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# ASSESSMENT REPORT

# INDUCED POLARIZATION AND DIAMOND DRILLING

Heath #1, #2, #3, #15, #17, #14, #21, #22, #23 #24, #25, #26, #27 CLAIMS

# OMINECA MINING DIVISION

NTS 93N/6

Latitude 55° 20'N Longitude 125° 10'W

# OWNER: INDATA RESOURCES LTD.

# OPERATOR: TECK EXPLORATIONS LTD.

by

J.R. Toohey (Teck Exploration Ltd.) P. Donkersloot (Teck Exploration Ltd.) P. Cartwright (Pacific Geophysical Ltd.) M. Cormier (Pacific Geophysical Ltd.)

> DECEMBER 13, 1991 GEOLOGICAL BRANCH ASSESSMENT REPORT

CI. 94

# SUMMARY

The Heath property, is located in the Nation Lakes area at the southern end of the Omineca Mountains, 215 kilometres northwest of Prince George, B.C. It includes 177 claim units covering an area of 44 square kilometres on the southwest flank of Mt. Nation. Copper mineralization was discovered in 1968 and the property was explored as a porphyry Cu target by Amax, Senate Mining and Exploration, and Nation Lake Mines between 1968 and 1973. Soil sampling by the vendor in 1988 returned Au analyses up to 1035 ppb and interest in the property was renewed.

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In 1989 and 1990 Teck collected 6431 soil samples, completed 86 line kilometres of ground magnetics and VLF-EM and 9.2 line kilometres of IP, carried out a 1600 linear metre excavator trenching program, and drilled 2 winky holes (121.92 metres). An additional 70.2 line kilometres of IP were completed in 1991 followed by 968.96 metres of helicopter supported diamond drilling.

The claims are situated on the western edge of Quesnellia, flanking the Pinchi fault. They are underlain by island arc volcanics of the Takla Group (U. Trias. - L. Jur.) and comagmatic intrusive rocks of the Hogem batholith. A number of porphyry Cu-Au deposits occur in this area of the southern Hogem batholith, including the Mt. Milligan, Chuchi, Col and Camp properties. The Pinchi fault is the locus of significant precious- and base-metals mineralization as at the nearby Lustdust and Indata properties.

Diorite of the Hogem batholith is the dominant lithology mapped on the property. It is characterized by pervasive propylitic and potassic alteration and local carbonatization. Limited hand-trenching carried out in 1968 had exposed magnetite-chalcopyrite fissure veins (assaying up to 8.30% Cu over 3.1 metres and 0.040 opt Au over 3.7 metres) and stockworks and disseminations of galena, sphalerite, chalcopyrite and tetrahedrite (with grab samples assaying up to 0.76% Cu, 0. 145 opt Au, 41.40 opt Ag, 6.48% Zn and 4.16% Pb).

The IP survey completed in 1991 identified several broad high-chargeability anomalies coincident with magnetic and Cu soil anomalies. The subsequent ten hole drill program, designed to test these coincident anomalies, failed to intersect economically important grades and thicknesses of porphyry Cu-Au mineralization.

The soil geochemistry and IP effect in many areas remain unexplained by the results returned to date and several targets have not been adequately tested. A program of geochemical anomaly follow-up is recommended to locate and characterize bedrock metal sources prior to further drilling.

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#### INTRODUCTION

Teck Exploration Ltd. held the Heath property under option from August, 1989 to August, 1991. This report describes exploration work carried out by Teck between June 1 and August 15, 1991, including:

70.2 line-kilometres of pole-dipole time domain IP and resistivity surveys, and 968.96 metres of diamond drilling.

### LOCATION AND ACCESS

The Heath property, situated 105 kilometres northwest of Ft. St. James, covers the southwest flank of Mt. Nation near the west end of Tchentlo Lake (Figure 1). It is presently accessible only by floatplane or helicopter. The Leo-Purvis forestry road, a spur off the Leo Creek mainline extending north from Ft. St. James, ends at the west shore of Nation River within 500 metres of the western property boundary. The river may be fordable during periods of low run-off.

In 5 to 8 years the Ministry of Forests plans to construct a bridge over the Nation River and extend the present road southeastward in order to exploit merchantable timber on the southeast slopes of Mt. Nation.

### PHYSIOGRAPHY AND GLACIAL HISTORY

The claims sit at the southern edge of the Omineca Mountains. The boundary between the Omineca Mountains and the adjacent Nechako Plateau lies just south of the property along the north shore of Tchentlo lake. At this physiographic boundary, southsoutheastward directed Pleistocene valley glaciation, moving parallel to the upper Nation River valley, converged with the main body of the eastward advancing Cordilleran icesheet which covered all of the Nechako Plateau.

On the till planes to the south of the property, drumlin-like ridges and parallel grooves identified in air photographs indicate a glacial transport direction to the ENE. Ice



covered all of the property during the Pleistocene and advanced in directions which rotate from SSE at the north end of the claims to SE at the south end.

#### **TOPOGRAPHY AND VEGETATION**

Elevations range from 870 metres at the Tchentlo Lake to 1830 metres on the ridge crests of Mt. Nation. The lower valley slopes are gentle and forested with open jackpine and poplar. Relief is more rugged and slopes considerably steeper at intermediate elevations (950 to 1400 metres). These areas are forested with denser stands of spruce, balsam and alder. South-facing slopes near the ridge crests are rounded and more gentle than slopes at intermediate elevations but the north-facing ridge-crest slopes are steep and rugged. Alpine grasses and stunted shrubs vegetate the higher elevations.

#### **CLAIMS STATUS AND OWNERSHIP**

The property consists of the 13 contiguous HEATH claims comprising a total of 177 units (Figure 2). Table 1 lists their status and ownership. HEATH claims numbered 1,2,3,14,15 and 17 were staked by Colin Campbell of Courtenay, B.C. Ownership of this group was transferred by Mr. Campbell to Indata Resources Ltd. in 1989. The HEATH claims numbered 21 through 27 and were staked on behalf of Teck Corporation by Mr. Campbell in September of 1989.



Claim <u>Name</u>	Record <u>Number</u>	Ownership	Number <u>of Units</u>	Expiry Date
HEATH #1	8679	Indata Resources	16	August 13, 1999
HEATH #2	9811	N	10	September 17, 2000
HEATH #3	<b>9812</b>	"	8	September 17, 2000
HEATH #14	9955	"	4	October 20, 1997
HEATH #15	10660	H	18	June 15, 1999
HEATH #17	10662	11	1	June 14, 2000
HEATH #21	11049	Teck Corporation	20	August 27, 2000
HEATH #22	11050	n	20	August 28, 2000
HEATH #23	11051	91	20	August 28, 2000
HEATH #24	11052	91	20	September 1, 2000
HEATH #25	11053	91	6	September 1, 2000
HEATH #26	11054	*1	16	September 1, 1999
HEATH #27	11055	*1	18	August 30, 1999

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# **EXPLORATION HISTORY**

Colin Campbell has held claims covering the core of the Heath property since 1968 when he discovered copper mineralization during stream sediment anomaly follow-up. Mr. Campbell excavated several hand-trenches exposing magnetite-chalcopyrite fissure veins with intensely-altered wallrock zones carrying important values in Pb, Zn, Ag, Au and Cu.

In the spring of 1969, Amax Exploration conducted a reconnaissance soil geochemical survey over an area near the centre of the property. The pulps were analysed for copper and molybdenum. This survey outlined a 2,000 metre by 2,400 metre zone of anomalous Cu defined by analyses exceeding 200 ppm.

In October of 1969, the property was optioned to Senate Mining and Exploration Ltd. who carried out geologic mapping and a ground magnetometer survey. It was returned to Mr. Campbell in 1972 and optioned that same year to Nation Lake Mines Ltd.

In 1973, McPhar Geophysics was contracted by Nation Lake Mines to carry out a frequency domain induced polarization survey over the Amax soil grid. Seven linear anomalies were identified and a broad anomalous zone measuring 300 metres by 600 metres was outlined. A three-hole drill program was recommended, but the option was dropped.

No exploration work was done between 1973 and August of 1988 at which time Mr. Campbell tested the Au geochemical response on two small detailed soil grids in areas of known mineralization. The samples returned analyses ranging up to 1,035 ppb Au, 100 ppm Ag and 32,000 ppm Cu.

In 1989, Teck completed 86 line kilometres of ground magnetics and VLF-EM on a 9 square kilometre grid in the centre of the property and collected 4,152 soil samples. Teck's 1990 program consisted of 1.6 linear kilometres of excavator trenching, 9.2 line kilometres of IP surveys, 121.92 metres of diamond drilling and collection of 2279 soil samples.

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### INDUCED POLARIZATION SURVEY

#### i) Survey Specifications

The Induced Polarization (IP) and resistivity survey took place during the period June 2-27, 1991 under the direction of Grant D. Lockhart, geophysicist. A total of 70.2 line kilometers of IP / resistivity data was acquired.

The surveys were carried out using the pole - dipole array with an inter-electrode spacing of 50 meters. In addition, portions of two lines (Lines 6300N and 4900N) were also tested using a 12.5 meter dipole size. The moving current electrode was located to the east of the potential electrode pair. Four dipole separations (n=1-4) were recorded during the 1991 survey, while in the 1990 work (the data from which is included in this report), five separations were measured. In the case of the 12.5 meter work, the four separations recorded were n=3-6.

#### ii) Instrument Specifications

The 1991 IP / resistivity measurements were made using an EDA Model IP-6 six channel time domain receiver set to "mode 2" whereby a delay time (TD = 120 milliseconds) is followed by 10 measurement windows of equal width (td = 90 milliseconds), yielding a total integration time of 900 milliseconds. It should be noted that the 1990 survey data (9.25 km) used "mode 3" (TD = 80 msec; td = 80,80,80,80, 160,160,160,320,320,320). These earlier results have been re-calibrated and converted to their "mode 2" equivalent. The signal used to make the measurements was provided by a Phoenix Model IPT-1 transmitter producing a 2 second on / 2 second off square wave of alternating polarities powered by a 2.0 kilowatt motor generator set. IP effects were recorded as chargeability in milliseconds while apparent resistivity values were normalized in units of ohm-meters.

## iii) Data Presentation

The IP / resistivity results are shown on the following data plots in pseudo-section format:

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Line	Electrode Interval	Reading Interval	Total Coverage
7800N	50 meters	5000E - 6550E	1550 meters
7600N	50 meters	4950E - 6650E	1700 meters
7400N	50 meters	5000E - 6850E	1850 meters
7200N	50 meters	5000E - 7400E	2400 meters
7000N	50 meters	4900E - 7400E	2500 meters
6800N	50 meters	5200E - 7500E	2300 meters
6600N	50 meters	3500E - 6500E	3000 meters
6500N	50 meters	3500E - 6500E	3000 meters
6400N	50 meters	3500E - 6500E	3000 meters
6300N	50 meters	3500E - 6500E	3000 meters
6300N	12.5 meters	4000E - 4700E	700 meters
6200N	50 meters	3500E - 6500E	3000 meters
6100N	50 meters	3500E - 6500E	3000 meters
6000N	50 meters	3500E - 6500E	3000 meters
5900N	50 meters	3500E - 6500E	3000 meters
5800N	50 meters	3500E - 6500E	3000 meters
5700N	50 meters	3500E - 6500E	3000 meters
5600N	50 meters	3500E - 6500E	3000 meters
5500N (19	990) 50 meters	5000E - 6500E	1500 meters
5500N	50 meters	3500E - 5000E	1500 meters
5400N (19	990) 50 meters	5000E - 6500E	1500 meters
5400N	50 meters	3850E - 5000E	1150 meters
5300N (19	990) 50 meters	5000E - 6500E	1500 meters
5300N	50 meters	3900E - 5000E	1100 meters
5200N (19	990) 50 meters	5000E - 6500E	1500 meters
5200N	50 meters	4000E - 5000E	1000 meters
5100N (19	990) 50 meters	5000E - 6500E	1500 meters
5100N	50 meters	4000E - 5000E	1000 meters
5000N	50 meters	3950E - 6500E	2550 meters
4900N	50 meters	4000E - 6500E	2500 meters
4900N	12.5 meters	4400E - 5400E	1000 meters
4800N	50 meters	4000E - 6500E	2500 meters
4700N (19	990) 50 meters	4500E - 6250E	1750 meters
4500N	50 meters	3950E - 6500E	2550 meters
4300N	50 meters	3950E - 6500E	2550 meters
4200N	50 meters	3950E - 5000E	1050 meters
4100N	50 meters	3900E - 6500E	2600 meters
4000N	50 meters	3850E - 5000E	1150 meters

Also included with report is a contoured, 1:5000 scale plan map (PLAN MHTHIP) presentation of the 10-point Fraser-filtered chargeability values which includes the IP interpretation and drillhole locations. The Fraser filter involves calculating an average

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value for each dipole separation using one n=1 value, two n=2 values, three n=3 values and four n=4 values. These intermediate results are then further averaged to yield one number which can be contoured in plan view. The strong, moderate and weak IP anomalies are indicated by bars in the manner shown on the plan map legend as well as on the pseudo-sections. These bars represent the surface projection of the anomalous zones interpreted from the transmitter and receiver locations when the anomalous values were measured. The contoured, 10-point Fraser-filtered resistivity data are illustrated on the 1:5000 scale plan map labelled PLAN MHTHRES.

#### iv) Discussion of Results

Nine separate zones of anomalous IP effects have been outlined by the surveys carried out over the Heath Project's Lisa Lake grid. These features are illustrated on the map labelled PLAN: MHTHIP and included with report. The reader is referred to this map for the following zone - by - zone discussion.

## Zone A

Located at the far northeast corner of the Lisa Lake grid, Zone A exhibits moderate magnitude chargeabilities accompanied by high (3000 ohm-m) apparent resistivity values. The source of the anomalous readings is thought to be within one dipole length (50 meters) of surface. The northern and eastern borders of the zone remain undefined. As well, it is noted that Zone A has not been tested by the present drilling program.

#### Zone B

Also situated in the northeast part of the geophysical grid, Zone B is a long, narrow, tabular feature which varies between 100 meters and 350 meters in width. Typified by moderate strength chargeability readings and elevated (2000 ohm-m) resistivity values, the zone's northern and southern boundaries remain open. Depth to the top of the polarizable source is estimated to be within 50 meters. This zone has not been drill tested.

### Zone C

Zone C is a large scale feature which dominates the eastern half of the geophysical grid. The dimensions of the zone are in excess of 1250 meters wide (E-W) and 2800 meters long (N-S). Generally speaking, Zone C expresses itself in terms of anomalous IP effects, the magnitudes of which vary from weak to strong. The strong anomalies form four distinct high chargeability pockets within the confines of the main zone. Approximate centers for these increased chargeability "sub-zones" are as follows: a) 6000E, 6700N b) 5600E, 6200N and d) 6125E, 4950N.

As part of the 1991 drill program, the periphery of one of these higher magnitude features has been tested. Drill hole 91-H-8 was drilled at the western edge of area a), mentioned above, intersecting magnetite, pyrite and chalcopyrite. Other drill holes emplaced within the confines of Zone C include 91-H-9 and 91-H-6. The former of the two holes is reported to have encountered sparse amounts of sulphides, while the latter intersected minor disseminated magnetite.

The borders of Zone C remain undefined both to the north and to the east.

### Zone D

Zone D is a small zone located in the central part of the grid. It is characterized by weakly to moderately anomalous IP effects accompanied by high (2000 - 3000 ohm-m) resistivity readings. Depth to the top of the polarizable material responsible for the anomalous readings is felt to be well within 50 meters. The zone has not been drilled as of this report date.

### Zone E

The narrowest (approximately 75 meters wide) of the zones interpreted to be present, Zone E lies very close to the eastern edge of the much larger Zone H. It is estimated that depth of burial for the material responsible for the moderately to strongly anomalous chargeabilities and high (2000 - 3000 ohm-m) resistivity values is well within one dipole length (50 meters). At present, Zone E has not yet been explored by drilling.

### Zone F

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Zone F is found in the south - central portion of the Lisa Lake grid and exhibits moderately anomalous chargeabilities. Apparent resistivity values are on the order of 1500 - 1800 ohm-m. As is the case with many of the smaller zones interpreted from the data, the polarizable source is felt to be within 50 meters of surface and has not been drill tested.

#### Zone G

This zone, situated in the south - central part of the grid, displays moderate to strong (on Line 4700N) magnitude IP effects without a strong resistivity correlation. Depth of burial is thought to be well within 50 meters of surface. Diamond drill hole 91-H-1 (drilled in 1991) has tested this zone and returned intermittent intervals containing disseminated chalcopyrite and lesser amounts of pyrite.

#### Zone H

Zone H is a widespread feature which covers a substantial portion of the grid west of the baseline. As with Zone C, anomalous chargeability responses ranging from weak to strong constitute Zone H. For Zone H, the "sub-zones" of strong IP effect are centered at a) 4300E, 6350N and b) 5050E, 4900N.

During the 1991 drill program, area a) was tested by drill hole 91-H-10 which reportedly intersected several intervals of minor amounts of visible pyrite and chalcopyrite. The strong IP response measured in this area, however, would tend to indicate that larger amounts of polarizable material could be present -- perhaps at a level not discernable by hand lens. More thoroughly tested by the present drilling was the sub-zone **b**) mentioned above. Drill holes 91-H-2, 91-H-3, 91-H-4 and 91-H-5 all encountered significant amounts of both magnetite and sulphides (primarily pyrite and, to lesser degree, chalcopyrite).

The borders of this large zone remain undefined to the north, west and south.

#### Zone I

Weak to moderate magnitude chargeabilities and low apparent resistivities (100 - 200 ohm-m) characterize this zone which is located at the extreme southwest corner of the grid. The low resistivities are probably due to a larger than usual thickness of overburden cover. Depth of burial appears to be on the order of 50 meters at the south end of the zone and somewhat less than that at the north end. A diamond drill hole (91-H-7), located at Station 4250E on Line 4100N was abandoned in overburden at a depth of approximately 35 meters. Zone I remains open to both the south and the west.

#### v) Conclusions

The Induced Polarization (IP) and resistivity survey carried out on the Heath Project (Lisa Lake grid) has detected two large zones and seven smaller zones of anomalous IP effects, all of which could be caused by metallic sulphide mineralization. Generally, the depths to the tops of the polarizable bodies responsible for the anomalies is estimated to be within 50 meters of surface.

At this time, the possible contribution to the measured chargeabilities by the magnetite which is known to occur in the area is unclear. In some of the holes drilled as part of the 1991 drill program, abundant magnetite was encountered when testing strong IP anomalies. These same holes, however, also returned the best sulphide intersections. As well, it is the authors' understanding that ground magnetic survey data on the grid indicates strong magnetic anomalies in areas where the IP measurements are considered non-anomalous. More information concerning the possible magnetite component of the measured IP effects could be gathered. This work could take the form of determining the IP/resistivity/magnetic susceptibility of selected core samples prior to assaying for Fe, S, Cu.

Zone C is the largest single zone outlined by the present survey. The 1991 drill program included three holes which have tested several of its constituent anomalies, but have not yielded encouraging results from an economic point of view.

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Zone H is the second large zone discussed in this report. Two "sub-zones" of strong IP response have been evaluated by five drill holes in the 1991 program, none of which returned economic grades of copper mineralization.

A third zone of interest is that which is identified as Zone B. It exhibits a consistent and distinct chargeability signature, probably due to a polarizable, tabular source. The zone gets wider and stronger at its southern end. Both the northern and southern borders of Zone B are undefined at this time.

Zones A,D,E,F,G and I are all significantly smaller than the three zones mentioned above, although the borders of Zones A and I are still open. None of these six features have been drill tested, with the exception of Zone G, where non-economic assays resulted.

## vi) Personnel

The personnel utilized during the data acquisition stage of the 1991 geophysical program are listed below:

Name	<b>Occupation</b>	Address	Date
G. Lockhart	Geophysicist 212	Pacific Geophysica 2-744 West Hastings Vancouver, B.C.	l June 2-27, 1991
H. Zurloff	Technician	11	June 2-4, 1991 June 7-27, 1991
D. Sinclair	Helper	17	June 2-27, 1991
B. Page	Helper	H	June 2-27, 1991
S. Milia	Helper	H	June 2-27, 1991
S. Fleming	Helper		June 2-27, 1991
	PACIFIC GEOPH	YSICAL LIMITED	$\Lambda \cdot \Lambda \Lambda \Lambda$
	Paul A. Cartwright, P.Geoph.		Paul A. Conton
	Micha	el J. Cormier, B.Sc.	Michael J. Comia
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Dated: December 13, 1991.

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$\frac{400 \text{ E}}{12} + \frac{65 \times 00 \text{ E}}{18} + \frac{66 \times 00 \text{ E}}{14} + 11 \text{ Filter } 088, 04\text{APGEABILTY} (masc)$	Logerithmic Contoure 1. 1.5. 2. 3. 5. 7.5. 10 Instrument 1 EDA IP-6 Frequency 1 2s ON / 2s OFF Operators 1 GOL/HZ INTERPRETATION Strong increase in polarization Noderate increase in polarization Neak increase in polarization
40     E     65*00     E       51     6     60     62     32 filter     METAL FACTOR       34     38     67     51     1.0     n=1       13     48     56     6.9     3.3     n=2       55     48     56     3.8     n=3       58     65     4.8     7.4     n=4	TECK EXPLORATION LTD. INDUCED POLARIZATION SURVEY HEATH PROJECT LISA LAKE GRID. Ominoco M. D., B. C. Deter June 1981 NTS: 83N/6E Interpretation by: PAC Scale 1:5000 Pecific Geophysical

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### **DIAMOND DRILLING**

The 1991 drilling was contracted to J.T. Thomas Diamond Drilling Ltd. of Smithers, B.C. who provided a JT 600 heliportable drill rig with BQ Thinwall equipment. Ten holes were drilled between August 2 and August 14 for a total of 3179 feet (968.96 metres). A total of 238 core samples averaging 3.05 metres in length were split and submitted to Min-En Laboratories in Smithers (samples 33301-33333 and 33501-33550) and to Rossbacher Laboratory in Burnaby (samples 3334-33488) for Cu and Au assay by standard methods. The hole locations are plotted in Figure 3. Table 2 lists the grid coordinates, inclination, azimuth and total depth for each hole. The drill logs are included in Appendix I and the core assays in Appendix II.

The drill holes were targeted to test combined soil geochemical, ground magnetic and IP-chargeability anomalies for potential porphyry Cu-Au mineralization. Following is an abbreviated summary of the results from each hole:

### DDH-91-H-1

- Weakly propylitic diorite throughout hole with crowded monzonite porphyry dyke at 14.42-40.00 metres.
- Intermittent sections with disseminated chalcopyrite (and lesser pyrite) throughout diorite generally assaying in the 0.0X% Cu range.

### DDH-91-H-2

- Intensely propylitic diorite with abundant magmatic and hydrothermal magnetite as disseminations and veinlets.
- Potassic alteration mainly as biotite replacement of hornblende, occasional short intervals of k-feldspar alteration.
- Numerous narrow zones of intense epidote alteration.
- Disseminated chalcopyrite (and lesser pyrite) throughout hole, coarser grained more abundant chalcopyrite associated with magnetite veinlets and epidote alteration.

- Intersection of 101.80 metres (from 5.18 metres to 106.98 metres) grading 0.063% Cu, including 53.54 metres (from 44.30 metres to 97.84 metres) grading 0.083% Cu.
- Assays range up to 0.137% Cu over 3.05 metres.

## DDH-91-H-3

- Intensely propylitic diorite with abundant magmatic magnetite as
- disseminations, crowded monzonite porphyry dyke at 35.00-37.79 metres.
- zones of abundant secondary (?) biotite, epidote alteration zones related to fractures.
- Intermittent intervals of disseminated pyrite and chalcopyrite grading in the 0.0X% Cu range.

## <u>DDH-91-H-4</u>

- Moderately propylitic diorite with abundant magmatic magnetite, crowded monzonite porphyry dykes at 8.55-20.90 metres and 25.10-26.05 metres.
- Intermittent intervals of disseminated pyrite and occasional trace chalcopyrite.

## <u>DDH-91-H-5</u>

- Weakly propylitic diorite with magmatic magnetite.
- Potassic alteration as localized patchy zones of fresh biotite replacing hornblende.
- Disseminated chalcopyrite throughout hole grading in 0.0X% Cu range, no magnetite veinlets, no strong association with epidote alteration.

## <u>DDH-91-H-6</u>

Diorite with moderate to intense k-feldspar alteration, overprinting of epidote alteration on fractures, magmatic disseminated magnetite.
 No visible sulphides.

# DDH-91-H-7

- Hole abandoned in overburden (glacio-lacustrine clays) at 35.36 metres.

## DDH-91-H-8

- Moderately propylitic diorite with moderately abundant magmatic disseminated magnetite.
- Moderate to locally intense k-feldspar alteration increasing in intensity with depth.

Numerous narrow magnetite veinlets and associated coarse pyrite and chalcopyrite in last 30 metres of hole, otherwise sparse disseminated pyrite and chalcopyrite throughout sections sampled.

## DDH-91-H-9

- Moderate to intense k-feldspar alteration in diorite with moderate propylitic overprint, pink feldspar porphyry (syenite ?) dyke at 79.24 93.26 metres (unmineralized).
- Sparse disseminated pyrite, very little chalcopyrite within sections sampled.

## <u>DDH-91-8-10</u>

- Diorite with moderate to intense k-feldspar alteration decreasing in intensity with depth, weakly propylitic.
- Several intervals of sparse disseminated pyrite, occasional chalcopyrite grains.

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## TABLE 2

# **DIAMOND DRILL HOLE SUMMARY - HEATH PROJECT 1991**

<u>HOLE</u> 91-H-1	<u>COORDINATES</u> 46+88N 53+87E	INCLINATION -45°	AZIMUTH 260°	<u>DEPTH</u> 300 ft (91.44m)
91-H-2	51+00N 49+50E	-90°	-	389ft (118.57m)
91-H-3	49+50N 46+25E	-90°		351ft (106.99m)
91-H-4	54+53N 48+01E	-45°	260°	370ft (112.78m)
91-H-5	48+00N 50+50E	-45°	260°	340ft (103.63m)
91-H-6	53+00N 57+20E	-45°	080°	346ft (105.46m)
91-H-7*	40+95N 42+58E	-90°	-	116ft (35.36m)
91-H-8	67+91N 57+13E	-90°	-	360ft (109.73m)
91-H-9	73+86N 55+70E	-90°	-	306ft (93.27m)
91-H-10	63+04N 41+51E	-45°	080°	301ft (91.75m)

\* Note: DDH-91-H-7 was abandoned in overburden at 116 ft.

### CONCLUSIONS

The IP survey conducted in 1991 outlined 9 separate zones of anomalous chargeability and resistivity, several of which are coincident with previously identified ground magnetic and Cu, Zn, Pb, Ag and Au soil geochemical anomalies. Limited drill testing of some of these coincident anomalies failed to yield intersections of economically important grades over significant lengths. In many areas of the property high-contrast soil geochemical responses and strong IP effects remain unexplained by the results of drilling and prior excavator trenching.

Potential still exists for the discovery of significant porphyry Cu-Au mineralization and Zn-Pb-Ag-Cu-Au vein mineralization within many of the target areas, though that potential has been downgraded by the results of the 1991 exploration program.

### RECOMMENDATIONS

Prior to another phase of diamond drilling, an attempt to explain the strong soil geochemical response is highly recommended. This would entail pitting, soil profiling and trenching in anomalous areas in an effort to trace dispersion patterns and locate and characterize metal sources in bedrock. Such an investigation could be carried out by a small crew at a relatively low cost.

# STATEMENT OF COSTS

Field Personnel: P Donkersloot	\$10 381 17
	\$10,301,17
Geological Consultant-Project Management and Supervision J.R. Toohey	\$ 7,667.00
Accommodations and Meals (Tchentlo Lake Lodge)	\$20,178.25
Aircrapt Support: Pacific Western Helicopters Central Mountain Air	\$84,120.62 \$ 4,670.49
Truck Rentals	\$ 2,801.19
Equpment Purchase	\$ 227.10
Radio Rentals (Ironwood System Rentals)	\$ 419.76
Microscope Rental (Steinmetz Inc.)	\$ 257.98
B.C. Telephone Charges	\$ 301.13
Travel Costs	\$ 1,996.02
Freight Charges	\$ 527.96
Fuel	\$ 525.51
Prime Geochemical Methods (Consulting)	\$ 1,206.25
Assays - Min-en Laboratories Rossbacher Laboratory	\$ 1,824.90 \$ 1,959.17
Pacific Geophysical Ltd.	\$50,803.50
J.T. Thomas Drilling Ltd	\$63,659.97
Report Preparation:	
J.R. Toohey Pacific Geophysical Ltd.	<b>\$</b> 1,353.00 <u><b>\$</b> 6,366.50</u>
TOTAL	<u>\$261,247.47</u>

## WRITER'S CERTIFICATE

I, Jeffrey Robert Toohey, of 27-39752 Government Road, Squamish, British Columbia, do hereby certify that:

1.	I am a consulting geological engineer with offices at the above address.
2.	I am a graduate of Colorado School of Mines, Golden, Colorado,
	U.S.A. (B.Sc. Geological Engineering, 1984).
3.	I am a graduate of Queen's University, Kingston, Ontario (M.Sc.
	Geology - Mineral Exploration 1986).
4.	I am a member in good standing of the Association of Professional
	Engineers of British Columbia.
5.	I have been engaged in mineral exploration in British Columbia, the
	Yukon and Northwest Territories, Saskatchewan and the Western
	United States since 1974.
6.	I supervised exploration work carried out on the Heath property in 1991
	and am a co-writer of the foregoing report.
7.	I have not received, nor do I expect to receive any interest, direct or
	indirect, in the property of Teck Explorations Ltd. or of Indata
	Resources Ltd., or any of their affiliates; nor do I own any securities,
	directly or indirectly, of Teck Explorations Ltd. or any share of Indata
	Resources Ltd.

J.R. Toohey, M.Sc. P. Eng.

December 13, 1991

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## WRITER'S CERTIFICATE

I, Paul Donkerslootk of #9 3627 Oak Street, Vancouver, British Columbia do hereby certify that:

- I am a geologist employed by Teck Exploration Ltd. of #960-175 Second Ave., Kamloops, B.C.
- 2. I am a graduate of the University of Alberta (B.Sc. Geology, 1984).
- 3. I have engaged in the study and practice of mineral exploration in British Columbia, Northwest Territories and yukon Territory since 1982.
- 4. I have not received nor do I expect to receive any interest, direct or indirect, in the property of Teck Exploration Ltd. or of Indata Resources Ltd. or any of their affiliates; nor do I own any securities, directly or indirectly, of Teck Exploration Ltd. or any share of Indata Resources Ltd. or any share of Indata Resources Ltd.

P. Donkersloot, B.Sc.

### WRITER'S CERTIFICATE

I, Paul A. Cartwright, of the City of Vancouver, Province of British Columbia, do hereby certify:

- 1. I am a geophysicist residing at 4238 West 11th Avenue, Vancouver, British Columbia.
- 2. I am a graduate of the University of British Columbia, with a B.Sc. degree (1970).
- I am a member of the Society of Exploration Geophysicists, the European 3. Association of Exploration Geophysicists and the Canadian Society of Exploration Geophysicists.
- 4. I have been practicing my profession for 21 years.
- 5. I am a Professional Geophysicist licensed in the Province of Alberta.
- I have no direct or indirect interest, nor do I expect to receive any interest, directly 6. or indirectly, in the property or securities of Teck Exploration Ltd., Indata Resources Ltd. or any affiliates.
- 7. Permission is granted to use in whole or in part for assessment and qualification requirements but not for advertising purposes.

Dated at Vancouver, British Columbia this 12th day of December, 1991.

ant A. Cartan

### WRITER'S CERTIFICATE

I, Michael J. Cormier, of the City of Vancouver, Province of British Columbia, do here by certify:

- 1. I am a geophysicist residing at 5512 Kings Road, Vancouver, British Columbia.
- I am a graduate of McGill University, Montreal, Quebec with a B.Sc. degree (1981). 2.
- 3. I have been practising my profession for 10 years.
- 4. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Teck Exploration Ltd., Indata Resources Ltd. or any affiliates.
- 5. Permission is granted to use in whole or in part for assessment and qualification requirements but not for advertising purposes.

Dated at Vancouver, British Columbia this 12th day of December, 1991.

Mutul J. Comin Michael J.Cormier, B.Sc.

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# APPENDIX I

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# **1991 DRILL LOGS**

	TECK EXPLORATIONS	LIMITED	)			НО	LE No.	001	<u>4 91</u>	H <b>1</b>		P	AGE	1 of	2
DIAM COMPAN PROJEC PROPER	NY T T RTY	NTS 93 CLAIM 4 ELEVATION GRID COOR NORTHING EASTING	N/6 	2 3 20m 88 37	1 	DATE : COLLARED Gung : COMPLETED Gung : LOGGED GUNG 3 LOGGED BY : P-Danks CORE SIZE : BQ	2,9/ 3,9/ :-4,9/ erskot	чтн ( 	01P /	<u>az.</u> 2632°	LE DEI CA WA PR	NGTH : - PTH OF : SING REM TERLINE OBLEMS :	91-44 DVB : AINING : LENGTH	5 · 20. 	
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то	6 R A		REC(					SAMPLE NO	FROM	то	LENGTH				
0-5.20 5.20-5.5 5.55-7.30 7.30-14.42 14.42-19.98 19-00-2055 20-50-40-20 40-00-51-10	averburden ewrite (word all-ep dyfe? or all alt monyonite p K-op alt dio altered mongonite porphysis fault monyonite porphysis all-K altered dividit	et) mptyy? gy						3355/4 3350/ 33502 33502 33504 33505 33505 33505 33505	550 7.30 9.30 (430 (430 (430) (1330) (1330)	7.30 9.30 10.30 12.30 13.30 14.4	1-00 1-00 1-00 1-00 1-00 1-00 1-12				
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								5 35/5 335/1 335/1 355/0 355/0 355/0 355/0 355/2 335/2 335/2 335/2 335/2	23-32 25-00 22-50 37-00 38-50 40-00 41-50 43-60 44-50	2500 2600 2750 3850 4000 4150 4300 4150 4150	1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50				

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					<u>├</u> ──── <b>-</b> {			· <del> </del>	1357	51.10	5+65	0.55			┝┈┯┝╸	
				·				+	3357	15/15	530	1:35			<u> </u>	
					h				2225	5500	0710	1.86			┟───┥──	
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51.15 (6 M)	light green (Eq. rich) clay				<b></b>	<b>_</b>	ا. مرجعة ا			l i së		<b>.</b>	<b> </b>		· · -	<u>∔</u>
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	5	TECK EXPLORATIONS	LIMITED	,			ног	LE NO.	Z	DH	-9	/-/	4-2	PA	GE	/ 。	16				
DIA COMPA PROJE PROPE	MO INY CT	<u>ND DRILL LOG</u> HEATH	NTS CLAIM ELEVATION GRID COOP NORTHING EASTING _	TS <u>93N16</u> DATE: COLLARED <u>AUG. 3</u> <u>DEPTH DIP AZ</u> LENGT LAIM <u>HEATH 1</u> COMPLETED <u>AUG. 4</u> COMPLETED <u>AUG. 4</u> CASING RID COORD <u>5/+00 N/ 49+50E</u> LOGGED BY: <u>J. TOOKey</u> ASTING CORE SIZE: <u>BQ This Mall</u>											GTH: <u>-28944</u> [118.56 m TH OF OVB: <u>4.71 methe</u> NG REMAINING: <u>10 Feet</u> ERLINE LENGTH: IBLEMS:						
DEPTH stres)	ЧIС Н			VERY			ALTERATION	METALLIC MINERALS (%)	SAMPLE		DA	TA	RESULTS								
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4.7/-5.12	2	Bonded quartz-py-tet	rehedute						43 45 46	6.25 9.45 11.43	9. <b>43</b> 11. <b>4</b> 3 13.72	3.20 1.98 8.29	0.023 0.037 0.047								
5.18-5.50	-	Zone of intense chlorit	e ftole				chlorik, tak		17 18 19	/ <u>3.72</u> /6.76 /9.87	16.76 19.81 21.64	3.04 3.05 1.89	0.04 0.031 0.027								
/	9.56	fw, mt destroyed			· · · · · ·		······································		50 3330/	21.44 24.49	24-69 27,74	3.05 3.05	0.03/ 0.060								
<u>- 56-3</u> - E	<b></b> 211	Intensely propylitized of Rock is med - coorse grain auguanalian w/ 50-70% e	tiorite ed				proplikic		2 3 4	27.74 30,79 2246	30.79 32.46 35.51	3.05 1.67 3.05	0.067 0.056 0.046								
		plag (saussuritized) and 20-40% ext. mt. Prime	014				EOH		5	35 <i>51</i> 36.93	36.59 39.17	1.07 2:59	0.033 0.026								
		Almost completely alter	ed above 36	. 00 .00			······		7 	39.17 41.61 44.20	41.61 41.30 47.55	2.69	0.023 0.023 0.076								
		hematization on grain. to EOH. Below 36.00 m	surfaces remnant			·······			10	47. <u>5</u> 5 19.53	19,63 5151	1.9 <b>8</b> 1.98	0.041 0.095								
		evident and incrasing in	more	 					12 13	51.51 5 <b>4</b> 54 57.1	54.5% 57.61 40.94	3.05 3.05 3.25	0.067 0.167 0.07								
		for a a for							15	60.96	61.16	3.20	0.111								

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	)	TECK EXPLORATIONS LIMITED				HOLE	No	- 9/-,	H- 2				PAG	E 2	of 6			
DEPTH (metres) FROM TO	VPHIC	DESCRIPTION	OVERY	STRUC	TURE VEINS	ALTERATION	METALLIC MINERALS (%)	S4		E D4	ATA	RESULTS						
	G.R.		REC					SAMPLE NO	FROM	то	LENGT	н						
8.45-8	90 	Coarse prink euh. K-spor dispersed over interval	•			K-spor		33 <i>316</i> 17	61.14 67.36	67.36 70.41	3.20 3.05	0.090		Ť.	-	·		
13.62 - A	10	Irregular zones of upidote	•	· · ·	╡			18 19	70,41 74,49	73,49 76.50	3.08 3.01	0.07/ 0.069						
<u>3.25-14</u>	.30	coarse mt, high concentration				epilore, mr	-	20 21 22	79.55 87.60	79.53 82.60 85.59	3.05 3.05 2.99	0.04		+ + -				
2100-27.	\$0	Brecciqued zone w/ moderate			carb.	· · · · · · · · · · · · · · · · · · ·		23 24	85.59 5. A	<b>38</b> .49 91.74	3.10	0.013	]	-				
31,50-3		Intense evidate and k-spar				and the back	· · · · · · ·	25 26	94.74 94.79	94.79 97.84	3.05	0.047	·		···			
		alteration in discrete some			+			28 29	100.88 103.93	100.793 107.93 106.48	3,05 3,05	0.061 2.061		·· +···				
<u> 37.90 - 5</u>	.00	Patchy intense goidate alteration without K-spar				epidote		30 31	46.)B 110.03	110 33 113.09	3.05	2.006 0.005						
44.18-44	-18.	Fine grained and cite dyke		0\$ 15	• ···	··· ••• ••• ••• ••• •••		32 1333	11 <b>3.09</b> 5612	116.12 118-5-	3.03 2.44	2005 2005	·					
6.20-46	26	Mt reintet w/ Assoc. coase Pl, ep		<u> </u>	14,17,42	· ··· ··· ··· ··· ··· ··· ··· ···	• • = · · · · ·				· · ·-			· · · · · ·	┥╴╷ ┽╌╴┤			
54.21-54.	24	Mt vemlet abundt cause subh op intergrown w/ mt grains		C \$ 45	171, <u>4</u> 2	· · · · · ·					· - · · ·							
51.31		Narrow zone of epidate stringers, random onentation				epidote	· · · · · · · · · · · ·			-					<u>}</u>			
54. X-51.	<b>34</b>	Mt yein abundt coarse such cp intergrown w/ mt grains		C\$ 10	mt, çp		••• ••• •••			-	_							
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TECK EXPLORATIONS LIMITED			HOLE NO. DOH-91-H-2 PAGE 3 of														÷.	
DEPTH (metres) FROM TO		'E RY	STRUC	TURE	ALTERATION	METALLIC MINERALS (%)		S/	AMPLE	E D/	TA	RESULTS						
	DESCRIPTION	RECOV	ANGLES	UL 1143	·	+		SAMPLI NO	FROM	то	LENGT	•					Γ	
<u>59.94 - 55.97</u>	Fine grand pyrexenite		•		· · · · · · · · · · · · · · · · · · ·	1				1	1	1		· · · ·		-	<u> </u>	
65.55-55.62	Mt. vein w/ minor epidote		C 4 25	mt.	epidote								+					
7.96	Begin noting fresh eut, brown biokte. Jicurs à conse alots		······		bialite								+ - 				┇ <u></u> ┨	
· · · ·	aggregates w/ increasing frequency w/ depth. Appears						_				 		<b>†</b>		• · · ·		+ ·	
	to be secondary-ie potassic alteration tastare. Biotite observed throughout rest of						····	• •				+ +-					+	
	hole										<b>₽</b>							
61.62-6264	Epidote vein let		C\$ 62	epidote	• • • • • • • • • • • • • • • • • • •	· · ·-		İ			+ <i>.</i> .		i .   	= 				
72.87	Norrow exidet veinlet		-4 50	quitate	····	ļ					ļ	· · ·	<b>-</b>	• •			+	
7 <u>3.67</u>	Narron epidote veinlet w/ assa increase in abundance of fine argined co over 4 cm halp		C\$ 60	egidate ep	· ··· <b>···</b> ··· ··· ··· ··· ··· ······		· · ·		+ • • • • •		- -		+  	• • • •	···· ••		+ 	
76.27	Mt semlet 3cm wide w/ 0550c, coarse op		· · · · · · · · · · · · · · · · · · ·	mt, cp		·• · · ·			· ·	 <b>.</b>	- 	 	 	+ +	· · · · ·	· · · ·	↓ ↓ ↓	
78.70	Norrow mt veinlet, coarse qu halo		CÀ 60	mt, cp														
79.42-79.50	Patchy epidote alteration, assoc.				cpidate	• ·						- · -	+ +					
80.78-80 H	Fault w/ epidote olteration and		·		quidate, calate	• • -	-	ļ.				- -	 	· - · ·	 	· · · ·	 	

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	TECK EXPLORATIONS LIMITED			HOLE	No	91-	H- <u>2</u>	<u> </u>			PA	IGE \$	٤ (	of 6	· .
DEPTH U (metres) I		STR		ALTERATION	METALLIC MINERALS (%)	S/	AMPLI	E D/	ATA			RESU	ULTS		
	DESCRIPTION		LS VEINS			SAMPU NO	FROM	то	LENGTH						
81.48-90.28	Series of narrow, mt veinlets w/ haloes of coarse disseminated cp:			· · · · ·								· · ·	· · ·		
<b> </b>	81, 48	C44	2 mt, cp				+					·			
	81.57		o mt, sp	•··- ••- ··					1						• • ·
	83.10	C 4	o mt.go	• • • • • • • • • • • • • • • • • • •		ł		- - -	+- -						
	83.5/	- 20 4	1 ml, cp				l								
	83.60	<u> </u>	<u>10 mi, y</u>		· · ·	-			<b>+</b>						
	85.50	245	2 ml, q	<b> </b> 											
	85.86		0 m, 90_		- · · · · · ·		+ .					 			<u>↓</u>
P	86.72	<u> </u>	3 mr, 9	+ ·····	+ · -		+ 	 	- <b>-</b>	• • • - •	· ··· ·		·		+
	90.2 <b>8</b>	245	0 not co				+	•···	+		 	· · ·	· ·	· ·	+ ·
30.32-91.25	Zone of wispy irregular mt														<u> </u>
	stringers							-							<u>+</u>
90.78-91.03	70% mt + cp + py 10-15% cp as cooise grans		m+, 4, py	· · · · · · · · · · · · · · · · · · ·	 				-				 		<u> </u>
				· · · · · · · · · · · · · · · · · · ·	· · ·	 			1 -	 			₽ 	₽ ₽	

DEPTH O		RY	STRUC	TURE	ALTERATION	METALLIC	SA	AMPL	ED	ATA	<u> </u>	<u>···</u>	RES	ULTS		
ROM	DESCRIPTION	300	ANGLES	VEINS		MINERALS (%)	1		1		-	<del></del>	<del>.</del> —	1	γ—	- <b>-</b>
<u>το</u> υ		ŭ					NO	FROM	70	LENGT	١					
9/.74-92.92	zone of wispy irregular calcite stringers, associ weak cyillote alteration				calute epidote									· · · ·		
32.23	Narrow mt veinict w/ halo of coarse qu	·	CA 55	M. 4				1	1 							+
92.88-92.93	Fault - chlorite, epidote and calcite in intense mykonite zone		· · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	chlorite quidot, calcite	· · ·									  	
2-33-	Serves of narrow mt veinlets w/ haloes of coarse disseminate	0														
	93.53		CÅ 59	nt, cp											 	
	94.75		C9 95	mt,q	···· ••• •• ···· ··· ··· ··· ··· ··· ··	· ·· ·· · · ·						·	· · · -			<b>.</b>
	96.51 4 cm wide		CA 50	mt, çp		<b>┦-</b>		·			 	·	;	· · · · · ·	<u>-</u>	
	36.70		CA 60	m1,4	· · · · ·	· · ·		· ·	•••••	i 			·	4		
			CA 50	mt, cp								· · ·				
	97.68		CA 45	716,40 mt 11					-							
9 ca- 10/ 46	Zana ak waay dala la ak			/m, q											- <b>-</b>	-

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		TECK EXPLORATIONS LIMITED			<u> </u>	HOLE	No. DOH-	91-1	4-2	·	=		P	AGE	6 (	of G	· .
DEPTH (metres) FROM	APHIC	DESCRIPTION	OVERY	ST RUC ANGLES	TURE VEINS	ALTERATION	METALLIC MINERALS (%)	S/		E D.	ATA			RES	JLTS		<u> </u>
то	23 19		REC					SAMPLI NO	FROM	то	LENGTH						
<i>99.33</i>		Narrow mt vem let w/ halo of coarse ep (6 cm vem let)		CA 50	mt, 40											· · -·	
102.70-103	.12	calcite versing on shears	·	2017	calcite	• · ···				- • •• ••							<u> </u>
<u> 13.73</u>		islaik - epidoke vein het		ca 50	esterte apidote	· · ·								· ·			
104.05-101	1.27	Zone of irregular wispy calcite stringers	· · · · · · · ·	· · · · · · ·	··· ··· ·· · · · · ·							-					·
105.02-105	:35	Fault w/ calche verning		c 4 35	calate			 	 		- 			-	· · ·		
106.41		Navou mt Veinlet w/ halo of course cp		<u> </u>	mt, cp	······································	·•····································	} }			+i + i	+  +	··		 		
108.71-10	9.00	Weak patchy explore alteration, assoc. minor fine graned py-cp				Epidole											
115.41-115.	46	strong cyidote alteration				Epidote					i	·				· ·	
115.49-115	.60	Carbangte vein	· ·		·····	· · · · · · · · · · · ·	· ·				-		. [	• -			
11697-117;	8 	Fault - intensely chloritized, hematized mylonitized diorik intervals of gover			···	chlorite hematite	 		· · ·			· · - · · · · · · · · · · · · · · · · ·		 			
117.75-118 ± EOH	56	Free to med graned pyroxenite, propylitized and								-			· · · · · ·				
		henghhic, yery coase mt				·									· 4		
			- 1		1		1	[ ]			1		- 1				. 1

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TECK EXPLORATION        DIAMOND DRILL LOG       COMPANY       PROJECT	S LIMITED	015m 950 525	HO DATE : COLLARED GU : COMPLETED GU : LOGGED _GU LOGGED BY : P.D.C CORE SIZE :	LE NO. DE 4,91 O 6,91 O 7,91 O 	H91H3 -90 -90	PA LENGTH DEPTH OF ON CASING REMAIL WATERLINE LI PROBLEMS	GE la of 4 110-03 /B: 17-83 NING: ENGTH:
DEPTH U (metres) I FROM I TO	RECOVERY	STRUCTUR ANGLES VI	RE ALTERATION	METALLIC MINERALS (%) SAM		ENGTH	RESULTS
0-1783 overlanden 1783-3500 Chl-Ep altonad die 35.00-3779 folderen porphyry dyta ( 5779-110-03 Chl-Ep altonad die	nite margarite?) 12 98	2		533 533 533 533 533 533 533	55 17 53 21 03 55 12 03 23 16 35 23 16 23 16 35 24 5 27 15 55 24 5 27 15	30) 2:13 1:53 2:44 3:01	
				32 35 35 35	59 30 17 53 22 540 33 22 35 00 541 35 00 36 21 542 76 27 37 79 542 31 79 29 43	3:05 1:70 1:27 1:13 2:11	
				31 37 37 37 37 37 37 37 37 37 37	34439-93 4206 545 42-28 45-11 546 45-11 48/6 347 49/4 52-12	2:13 3:05 3:05 4:01	
				35 33 33 33 33 33 33	948 52-12 55-11 349 55-17 57-30 360 67 9060 35 351 60 35 63-40 362 63-40 64-31	2:00 2:1/ 3:05 3:05 3:05 041	
				55 35 55 35	353 64 3165 81 354 65 8168 28 355 68 28 70 1 356 70 1 173 - 46	<b>195</b> 244 213 305	

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	Į	TECK EXPLORATIONS	LIMITED				НО	LE No.	-00	<b>HJ</b> [H	3		•	PA(	ie Ib	
DIA COMPA PROJE PROPE	MO INY. CT.	ND DRILL LOG	NTS CLAIM ELEVATION _ GRID COORD NORTHING EASTING	)			ATE : COLLARED				<u></u>	LE CA W/ PR	PTH SING ATERLI OBLE	: REMAINI INE LEI MS:	3 : NG : NG TM :	
DEPTH (metres)	HIC			VERY	STRUCT	TURE	ALTERATION	METALLIC MINERALS (%)	SI	AMPLI	E Di	ATA	Ī		RESULT	٢s
FROM	GRAF	DESCRIPTION		RECO					SAMPU NO.	FROM	то	LENGT	•			
				<u> </u>	<u>+</u>		-		3335	8745	195	304		+ +		
		. <u></u>							335	795	807	1.22	<b></b>			
					<u> </u>				33361	80.77	932	2.44	!			
					ļ				335(	1 832	95%	2.44	ļ	┇		
					łł				5136	48535	67.79	12:13	┝╼┅─	┥╸┥		
					<u> </u>				3536	10775	0 70 0	1 <u>305</u>	•	┥╼╺┝		
							··· <b></b> ····	·	222	07.6	1750	25.62		+- +		-
					<u>†</u> ↓				3554	97.23	10029	305	t	<u>+</u> +		
									33X	1100-22	103-3	3:05	·	( _ ]		
					ļ		<u> </u>		355	103-73	101-39	3.05	<b>_</b>	+		
					<b>├</b>				3356	106.3	169.4	4301	·}	ŧ ·∔		
									3557	1014	<u>7 110-0</u>	1061				
				<u> </u>	<u>+</u> +		······	+	<b>∮</b>	+	+		<u> </u>	╉━╍╌┼		
							· · · · ·		$\vdash$	<u>+</u>	+	1	t –	<u> </u>		
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		······································									]					
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		TECK EXPLORATIONS LIMITED				HOLE	No. 200	H01H3					PA	IGE Z	2 (	<sub>2</sub> , 4	1
DEPTH (metres)	PHIC	DESCRIPTION	VERY	STRUC	TURE VEINS	ALTERATION	METALLI	IC S. (%)	AMPLI	E DA	TA			RESU	ILTS		
FROM TO	GRA		RECO					SAMP. NO	FROM	10	LENGTH						
0H7-83 11-83-366		<u>overburden</u> <u>Cll Eo alt Dio</u> <del>our nun med grained equipample</del> disiter them all alterning to all	· ·		······	ell Ep	Ry 55 Gy 11	: 335 355 359	21-03 6 23-16	2103 23/6 246	30  2·13 1·53					 	
		(usually emidating outward from fronting in real) - make grains. consist of broke allocked and magnetic (possibly some pyrocene				· · · · · · · · · · · · · · · · ·		33337 33337 33337 3334	246 27-13 3017 3372	27-13 30-11 3322 35-20	24 30 178	-			· ·		
		Amouning) - Telebis Dy-stars con grains ( very fine) + roch is cht by a nethered of fairline (then con flockings ( don mant con angle 25) - 55.2 din Mt				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	3334	3500 2 3( <i>I</i>	3621 37-19	143	· · · ·	· · ·	· · · · ·	· · · · · ·		
17:83- 18:25 19:45 23:40		mod Fe- Ox staining along factures - 2000 will Fe stained for weighty - 2 mm under Fe stained Ca verifiet - 2000 will Fe stained Ca verifiet			₹40° ₹38° ₹38°								· · · · ·		· • •		
25:07-35 32:75-32:5	× 	57% dis Reinere der Gry Shory all latt many for a neuto (2non-timberide 1/200) - Zom wich gren gren clay		part \$30		· · · · · · · · · · · · · · · · · · ·		· +	· · · · · · · · · · · · · · · · · · ·	+			· · · ·		•••••	   	+ + +
52-00-35-0	,	- minor K alt within fillepass		· · · · · · · · · · · · · · · · · · ·		·	· · · · · · ·	••••••••••••••••••••••••••••••••••••••			• - ••	··· ••      •	• • •		• • • • • • •	4 - 4 -	• •
36-00-37-7	2	Feliger poply dyle (monorite?) - red counded allavitie work with 35% I 3mh long along the peliliper pleasing and 5% 5mm - 2m long selfergular ortholase? pleasing selfergular self orenge (Fr carlbalij K; Hand)		attat #45		100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<u>Ances</u>		· · · · · · · · · · · · · · · · · · ·								
		ut in both groundword and plants				l											

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	TECK EXPLORATIONS LIMITED				HOLE	No	DDH91	H3					PAGE	3	of 4	
DEPTH 이 (metres) 규	DESCRIPTION	VERY	STRUC	TURE VEINS	ALTERATION	MET	ALLIC ALS (%)	S	AMPLI	E D/	TA		RE	SULTS		
FROM 4		RECO						SAMPLI NO	FROM	то	LENGTH		4,			
35-00-177	Telderan Poplany dyle (margonite!) int - 790 gray clade Wory fractices of work 1- mary (VSch.) Lawline Ca. proctaneed (dominant \$ 10°)				need orange (!)							· · · · ·		· · · · · · · · · · · · · · · · · · ·		
	lowon contact (faut contact)		paut 20°	· · · · · · · · · · · · · · · · · · ·	• · · · ·				1	ł					╊╍╺╉ ┪╶╺╺┥	
37-79-110 03	- med graned gran - mon	·	······································	······································	cli, Ep	sPy 5	8 Goy Tr	3334 3214	37 79 37 93	399 42 0	2:14 2:13				· · · · ·	
	all att- weed up all (majorly eniralized or all (majorly emiralized or allong but		· · · · · · · · · · · · · · · · · · ·			 	• • • • • • • • • • • • • • • • • • •	3334 3334 33347	42.06 45 // 48/(	45/] 48·16 52·12	305 305 401	·	· ·	··		
	fits ( dominant of 35° )-making fits ( dominant of 35° )-making consists of gell and bis and MT		[ 					3358 3358 3358 5350	52-12 55-17 51-32	55-17 573) 6005 1241	2.68 2/11 3 <b>05</b>	· · · · ·				
	of original pyrome - 55% due Py - name due care (very find) - ZE 9, due Htt		ca tet		· · · · · · · · · · · · · · · · · · ·	· · ·		33352 23352 33352 3552	63-10 61-3 (5-9	64-3 65-84 69-28	0.91 153 2 <b>4</b>		····			
9635-4278	to the sich interval (65% bitted) to 16% b-2000 die progratuly shaped jaktopen block - 23 this		470°		······································		  	3335 3335 33357	6828 70:1 23:16	10A.  73Ab 7651	2:13 3:05 3:05		 		}∔ ₽+	
15.90-46-21	- marcel or : 0% bid 30% chl and 15% Ep					+ +		• •			• •		· · · · · · · · · · · · · · · · · · ·	-+ 	┿╼╌╌╄ ┽╼╶═╋ ┽╴╴╋	
52:00-55:00 60:70-60:75	- entite (30%) 2R auch internal Oz-Co rein			<b>465°</b>			·	• •	+ 			· •	-   		╡┄╶┨╴ ╋╺═╇ ┥──┥	
57-00-65-00 57-90-68-90 73-90-74-10	2 mm Gu Um 3 mm Gu Um			∠/0° ≰10°	······································	 				-	-	-		+		
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	TECK EXPLORATIONS LIMITED		HOLE	No. DDH91H3	PAGE 4 of 4
DEPTH (metres) FROM	U H DESCRIPTION	ANGLES VEINS	ALTERATION	METALLIC SAMPLE DATA MINERALS (%)	RESULTS
то	<u>1</u> 0	ŭ l		NO FROM TO LENGTH	
18:00-	- decalese in conjunt 53%	· · · · · · · · · · · ·		55350 7651 7955 304 23359 7855 8077 122	
18.00-82.40	-weak K-all (ining hing orling		··· •	7330 8017 8321 2.44 33511 8321 8546 2.44	
<u>80.75</u>	some that is apilote	p pout 235	- · · ·	333 6 0 0 0 1 10 2 73 31x 3 8778 90 68 3 05 33x1 90 63 93 68 3 55	
82113-8242	Ca very in morio (270) clay	\$ \$ \$ \$ \$ \$		3365 9368 9723 335	
	you on either side of sein containe much flesh colaised				······································
6308-850	(antrite?) attention			73570 109 4210 03 0 61	
225-9730	gran clay	a. 117 840 × 40°	· · ·		
17-00-95-00	- weat K alt along inequality		······································		
100-10-101-15 102-50	internal to tob fin ye has orded	4/50			
	Lato in wallood that		- · ·		
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190-25:10     Ill - gp - alt dimite     13373 26:05 (27.43) 1:38       190-25:10     Ill - gp - alt dimite     35374 22:45       190-25:10     Ill - gp - alt dimite     35374 22:45       190-25:10     Ill - gp - alt dimite     35374 22:45       190-25:10     Ill - gp - alt dimite     35375 30:48       190-25:10     Ill - gp - alt dimite     35375 30:48       190-25:10     Ill - gp - alt dimite     35375 30:43       190-25:10     Ill - gp - alt dimite     35375 30:43       190-25:10     Ill - gp - alt dimite     35375 30:43       190-25:10     Ill - gp - alt dimite     35375 30:42       190-71:60     Ill - gp - blt dimite     98%       190-71:60     <	
1110     13574     21451     3048     35574     21451     3048     3555       510-2665     1201-0     - alt     2100     35575     30-10     3555     30-55       605-6695     1201-0     - alt     2100     35575     32-55     30-55       6495-6175     maple     35376     33-515     30-10     35377     35-32     3-36       735-6740     - blt     clonik     /pognatik     3357     3137     35-34     312     3-36       140-7160     maple     33577     32-34     335     3-52 </td <td></td>	
33751     121: op - alt divide / progratite     33751     20.19     33551     305       6.05: 695     121: op - alt divide / progratite     33771     3576     33537     3576     33537     3576     33537     3576     33537     3576     33537     3576     33537     3576     33537     3576     33577     3576     33577     3576     33577     3576     33577     3576     33577     3576     33577     3576     33577     3576     33577     3576     33577     3576     33577     3576     33577     3576     33577     3576     33577     3576     33577     3576     33577     3576     33577     3576     3577     3576     3577 </td <td><u> </u></td>	<u> </u>
10010     33508     3353556     2.45       125-6315     malie     33377     3553     39.32     5.36       125-6319     280°     33377     3553     39.32     5.36       125-6319     280°     33377     3553     39.32     5.36       125-6319     280°     33377     3553     39.32     5.36       125-6319     280°     33377     3553     35     355       140-1150     malie     98%     33587     35     35       160-112.77     close     98%     98%     33587     35     35       160-112.77     close     98%     98%     33587     35.72     48     71     52       150     33587     50.23     37.55     37.56     37.56     37.57     48     37.55       150     33587     50.23     37.57     37.5	<u> </u>
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1160     33378     79.32     42.67     3.35       140-7160     35378     79.32     42.67     3.35       160-11277     cll-ap-blt climite     98%     31587     45.72     45.72     305       160-11277     cll-ap-blt climite     98%     31587     45.72     48.77     15.22       160-11277     cll-ap-blt climite     98%     31587     48.77     15.22     305       1500     31587     48.77     52.23     305     33587     63.24     62       1500     33787     67.3464     63.205     33787     67.3464     62       1500     33787     67.3464     63.05     33787     67.91     3.05       1500     33787     67.91     3.05     33884     80.8     64.00     3.04       1500     333884     92     64.00     3.04     33386     67.00     67.05     3.05	<u> </u>
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DEPTH	ç		Å	STRUC	TURE	ALTERATION	METALLIC	S/	MPL	E D	ATA			RES	JLTS		<u></u>
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то	GR/		REC					SAMPLI NO	FROM	то	LENGT						<u> </u>
0-3.09 3.09-855		<u>Situation</u> <u>Situation</u> <u>alt-op alt)</u> <u>open gray and granded conjectandon</u> <u>dis-mail all</u> alt-well				cht ep	P.9 **	+   		-					· · · ·		<u>}</u>
		Ep alt comincting octword sclong pactures of rock)-25% his H - white consist of tria-cht- Mt and processe - have done for				· · · · · · · · · · · · · · · · · · ·		- - -					 - 			· · · ·	
9:09-7-00 P 1:15 9:5-70:90		- month fe-Ox staining along / factures Imm Ca Un			\$ 30°		· · · · · · · · · · · · · · · · · · ·			· · ·		· · · ·	 	-	· ·	· - · ·	
		- pur gray for grand date - pur gray for grand date - unth 15/20 1-2mm long - elongate blocker obsoriets		control \$5,1?				<u>3337/</u>	18·21	20.95	2.66		····				
		- 20% for all hatter flake - Un dis hy min che all-min (Year Ca fite - convert car angle is 35°				· · · · · ·	· · · · · · ·		· · · ·							1	
990-1010		chart interval		····	• • • • • • • • • •		· -·		_	-					• • • • • • •		i
20:55-2010	 }	5000 well Ep windt with 1000 wich alt halo is wellood	-		≰60°	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			·•			• •	· · - · ·	·		
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		TECK EXPLORATIONS LIMITED				HOLE	NO. DOH91H	4		<u> </u>			PAC	≥E 3	of	5	
DEPTH (metres)	с Н		VERY	STRUC	TURE	ALTERATION	METALLIC MINERALS (%)	SA	MPLE	E D/	TA		F 	RESUL	.TS		
FROM	3RAP	DESCRIPTION	SECO					SAMPLE NO	FROM	то	LENGTH	 					
10 25-10-26-05		Aldopan Production Darte green grey for gravied dirte		contract 44	o	al	Ry Tr	35587	25-10	26-04	095				·	د •	·
		player plance - 20% for on broute plades to close py forming all helt minor - minor & 30cm Ea fide		· 									 				
2(-05-64)	5	course to ned grand gray green				Ep. Cl	50y 832 Py 7-	33533 33314 33315	2(0 27 13 30 4(	27-4 3 30 4 3 3 5	3/38 67.05 23.05		· · · ·	ا 	₹. +	 	 
		facture and environment						3311 3537 3337	33-3 35-14 3 39-3 426	2 32-3 2 426 7 45-7	2 <u>3 36</u> 7 3 36 7 3 35						
	 	- Solid (1/Scon) (flowment counglest - 532 dies Gry the dies Py - tootune same from performente	₽  		<u>↓</u> ↓ ↓ · · ·=			708 33-8 3358	487. 487.	2 48 7 50 2 9 53 3	13.05 11.52 13.04						
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4.95-45	5	10% Ep along inequilarly stoped	1							1		+	<u></u> 				
45-55-450	3	- 70% handie jaldopen	1							-+ .		-+	↓ , ↓			• • ·	·
41:00-5060 53:00-689	р Б	- core in russing						+		-	+ .	· [ · ·	<u> </u>				
57.60		Sour Car your is studenedes			4250-				-	-1		1.	]-				
10-15-63 10		green grey aplanitic dyle it mad		الم السماري	0<				1			1	]				

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	TECK EXPLORATIONS LIMITED		·		HOLE	No.	DOH91	<u>#4</u>					PA	GE 🗳	o	<b>1</b> 5	
DEPTH O (metres) T		VERY	STRUC	TURE	ALTERATION	ME	TALLIC RALS (%)	SA	MPL	E DA	TA			RESU	LTS		
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6400-1400 5600-8400	minos Fe-OX staining along fills relieve clay alt in many of the Car devialet		Jr 7503	· · · · · · · ·	· · · ·			33386 333 <b>86</b>	6096 61,00	6100	3.01 305	1				· · · · ·	
6695-6125	5% corry - green aplante had ( upl) male Ayle men greaf adjointy relatively per routeurth 15% pelson spiks		\$25°														
<u>5175-6170</u>	Che Ep alt Die & Permitis - and to course poined gray green diente - ations che alt minon Ep alt (alog / peti) - > The die 14		· · · · · · · · · · · · · · · · · · ·		chl-op	Pytr	971r.	3335	67 <u>15</u>	69 10	<u>F</u> 65		··· - ···				
<u> 58:22-6950</u>	- much the and the in wefers to die Goy sta dies py - chloritud internal it 253 Goy and 53 fy - in open aplanitic hoch (chule 20		<b>≭</b> 75°?		· · · · · · · · · · · · · · · · · · ·	·		•		+ - - 	·					···	
(9.40-716)	Defin Dyla man rily adamitic relatively that shall with 152 feldyon speen		₹2.5°		· · · · · · · · · · · · · · · · · · ·	• •	 	3339 3339 3339 33992	7160 7345 762	73-15 7625 78-24	155 3-05 3-04	· · · · ·	· · · · ·		<b>-</b>		
71.60 -112 71	Che - Ep att Nice				chl-zp	Pg-10	<u> </u>	33391 3339 3339 3339	81 01 83 51 85 34	81 07 93 5 95 3 86 8	2:44 2:03 1:52		 	·			
	-mal chl att-lived-making consit of the - chl - Mt (27% from) and shina proprieses? - Toglies fit - rock is cut all mina Cathers (1/10)					+ - <u>-</u>	- · -		·				· · · · ·				
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	TECK EXPLORATIONS	LIMITED	)			но	LE No.	2	DH	-91	′− <i>H</i>	-5	PAGE	/ 。	13
DIAMO COMPANY PROJECT PROPERT	ND DRILL LOG HEATH	NTS 33 CLAIM 2 ELEVATION GRID COOF NORTHING EASTING	10. <u>4</u>	6 7H 1 18+00 N/S	50150E	DATE : COLLARED A : COMPLETED A : LOGGED LOGGED BY : J. TOC CORE SIZE : BQ TA	<u>UG. 7</u> <u>UG. 8</u> <u>DHEY</u> <u>IN WALL</u>			AZ	LE DE CA WA PR	NGTH PTH C SING J TERLU	<u>340</u> REMAINING NE LENG WS :	44: / 10 3.94 :	93.63 m m
		<u></u>	RY	STRUC	TURE	ALTERATION	METALLIC	S4	MPLI	E DA	TA		RE	SULTS	
FROM C	DESCRIPTION		ECOVE	ANGLES	VEINS			SAMPLI NO.	FROM	то	LENGTH	90 (1)			
0-3.96	Overburden	•	œ					<b>3</b> 42	3.96	6.10	2. <i>H</i>				
								, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	6.10	9.14	3.04				
3.96-103.65	Medium to coarse grain	ed							9.14	12.19	3.05	1			
	equigranular hornblen	de						5	12.19	15,24	3.05				<u> </u>
	mognetite diorite. 6.	<u>o - 70 %.</u>		···· ·			·	6	1524	18,29	3.95				┦──┤──
	plagioclosa (saussurit	red).			······	+	·		18-29	21.33	3.04				┥
<b></b>	No K-teldspor altere	then of						8	21.33	2438	3.04	+			
	plagioclase, Potassic	<u>ç</u>	· —					?	24.38	2643	205	+		· +·	┥╸··· ╾┽─── <del>╸</del>
· · · · · · · · · · · · · · · · · · ·	alteration seen as k	ocal	i			<b></b>		10	24.43	213	1.00				
·	potchy zones of sec	ondory						- "	2743	30,*	3.03				
	brown brokke replace	(14 g		ļ					3046	37.53	3.07	1			
<u> </u>	pernalende.							/5	55,55	36.57	1.04	┥───┥		-	┝──┥━━
	<del>_</del> <del>_</del>	· · · -					·	#	36.51	39.62	3.05	1—	└ <u></u>		
<b></b>	Poorly developed propylin	4/c	ļ	i		l		15	39.62	42.67	3.00	<b>i</b>	<u> </u>	- +	<u>├</u>
	alteration is evident		ļ			<u>                                     </u>	+	- 16	12.67	45.72	3.05	1	┝──┢─	_ <del>_</del>	┝∤──
	throughout the hole as	<u> </u>		ł				17	15.12	48.77	2.05	I	┝──┥…		┝──┤~──
	narrow fracture-control	lled	<b> </b>	<b>.</b>	<b></b>	+		<b> _∕3</b>	98 <u>77</u>	51.81	3.05	<u> </u>	┟╾╶╴┟╶╍		<b>├   -</b>
	zones of epidote repi	acement	₋	<u> </u>				19	51.81	53.69	1.88	<u> </u>			┝╌╸┝──
	and occosional calcite	-cstorte		ł			+	20	53.69	56.39	2.70		├	-	┟┄══┫╌═╦
	venile+s.			L		l		- 21	56 32	57.91	1.52	-			ļ <u> </u>
				ł		<u> </u>		22	57.91	60.96	3.05	1	┟		┥
26.43-21.43	Basalt dyke			<u> </u>			+	13	60.96	64.00	3.04	<u> </u>	┝╌┝━		┟╌┠╌╸
								24	64.00	67.05	3.05	<b> </b>	├	-	┟───┟───
								3425	67.05	70.10	3.05	<u> </u>			

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		TECK EXPLORATIONS LIMITED				HOLE	No.	DD4-	91-	<i>H</i>	5			PA	GE 2	2 0	13
DEPTH	Q		à	STRUC	TURE	ALTERATION	ME	TALLIC	S,		E D/	ATA			RESU	LTS	
(metres)	H	DESCRIPTION	N N	ANGLES	VEINS	]		RALS ( 767	ļ		τ	, —	~	r		T	
то	GR/		В П С						SAMPU NO	FROM	TO	LENGT	To Cu				
		Magmatic magnetite occurs			1				3426	70.10	13.15	3.05					
		throughout the diorite as			]				27	13.15	76.20	3.05		Ì	.		- 1
		medium-to coarse-grained	I _	<b>.</b>	ļ				28	% ZO	78.80	2.60		.	;	ł	
		disseminations. No magnetite			L	· · · ·	1		22	79.62	80.77	1.09	+	<u>↓</u>	h		
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		observed.	ļ ·	. <b>.</b> .		- ·	-		31	82.18	85.34	3.16	ł			· · •	
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		grained diorite	[	<b>_</b>						]		1					
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	4	Disseminated chalcopyrite				L		<b></b>		4	Į		l				
<b>;</b>		observed throughout most of	<b></b>	· · -		<b>-</b>	+			ł	{		+	• ·· •		-+	
<b>}</b>		hole Megasciphially-visible	+ <b>-</b> -	<b>{</b>	<b>+</b>		•••			+ -	ł	·	ł			· +	···- • • • • • •
		grains seen at fairly regular	<b>├</b>	<b>i</b>	<u>↓</u> · · · · · · ·	4			1	- 1		<b>I</b> .	+				+ .
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DIAMOND DRILL LOG COMPANY PROJECT PROPERTY	NTS CLAIM ELEVATION GRID COOP NORTHING EASTING _	<u>3 N</u> <u>(EA</u> 10. <u>5</u>	/ 6 T H / I 3+00 N / 3	577720E	TE : COLLARED A : COMPLETED A : LOGGED AUG DGGED BY : 7.72 DRE SIZE : <u>BQ 7</u>	206.8 <u>0E</u> 206.9			<u>.</u>	LE DE CA WA PR	NGTH O PTH O SING R TERLIN	<u>344</u> F OVB : EMAINING E LENG IS :	: <i>474 /</i>  i: TH :	<u> </u>
ЛЕРТН Q		RY	STRUC	TURE	ALTERATION	METALLIC	SA	MPLE	DA	TA		RE	SULTS	3
erres) T DESCRIPTION		Ň	ANGLES	VEINS		MINERALS (%)								
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0-5.18 Overburden													$\square$	$\square$
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manetite diorite	60-70%						ŧ			├──-	┼──╀			+
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variable intensity :	seen													
throughout hole .	Generally													
pervasive seen as	spotted													
Orange-pink colourg	tion of									[				
Feldspar component	of				<b></b>				<u>-</u>					<u> </u>
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K-feldspor somes d.	stribyted													
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intense zones of K-	feldspar						Į			L	↓ <b>↓</b>			$\perp$
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	5		Ř	STRUC	TURE	ALTERATION	N	METALLIC	S4	MPLE	D/	ATA			RESU	LTS		
(metres)	HA	DESCRIPTION	OVE	ANGLES	VEINS					J		T				T		
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		observed on cursory wetting	-			·	1		1			1					<u> </u>	
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DEPTH Imerces   U g g g   DESCRIPTION   Image: structure index in the index	DIAI COMPA PROJEC PROPE	NY _ NY _ CT _	TECK EXPLORATION	ONS LIMITED NTS _93 CLAIM 29 ELEVATION GRID COOP NORTHING EASTING _	N/6 noth  4 4	2 3 245m 095 258	D	HO	LE NO. 9,91 10,91 		H91H 01P14 ·90	17 vz. 	LE DEI CA: WA PR دلت	NOTH PTH OBLEN	PAC FOV REMAINS NE LE AS: L AS: L AS: L	3E / 0-17 B: NGTH : NGTH : NGTH : NGTH : Counce	of	
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DIAI COMPA PROJEC PROPE	<u>MOI</u> NY _ CT _ RTY	ND DRILL LOG 1317 - Haath	NTS 97 CLAIM 1 ELEVATION GRID COOM NORTHING EASTING	SN/ 13 13 13 13 13 13 57	6 E 22 580m 13		NTE : COLLARED Que : COMPLETED Que : LOGGED Que DOGGED BY : DUL A DORE SIZE : BQ	10.91 000 11,91 0 3,91	TH DIP -90	AZ	LENG DEPT CASIN WATE PROB	TH : 10 H OF OV IG REMAIN RLINE LE LEMS :	9-72 b : <u>3-05</u> ing : ng th :
DEPTH Imetres) FROM	APHIC	DESCRIPTION	<u></u>	COVERY	STRUC	TURE VEINS	ALTERATION	METALLIC MINERALS (%)	SAMPL	E D#			RESULTS
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48.30-1097	2	KEP all chinits		7710				+	714 44		2.31		
				+					3342 571	1 60 96	305		
	-+			<u> </u>					3345 60.9	14.0	304		
				<u> </u>					2344 (100	6675	2.75		
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	+			+				1	27491 750	76.8	1.69		
			·····	<u>†</u>					CC44 754	729	3 05		
				<u> </u>					7345 78.9	1 80 7	1.83		
			···· - ···· -	1					3450 90 T	83.5	274		-
				1					7315	65-34	1.83		
				1			·····		21452 85-3	1883	3.05		
				<u>+</u>	<u>├</u> ─── ·				73453 (PB 5	91.44	12:05		
	+		•	<u>† – – –  </u>		· · · · ·	······································		C45 414	194.4	93.04		
	+				<u>+</u>			<u> </u>	77455444	9699	240		
					<u> </u>			+	7744 44	2.48.59	1.70		
				+					1240149.0	1	2.01		
				-	<u> i</u>				7740 100.00	2 1000	12.02		
					<u>}</u>			·· <del> -</del> ····	77469 1034	0,024	41.0X	-+!	
		-		+	<u>+</u>	-	·····	+	714/0 /024	10.67	2.04		
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	TECK EXPLORATIONS LIMITED				HOLE	No. DDH91	HВ					PA	GE 2	2 0	14	
DEPTH U Imetres) H FROM 4 TO 5 0 - 3:45	DESCRIPTION	VERY	STRUC	TURE	ALTERATION	METALLIC MINERALS 1%	SA	MPLE	DA	TA		1	RESU	LTS		
FROM TO		RECO					NO	FROM	TO	LENGTH						
0 - 3.92 3.05-4830	- overhunden - med granned agrissanular		· · · · · · · ·		edl-1K-6p	Rys						1 	-			
	alt were Kand Ep alt form to (along fate in cock and eminate		· • · - · · • • • •							• • • • • • • • • • • • • • • • • • •			+			
	Mt (286 of work), cl		+								-+	ן: פ גיין גיין גיין גיין	ا ا	•	•	
	Ep-K pite is 50°, Fidini Ry							 	 				<del>ہ</del> ۔ ۱ ۲	·· ••		
305-500	- shing A med Ep all						-		· · ·	+						
12:20	· 3 mm write Ep wein it 8%	· -		₹60°												
1260-1205	Kalt band centered on 2mm unde Eo vern	<u>+-</u>	·	a 50°		• • • • • • • • • • • • • • • • • • •	1 -		- · ·							
2.1.00-	12 dies py, muror (1/1m) families Py has tube - dominant core avale 45	a								<b> </b>					-	
33:00 - 37:20-4880	malduk Kand Ep all			435°		· · · · · ·			·	• - · · •	┥╾┽		··		· •	
4305-438	· 3 en write op vrein succonsided			<b>₹</b> 30°	·····				 							
13-80-109-72	K= Ep. altered Dionite. 	u.			K-Ep ch	tr By, non g	/- 									
	k att and en alt - Councilly found along fractions and Kis found			<u>↓</u>		··· <b>4</b> • ··· ·· • <b>-</b> ··· ·· ·· ··		+				 	·			
	K at and & alt - En usually fairly along fractures and Kis found in the spularly stopped bloke along									+ ·					-	-

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	TECK EXPLORATIONS LIMITED				HOLE	No	<u>. Dohan</u>	48					PA	GE	3,	or 4	
		ERY	STRUC	TURE	ALTERATION	MIN	ETALLIC	s/	MPL	E D/	ATA			RESL	JLTS		
FROM C	DESCRIPTION	ECOVI	ANGLES	VEINS				SAMPL	FROM	TO	LENGT	Į				<b></b>	<u> </u>
47-80-	frontines - to dies _ Py, race fire fronting due opy (often within the epidote) - motion consist of proposers and H1(25) of pol	<u>~</u>		· · · · · · · · · · · · · · · · · · ·	K-Ep:CAI	Tr	Py, Reality	3343 3343 3343 3342 3344	487 518 5120	5181 54.20 51.64 51.64 51.91	3.01 2.39 0.40 3.31			-			4 4 1
54.10	- with train amounts of chlorite and brothe - musin (a semilate (1/100) - dominant eve angle 50. 2 cm wide Mt vain with			\$_50°		•		3344 3344 734	579) 60% 5100	60.96 61.00 66.75	305 301 275	- - -					
54.20-5460	(3% Py) - Mt ween in 35% 2mm-2cm chin subergular, chl- Kalt die elester - 3% fly in			<b>₹</b> 5°?										 		+	 
54.83-5983 66.50-7800	Ep-Mt vein	-		₹ 55°					• • •	<b>-</b> -		- · ·					 
75.00-7520	Ca prein ir 802 ablack optimite material and alle contain			4.10°	· · · · ·			334 334	72 6	746	176	) ) )		 		+ +	+ +
8250	20% Py, 10% Ep and tr Gy			4.5°	· · · · · · · · · · · · · · · · · · ·			334 334 334	75-99 176-14 90-14	189 189 1807	13 <i>0</i> 5   <u>  -</u> 13   <u>2-7</u> -	" 		· -···			
8632-8637 87.95 9200	6. very in 10% CAR 50 Ca seen with 20% fy more amount of (1/m) 1-Amu write Mt. Eo Ry scendate reformer	t.		<u>4 80°</u> 4 80°			······································	3345 375 335 335	183 <i>51</i> 2 85 3 396 3 91 1	8534 1885 1914 1914	1183 3 0 1 3	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5					
10460-10468	Can well in 209/11, 15% Ry, 79 Ep			\$,70°	· · · · · · · · · · · · · · · · · · ·		 	3345 3345 3345	5 91 1 ( % 9 ( 98 5)	896-81 8 <del>78 5</del> 10051 8 102-4	2.40 1.70 2.02	2				 	

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		TECK EXPLORATIONS LIMITED				HOLE	No. DDH9	HB					PA	GE	4	or 4	!
DEPTH	ų v	<u>                                      </u>	RY	STRUC	TURE	ALTERATION	METALLIC	S		E DA	TA	[		RES	JLT\$		
(metres) EDOM	Ha	DESCRIPTION	OVE	ANGLES	VEINS		MINERALS (%)						·				
TO	GRA		REC		-			5411-11 NG	FROM	то	LENGTH						
106:33-10	53	- Ca ven it 306 Mt and 76 Py			440°	· · · ·	-	3345	102 60	10163	1.03				<u>.</u>		
20-00		1 cm write a vein with	·	L	470°		1	33460	10363	106.61	3.04			[			
		101. Ry		<b>-</b>			-	75%	106.61	1097L	305	-		ļ	ļ	ļ	+-
109.72	-	<i>E0#</i>						┥	<b>.</b>			<u> </u>			┥──	┣	+
<u> </u>				╉ → · · · ···		<b>}</b>	i	1	{		.	+ -			<u> </u>	┟──	+
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TECK EXPLORATION	S LIMITED	-		<u> </u>	ног	E No.	مف	ңагн	9			PAGE	l of	2
DIAMOND DRILL LOG COMPANY PROJECT PROPERTY		DATE : COLLARED GugH, 91 DEPTH DIP AZ LENGTH : 93.26 : COMPLETED Gug H, 91 O -90 DEPTH OF OVB : 3.50 : LOGGED Qug H3,91 CASING REMAINING : LOGGED BY : Paul Aborhandor PROBLEMS : CORE SIZE :												
DEPTH U (metres) I DECODUCTION		VERY	STRUC	TURE	ALTERATION	METALLIC MINERALS (	; S/ %)		E DA		<b></b> _	RES	.ULTS	<b>-</b>
	-	RECO					SAMPL NO.	FROM	то	LENGTH				
0-3-50 overlanden 350-7934 K-Ep alt durite		99%					3344 3344 3346	68-58 10-71 73-10	73-10	2.39 0.20 4.42			╶┨───┤	
							3346 3346	77.72	79.54	162 2.95			+ + -++	
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	TECK EXPLORATIONS LIMITED				HOLE	No. DDH914	19				<u></u>	PA	ge 2		or 2	
DEPTH (metres)		VERY	STRUC	TURE	ALTERATION	METALLIC MINERALS (%)	SA	MPLE	E DA	ATA	~~		RESU	LTS		
FROM TO		RECO					SAMPLE NO	FROM	то	LENGTH		<del> </del>				$\vdash$
0-350 350-713	K-Fp alterad divite K-Fp alterad divite may pained equipacular gray greent divite - mad K and Eplatt T-K and Ep unally found togethe - Ep as pring a forg pets in rock-K-eminate antivelige				КСр	Tr. Ry very race of									· · · ·	
<u>20 00 -23 (</u> D	fore factures in rock- form what all all makes control of proverse. All (55% drad) and menta Intelist - tass dre have - and on a consider for a long - for protune reasonably find along - for protune reasonably find along - for protune reasonably for a long - angle of of pactures is 60 bilensity of K palt is bes															
59.00-600 50.00-600 <b>7</b> 3.10-7330	0 minor lamatite , long fractives of sort 1 strong Kalt 23 die Ry - the cong 1 - black ca vein (lanch / en back cabentie marsh?) with 6 immed colleged the the check and 10 h by			2 30			<b>33</b> 40 3340	    	70·7)	2-13	· · · · · ·			·		
67 00-79 8 7934 9326	- min him along fractures in him along fractures in hi - flood coloured plants rach with 40% 7+3mm long floresto player planaryste - min I duele Car fractures (biominist on angle 5		contract \$16	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			3.314 <u>3.346</u> 3.346	1 73-10 73-3 77-11 79-3	2 73 3 2 77 7 2 79 7 18 22	0 02 2 1-11 5 162 5 295			· · · · · · · · · · · · · · · · · · ·			

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	TECK EXPLORATIONS	LIMITED				НОГ	E No.	<u>004</u>	9 <b>11</b> 1	<u>a</u>			PAGE	of	3
DIAM COMPANY PROJECT PROPER	OND DRILL LOG 	NTS CLAIM ELEVATION GRID COOR NORTHING EASTING	3N/ 	16E 2- 150m 14	D	ATE : COLLARED Que l : COMPLETEDQUE L : LOGGED Que L OGGED BY : Paul A ORE SIZE :	2,91 <u>DEP</u> 3,91 <u>C</u> 1,91 <u>—</u> ) <u>or her</u> bot <u>—</u>		45 s	<u>8°</u>	LE DE CA WA PR	NGTH I PTH OF SING RE TERLINE OBLEMS	91.7 OVB : 3 MAINING : - : LENGTH	5.66 	
DEPTH U			ž	STRUCT	TURE	ALTERATION	METALLIC	SA	MPLI	E DA	TA		RESI	JLTS	
Imetres) 🗐 🐺	OFFCRIPTION		5	ANGLES	VEINS	ł	MINERALS (%)								
FROM Q	DESCRIPTION		C E C O					SAMPLE	FROM	то	LENGTH				
TO			<u>~</u>						- 1 - 2	12.77	2.44			╄╼┼	
0-3.66	orrectourden				<u>,</u>	·		53460	Z 33	2.511	1 27			<u>├──</u> ∱-	
B66-6700	interesty Kaltured deri	<b>a</b>	07				÷	\$3469		125.00	12			<u>├</u> ── <u></u>	<u> </u>
6700-917	Kattened direct		77				1	337 U	05.00 07.00	2015	1.92		- +	+	
┠╍╌┈──┤──				·		<b></b>	+ ·	72017	28.5	21.10	7.05		<u> </u>	1 1	
						• • • • • • • • • • • • • • • • • • • •		33413	5096	64:55	359				
							*	3311	H 33	57.00	245				
f							<b>I</b>	33119	570	0.01	101				
								331%	60.09	6290	2.86				
			-					3541	290	61.00	110				
								3717	4.00	(105	305				
								35/19	6704	70.10	1.05				
								3540	70·j	12.54	2.14			<u> </u>	
								3349	251	75 28	2.74			↓↓	
								55492	15.20	×81	153				
_								3710	281	79.24	2.43			↓ <b>↓</b>	
								3310	77.24	82:29	3.05			╡╶╺╂	
								3346	9729	91.2	1.93	<b>.</b>			
							<u> </u>	3510	94.12	811	335			₋₋	
							ļ	3548	974	81.0	1.53			↓↓	
						L		35/9	89 00	91.74	2.74			<b>↓</b>	
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	TECK	EXPLORATIONS LIMITED				HOLE	No. 00491	<u>H 10</u>				 PA	GE 🕻	3. 0	13	
	ş		/ERY	STRUC	TURE	ALTERATION	METALLIC MINERALS (%)	S4	MPLE	E DA	TA	I	RESU	LTS		
FROM	TE DE SC	RIPTION	RECOV	ANGLES	4 21183			SAMPU NO	FROM	то	LENGTH					
0-366 366-6160	محمد میلته - ص	erlandon why K altered divite	\			ĸ	Tr Pay									
	mod	- But of the place of the property is consult of proverse Mt 22% of how and allow the and protite - moderate	 							-		 				
	- Ca coe and	Ep skiedta (13000) downant angle 10 25°-han die Ry sone opy willin Gate J									↓ ↓ ↓	· <b></b>				
14.75 14.00-260	0	non hemalite along edges of hostings		<u> </u>	\$45°			33% 33% 33%	2133 123-17 125-00	23-7 25-0 21-1	72:44 1:23 2:43	· · · ·		· ·•· ··	·	
2 <del>350-3050</del> 28-50-3050	alle selg inter	and internal with Zladus Py the charled and clay altiged and with more a flooding a chis for						3547. 3347.	27-10	286	5 1·22 305	 	• • • • •			  
160-2210 33-30 160-4/05		a Fe Ole along functures n write a fein write write 82 while clay	 	L. J. X20	<u>₹40°</u> ₹20°			3341 5341	3 50 9 1 61 53	54.5 57.0	5359 0245		·	   		
59-50-60-70 -57-00-911	2000 24 K	altered prost			4300			5317 520) 751	5 67 Q 6 60 0 7 62 X	629	4 304 02 86 0 1 10	 	·	 	↓ ↓	  
	mo - mo - 23	Latrong K alt long them events)-fulcil Al alt ais const of process, Mt b drock, and motor all and ho					···•••••••••••••••••••••••••••••••••••	5317 3317 5317 5316 3246	0670 9(70 1070 1072-64	5 70 72-5 1 75 2	0305 124 82.74	 · ·	· ··		+	

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		TECK EXPLORATIONS LIMITED				HOLE	<u>No. Дона</u>	141	0				PA	6E 3	5 6	#3	
DEPTH (metres)	ЧС		/ERY	STRUC		ALTERATION	METALLIC MINERALS (%)	S	AMPL	E D/	TA			RESU	LTS		
FROM	GRAPI	DESCRIPTION	RECO	ANOLES	VCING		-	SAMPL NO	FROM	1 10	LENGTH	(					
(100-97)	4	- minor Ep alt along fractions of road - = 3% dis - 1 by appendix houses through the interval		· · · · · · · ·		K	duis By Tr nor Gy	3548 5548 3548	2 75-21 5 x 9 1 79 2	8 76 81 1 79 <u>2</u> 4 4 82 2 1	1.53 2.43 3.05		• • • •		- - 	····	
		in top of the more than in top of the more (1/tr). Ca portune (dominent core angle is 10°				· · · · · · · · · · · · · · · · · · ·		53/0 33/8 33/8	6 <del>01</del> / 2 7 87 1 8 89 4	87.1 789.00 91 14	135 153 274				•		
6700 76-85		- 5000 write hereisted by porture - 5000 write clay (gage) photom			425° 425°	· · · · · · · · · · · · · · · · · · ·			<b>T</b> .					-			
B0-70 - De 2	15	in wallack in core	+					• • •			┿╍╌╴╴ ╋╌─╴╵	 			 		
9114		EOH	-		-				<b>†</b>	+	<b>T</b>		••••••••••••••••••••••••••••••••••••••				
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## APPENDIX II

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1 I

CORE ASSAYS

VANCOUVER OFFICE: 705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2 TELEPHONE (604) 980-5814 OR (604) 988-4524 FAX (604) 980-9621

## SMITHERS LAB .: 3176 TATLOW ROAD

SMITHERS, B.C. CANADA VOJ 2N0 TELEPHONE (604) 847-3004 FAX (604) 847-3005

SPECIALISTS IN MINERAL ENVIRONMENTS

CHEMISTS \* ASSAYERS \* ANALYSTS \* GEOCHEMISTS

#### Assay Certificate

\_\_\_\_\_

Date:	AUG-1	3	-93
DATION LTD	VANL 0000	5	e .

TECK EXPLORATION LTD. Company: 1377 Project: FRED DALEY/JEFF TOOKEY Attn:

Copy 1. TECK EXPLORATION LTD, KAMLOOPS, B.C. 2. TECK EXPLORATION LTD, FORT ST.JAMES B.C

He hereby certify the following Assay of 23 CORE samples submitted AUG-07-91 by PAUL DONKERSLOOT.

Sample	AU-FIRE	AU-FIRE	CU	
Number	g/tonne	oz/ton	%	
33501	.01	.001	,052	
33502	.01	.001	.022	
33503	.01	.001	.032	
33504	.01	.001	.063	
33505	.01	.001	.024	
33506	.01	.001	.022	
33507	.01	.001	• 006	
33508	.01	.001	.005	
33509	.01	.001	.008	
33510	.01	.001	.002	
33511	.02	.00t	.011	
33512	.01	.001	.003	
33513	.01	.001	.005	
33514	.01	.001	.022	
33515	.01	.001	.005	
33516	.02	.001	.006	
33517	.01	.001	.006	
33518	.01	.001	.005	
33519	.01	.001	.005	
33520	.01	.001	.006	
33521	.01	.001	.002	
33522	.01	.001	.029	
33523	.01	.001	.005	

Certified by\_

MIN-EN LABORATORIES

c

1S-0366-RA1



VANCOUVER OFFICE: 705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2 TELEPHONE (604) 980-5814 OR (604) 988-4524

#### SMITHERS LAB .:

FAX (604) 980-9621

3176 TATLOW ROAD SMITHERS, B.C. CANADA VOJ 2NO TELEPHONE (604) 847-3004 FAX (604) 847-3005

MIN-EN LABORATORIES

\*\*\*\*

<u>Assay Certificate</u>

SPECIALISTS IN MINERAL ENVIRONMENTS CHEMISTS + ASSAYERS + ANALYSTS + GEOCHEMISTS

Company:	TECK EXPLORATION LTD.
Project:	1377
Attn:	FRED DALEY/JEFF TOOKEY

\_\_\_\_\_

LABORATORIES

(DIVISION OF ASSAYERS CORP.)

Copy 1. TEEK EXPLORATION LTD. KAMLOOPS, B.C. 2. TEEK EXPLORATION LTD, FORT ST.JAMES B.C

He hereby certify the following Assay of 17 CORE samples submitted AUG-07-91 by PAUL DONKERSLOOT.

Sample Number	AU-FIRE g/tonne	AU-FIRE oz/ton	CU %	
33524	.01	.001	.012	
33525	.01	.001	.012	
33526	.01	.001	.017	
33527	.01	.001	.120	
33528	.05	.001	1.160	
33529	.01	.001	.019	
33530	.01	.001	.042	
33531	.01	.001	.010	
33532	.01	.001	.011	
33533	.01	.001	.007	
33534	.01	.001	.021	
33535	.01	.001	.021	
33536	.02	,001	.018	
33537	.01	.001	.011	
33538	.01	.001	.014	
33539	.01	.001	.021	
33540	.01	.001	.010	



## 1S-0366-RA2

Date: AUG-13-91



SPECIALISTS IN MINERAL ENVIRONMENTS CHEMISTS + ASSAYERS + ANALYSTS + GEOCHEMISTS

VANCOUVER OFFICE:

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2 TELEPHONE (604) 980-5814 OR (604) 988-4524 FAX (604) 980-9621

1S-0367-RA1

SMITHERS LAB .: 3176 TATLOW ROAD SMITHERS, B.C. CANADA VOJ 2NO TELEPHONE (604) 847-3004 FAX (604) 847-3005

#### Assay Certificate

Company:	TECK EXPLORATION LTD.	Date: AUG-16-91
Project:	1377	Copy 1. TECK EXPLORATION LTD, KANLOOPS, B.C.
Attn:	FRED DALEY/JEFF TOOMEY	2. TECK EXPLORATION LTD, FORT ST. JAMES B.C.
		3. TECK EXPLORATION LTD., C/O MIN-EN LABS.

He hereby certify the following Assay of 23 CORE samples submitted AUG-07-91 by PAUL DONKERSLOOT.

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Sample	AU-FIRE	AU-FIRE	AG	AG	CU	PB	ZN
Number	ġ/tonne	oz/ton	g/tonne	oz/ton	7.	7.	%
33541	.10	.003	10.0	. 29	.048	. 17	.47
33542	.01	.001	3.1	.07	.039	.01	.02
33543	.01	.001			.023		
33545	.18	.005			.037		
33546	.01	.001			.047		
33547	.03	.001			.046		
33 <b>548</b>	.01	.001			.031		
33549	.01	.001			.027		
33550	.01	,001			.031		
33301	.01	.001			.060		
33502	.01	.001	****		.067		
33303	.06	.002			.056		
33304	.04	.001			.046		
33305	.01	.001			.033		
33306	.02	.001			.026		
33307	.01	.001			.023		
33308	.01	.001			.040		
33309	.01	.001			.076		
33310	.01	.001			.041		
33311	.08	.002			.085		
33312	.01	.001		***	.067		
33313	.01	.001			.107		
33314	.06	.002			.071		

Certified by

MIN-EN LABORATORIES

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MIN • EN LABORATORIES (DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS CHEMISTS + ASSAYERS + ANALYSTS + GEOCHEMISTS VANCOUVER OFFICE: 705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2 TELEPHONE (604) 980-5814 OR (604) 988-4524 FAX (604) 980-9621

SMITHERS LAB .:

3176 TATLOW ROAD SMITHERS, B.C. CANADA VOJ 2N0 TELEPHONE (604) 847-3004 FAX (604) 847-3005

### Assay Certificate

Company:TECK EXPLORATION LTD.Project:1377Attn:FRED DALEY/JEFF TOOKEY

1S-0367-RA2

Date: AUG-16-91 Copy 1. TECK EXPLORATION LTD, KAMLODPS, B.C. 2. TECK EXPLORATION LTD, FORT ST.JAMES B.C 3. TECK EXPLORATION LTD., C/O MIN-EN LABS.

He hereby certify the following Assay of 19 CORE samples submitted AUG-07-91 by PAUL DONKERSLOOT.

Sample	AU-FIRE	AU-FIRE	Cu	
Number	g/tonne	oz/ton	%	
33315	.06	.002	. 111	
33316	.04	.001	.090	
33317	.03	.001	.085	
33318	.01	.001	.071	
33319	.01	,001	.069	
33320	.03	.001	.066	
33321	.02	.001	.104	
33322	.01	.001	.099	
33323	.01	.001	.073	
33324	.01	.001	.082	
300 <b>25</b>	.01	.001	.047	
33326	.01	.001	.137	
33327	.10	.003	.042	
33328	.28	,008	.061	
33329	.14	.004	.045	
33330	.01	.001	.006	
33331	.01	.001	.005	
33332	.01	.001	.005	
22333	.01	.001	.005	

Certified by\_

MIN-EN LABORATORIES

# ROSSBACHER LABORATORY LTD.

## **CERTIFICATE OF ANALYSIS**

To: TECK EXPLORATIONS LTD. # 960-175 SECOND AVE. KAMLOOPS, B.C. Project: 1377 Type of Analysis: ASSAY

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			· · · · · · · · · · · · · · · · · · ·		
PRF		% RERUN	PP8		
FIX	SAMPLE NAME	Cu * Cu	Au AA		
	33334 A	0.03	5		
A	33335 A	0.03	5		
A	33336 A	0.05	5		
Å	33337 A	0.02	5		
A	33338 A	0.02	5		
٨	33339 A	0.02	5		
٨	33340 A	0.02	5		
٨	33341 A	0.01	5		
٨	33342 A	0.01	S		
A	33343 A	0.03	5		
A	33344 A	0.03	5		
A	33345 A	0.03	5		
A	33346 A	0.03	5		
A	33347 A	0.05	5		
A	33348 A	0.07	5		
٨	33349 A	0.05	5		
I.	33350 A	0.04	5		
A	33351 A	0.02	5		
A	33352 A	0.05	20		
A	33353 A	0.04	10		
A.	33354 A	0.03	5		
A	33355 A	0.03	5		
A	33356 A	0.03	5		
٨	33357 A	0.03	5		
A	33358 A	0.06	5		
٨	33359 A	0.07	5		
A	33360 A	0.04	5		
A	33361 A	0.03	5		
A	33362 A	0.05	5		
A	33363 A	0.05	5		
A	33364 A	0.04	5		
A	33365 A	0.04	5		
A	33366 A	0.06	5		
<b>A</b>	33367 A	0.03	5		
A.	33368 A	0.05	5		
•	33369 🔺	0.08	5		
A I	33370 A	0.07	5		
A	33371 A	0.05	5		
	33372 A	0.08	5		

140

0.28

33373 A



2225 Springer Ave., Burnaby, British Columbia, Can. V5B 3N1 Ph:(604)299-6910 Fax:299-6252

> Certificate: 91218 Invoice: 20359 Date Entered: 91-08-16 **TEK91218** File Name: Page No.: 1

## ROSSBACHER LABORATORY LTD.

## CERTIFICATE OF ANALYSIS

To: TECK EXPLORATIONS LTD. # 960-175 SECOND AVE. KAMLOOPS, B.C. Project: 1377 Type of Analysis: ASSAY

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2225 Springer Ave., Burnaby, British Columbia, Can. V5B 3N1 Ph:(604)299-6910 Fax:299-6252

Certificate:	91218
Invoice:	20359
Date Entered:	91-08-16
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Page No.:	2

£		*	RERUN	PPB	
x	SAMPLE NAME	Cu	% Cu	AU AA	
	33374 A	0.21		100	
	33375 A	0.05		20	
	33376 A	0.01		10	
	33377 A	0.05		20	
	33378 A	0.08		30	
	33379 A	0.03		10	
	33380 A	0.15		50	
	33381 A	0.01		5	
	33382 A	0.02		10	
	33393 A	0.01		10	
	33384 .	0.01		5	
	37305 4	D Å1		20	
	33303 h	0.07		<u>د</u>	
	13307 A	0.02		5	
5.	A 100CC	0.09		· .	
	A 00LEE	0.11	n on	20	
	33369 A	0.90	0.90	20	
	33390 A	0.00		50 10	
	33391 N	0.04		10	
	33392 A	0.07		00	
	A 64666	0.00		20	
	A 44666	0.06		5	
	55595 A	U.U4		2	
	33396 A	0.01		5	
	33397 A	0.01		>	
	33398 A	0.01		>	
	33399 A	0.01		5	
	33400 A	0.01		5	
	33401 A	0.01		5	
	· .				
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					CERTIFIED BY: // 1
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					/////
# ROSSBACHER LABORATORY LTD.

#### CERTIFICATE OF ANALYSIS

To: TECK EXPLORATIONS LTD. # 960-175 SECOND AVE. KAMLOOPS, B.C. Project: 1377

Type of Analysis: ASSAY

2225 Springer Ave., Burnaby, British Columbia, Can. V5B 3N1 Ph:(604)299-6910 Fax:299-6252

Certificate:	91222
Involce:	20359
Date Entered:	91-08-21
File Name:	TEK91222
Page No.:	1

PRE		*	ррв	
FIX	SAMPLE NAME	Cu	AU AA	
<b> </b>	33402	0.05	5	
Å	33403	0.03	5	
Ä	33404	0.01	5	
Å.	33405	0.03	10	
	33406	0.07	20	
	33407	0.07	20	
A	33408	0.07	10	
A	33409	0.07	5	
A	33410	0.01	5	
	33411	0.09	20	
A	33412	0.07	10	
A	33413	0.08	10	
. A	33414	0.04	5	
<b>A</b> ::	33415	0.07	10	
A	33416	0.07	10	
A I	33417	0.07	5	
,	33418	0.08	5	
A	33419	0.08	10	
	33420	0.07	40	
. A	33421	0.05	10	
. A	33422	0.04	10	
A	33423	0.07	20	
A	33424	0.08	10	
A .	33425	0.12	20	
A.	33426	0.06	20	
A	33427	0.07	10	
A	33428	0.06	20	
•	33429	0.06	40	
•	33430	0.06	40	
A	33431	0.09	30	
A	35452	0.08	40	
A .	53435	0.07	60	
<b>^</b>	22424	0.02	>	
11	22422	0.02	10	
1	33430	0.02	5	
1.	3343/	0.02	5	
	JJ4J0 77470	0.01	2	
1.	33437	0.02	י ד	
12	33441	0.01	, 5	
<u>[</u> <u> </u>		0.02	?	/
				CERTIFIED BY: Arrobad

### ROSSBACHER LABORATORY LTD.

#### **CERTIFICATE OF ANALYSIS**

To: TECK EXPLORATIONS LTD. # 960-175 SECOND AVE. KAMLOOPS, B.C. Project: 1377 Type of Analysis: ASSAY 2225 Springer Ave., Burnaby, British Columbia, Can. V5B 3N1 Ph:(604)299-6910 Fax:299-6252

Certificate:	91222
invoice:	20359
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File Name:	TEK91222
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RE		8	PPB	
IX	SAMPLE NAME	Cu	Au AA	
A	33442	0.01	5	
A	33443	0.02	5	
A	33444	0.02	5	
A	33445	0.02	5	
A	33446	0.06	10	
A	33447	0.02	5	
٨	33448	0.02	5	
A	33449	0.02	5	
٨	33450	0.02	5	
٨	33451	0.02	5	
A	33452	0.05	5	
٨	33453	0.03	5	
Å.	33454	0.03	5	
Α.	33455	0.04	5	
A	33456	0.04	5	
Ă	33457	0.03	5	
••	33458	0.02	s	
	33459	0.01	s	
*	33460	0.01	5	
*	33461	0.02	5	
*	33462	0.03	5	
*	33463	0.03	5	
Å.	33464	0.01	10	
	33465	0.02	5	
	33466	0.02	10	
	33467	0.01	5	
A	33468	0.02	5	
A.	33469	0.02	5	
	33470	0.02	5	
	33471	0.02	5	
	33475	0.02	5	
1. A	17477	B 02	ç	
 A	33474	0.02	5	
	33475	0.02	5	
*	33476	0.02	Š	
	33470	0.02	5	·
	3347P	0.0E	, ,	
	33470	0.02	, ,	
	77/20	0.02	, ,	
<u>.</u>	33400	0.02	5	
				CERTIFIED BY : //
				/ Morroset

# ROSSBACHER LABORATORY LTD.

### **CERTIFICATE OF ANALYSIS**

To: TECK EXPLORATIONS LTD. # 960-175 SECOND AVE. KAMLOOPS, B.C. Project: 1377

Type of Analysis: ASSAY

2225 Springer Ave., Burnaby, British Columbia, Can. V5B 3N1 Ph:(604)299-6910 Fax:299-6252

Certificate:	91222
involce:	20359
Date Entered:	91-08-21
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PRE FIX	SAMPLE NAME	* ໃນ	PP8 Au AA	
A A A A A A	33482 33483 33484 33485 33486 33486 33487 33488	0.01 0.01 0.02 0.01 0.02 0.02 0.02 0.01	5 5 5 5 10 5 5	
	: : :			
	· .			
				CERTIFIED BY. UDMOON





450014 4300N 4200N 5100N 5000N 4800N 4700N 5300N N2015 10000 54212N 1000 4ØØN 200N 700 BØØN NDDG 3001 SZZN EZZN NDDD. 500 600 1008 4001 300 100 1577 - 528 - 584 - 571 - 588 1256 \_\_1378 \_\_\_1165 1278 1872 1355 \_\_1828 \_ 916 1535 1174 \_\_\_\_ 937 \_\_1268 \_\_1945 \_\_1668 1961 1845 - 881 \$<sup>-728</sup> \_\_1387 F m 1778 - 828 - 688 -1685 1872 \_\_1118 \_\_1182 - 959 1228 874 785 \_1857 \_1846 \_1009/ \_\_\_\_\_ 375 488 898 \_\_\_\_\_ 229 1294 -1113 822 878 1832 1758 1823 \_1782 J \_\_\_1823 2739 \_\_1572 2838 1836 \_\_\_\_ 825 \_\_1534 7755 \_1222 \_2824 1224 1216

