill tested for 525 metres and encouraging gold and silver values were obtained.

The Coolridge claims lie between these two properties and probably are underlain by similar lithologies below overburden.

SUMMARY OF WORK

A temporary helicopter supported two man fly camp was established on the property. Stream silt samples were collected in Kraft wet strength gusset soil sample bags near the claim boundaries. A flagged grid was laid out with north-south lines spaced 250 metres apart and stations every 50 metres. Soil samples were collected in Kraft wet strength gusset soil sample bags at each station from a depth of approximately 20 centimetres. Before completion of the soil sampling

program it was considered prudent to discontinue the program following an unprovoked grizzly bear attack on the field crew.

All samples were partially air dried and shipped to Chemex Labs Ltd. in North Vancouver for analyses. The samples were oven dried in the laboratory and screened to minus 80 mesh. A 24 element ICP analysis was made following a perchloric-nitric-hydrofluoric acid total digestion of each sample. Samples were analysed also for silver by atomic absorption after a nitric-aqua regia digestion, and for gold by fire assay of 10 gram samples with an atomic absorption finish.

Silt sample locations and grid lines sampled are shown in Figure 2. Complete analyses are given in Appendix II.

DISCUSSION OF RESULTS

Silt samples were not anomalous except for one value of 60 ppb Au in a small discontinuous creek draining onto the property from the west.


The soil samples are not anomalous for any of the elements analysed except that there is an apparently illogical scattering of possibly anomalous gold values which cannot be correlated. The higher gold values could have been derived from transported overburden from adjoining areas, or they could be a partial indication of underlying anomalous gold on the property. The depth of overburden appears to be too great for soil geochemistry to be an effective exploration technique.

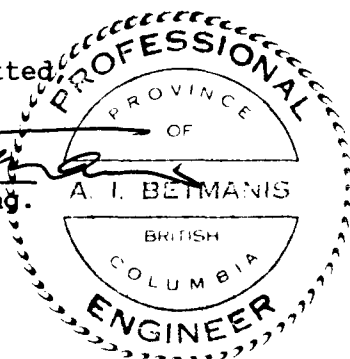
CONCLUSIONS

The geochemical sampling program carried out on the Coolridge property is inconclusive due to overburden cover.

Geophysical surveys which have proven to be useful on the adjoining Castle property should be made on the Coolridge claims to evaluate the property's potential.

Respectfully submitted,


A.I. Betmanis, P.Eng.



November 17, 1989

Vancouver, B.C.

REFERENCES

Delaney, T.M. (1988): **Diamond Drilling Report on the Castle Group of Claims, Liard Mining Division**; assessment report by Teck Explorations Ltd. dated October 28, 1988.

Delaney, T.M. (1988): **Report on Hand Trenching, Geology, and Geochemistry on the Quash Creek Property**; assessment report by Teck Explorations Ltd., dated October 28, 1988.

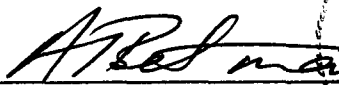
Folk, P. (1987): **Geological, Geochemical and Geophysical Report on the Castle Claim Group, Liard Mining Division**; assessment report by Teck Explorations Ltd. dated October 28, 1987.

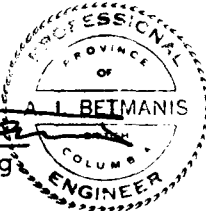
Souther, J.G. (1972): **Telegraph Creek Map Area, British Columbia**; GSC Paper 71-44.

STATEMENT OF QUALIFICATIONS

I, Andris I. Betmanis, do hereby certify that:

1. I am a geologist residing at 2600 Belloc Street, North Vancouver, B.C;
2. I am a graduate of the University of Toronto with a degree of BASc in Applied Geology (1965);
3. I am a registered member of the Association of Professional Engineers of the Province of British Columbia, registration number 8336;
4. I have practiced my profession as an exploration geologist continuously for the past 24 years as an employee of Teck Explorations Limited or associated companies in various parts of Eastern and Western Canada, Western U.S.A., and South America;
5. I have not visited the Coolridge Group but am familiar with the geology and exploration work performed by Teck Explorations Limited on the contiguous adjoining Quash Creek and Castle Claim Groups.
6. The exploration work by D. Nikirk between August 8 and 14, 1989 as described in this report was performed under my direction.


A.I. Betmanis, P. Eng



The seal is circular with a double-line border. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "COLUMBIA" at the bottom. The inner ring contains "PROVINCE OF" at the top and "BRITISH COLUMBIA" at the bottom. In the center, the name "A. I. BETMANIS" is printed.

APPENDIX I
STATEMENT OF COSTS

STATEMENT OF COSTS

Mobilization/demobilization (2½ days wages, truck rental, accommodation, fuel etc.) \$1,425.00

Labour

D. Nikirk, technician, 4 days @ \$200/day 800.00
R. Nikirk, assistant, 4 days @ \$180/day 720.00
A.I. Betmanis, geologist, supervision, ½ day @ \$250/day 125.00
\$1,645.00

Transportation

Helicopter charter, 2.4 hrs @ \$580 plus fuel \$1,603.70
Truck rental, 4 days @ \$35/day 140.00
\$1,743.70

Camp and Field Costs

Camp rental, 4 days @ \$50/day 200.00
Groceries 231.34
Fuels, sample bags, expendibles 200.00
\$631.34

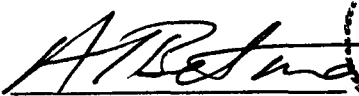
Analytical

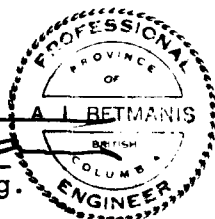
14 silt samples, prep and analyses @ \$23.50 ea. 329.00
216 soil samples, prep and analyses @ \$23.50 ea. 5,076.00
Sample shipping 85.00
\$5,490.10

Report preparation, drafting \$300.00

Total Costs \$11,235.14

The above costs exceed the initially estimated cost of \$7,520.00 as declared in the Statement of Work recorded August 25, 1989, and are costs incurred by Teck Corporation on exploration work done on the Coolridge Group of mineral claims between August 8 and 14, 1989.


A.I. Betmanis, P. Eng.



APPENDIX II
CERTIFICATES OF ANALYSES



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project: 1362

Comments: ATTN: W. MEYER CC: A. BETMANIS

Page No. : 1-A
Tot. Pages: 7
Date : 6-SEP-89
Invoice #: I-8924087
P.O. # :

CERTIFICATE OF ANALYSIS A8924087

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Mb ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)
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QR-14	201	232	< 5	< 1	< 10	122	1350	14	< 2	< 0.5	29	68	690	6.39	1160	143

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

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SAMPLE DESCRIPTION	PREP CODE		Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)			
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CERTIFICATION :

B. Langli



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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

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L250E 1600N	201 232	< 5	< 1	< 10	102	3270	18	< 2	< 0.5	15	30	280	5.79	930	79

CERTIFICATION :

B. Coughlin



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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

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CERTIFICATE OF ANALYSIS A8924087

SAMPLE DESCRIPTION	PREP CODE		Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)			
BLO+00E 0+00E	201	232	1.22	107	7.26	< 0.5	1.93	28	< 0.5	1.16	298	1.17	0.73			
BLO+00E 250E	201	232	2.66	139	8.79	< 0.5	4.21	37	< 0.5	1.75	759	2.75	1.53			
BLO+00E 500E	201	232	0.38	92	6.93	< 0.5	0.94	10	< 0.5	1.12	136	1.62	1.32			
BLO+00E 750E	201	232	0.85	95	7.55	< 0.5	0.70	26	< 0.5	1.04	92	0.87	0.67			
BLO+00E 1000E	201	232	0.56	112	7.73	< 0.5	0.98	18	< 0.5	1.12	149	1.18	0.94			
BLO+00E 1250E	201	232	1.27	130	7.39	< 0.5	1.46	13	< 0.5	1.52	254	0.87	0.60			
BLO+00E 1500E	201	232	1.95	146	8.57	< 0.5	2.51	37	< 0.5	2.05	408	1.50	0.92			
BLO+00E 1750E	201	232	0.64	138	6.14	< 0.5	1.02	16	< 0.5	1.49	166	0.62	0.45			
L250E 050N	201	232	0.93	104	5.92	< 0.5	1.13	30	< 0.5	0.84	165	0.99	0.71			
L250E 100N	201	232	0.89	104	6.69	< 0.5	1.02	25	< 0.5	0.94	103	0.92	0.65			
L250E 150N	201	232	0.44	84	4.77	< 0.5	0.68	16	< 0.5	0.73	78	0.74	0.55			
L250E 200N	201	232	0.78	104	5.31	< 0.5	1.01	28	< 0.5	0.72	130	1.04	0.83			
L250E 250N	201	232	0.64	99	5.62	< 0.5	0.74	20	< 0.5	0.85	88	1.08	0.87			
L250E 300N	201	232	0.49	93	5.30	< 0.5	0.57	15	< 0.5	0.79	69	0.90	0.72			
L250E 350N	201	232	0.86	128	6.67	< 0.5	0.69	31	< 0.5	0.80	133	1.50	1.27			
L250E 400N	201	232	0.56	83	6.32	< 0.5	0.66	22	< 0.5	0.74	81	1.26	1.04			
L250E 450N	201	232	1.37	136	8.66	< 0.5	1.40	49	< 0.5	1.09	179	1.72	1.28			
L250E 500N	201	232	0.94	114	6.85	< 0.5	1.01	23	< 0.5	0.98	124	1.21	0.91			
L250E 550N	201	232	1.55	147	7.36	< 0.5	1.08	63	< 0.5	0.73	208	1.60	1.35			
L250E 600N	201	232	0.92	95	7.23	< 0.5	1.03	24	< 0.5	0.87	132	1.42	1.09			
L250E 650N	201	232	1.80	165	7.71	< 0.5	1.15	86	< 0.5	0.61	218	1.63	1.77			
L250E 700N	201	232	0.89	101	7.11	< 0.5	0.65	30	< 0.5	0.71	100	1.28	1.03			
L250E 750N	201	232	0.85	106	7.78	< 0.5	0.93	33	< 0.5	0.77	113	1.43	1.11			
L250E 800N	201	232	0.63	114	6.86	< 0.5	0.69	30	< 0.5	0.65	118	1.51	1.31			
L250E 850N	201	232	0.74	93	6.89	< 0.5	0.78	23	< 0.5	0.68	110	1.49	1.16			
L250E 900N	201	232	0.67	103	5.25	< 0.5	1.16	25	< 0.5	0.69	139	1.10	0.82			
L250E 950N	201	232	0.66	123	5.42	< 0.5	0.83	25	< 0.5	0.74	125	1.30	1.05			
L250E 1000N	201	232	0.53	90	5.62	< 0.5	0.60	24	< 0.5	0.68	83	1.01	0.83			
L250E 1050N	201	232	0.48	126	4.84	< 0.5	0.95	19	< 0.5	0.85	129	1.23	1.00			
L250E 1100N	201	232	0.49	85	6.01	< 0.5	0.67	17	< 0.5	0.68	85	1.10	0.84			
L250E 1150N	201	232	0.83	121	7.10	< 0.5	0.61	35	< 0.5	0.61	124	1.83	1.57			
L250E 1200N	201	232	1.86	137	8.04	< 0.5	1.82	49	< 0.5	0.92	217	2.04	1.52			
L250E 1250N	201	232	1.70	146	8.00	< 0.5	1.38	57	< 0.5	0.89	194	1.82	1.49			
L250E 1300N	201	232	0.44	81	6.31	< 0.5	0.64	13	< 0.5	0.71	78	1.36	1.08			
L250E 1350N	201	232	0.56	97	6.61	< 0.5	0.65	17	< 0.5	0.82	90	1.25	0.97			
L250E 1400N	201	232	0.62	118	6.36	< 0.5	0.66	21	< 0.5	0.83	98	1.62	1.36			
L250E 1450N	201	232	0.49	93	4.49	< 0.5	0.55	19	< 0.5	0.71	81	0.89	0.76			
L250E 1500N	201	232	0.62	86	5.64	< 0.5	0.67	25	< 0.5	0.67	88	1.14	0.95			
L250E 1550N	201	232	0.72	96	6.12	< 0.5	0.63	28	< 0.5	0.72	90	1.16	0.95			
L250E 1600N	201	232	0.87	101	6.75	< 0.5	0.75	25	< 0.5	0.81	92	1.22	0.97			

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project: 1362

Comments: ATTN: W MEYER CC: A. BETMANIS

Page No.: 3-A
Tot. Pages: 7
Date: 6-SEP-89
Invoice #: I-8924087
P.O. #:

CERTIFICATE OF ANALYSIS A8924087

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Mb ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)	
L250E 1650N	201	232	< 5	< 1	< 10	118	3580	8	< 2	< 0.5	13	29	300	6.09	1105	96
L250E 1700N	201	232	< 5	< 1	< 10	116	3980	4	< 2	< 0.5	13	25	300	5.77	1240	79
L250E 1750N	201	232	< 5	< 1	< 10	108	5580	4	< 2	< 0.5	13	18	360	4.68	2040	63
L250E 1800N	201	232	< 5	< 1	< 10	84	4420	4	< 2	< 0.5	8	17	320	5.01	865	65
L250E 1850N	201	232	10	< 1	< 10	88	3320	4	< 2	< 0.5	14	27	290	5.52	880	76
L250E 1900N	201	232	< 5	< 2	< 10	98	4410	6	< 2	< 0.5	11	14	270	5.59	1345	77
L250E 1950N	201	232	< 5	< 1	< 10	124	2610	8	< 2	< 0.5	17	29	620	4.93	1370	69
L250E 2000N	201	232	< 5	< 1	< 10	98	3120	8	< 2	< 0.5	14	30	310	5.58	1005	74
L250E 2050N	201	232	< 5	< 1	< 10	128	2710	4	< 2	< 0.5	21	41	280	6.31	1130	94
L250E 2100N	201	232	5	< 1	< 10	164	1740	12	< 2	< 0.5	25	47	650	6.28	1365	86
L250E 2150N	201	232	< 5	< 2	< 10	130	2340	8	< 2	< 0.5	13	25	450	5.14	1005	83
L250E 2200N	201	232	< 5	< 2	< 10	120	3480	8	< 2	< 0.5	8	16	470	5.57	1005	88
L250E 2250N	201	232	< 5	< 1	< 10	112	3740	8	< 2	< 0.5	9	21	470	5.53	915	75
L250E 2300N	201	232	< 5	< 1	< 10	110	3530	8	< 2	< 0.5	14	25	390	6.39	1110	100
L250E 2350N	201	232	30	< 1	< 10	132	2010	18	< 2	< 0.5	13	24	580	5.00	990	80
L250E 2400N	201	232	10	< 1	< 10	102	2950	6	< 2	< 0.5	12	25	290	5.99	750	91
L250E 2450N	201	232	20	< 1	< 10	86	3500	8	< 2	< 0.5	7	16	230	5.33	560	82
L250E 2500N	201	232	< 5	< 1	< 10	98	2240	8	< 2	< 0.5	12	19	360	5.44	945	68
L250E 2550N	201	232	< 5	< 1	< 10	140	3080	8	< 2	< 0.5	10	25	350	7.11	1070	105
L250E 2600N	201	232	< 5	< 1	< 10	86	4610	6	< 2	< 0.5	9	17	240	4.96	835	72
L250E 2650N	201	232	< 5	< 1	< 10	120	2340	8	< 2	< 0.5	20	45	360	5.92	1010	85
L250E 2700N	201	232	< 5	< 1	< 10	118	3240	4	< 2	< 0.5	17	35	250	6.57	905	111
L250E 2750N	201	232	< 5	< 1	< 10	122	3650	8	< 2	< 0.5	7	17	270	5.32	420	79
L250E 2800N	201	232	< 5	< 1	< 10	136	3380	8	< 2	< 0.5	16	30	300	4.66	1760	67
L250E 2850N	201	232	< 5	< 1	< 10	124	2820	6	< 2	< 0.5	16	31	240	6.40	1010	99
L250E 2900N	201	232	< 5	< 1	< 10	120	2980	8	< 2	< 0.5	12	23	260	6.25	1095	98
L250E 2950N	201	232	< 5	< 1	< 10	106	2330	4	< 2	< 0.5	17	37	200	5.08	640	91
L250E 3000N	201	232	< 5	< 1	< 10	112	2280	10	< 2	< 0.5	14	33	290	6.15	705	111
L250E 3050N	201	232	< 10	< 1	< 10	136	1710	6	< 2	< 0.5	28	67	420	6.65	1110	141
L250E 3100N	201	232	< 5	< 1	< 10	92	4440	4	< 2	< 0.5	11	19	260	4.67	780	72
L250E 3150N	201	232	30	< 1	< 10	126	2450	12	< 2	< 0.5	10	21	360	6.01	740	102
L250E 3200N	201	232	10	< 1	< 10	122	2470	6	< 2	< 0.5	15	29	270	6.21	1205	112
L250E 3250N	201	232	< 5	< 1	< 10	124	1370	2	< 2	< 0.5	32	71	370	6.17	1045	146
L250E 3300N	201	232	< 5	< 1	< 10	140	2350	6	< 2	< 0.5	20	33	480	5.71	980	94
L250E 3350N	201	232	< 10	< 1	< 10	110	3460	4	< 2	0.5	11	23	560	3.23	750	38
L250E 3400N	201	232	< 5	< 1	< 10	60	4460	< 2	< 2	< 0.5	36	15	380	17.55	3620	26
L250E 3450N	201	232	< 5	< 1	< 10	110	2090	6	< 2	< 0.5	18	38	350	6.18	585	92
L250E 3500N	201	232	< 5	< 1	< 10	162	2830	6	< 2	< 0.5	22	54	360	7.77	955	109
L250E 3550N	201	232	< 5	< 1	< 10	116	2180	12	< 2	< 0.5	15	23	430	5.35	480	107
L250E 3600N	201	232	< 5	< 1	< 10	138	2320	8	< 2	< 0.5	25	49	330	6.54	765	116

CERTIFICATION :

B. Cough



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SAMPLE DESCRIPTION	PREP CODE	Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)			
L250E 1650N	201 232	0.86	117	5.97	0.5	0.79	21	< 0.5	0.93	98	1.17	0.97			
L250E 1700N	201 232	0.71	104	5.73	1.0	0.59	21	< 0.5	0.79	84	1.16	0.99			
L250E 1750N	201 232	0.52	81	4.37	0.5	0.88	18	< 0.5	0.63	97	0.81	0.69			
L250E 1800N	201 232	0.46	83	5.27	0.5	0.63	18	< 0.5	0.70	81	1.07	0.89			
L250E 1850N	201 232	0.80	96	6.55	0.5	0.71	25	< 0.5	0.78	92	1.15	0.92			
L250E 1900N	201 232	0.44	96	5.50	< 0.5	0.47	16	< 0.5	0.84	69	1.19	1.01			
L250E 1950N	201 232	0.85	111	6.71	< 0.5	0.78	35	< 0.5	0.64	116	1.17	1.17			
L250E 2000N	201 232	0.75	99	6.76	0.5	0.64	26	< 0.5	0.74	77	1.02	0.90			
L250E 2050N	201 232	1.12	105	8.06	1.5	0.89	31	< 0.5	0.86	88	1.27	1.00			
L250E 2100N	201 232	1.47	169	7.97	< 0.5	1.14	52	< 0.5	0.74	165	1.58	1.73			
L250E 2150N	201 232	0.71	117	6.62	< 0.5	0.74	26	< 0.5	0.75	116	1.20	1.12			
L250E 2200N	201 232	0.49	102	5.63	< 0.5	1.01	11	< 0.5	0.89	120	1.26	1.09			
L250E 2250N	201 232	0.51	87	6.28	< 0.5	0.89	17	< 0.5	0.79	99	1.22	0.98			
L250E 2300N	201 232	0.74	117	6.29	< 0.5	0.74	17	< 0.5	0.94	91	1.16	1.01			
L250E 2350N	201 232	0.77	122	6.70	< 0.5	0.72	25	< 0.5	0.72	160	1.41	1.32			
L250E 2400N	201 232	0.61	104	7.24	< 0.5	0.68	20	< 0.5	0.86	91	1.18	0.92			
L250E 2450N	201 232	0.46	92	6.34	< 0.5	0.52	16	< 0.5	0.84	63	1.03	0.85			
L250E 2500N	201 232	0.74	128	6.41	< 0.5	0.53	22	< 0.5	0.72	112	1.41	1.21			
L250E 2550N	201 232	0.64	127	6.36	< 0.5	0.73	17	< 0.5	1.06	100	1.41	1.22			
L250E 2600N	201 232	0.41	86	5.54	< 0.5	0.53	15	< 0.5	0.69	67	0.88	0.72			
L250E 2650N	201 232	0.99	119	7.15	1.0	0.58	36	< 0.5	0.80	97	1.18	1.00			
L250E 2700N	201 232	0.87	106	7.65	2.0	1.05	31	< 0.5	0.90	99	1.09	0.84			
L250E 2750N	201 232	0.43	92	6.11	1.0	0.61	12	< 0.5	0.85	78	1.18	1.00			
L250E 2800N	201 232	0.51	98	6.47	1.5	2.01	30	< 0.5	0.64	140	1.17	0.98			
L250E 2850N	201 232	0.85	110	7.22	2.0	1.00	10	< 0.5	0.98	89	1.19	0.93			
L250E 2900N	201 232	0.59	112	7.21	1.5	0.82	12	< 0.5	0.98	82	1.24	1.00			
L250E 2950N	201 232	0.92	80	7.04	1.5	0.93	17	< 0.5	0.68	77	0.80	0.55			
L250E 3000N	201 232	0.78	108	7.80	3.5	0.86	21	< 0.5	0.94	98	1.37	1.05			
L250E 3050N	201 232	1.86	147	7.64	3.0	1.59	38	< 0.5	0.95	169	1.61	1.24			
L250E 3100N	201 232	0.45	82	5.90	1.0	0.78	17	< 0.5	0.71	87	0.90	0.69			
L250E 3150N	201 232	0.62	130	6.63	1.0	0.71	14	< 0.5	1.07	110	1.61	1.34			
L250E 3200N	201 232	0.80	108	6.99	2.5	0.91	9	< 0.5	0.97	87	1.38	1.09			
L250E 3250N	201 232	2.37	104	8.79	2.5	3.46	41	< 0.5	1.03	333	2.66	1.67			
L250E 3300N	201 232	0.94	133	7.59	1.5	1.18	19	< 0.5	0.89	148	1.57	1.26			
L250E 3350N	201 232	0.47	72	3.79	< 0.5	1.93	34	< 0.5	0.42	137	0.59	0.55			
L250E 3400N	201 232	0.22	317	2.48	3.5	1.53	65	< 1.0	0.17	94	0.22	0.17			
L250E 3450N	201 232	0.72	102	8.15	2.5	0.99	26	< 0.5	0.87	102	1.26	1.00			
L250E 3500N	201 232	1.31	137	8.18	2.0	0.76	25	< 0.5	1.01	120	1.53	1.24			
L250E 3550N	201 232	0.63	134	6.25	0.5	0.65	15	< 0.5	1.12	126	1.76	1.50			
L250E 3600N	201 232	1.24	104	7.22	2.0	1.17	18	< 0.5	0.96	133	1.35	1.06			

CERTIFICATION :

B. Conklin



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212 BROOKSBANK AVE., NORTH VANCOUVER,
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SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Mb ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)
L250E 3650N	201	232	< 5	< 1	< 10	272	3750	8	< 2	< 0.5	28	46	550	6.51	1190	106
L250E 3700N	201	232	< 5	< 1	< 10	170	3650	10	< 2	< 0.5	19	33	710	5.61	740	78
L250E 3750N	201	232	< 5	< 1	< 10	110	3170	8	< 2	< 0.5	21	33	600	5.96	815	80
L250E 3800N	201	232	< 10	< 1	< 10	126	2250	4	< 2	< 0.5	28	44	290	6.64	865	104
L250E 3850N	201	232	< 5	< 1	< 10	146	2290	10	< 2	< 0.5	23	48	810	5.63	855	84
L250E 3900N	201	232	< 5	< 1	< 10	174	2440	8	< 2	< 0.5	24	44	750	5.74	970	85
L250E 3950N	201	232	10	< 1	< 10	208	2220	6	< 2	< 0.5	28	41	500	6.47	935	116
L250E 4000N	201	232	20	< 1	< 10	140	2410	10	< 2	< 0.5	26	55	650	5.38	760	108
L500E 050N	201	232	10	< 1	< 10	120	2750	6	< 2	< 0.5	23	25	310	5.94	1455	79
L500E 100N	201	232	< 5	< 1	< 10	116	2690	6	< 2	< 0.5	23	33	350	5.94	775	86
L500E 150N	201	232	< 5	< 1	< 10	78	2800	6	< 2	< 0.5	15	19	240	4.81	885	74
L500E 200N	201	232	< 5	< 1	< 10	108	3090	4	< 2	< 0.5	17	24	290	5.64	930	83
L500E 250N	201	232	< 5	< 1	< 10	88	2590	6	< 2	< 0.5	19	25	250	6.31	815	89
L500E 300N	201	232	< 5	< 1	< 10	96	3030	8	< 2	< 0.5	21	25	260	6.18	1135	86
L500E 350N	201	232	< 5	< 1	< 10	78	2680	6	< 2	1.5	14	18	230	4.99	985	67
L500E 400N	201	232	< 5	2	< 10	106	5130	8	< 2	< 0.5	19	12	430	7.09	1600	72
L500E 450N	201	232	< 5	2	< 10	90	3520	8	< 2	< 0.5	14	18	200	5.23	760	91
L500E 500N	201	232	< 25	1	< 10	90	1940	8	< 2	< 0.5	18	21	260	7.18	1235	89
L500E 550N	201	232	< 5	1	< 10	100	2530	6	< 2	< 0.5	23	25	290	6.36	1000	91
L500E 600N	201	232	< 5	1	< 10	94	1940	6	< 2	10.5	36	61	440	6.71	1300	115
L500E 650N	201	232	< 5	< 1	10	100	2290	6	< 2	< 0.5	28	52	350	6.96	1290	111
L500E 700N	201	232	< 5	< 1	10	112	1540	6	< 2	< 0.5	28	31	550	7.51	1155	66
L500E 750N	201	232	< 5	< 1	10	126	1870	6	< 2	< 0.5	25	21	480	6.34	1285	58
L500E 800N	201	232	< 5	< 1	< 10	118	2020	4	< 2	< 0.5	24	26	440	5.70	1310	59
L500E 850N	201	232	< 5	< 1	< 10	168	2120	6	< 2	< 0.5	27	32	430	7.29	1445	81
L500E 900N	201	232	< 5	< 1	< 10	126	2370	6	< 2	< 0.5	22	23	410	5.66	1705	72
L500E 950N	201	232	< 5	< 1	10	140	1920	4	< 2	< 0.5	29	49	370	6.57	1395	117
L500E 1000N	201	232	< 5	< 1	10	124	1630	4	< 2	< 0.5	29	60	290	6.44	1070	139
L500E 1050N	201	232	< 5	< 1	< 10	102	3310	6	< 2	< 0.5	16	15	360	5.80	1165	74
L500E 1100N	201	232	< 5	< 1	< 10	126	2820	6	< 2	< 0.5	19	21	310	6.23	1545	82
L500E 1150N	201	232	< 5	< 1	< 10	140	2620	6	< 2	< 0.5	17	29	260	6.08	935	93
L500E 1200N	201	232	< 10	< 1	< 10	116	2720	8	< 2	< 0.5	17	17	380	5.51	1600	81
L500E 1250N	201	232	< 5	< 1	< 10	112	2760	6	< 2	< 0.5	14	18	270	5.54	895	78
L500E 1300N	201	232	< 10	< 1	< 10	112	1930	6	< 2	< 0.5	24	38	300	6.37	985	120
L500E 1350N	201	232	< 5	< 1	< 10	100	2540	6	< 2	< 0.5	21	31	290	5.53	1330	91
L500E 1400N	201	232	< 5	< 1	< 10	58	3760	< 2	< 2	< 0.5	6	11	180	1.46	615	31
L500E 1450N	201	232	< 5	2	< 10	98	4600	4	< 2	< 0.5	10	19	280	4.24	525	60
L500E 1500N	201	232	< 5	< 1	< 10	76	3270	4	< 2	< 0.5	11	18	320	4.67	695	68
L750E 100N	201	232	< 5	< 1	< 10	78	2890	4	< 2	< 0.5	20	29	280	5.65	865	78
L750E 200N	201	232	< 5	1	10	128	2700	2	< 2	< 0.5	24	38	330	7.30	890	80

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
 11TH FLOOR
 1199 W. HASTINGS STREET
 VANCOUVER, B.C.
 V6E 2K5

Project: 1362

Comments: ATTN: W. MEYER CC: A. BETMANIS

Page No.: 4-B
 Tot. Pages: 7
 Date: 6-SEP-89
 Invoice #: I-8924087
 P.O. #:

CERTIFICATE OF ANALYSIS A8924087

SAMPLE DESCRIPTION	PREP CODE	Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)			
L250E 3650N	201 232	1.17	119	7.37	< 0.5	1.98	20	< 0.5	1.05	205	1.45	1.24			
L250E 3700N	201 232	0.73	113	7.69	< 0.5	1.14	20	< 0.5	0.92	157	1.38	1.25			
L250E 3750N	201 232	0.75	113	7.38	< 0.5	1.25	36	< 0.5	0.94	149	1.13	0.99			
L250E 3800N	201 232	1.12	99	8.84	< 0.5	1.33	23	< 0.5	1.00	131	1.53	1.10			
L250E 3850N	201 232	0.88	114	8.03	0.5	1.15	30	< 0.5	0.85	181	1.48	1.23			
L250E 3900N	201 232	0.92	114	7.77	< 0.5	1.14	27	< 0.5	0.88	188	1.61	1.33			
L250E 3950N	201 232	0.93	109	7.88	< 0.5	1.56	15	< 0.5	1.02	174	1.51	1.16			
L250E 4000N	201 232	0.80	107	7.64	< 0.5	1.34	30	< 0.5	0.86	177	1.43	1.18			
L500E 050N	201 232	0.76	100	5.43	< 0.5	1.02	24	< 0.5	1.07	188	1.09	0.85			
L500E 100N	201 232	0.72	100	6.47	< 0.5	1.00	29	< 0.5	1.05	189	1.07	0.80			
L500E 150N	201 232	0.48	82	5.25	< 0.5	0.64	18	< 0.5	0.84	100	0.79	0.58			
L500E 200N	201 232	0.56	82	6.98	< 0.5	0.83	14	< 0.5	0.94	97	1.43	1.16			
L500E 250N	201 232	0.61	91	7.17	< 0.5	0.64	12	< 0.5	0.97	84	1.24	0.97			
L500E 300N	201 232	0.69	90	7.18	< 0.5	0.61	19	< 0.5	0.96	80	1.32	1.11			
L500E 350N	201 232	0.46	77	5.81	< 0.5	0.48	12	< 0.5	0.78	69	0.94	0.78			
L500E 400N	201 232	0.52	134	6.45	< 0.5	0.61	15	< 0.5	1.03	120	1.88	1.71			
L500E 450N	201 232	0.55	85	5.18	< 0.5	0.61	9	< 0.5	0.91	64	1.02	0.87			
L500E 500N	201 232	0.63	100	6.95	< 0.5	0.54	11	< 0.5	1.04	83	1.57	1.31			
L500E 550N	201 232	0.64	93	7.85	< 0.5	0.70	14	< 0.5	1.05	96	1.52	1.20			
L500E 600N	201 232	1.50	147	7.86	< 0.5	1.12	36	< 0.5	0.89	251	1.70	1.33			
L500E 650N	201 232	1.32	112	8.79	< 0.5	1.02	44	< 0.5	1.14	155	1.23	0.91			
L500E 700N	201 232	1.80	236	7.99	< 0.5	1.15	89	< 0.5	0.68	322	2.39	2.05			
L500E 750N	201 232	1.38	181	8.46	< 0.5	0.67	58	< 0.5	0.65	211	2.01	1.80			
L500E 800N	201 232	1.10	160	6.80	< 0.5	0.70	55	< 0.5	0.59	205	1.71	1.44			
L500E 850N	201 232	1.17	174	7.78	0.5	0.73	47	< 0.5	0.79	191	1.79	1.48			
L500E 900N	201 232	0.89	141	6.34	< 0.5	0.75	37	< 0.5	0.68	170	1.51	1.33			
L500E 950N	201 232	1.49	125	8.54	1.0	1.41	48	< 0.5	0.94	182	1.84	1.47			
L500E 1000N	201 232	1.54	102	8.86	1.5	1.62	46	< 0.5	0.91	160	1.92	1.40			
L500E 1050N	201 232	0.63	133	6.12	< 0.5	0.48	22	< 0.5	0.82	116	1.38	1.30			
L500E 1100N	201 232	0.74	125	6.67	1.0	0.52	25	< 0.5	0.81	115	1.32	1.13			
L500E 1150N	201 232	0.83	100	7.54	< 1.5	0.69	21	< 0.5	0.81	98	1.43	1.18			
L500E 1200N	201 232	0.62	117	6.88	< 0.5	0.58	30	< 0.5	0.87	122	1.64	1.43			
L500E 1250N	201 232	0.58	92	7.32	0.5	0.58	21	< 0.5	0.77	88	1.44	1.19			
L500E 1300N	201 232	1.06	107	8.70	< 1.0	1.25	26	< 0.5	0.98	131	1.64	1.24			
L500E 1350N	201 232	0.70	90	7.11	< 0.5	0.96	16	< 0.5	0.83	99	1.22	0.95			
L500E 1400N	201 232	0.32	39	2.31	< 0.5	2.76	29	< 0.5	0.19	145	0.36	0.30			
L500E 1450N	201 232	0.41	66	5.90	< 0.5	1.43	15	< 0.5	0.57	122	1.00	0.80			
L500E 1500N	201 232	0.49	82	5.03	< 0.5	0.66	14	< 0.5	0.72	92	1.09	0.92			
L750E 100N	201 232	0.69	86	6.73	< 0.5	0.86	22	< 0.5	0.98	119	0.97	0.75			
L750E 200N	201 232	0.94	113	7.98	< 0.5	1.74	25	< 0.5	1.26	225	1.23	0.87			

CERTIFICATION :

B. Coughlin



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To: TECK EXPLORATIONS LIMITED
11TH FLOOR
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V6E 2K5

Project: 1362

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Page No.: 5-A
Tot. Pages: 7
Date: 6-SEP-89
Invoice #: I-8924087
P.O. #:

CERTIFICATE OF ANALYSIS A8924087

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Mb ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mb ppm (ICP)	Cr ppm (ICP)
L750E 300N	201	232	< 5	< 1	< 10	88	3140	10	< 2	< 0.5	14	15	350	5.89	820	73
L750E 400N	201	232	< 5	< 1	< 10	100	1350	4	< 2	< 0.5	30	21	520	6.78	1275	41
L750E 500N	201	232	10	< 1	< 10	90	2200	4	< 2	< 0.5	25	32	400	6.71	945	77
L750E 600N	201	232	< 5	< 1	< 10	74	3950	8	< 2	< 0.5	10	12	370	4.40	515	52
L750E 700N	201	232	< 5	< 1	< 10	106	1540	4	< 2	< 0.5	30	43	450	7.56	1240	76
L750E 800N	201	232	< 5	< 1	< 10	80	2910	6	< 2	< 0.5	17	16	400	5.25	1245	61
L1250E 050N	201	232	< 5	< 1	< 10	144	2920	2	< 2	< 0.5	37	53	380	7.97	1415	113
L1250E 100N	201	232	< 5	< 1	< 10	124	2840	2	< 2	< 0.5	35	49	310	7.33	1385	106
L1250E 150N	201	232	< 5	< 1	< 10	92	2160	4	< 2	< 0.5	34	45	340	7.50	915	99
L1250E 200N	201	232	< 5	< 1	< 10	112	2130	2	< 2	< 0.5	31	37	320	6.80	1340	76
L1250E 250N	201	232	< 5	< 1	< 10	84	2620	2	< 2	< 0.5	21	29	250	5.30	890	66
L1250E 300N	201	232	< 5	< 1	< 10	94	2580	4	< 2	< 0.5	16	25	280	5.64	910	61
L1250E 350N	201	232	< 5	< 1	< 10	166	1800	< 2	< 2	< 0.5	44	80	390	7.44	1475	152
L1250E 400N	201	232	< 5	< 1	< 10	84	2390	4	< 2	< 0.5	17	24	250	6.07	885	80
L1250E 450N	201	232	< 5	1	< 10	72	1370	4	< 2	< 0.5	14	16	320	5.62	575	64
L1250E 500N	201	232	< 5	< 1	< 10	76	2660	2	< 2	< 0.5	43	48	350	8.91	1570	120
L1250E 550N	201	232	< 5	< 1	< 10	112	2720	4	< 2	< 0.5	26	31	240	6.48	1195	72
L1250E 600N	201	232	< 5	2	< 10	94	2570	8	< 2	< 0.5	16	22	290	5.96	1305	73
L1250E 650N	201	232	< 5	< 1	< 10	88	2600	2	< 2	< 0.5	19	26	300	5.88	970	73
L1250E 700N	201	232	< 5	1	< 10	88	2350	6	< 2	< 0.5	21	28	250	6.33	1295	80
L1250E 750N	201	232	< 5	< 1	< 10	92	2520	4	< 2	< 0.5	18	21	280	5.36	1210	70
L1250E 800N	201	232	< 20	< 1	< 10	104	2310	6	< 2	< 0.5	21	28	280	5.58	795	79
L1250E 850N	201	232	< 5	< 1	< 10	82	1150	6	< 2	< 0.5	12	11	360	5.90	720	74
L1250E 900N	201	232	< 5	< 1	< 10	140	1440	4	< 2	< 0.5	36	102	370	6.80	1105	191
L1250E 950N	201	232	5	< 1	< 10	138	2380	4	< 2	< 0.5	26	37	310	6.65	1100	99
L1250E 1000N	201	232	< 5	1	< 10	96	2530	4	< 2	< 0.5	22	33	240	6.28	1165	105
L1250E 1050N	201	232	< 5	< 1	< 10	112	1980	10	< 2	< 0.5	19	25	310	7.15	910	80
L1250E 1100N	201	232	< 5	< 1	< 10	114	2250	6	< 2	< 0.5	27	35	350	7.10	1230	96
L1250E 1150N	201	232	< 5	< 1	< 10	118	2260	6	< 2	< 0.5	27	39	360	7.35	1255	101
L1250E 1200N	201	232	< 5	1	< 10	68	1970	6	< 2	< 0.5	12	14	340	5.30	790	58
L1250E 1250N	201	232	< 5	< 1	< 10	102	2720	4	< 2	< 0.5	30	44	340	6.82	1215	96
L1250E 1300N	201	232	< 5	< 1	10	130	2250	4	< 2	< 0.5	36	59	540	7.53	1045	114
L1250E 1350N	201	232	10	< 1	10	132	2140	4	< 2	< 0.5	33	52	550	7.68	1005	99
L1250E 1400N	201	232	< 5	< 1	10	118	2220	6	< 2	< 0.5	39	56	520	7.60	955	107
L1250E 1450N	201	232	< 5	< 1	< 10	142	2050	6	< 2	< 0.5	30	47	500	6.77	1110	81
L1250E 1500N	201	232	< 5	< 1	< 10	76	2730	2	< 2	< 0.5	25	35	300	4.56	1905	53
L1500E 050N	201	232	< 10	< 1	< 10	114	2700	4	< 2	< 0.5	37	45	580	7.46	1495	104
L1500E 100N	201	232	< 10	< 1	< 10	80	2540	4	< 2	< 0.5	29	40	430	6.43	1530	110
L1500E 150N	201	232	< 5	< 1	< 10	82	1890	4	< 2	< 0.5	29	40	350	7.21	1070	137
L1500E 200N	201	232	< 5	< 1	< 10	132	2880	6	< 2	< 0.5	31	48	320	7.79	1705	117

CERTIFICATION :

B. Campbell



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BRITISH COLUMBIA, CANADA V7J-2C1

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To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
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Project: 1362

Comments: ATTN: W MEYER CC: A BETMANIS

Page No.: 5-B
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CERTIFICATE OF ANALYSIS A8924087

SAMPLE DESCRIPTION	PREP CODE		Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)			
L750E 300N	201	232	0.58	126	6.38	< 0.5	0.57	18	< 0.5	0.99	131	1.76	1.47			
L750E 400N	201	232	1.34	205	7.44	< 0.5	0.58	76	< 0.5	0.54	200	1.79	1.69			
L750E 500N	201	232	1.16	147	8.17	< 0.5	0.65	58	< 0.5	0.86	165	1.68	1.41			
L750E 600N	201	232	0.32	61	6.07	< 1.0	0.97	10	< 0.5	0.77	94	1.51	1.29			
L750E 700N	201	232	1.66	210	7.43	< 0.5	0.70	63	< 0.5	0.72	234	1.96	1.65			
L750E 800N	201	232	0.73	118	6.12	< 0.5	0.59	30	< 0.5	0.72	132	1.48	1.36			
L1250E 050N	201	232	1.30	125	8.55	< 0.5	1.09	36	< 0.5	1.54	168	1.28	0.92			
L1250E 100N	201	232	1.24	122	7.22	< 0.5	1.00	19	< 0.5	1.55	192	0.72	0.53			
L1250E 150N	201	232	1.06	143	7.88	< 0.5	0.73	24	< 0.5	1.50	168	0.98	0.74			
L1250E 200N	201	232	0.81	99	9.12	1.5	0.77	17	< 0.5	1.11	110	1.36	1.07			
L1250E 250N	201	232	0.69	86	6.03	0.5	0.72	16	< 0.5	0.97	111	0.91	0.74			
L1250E 300N	201	232	0.61	71	7.90	2.0	0.70	12	< 0.5	0.83	86	1.69	1.42			
L1250E 350N	201	232	2.20	121	8.99	1.0	2.30	48	< 0.5	1.20	225	2.18	1.42			
L1250E 400N	201	232	0.64	92	7.58	0.5	0.58	13	< 0.5	1.05	73	1.26	1.05			
L1250E 450N	201	232	0.45	75	7.41	0.5	0.80	6	< 0.5	0.94	94	1.82	1.49			
L1250E 500N	201	232	1.18	152	9.06	0.5	0.86	24	< 0.5	1.81	177	0.95	0.66			
L1250E 550N	201	232	0.62	91	8.62	1.5	0.56	12	< 0.5	1.01	69	1.24	0.97			
L1250E 600N	201	232	0.51	85	7.11	1.0	0.54	10	< 0.5	0.96	76	1.38	1.18			
L1250E 650N	201	232	0.61	84	7.65	1.5	0.60	14	< 0.5	0.95	78	1.29	1.02			
L1250E 700N	201	232	0.69	89	7.40	1.5	0.53	10	< 0.5	1.13	74	1.30	1.10			
L1250E 750N	201	232	0.48	94	6.44	< 0.5	0.53	13	< 0.5	0.94	81	1.09	0.93			
L1250E 800N	201	232	0.64	88	7.32	< 0.5	0.82	18	< 0.5	0.92	101	1.34	1.06			
L1250E 850N	201	232	0.32	103	6.35	< 0.5	0.68	4	< 0.5	1.09	100	1.69	1.47			
L1250E 900N	201	232	2.55	102	8.36	0.5	2.22	23	< 0.5	1.04	208	2.52	1.84			
L1250E 950N	201	232	0.85	106	8.41	2.0	1.16	36	< 0.5	1.15	147	1.64	1.28			
L1250E 1000N	201	232	0.84	102	6.82	< 0.5	0.74	18	< 0.5	1.20	96	1.10	0.85			
L1250E 1050N	201	232	0.58	104	7.59	1.0	0.57	9	< 0.5	1.16	86	1.43	1.14			
L1250E 1100N	201	232	0.87	116	7.94	0.5	0.64	19	< 0.5	1.27	101	1.43	1.15			
L1250E 1150N	201	232	0.90	122	8.10	1.0	0.61	21	< 0.5	1.34	101	1.44	1.18			
L1250E 1200N	201	232	0.33	78	6.94	0.5	0.75	6	< 0.5	0.94	94	1.65	1.38			
L1250E 1250N	201	232	1.08	103	8.60	< 1.5	1.20	21	< 0.5	1.24	172	1.36	0.98			
L1250E 1300N	201	232	2.25	167	8.64	< 0.5	2.47	51	< 0.5	1.36	419	2.44	1.83			
L1250E 1350N	201	232	1.92	179	8.62	< 0.5	2.00	59	< 0.5	1.26	413	2.31	1.88			
L1250E 1400N	201	232	2.09	186	8.00	< 0.5	2.21	67	< 0.5	1.20	389	2.01	1.75			
L1250E 1450N	201	232	1.48	152	7.95	< 0.5	1.40	49	< 0.5	1.07	288	1.84	1.51			
L1250E 1500N	201	232	0.38	66	5.90	0.5	2.52	10	< 0.5	0.79	293	0.93	0.69			
L1500E 050N	201	232	1.91	148	7.64	0.5	2.78	41	< 0.5	1.54	455	1.76	1.21			
L1500E 100N	201	232	0.97	115	7.50	1.0	1.24	34	< 0.5	1.42	185	1.29	1.00			
L1500E 150N	201	232	1.11	127	7.99	1.0	0.93	10	< 0.5	1.46	114	1.38	1.13			
L1500E 200N	201	232	1.37	133	8.43	2.0	1.04	32	< 0.5	1.49	166	1.57	1.29			

CERTIFICATION:

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project: 1362

Comments: ATTN: W. MEYER CC: A. BETMANIS

Page No.: 6-A
Tot. Pages: 7
Date: 6-SEP-89
Invoice #: I-8924087
P.O. #:

CERTIFICATE OF ANALYSIS A8924087

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Mb ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)
L1500E 250N	201	232	< 5	< 1	< 10	86	3530	8	< 2	< 0.5	16	18	250	5.50	1330	90
L1500E 300N	201	232	< 5	< 1	< 10	86	2130	4	< 2	< 0.5	16	24	240	6.16	635	80
L1500E 350N	201	232	< 5	< 1	< 10	102	2070	8	< 2	< 0.5	33	20	450	7.53	3930	111
L1500E 400N	201	232	< 5	< 1	< 10	84	2160	4	< 2	< 0.5	28	33	230	6.32	1310	82
L1500E 450N	201	232	< 5	< 1	< 10	136	1860	4	< 2	< 0.5	28	41	340	6.54	1205	91
L1500E 500N	201	232	< 5	< 1	< 10	94	2350	6	< 2	< 0.5	18	24	260	5.65	860	65
L1500E 550N	201	232	< 5	< 1	< 10	114	2410	4	< 2	< 0.5	25	32	260	5.28	1345	66
L1500E 600N	201	232	< 5	< 1	< 10	86	2570	6	< 2	< 0.5	16	21	340	5.74	1015	67
L1500E 650N	201	232	< 5	< 1	< 10	82	2490	6	< 2	< 0.5	12	16	300	5.50	895	59
L1500E 700N	201	232	< 5	< 1	< 10	112	2600	6	< 2	< 0.5	23	34	320	6.44	1075	84
L1500E 750N	201	232	< 5	< 1	< 10	88	2280	4	< 2	< 0.5	17	21	380	6.04	1135	77
L1500E 800N	201	232	< 5	< 1	< 10	74	2710	4	< 2	< 0.5	18	22	270	5.79	905	76
L1500E 850N	201	232	< 5	< 1	< 10	76	3020	2	< 2	< 0.5	24	27	260	5.86	1240	80
L1500E 900N	201	232	< 5	< 2	< 10	70	2940	4	< 2	< 0.5	22	26	300	6.27	1120	86
L1500E 950N	201	232	< 5	< 1	< 10	70	2500	4	< 2	< 0.5	21	23	330	5.71	1260	72
L1500E 1000N	201	232	< 5	< 1	< 10	148	1920	2	< 2	< 0.5	38	78	390	7.43	1290	156
L1500E 1050N	201	232	< 5	< 1	< 10	156	1910	2	< 2	< 0.5	39	88	390	7.12	1140	162
L1500E 1100N	201	232	< 5	< 1	< 10	102	2900	2	< 2	< 0.5	19	31	250	5.53	830	78
L1500E 1150N	201	232	< 5	< 1	< 10	116	2640	2	< 2	< 0.5	32	50	410	6.93	1185	100
L1500E 1200N	201	232	< 5	< 1	< 10	112	2930	4	< 2	< 0.5	26	33	300	6.34	1395	83
L1500E 1250N	201	232	< 5	< 1	10	102	2590	4	< 2	< 0.5	32	40	380	7.13	1400	93
L1500E 1300N	201	232	< 5	< 1	10	96	2010	6	< 2	< 0.5	37	24	300	7.71	1885	101
L1500E 1350N	201	232	< 5	< 1	10	90	2280	6	< 2	< 0.5	32	34	360	7.77	1385	100
L1500E 1400N	201	232	10	< 1	10	126	2300	6	< 2	< 0.5	35	44	260	6.82	1935	104
L1500E 1450N	201	232	45	< 1	10	132	2160	4	< 2	< 0.5	39	59	290	6.84	1890	124
L1500E 1500N	201	232	< 5	< 1	< 10	108	2920	4	< 2	< 0.5	24	34	210	6.99	1885	98
L1750E 050N	201	232	< 5	< 1	20	122	1810	4	< 2	< 0.5	31	49	560	6.94	935	92
L1750E 100N	201	232	< 5	< 1	10	102	2530	4	< 2	< 0.5	32	41	320	6.37	1180	101
L1750E 150N	201	232	< 5	< 1	10	250	2970	4	< 2	< 0.5	41	56	350	7.62	1360	123
L1750E 200N	201	232	5	< 1	10	138	2810	2	< 2	< 0.5	38	45	290	6.70	1265	107
L1750E 250N	201	232	< 5	< 1	10	92	1930	4	< 2	< 0.5	16	25	400	6.37	640	97
L1750E 300N	201	232	< 5	< 1	10	92	2740	2	< 2	< 0.5	30	37	280	6.53	1420	93
L1750E 350N	201	232	< 5	< 1	10	112	3100	2	< 2	< 0.5	20	33	250	6.96	1070	98
L1750E 400N	201	232	75	< 1	10	78	3050	4	< 2	< 0.5	33	39	390	7.30	1140	107
L1750E 450N	201	232	< 5	< 1	10	124	2870	2	< 2	< 0.5	31	36	380	6.92	1405	88
L1750E 500N	201	232	< 5	< 1	< 20	92	2350	4	< 2	< 0.5	30	42	260	7.85	1185	115
L1750E 550N	201	232	< 5	< 1	< 10	80	3230	2	< 2	< 0.5	29	29	260	6.24	1885	84
L1750E 600N	201	232	15	< 1	< 10	118	2580	2	< 2	< 0.5	35	43	310	7.32	1525	106
L1750E 650N	201	232	< 5	< 1	< 10	88	3150	4	< 2	< 0.5	19	31	200	6.16	750	75
L1750E 700N	201	232	5	< 1	10	86	3080	2	< 2	< 0.5	34	40	290	6.99	1220	93

CERTIFICATION :

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To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
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V6E 2K5

Project: 1362

Comments: ATTN: W MEYER CC: A. BETMANIS

Page No.: 6-B
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CERTIFICATE OF ANALYSIS A8924087

SAMPLE DESCRIPTION	PREP CODE	Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)			
L1500E 250N	201 232	0.50	110	5.32	< 0.5	0.66	12	< 0.5	1.11	79	0.99	0.87			
L1500E 300N	201 232	0.53	82	7.59	0.5	0.69	8	< 0.5	0.90	82	1.46	1.14			
L1500E 350N	201 232	0.51	133	7.44	< 0.5	0.76	4	< 0.5	1.36	117	2.17	1.90			
L1500E 400N	201 232	0.96	103	7.61	< 0.5	0.83	11	< 0.5	1.01	99	1.08	0.81			
L1500E 450N	201 232	1.42	101	8.21	1.5	2.17	24	< 0.5	1.04	214	1.88	1.28			
L1500E 500N	201 232	0.54	80	7.32	1.0	0.66	11	< 0.5	0.86	83	1.24	0.98			
L1500E 550N	201 232	0.68	74	7.80	0.5	0.95	18	< 0.5	0.74	98	1.28	1.02			
L1500E 600N	201 232	0.47	81	7.02	1.0	0.65	9	< 0.5	0.91	85	1.34	1.12			
L1500E 650N	201 232	0.41	71	7.39	1.5	0.65	11	< 0.5	0.85	75	1.64	1.41			
L1500E 700N	201 232	0.80	98	7.76	2.5	0.64	22	< 0.5	1.02	89	1.28	1.00			
L1500E 750N	201 232	0.52	91	7.56	1.5	0.82	12	< 0.5	1.06	104	1.67	1.37			
L1500E 800N	201 232	0.47	95	7.25	1.0	0.54	10	< 0.5	1.06	76	1.18	0.94			
L1500E 850N	201 232	0.64	111	6.19	< 0.5	0.67	15	< 0.5	1.15	111	0.69	0.59			
L1500E 900N	201 232	0.53	124	5.63	< 0.5	0.62	11	< 0.5	1.28	112	0.57	0.48			
L1500E 950N	201 232	0.45	98	6.53	0.5	0.69	10	< 0.5	1.09	104	1.05	0.83			
L1500E 1000N	201 232	2.16	123	8.37	2.0	2.45	42	< 0.5	1.28	241	2.13	1.40			
L1500E 1050N	201 232	2.35	127	8.24	1.5	2.35	35	< 0.5	1.20	272	2.25	1.64			
L1500E 1100N	201 232	0.58	102	5.96	< 0.5	0.79	20	< 0.5	1.04	116	0.87	0.68			
L1500E 1150N	201 232	1.14	134	7.83	1.5	1.50	30	< 0.5	1.25	228	1.30	0.97			
L1500E 1200N	201 232	0.64	116	6.84	0.5	0.74	20	< 0.5	1.21	120	1.04	0.86			
L1500E 1250N	201 232	0.98	140	7.33	< 0.5	0.97	27	< 0.5	1.29	192	1.13	0.87			
L1500E 1300N	201 232	0.46	142	5.92	< 0.5	0.51	3	< 0.5	1.59	95	1.06	0.82			
L1500E 1350N	201 232	0.66	143	7.54	< 0.5	0.68	18	< 0.5	1.48	123	1.08	0.82			
L1500E 1400N	201 232	0.96	114	7.39	< 0.5	0.99	17	< 0.5	1.24	127	1.20	0.86			
L1500E 1450N	201 232	1.58	114	7.87	< 0.5	1.74	18	< 0.5	1.17	182	1.66	1.10			
L1500E 1500N	201 232	0.66	118	7.07	< 0.5	0.52	15	< 0.5	1.33	75	1.05	0.87			
L1750E 050N	201 232	1.57	174	8.40	< 0.5	1.67	60	< 0.5	1.15	349	2.05	1.76			
L1750E 100N	201 232	0.81	130	6.26	< 0.5	1.39	21	< 0.5	1.41	242	0.82	0.55			
L1750E 150N	201 232	0.82	138	7.77	< 0.5	1.22	29	< 0.5	1.82	217	0.82	0.51			
L1750E 200N	201 232	0.73	133	6.78	< 0.5	0.98	20	< 0.5	1.52	177	0.70	0.49			
L1750E 250N	201 232	0.43	116	7.29	< 0.5	1.02	8	< 0.5	1.49	163	1.83	1.41			
L1750E 300N	201 232	0.63	122	6.32	< 0.5	0.76	15	< 0.5	1.36	123	0.77	0.58			
L1750E 350N	201 232	0.49	129	6.04	< 0.5	0.57	19	< 0.5	1.49	98	0.68	0.50			
L1750E 400N	201 232	0.80	132	7.17	< 0.5	1.09	13	< 0.5	1.54	177	1.13	0.81			
L1750E 450N	201 232	0.67	122	7.53	< 0.5	0.83	18	< 0.5	1.24	130	1.11	0.81			
L1750E 500N	201 232	0.80	134	8.12	< 0.5	0.73	10	< 0.5	1.64	115	1.22	0.89			
L1750E 550N	201 232	0.44	107	5.96	< 0.5	0.64	10	< 0.5	1.28	108	0.82	0.62			
L1750E 600N	201 232	0.78	120	7.43	< 0.5	0.87	15	< 0.5	1.48	143	1.07	0.76			
L1750E 650N	201 232	0.36	101	6.48	< 0.5	0.44	12	< 0.5	1.18	72	0.63	0.45			
L1750E 700N	201 232	0.69	118	7.41	< 0.5	0.80	19	< 0.5	1.44	152	0.70	0.45			

CERTIFICATION :

B. Coughlin



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212 BROOKSBANK AVE., NORTH VANCOUVER,
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To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project: 1362

Comments: ATTN: W MEYER CC: A BETMANIS

Page No.: 7-A
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CERTIFICATE OF ANALYSIS A8924087

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Mb ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mb ppm (ICP)	Cr ppm (ICP)
	L1750E 750N	201	232	< 5	< 1	< 10	96	2660	< 2	< 2	0.5	36	38	270	7.80	1525
L1750E 800N	201	232	< 5	< 1	< 10	86	2780	2	< 2	0.5	29	36	280	7.18	1275	94
L1750E 850N	201	232	< 5	< 1	< 10	96	2580	4	< 2	0.5	32	40	240	7.06	1405	94
L1750E 900N	201	232	< 5	< 1	< 10	84	2850	2	< 2	< 0.5	24	32	230	6.24	1030	81
L1750E 950N	201	232	< 5	< 1	< 10	106	3140	6	< 2	< 0.5	25	34	210	7.37	1240	97
L1750E 1000N	201	232	< 5	< 1	< 10	120	2770	2	< 2	1.0	31	46	350	7.79	1305	100
L1750E 1050N	201	232	< 5	< 1	< 10	110	2760	4	< 2	< 0.5	23	34	290	6.78	1365	80
L1750E 1100N	201	232	< 5	< 1	< 10	112	2010	4	< 2	1.0	27	47	260	6.98	1240	110
L1750E 1150N	201	232	< 5	< 1	< 10	130	1520	< 2	< 2	1.5	27	53	320	6.61	1245	117
L1750E 1200N	201	232	10	1	< 10	86	2350	4	< 2	< 0.5	28	40	330	6.89	1515	92
L1750E 1250N	201	232	15	< 1	< 10	86	2120	4	< 2	1.0	28	46	260	6.56	1180	89
L1750E 1300N	201	232	< 5	< 4	< 10	116	3110	4	< 2	< 0.5	20	34	300	5.53	905	78
L1750E 1350N	201	232	< 5	< 1	< 10	106	2780	4	< 2	0.5	21	40	300	6.67	1185	92
L1750E 1400N	201	232	10	< 1	< 10	82	2670	4	< 2	0.5	13	23	240	5.36	875	67
L1750E 1450N	201	232	< 5	< 1	10	86	1550	4	< 2	< 0.5	26	30	370	6.00	1075	81
L1750E 1500N	201	232	< 5	< 1	10	138	2430	4	< 2	< 0.5	31	43	400	6.22	1280	91

CERTIFICATION :

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Page No. : 7-B

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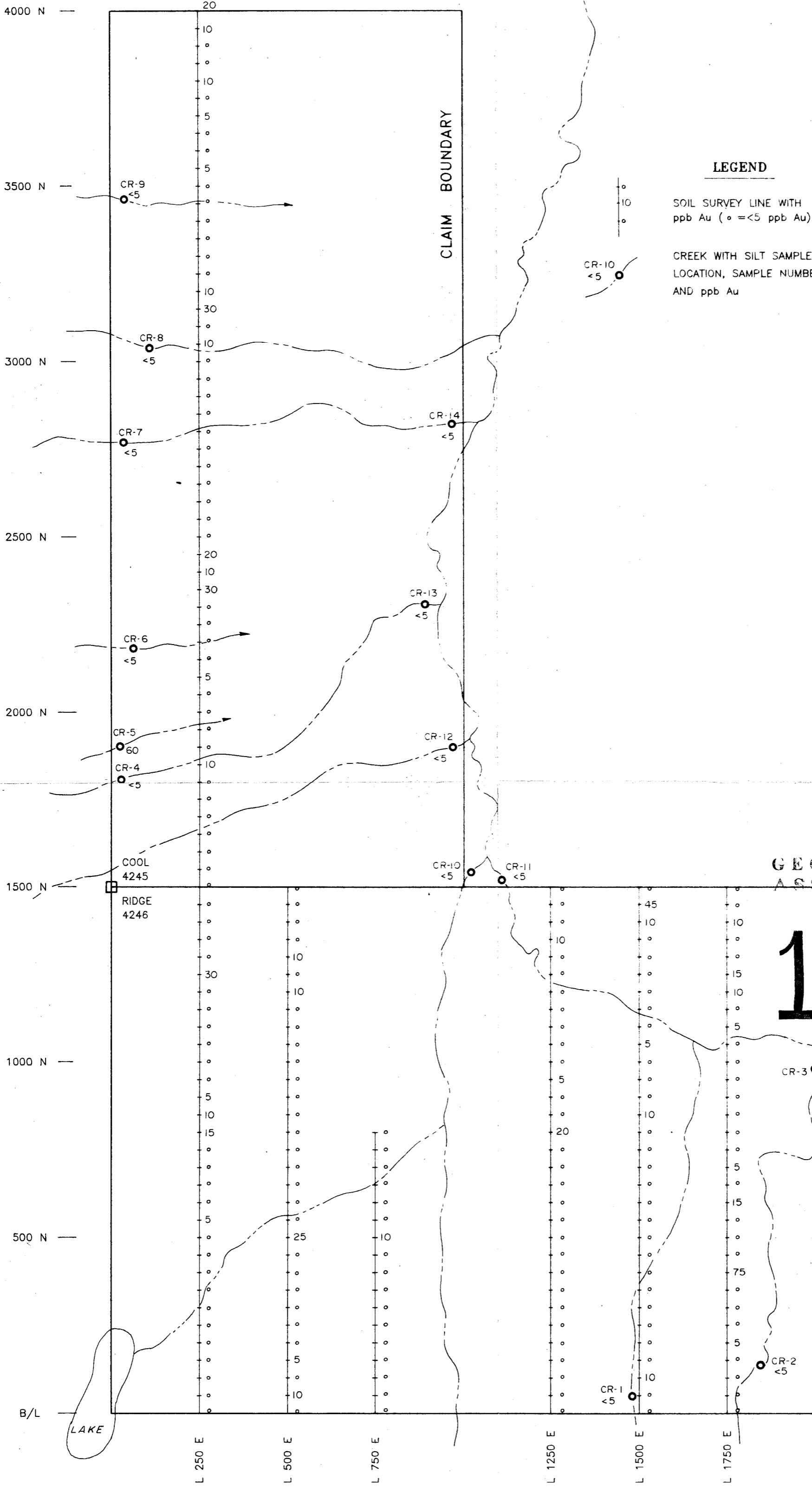
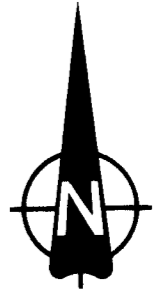
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	L1750E 750N	201	232	0.76	128	8.28	0.5	0.91	22	< 0.5	1.49	160	0.69	0.41		
L1750E 800N	201	232	0.68	114	7.89	1.5	0.69	16	< 0.5	1.44	118	0.80	0.56			
L1750E 850N	201	232	0.78	114	7.83	1.0	0.73	9	< 0.5	1.42	122	0.68	0.44			
L1750E 900N	201	232	0.49	112	6.30	0.5	0.57	19	< 0.5	1.23	108	0.59	0.44			
L1750E 950N	201	232	0.59	125	7.33	1.5	0.55	10	< 0.5	1.53	95	0.62	0.44			
L1750E 1000N	201	232	0.68	133	7.80	1.0	0.94	18	< 0.5	1.54	178	0.86	0.59			
L1750E 1050N	201	232	0.56	99	6.91	2.0	0.64	11	< 0.5	1.26	109	0.83	0.60			
L1750E 1100N	201	232	1.06	106	8.14	2.5	1.06	26	< 0.5	1.22	126	1.28	0.87			
L1750E 1150N	201	232	1.83	99	7.97	2.0	2.70	39	< 0.5	1.11	284	2.27	1.52			
L1750E 1200N	201	232	0.85	115	6.96	1.5	0.95	21	< 0.5	1.33	193	0.80	0.58			
L1750E 1250N	201	232	0.93	111	8.12	3.5	0.57	16	< 0.5	1.26	117	0.75	0.59			
L1750E 1300N	201	232	0.56	90	5.94	2.0	1.27	24	< 0.5	1.08	174	0.75	0.52			
L1750E 1350N	201	232	0.77	104	6.12	3.0	0.85	12	< 0.5	1.29	140	0.83	0.67			
L1750E 1400N	201	232	0.40	81	5.58	1.5	0.64	8	< 0.5	1.04	91	0.80	0.64			
L1750E 1450N	201	232	0.66	83	7.10	< 0.5	1.79	12	< 0.5	1.15	214	1.46	1.09			
L1750E 1500N	201	232	0.92	103	8.12	< 0.5	0.86	30	< 0.5	1.20	154	0.92	0.84			

CERTIFICATION :

B. Coughlin



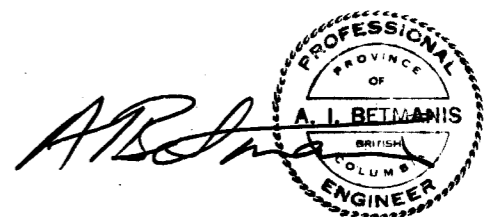
LEGEND

SOIL SURVEY LINE WITH
ppb Au (o = <5 ppb Au)

CREEK WITH SILT SAMPLE
LOCATION, SAMPLE NUMBER
AND ppb Au

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

19,338



TECK EXPLORATIONS LIMITED
COOLRIDGE GROUP
KLASTLINE RIVER AREA, B.C.

GOLD GEOCHEMISTRY MAP



NOVEMBER, 1989 NTS: 104G/16 SCALE: 1:10,000 FIG. 2