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## DIAMOND DRILLING REPORT

on the

SUN, SHORT STUFF 2 and 3, MOST LIKELY 3 AND 4,  
CARIBOO 1-4, AND JUN 1-4 CLAIMS

CARIBOO MINING DIVISION

N.T.S. 93-A/12

Latitude 52°42'N Longitude 121°44'W

SUB-REC'D FOR  
RECEIVED  
MAY 10 1989  
M.R. # \_\_\_\_\_ \$ \_\_\_\_\_  
VANCOUVER, B.C.

## GEOLOGICAL BRANCH ASSESSMENT REPORT

VOLUME 1 OF 2

# 19,324

# Part 1 of 2

CORONA CORPORATION  
1440 - 800 West Pender Street  
Vancouver, B.C. V6C 2V6

M. Tindall B.Sc., F.G.A.C.  
Senior Geologist

November, 1989

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DRILL HOLE LOCATION PLAN  
COMPILATION PLAN  
DIAMOND DRILL SECTIONS

## SUMMARY AND RECOMMENDATIONS

During 1989 a program of diamond drilling was directed at soil geochemical and chargeability anomalies detected by earlier exploration programs on the property's East and West grids.

In order to gain access to the target areas 5.5 km of existing four wheel drive trail on the property was upgraded and 3.2 km of new road was built.

On the West grid five drill holes were completed. Four of these holes targeted a shear zone containing quartz and carbonate stringers. A weak, patchy gold-in-soil anomaly is roughly co-incident with the shear zone and one 1986 grab sample from a narrow quartz vein in the shear zone returned a gold assay of 7.39 g/t. The fifth hole on the West grid targeted a strong chargeability anomaly adjacent to the shear zone on the north.

Drilling of the shear zone on the West grid intersected narrow zones of quartz or calcite veining with minor sulphide mineralization. The drill hole which targeted the I.P. anomaly on the West grid intersected graphitic argillite with low sulphide content. The source of the chargeability high is assumed to be graphite. Gold assays from all of the drill holes on the West grid were only weakly anomalous.

On the East grid five drill holes were completed. Four of those holes were drilled under gold-in-soil anomalies, one of which was also associated with a chargeability high. The fifth was drilled to test a strong chargeability anomaly along the south flank of a strong magnetic high.

All five of the drill holes on the East grid intersected appreciable widths of heavy silicification in altered siltstones and mafic flows and tuffs. Four of the holes returned weakly anomalous gold assays. The fifth under a strong narrow gold-in-soil anomaly and within a strong I.P.



anomaly intersected several auriferous intervals, the best of which was 5.26 g/t over 8.5 metres (0.15 oz/t over 27.9 ft). The soil and chargeability anomalies are open to the east.

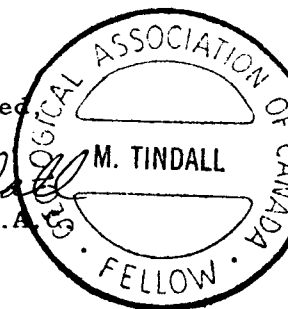
Ten drill holes totalling 1,751 metres were completed on the Cariboo Property during 1989. Results from the drilling on the West grid were discouraging. Further work in the West grid area is not recommended. Drill results from the East grid area on the property indicate widespread hydrothermal alteration. Strongly anomalous gold assays were associated with intense silicification in one of the five drill holes on the East grid. Additional work is warranted in the East grid area.

Recommendations for further work include expanding the East grid to the east by 26 line kilometres. Soil geochemical, magnetometer and VLF-EM surveys should be completed on all of the new grid lines. I.P. surveying should be conducted over anomalies detected by the other surveys. Diamond drilling is recommended for anomaly follow up. One thousand four hundred and fifty (1,450) metres of drilling has been budgetted.

The estimated cost of the recommended program is \$240,000.

Respectfully submitted

*M. J. Tindall*  
M. Tindall, B.Sc., F.G.A.  
Senior Geologist  
Corona Corporation



## 1.0 INTRODUCTION

The Cariboo group of claims was staked in 1981 to cover an arsenic anomaly detected on the southwest flowing tributary to Maud Creek by Department of Energy, Mines and Petroleum Resources regional stream geochemistry program.

Between 1981 and 1986 soil geochemistry, airborne and ground magnetometer and VLF-EM surveys and geological mapping were completed over a large part of the claim group. Anomalous levels of gold in soil adjacent to strong chargeability highs were detected by the surveys in both the west and east portions of the property. The geochemical and geophysical anomalies on the east side of the property appeared to trend off of the property to the east. The JUN 1-4 claims were staked in 1988 to protect the ground to the east of the anomalous trends.

The purpose of the 1989 diamond drill program was to test the geochemical and geophysical anomalies for the presence of gold in bedrock.

## 2.0 PROPERTY DESCRIPTION

The Cariboo Property is comprised of 13 located mineral claims totalling 229 units and covering 5,725 hectares (Table 1.).

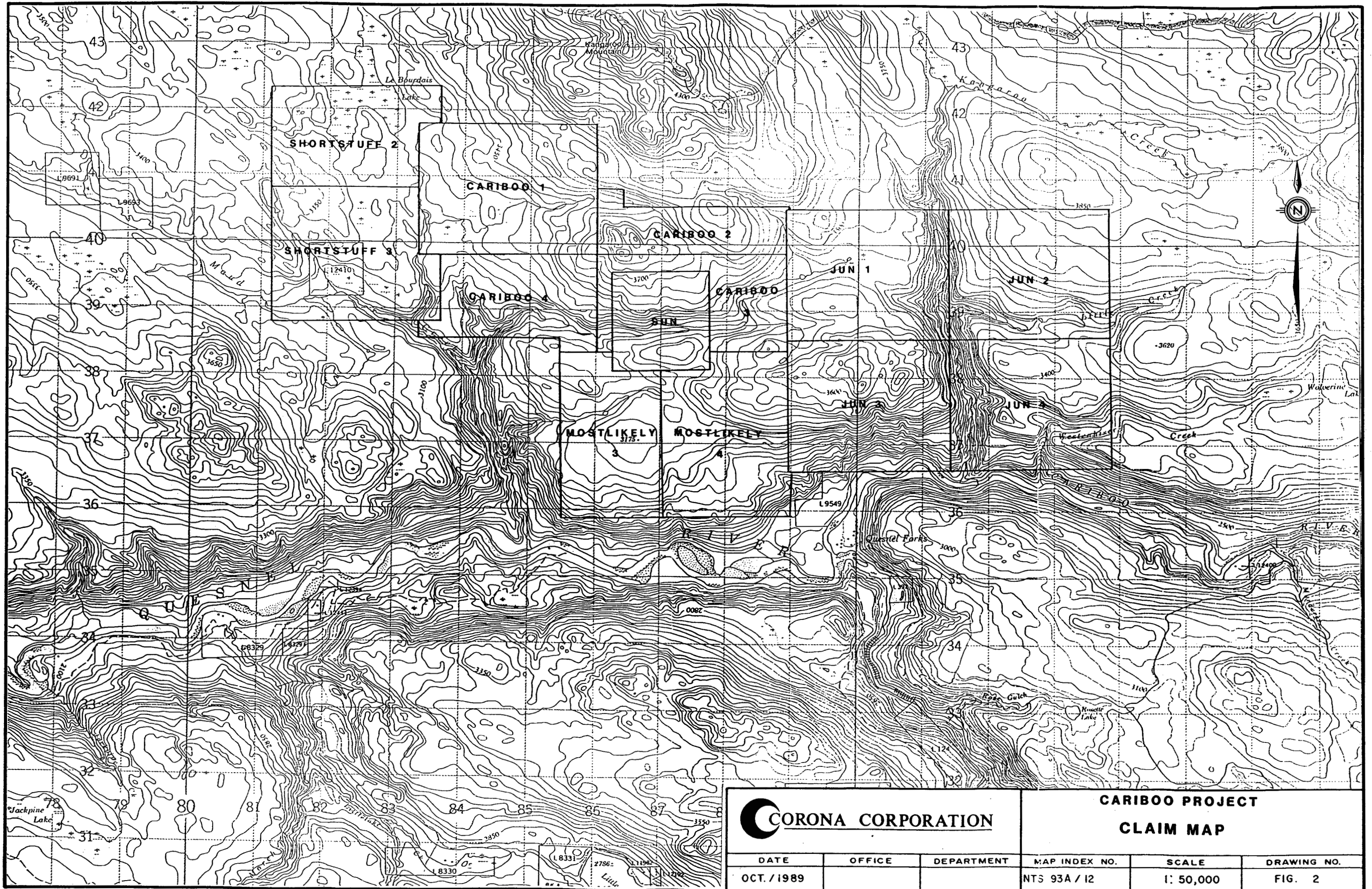
TABLE 1.  
MINERAL TITLE SUMMARY

CLAIM	UNITS	AREA (ha)	RECORD NO.	RECORD DATE	EXPIRY DATE
MOST LIKELY 3	20	500.0	3706	81.06.24	90.06.24
MOST LIKELY 4	20	500.0	3707	81.06.24	92.06.24
CARIBOO 1	20	500.0	3708	81.06.24	90.06.24
CARIBOO 2	12	300.0	3709	81.06.24	90.06.24
CARIBOO 3	18	450.0	3710	81.06.24	90.06.24
CARIBOO 4	15	375.0	3711	81.06.24	90.06.24
SHORT STUFF 2	15	375.0	3712	81.06.24	92.06.24
SHORT STUFF 3	20	500.0	3713	81.06.24	92.06.24
SUN	9	225.0	7094	85.07.19	90.07.19
JUN 1	20	500.0	9297	88.08.23	92.08.23
JUN 2	20	500.0	9298	88.08.23	92.08.23
JUN 3	20	500.0	9299	88.08.23	92.08.23
JUN 4	20	500.0	9300	88.08.23	92.08.23
Total - 13 claims	229	5,725			

The property is wholly owned by E & B Explorations Inc. and is subject to net profits royalties as outlined in Table 2. Corona Corporation is operator of the project.

TABLE 2  
PROPERTY OWNERSHIP

PARTNERS	WORKING INTEREST	NET PROFITS INTEREST
E & B EXPLORATIONS	100%	-
GEOMEX 11	-	2.5%
GEOMEX 12	-	2.5%
RUANCO ENTERPRISES	-	15.0%



			<b>CARIBOO PROJECT CLAIM MAP</b>		
DATE	OFFICE	DEPARTMENT	MAP INDEX NO.	SCALE	DRAWING NO.
OCT./1989			NTS 93A / I2	1: 50,000	FIG. 2

### 3.0 LOCATION AND ACCESS

The Cariboo Property is located along the north bank of the Quesnel River and is centered approximately 12 kilometres northwest of the town of Likely at 52°42' north latitude and 121°44' west longitude on N.T.S. Map Sheet 93-A/12 (Figure 2).

Access to the property is by the Kangaroo Creek Forest Service Road to the northwest corner of the JUNE 1 claim. From there a four wheel drive road extends across the centre of the property to Maud Creek just south of the CARIBOO 4 claim. A second 4x4 road departs from the main access road in the southwest corner of the CARIBOO 3 claim and extends to the centre of the MOSTLIKELY 4 claim (Figure 1).

### 4.0 PHYSIOGRAPHY

Topography on the property is characterized by rolling hills with moderate slopes. Stream valleys are deeply incised with moderate to steep slopes. Steep slopes and cliffs are found along the north bank of the Quesnel River. Relief is approximately 2,200 feet about a mean elevation of 3,275 feet above sea level.

Vegetation consists primarily of lodgepole pine and spruce with stands of aspen, cottonwood and birch.

Outcrop on the property is limited to creek banks and ridge crests. Till thickness varies from a few feet to greater than 100 feet in scour channels. Ice movement during the last glacial episode was from the southeast to the northwest.

### 5.0 GEOLOGY

The property lies within the Quesnel Trough, a Mesozoic tectonic feature which lies between the Omineca Crystalline Belt to the east and the Cache Creek Group to the west (Bailey 1978).



 CORONA CORPORATION

**CARIBOO PROJECT  
LOCATION MAP**

DATE: OCT./1989

SCALE:

DRAWING No. FIG. 1

The regional geology has been described by Bailey as "a sequence of Upper Triassic - Lower Jurassic volcanic and sedimentary rocks which have been intruded by comagmatic felsic plutons". The volcanic rocks comprise green-grey basalts which are analcite bearing towards the top of the sequence and grade upwards into maroon basalts of the same composition. The basaltic sequence is interbedded with thin units of siltstone and minor conglomerate and is overlain by a succession of felsic breccias which in turn are overlain by shallow water sedimentary rocks of Mid Jurassic age.

The volcanic-sedimentary pile is intruded by a series of syenite to monzonite stocks which are often related to copper or copper-gold mineralization.

In the vicinity of the Cariboo property, notable metal occurrences are E&B Exploration Inc.'s Cariboo Bell copper-gold porphyry south of Morehead Lake, Dome Mines Ltd.'s QR gold deposit immediately southwest of the Cariboo claims and auriferous gold veins on claims owned by Canadian Eagle Resources Ltd. at Spanish Mountain.

On the Cariboo Bell property copper mineralization with associated gold values is contained within a syenite-monzonite dyke swarm and occurs primarily as disseminated chalcopyrite in hydrothermally altered intrusive breccias.

Gold mineralization on the QR property is hosted by an augite basalt breccia unit peripheral to a diorite stock. The main gold zone on the QR is restricted to the augite basalt and as such is stratabound. Gold occurs as micron sized, disseminated free, gold. Alteration associated with gold mineralization consists of moderate to intense epidote-chlorite replacement with several percent disseminated pyrite and minor chalcopyrite.



At Spanish Mountain coarse, native gold is hosted by quartz veins, lenses and stockworks in strongly sheared, pyritic phyllites.

Geological mapping of the Cariboo property is incomplete due to the limited bedrock exposure. However, mapping and diamond drilling indicate that a sequence of pyroxene basalts, basalt breccias and mafic tuffs with subordinate siltstone horizons trend roughly northwesterly through the center of the property. The volcanic package is overlain by conglomerate and siltstone to the southwest and underlain by a thick sequence of siltstones and argillites to the northeast. Diorite dykes have been mapped in the north center of the property and monzo-diorite dykes were intersected in drill holes in the center and northwest corner of the property.

The lithological sequence on the property is cut into blocks by east-west and north to northwesterly trending faults. These structures have been identified by mapping and airphoto interpretation. On a regional scale the effect of blockfaulting is progressive displacement to the northwest.

Diamond drilling in the center of the property encountered a widespread zone of hydrothermal alteration. Alteration is characterized by moderate to intense silica replacement and bleaching with minor quartz stockwork veining. An alteration envelope of chloritization is common, Disseminated sulphide mineralization is ubiquitous but generally less than 1%. Pyrite is by far the most common sulphide mineral however several percent arsenopyrite has been observed over short core intervals. Elevated gold values in drill core appear to be directly related to the presence of arsenopyrite.

Alteration has also been noted along Maud Creek and the southwest flowing tributary to Maud Creek. The alteration is restricted to several narrow zones and is characterized by variably silicified basalt with minor chlorite-epidote alteration products. Pyrite is associated with the



alteration as 2-10% disseminated blebs and rare veinlets. Gold assays from these zones were weakly anomalous.

Along the tributary to Maud Creek several barren quartz-ankerite veins of narrow width have been observed. A calcite-quartz stockwork breccia with areal exposure of approximately 5 x 30 m was located high up on the northwest bank of the creek with minor associated alteration and sulphide content. One 1-2 foot wide quartz vein with heavy pyrite mineralization was located near the breccia. One grab sample collected from this quartz vein returned a gold assay of 7.39 gm/t (0.213 oz/t).

#### 6.0. EXPLORATION HISTORY

The property was staked in May, 1981 to cover an arsenic anomaly detected on the west flowing tributary to Maud Creek by a Department of Energy, Mines and Petroleum Resources regional stream geochemistry program.

During the summer of 1982 reconnaissance scale mapping and soil geochemistry was completed along with soil geochemistry on a small grid placed in the south central portion of the claims. Localized, anomalous gold and arsenic values were returned from the sampling program prompting additional work in 1983.

More detailed, mapping and soil geochemistry was completed during the summer of 1983. Altered, pyritic basalt which locally returned anomalous gold and arsenic values from chip samples was identified in outcrop along Maud Creek and its southwest flowing tributary. Spotty anomalous gold values were also returned from the soil sampling program.

In June of 1984 an airborne geophysical survey consisting of magnetometer and two frequency VLF-EM surveys was completed over the property. A total of 370 line kilometres was flown covering an area of approximately 9,000 hectares. Flight line spacing was 250 metres. The airborne survey detected two small areas of high magnetics and three weak

VLF conductors on the property.

During 1985 an IP survey totalling 10.9 km was run over the area of pyritic basalts near Maud Creek. A geochemical grid was also established on the east central portion of the claims to cover one of the magnetic highs and two of the VLF-EM anomalies detected by the 1984 airborne survey.

The IP survey located three distinct chargeability anomalies. Soil sampling on the east grid returned several widely spaced gold anomalies with values to a maximum of 525 ppb. Additional mapping and rock sampling was also completed on the two grids at this time.

In 1986 the existing East and West grids were expanded by an additional 45 line kilometres. Soil geochemical coverage was completed on all of the new grid and magnetometer and VLF-EM surveys were completed over 41.2 km of the new lines. An I.P. survey was completed over 12 km of the East grid only.

Results of the 1986 program indicated several E-W trending gold-in-soil anomalies and a large area of high chargeability on the East grid only. A patchy soil anomaly along the flank of a chargeability anomaly was outlined on the West grid.

The results from the 1986 program indicate that the gold-in-soil and geophysical anomalies on the East grid may trend off of the property to the east and in 1988 the JUN 1-4 claims were staked to protect open ground to the east of the property.

#### 7.0 1989 EXPLORATION PROGRAM

During 1989 a program of diamond drilling was directed at the soil geochemical and geophysical anomalies detected on the East and West grids by earlier exploration programs.

In order to gain access to the drill targets it was necessary to improve an existing access road which crossed the center of the property and to build spur roads from it to the drill sites. In all a total of 5.5 km of existing trail was improved and 3.2 km of new road was built.

### 7.1 Diamond Drilling

Diamond drilling was performed by J.T. Thomas Diamond Drilling Ltd. using an Acker hydraulic drill. NQ equipment was used which provided core samples 1-7/8 inches in diameter. Down hole directional surveys were taken using a Sperry Sun single shot instrument. Drill hole collars were located by grid co-ordinates only and relative elevations were determined with a barometric altimeter with an accuracy of  $\pm 10$  feet.

Ten drill holes totalling 1,751 metres were completed. The purpose of the drill program was to test geochemical and geophysical anomalies on the East and West grids.

On the West grid five holes totalling 734.86 metres were completed. Four of the holes, C-89-1 to C-89-3 and C-89-5, targeted a shear zone containing quartz and ankerite stringers from which a grab sample collected in 1986 returned a gold assay of 7.39 gm/t. A small gold-in-soil anomaly was roughly co-incident with the shear zone. Drill hole C-89-4 targeted a strong chargeability high on the West grid.

Hole C-89-4 intersected several short sections of weak to moderate silicification with minor numbers of quartz stringers in both basalt and graphitic argillite. The sulphide content of the core was in all cases less than two percent and generally only trace. The source of the chargeability anomaly is assumed to be graphite in siltstone and argillite. No anomalous gold assays were received from this hole.

The other four holes drilled on the West grid all intersected short sections of quartz or calcite/ankerite veining within the targeted shear zone. Alteration and sulphide mineralization associated with the veining

was weak. Weakly anomalous gold assays were returned from the quartz rich drill intersections. Gold mineralization was not associated with the carbonate veins and stringer zones. The best gold assay returned from the West grid drilling, 1.41 g/t, was from a one metre interval of intensely argillized diorite dyke which contained approximately two percent pyrite. Further drilling on the West grid is not recommended.

On the East grid five drill holes totalling 1,016.18 metres were completed. Holes C-89-6 to C-89-9 targeted gold-in-soil anomalies. Hole C-89-6 also penetrated a strong chargeability anomaly. Hole C-89-10 was drilled to test a strong chargeability high along the south flank of a magnetic high and below a weak gold-in-soil anomaly.

All five of the drill holes on the East grid intersected appreciable widths of heavily silicified and pyritic siltstones, mafic flows and tuffs. A large, wide spread, hydrothermal system is indicated. Only weakly anomalous gold assays were returned from holes C-89-7 to C-89-10. Drill hole C-89-6, the easternmost hole, intersected several auriferous intervals, the best of which was 5.26 g/t over 8.5 m (0.15 oz/t over 27.9 ft).

Drill logs and petrographic descriptions from selected core samples are contained in Appendices 1 and 2 respectively in Volume 1 of this report. A compilation plan, drill hole location plan and drill sections are contained in Volume 2 of this report. Drill core is stored on the West grid on the property.

## 7.2 Sampling and Assaying

The entire length of core from each drill hole was split. One half of the split core from each sample interval was submitted for analysis. All of the samples were analyzed at Eco Tech Laboratories in Kamloops, British Columbia.

Gold analyses were performed by atomic absorption. All samples which returned gold values greater than 1000 ppb were fire assayed using a 1/2 assay ton sample size for greater accuracy in determining gold content. The gold values reported in the drill logs for the strongly anomalous samples were determined by fire assay. Thirty additional elements were determined by Inductivity Coupled Argon Plasma methods (I.C.P.)

Assay certificates are contained in Appendix 3 of Volume 1 of this report.

#### 8.0 CONCLUSIONS AND RECOMMENDATIONS

Diamond drilling on the West grid was an adequate test of the anomalies there. Assay results from all of the drill holes on the West grid were discouraging. Further work in the West grid area is not recommended.

Diamond drilling on the East grid encountered strong silicification over significant intervals in all of the drill holes. Drill hole C-89-6 intersected several narrow, weakly auriferous intervals and one 8.5 metre interval which returned a weighted average of gold assays of 5.26 g/t. Hole C-89-6 is the easternmost hole in an area of the East grid where both gold-in-soil and geophysical anomalies trend off of the grid to the east.

The size and strength of the alteration zones in all of the drill holes on the East grid and the strongly anomalous gold assays returned from hole C-89-6 indicate that additional drilling is warranted. 1,450 metres of diamond drilling is recommended.

It is also recommended that the East grid be expanded to the east and that geochemical and VLF-EM, magnetometer and I.P. surveys be completed before additional drilling is undertaken. The purpose of the

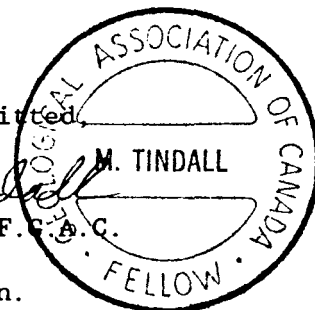
survey expansion is to define the eastern limits of the alteration, aid in drill target selection and to ensure that the most prospective areas are drilled.

The recommended grid expansion would extend 1000 metres east of the present grid and 2,500 metres north of the southern claim boundary. A total of 26 kilometers of linecutting and 25 line kilometres of geochemical and geophysical surveying would be required.

The estimated cost of the recommended exploration program is \$240,000. A budget outline is presented at the end of this report.

Respectfully submitted,

*M. Tindall*  
M. Tindall, B.Sc., F.C.A.C.  
Senior Geologist  
Corona Corporation.



BUDGET ESTIMATE

## SALARIES

Senior Geologist	15 days @ \$310/day	4,650.00
Project Geologist	- 70 days @ \$250/day	17,500.00
Geologist	- 30 days @ \$190/day	5,700.00
Assistant	- 30 days @ \$160/day	4,800.00
Line Cutting	26 km I.P. Standard @ \$575/km	14,950.00
Soil Sampling	25 km @ \$200/km	5,000.00
VLF-EM Survey	25 km @ \$65/km	1,625.00
Magnetometer Survey	25 km @ \$65/km	1,625.00
I.P. Survey	12.5 km @ \$1,600/km	20,000.00
Diamond Drilling	1,450 m @ \$80/m	116,000.00
Assaying		20,000.00
Transportation		4,500.00
Supplies		1,250.00
Shipping		1,500.00
Room & Board	110 man days @ \$40/man/day	4,400.00
Report Preparation		6,000.00
Filing Fees		<u>10,500.00</u>
Total Estimate		<u>\$240,000.00</u>

STATEMENT OF EXPENDITURES

## SALARIES

M. Tindall - Sr. Geologist	28 days @ \$290/day	\$8,120.00
R. Arnold - Project Geologist	2 days @ \$280/day	560.00
C. McAtee - Project Geologist	15 days @ \$230/day	3,450.00
G. Roste - Geologist	24 days @ \$190/day	4,560.00
R. Robertson - Geologist	49 days @ \$175/day	8,575.00
J. Cowan - Technician	56 days @ \$160/day	8,960.00
ROAD BUILDING	Gavex Investments Inc.	17,700.00
RECLAMATION	Crooked Lake Forest Products Ltd.	824.00
DIAMOND DRILLING	J.T. Thomas Diamond Drilling Ltd.	
	1,751 m Core Drilling July 19 - Aug 28	102,050.00
ASSAYING	Eco Tech Laboratories Ltd.	
	2,016 Core Samples @ \$15.75	16,205.00
VEHICLE RENTAL & MAINTENANCE		5,674.00
ROOM & BOARD	148 man days @ \$45.03/man/day	6,665.00
SUPPLIES		4,730.00
SHIPPING & EXPEDITING	- J.F. Jaycox Enterprises	1,926.00
PETROGRAPHY	Vancouver Petrographics Ltd.	
	11 Thin and Polished Sections	1,044.00
DRAFTING & REPRODUCTIONS		<u>2,013.00</u>
	TOTAL EXPENDITURES	<u>\$193,056.00</u>



LIST OF PERSONNEL

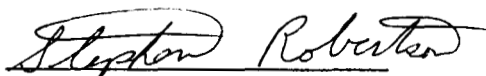
M. TINDALL - Senior Geologist May 8, 9, June 2-7, June 13-17, July 4, Aug 4, 9, 14, 15, 29, 30, Sept 5, 27, 28, Oct 17-19, Oct 30, 31	28 days
RODNEY ARNOLD - Project Geologist May 8, 9	2 days
CHRIS McATEE - Project Geologist June 5, 6, 20, 24, July 4, 12, 17-20, Aug 21-25	15 days
GARY ROSTE - Geologist July 19-31, Aug 1-3, 8-15	24 days
STEPHEN ROBERTSON - Geologist June 2-5, July 19-31, Aug 1-28, Sept 5-8	49 days
JONATHON COWAN - Technician June 2-4, July 16-31, Aug 1-31, Sept 1-6	56 days

STATEMENT OF QUALIFICATIONS

I, STEPHEN ROBERTSON, of 9820 - 92nd Avenue, Edmonton, Alberta T6E 2V5 state that:

1. I am a 1989 graduate of the University of Alberta, Edmonton, Alberta with a B.Sc degree in Geology.
2. I have been involved in mineral exploration for two season as follows:  
  
1988 - Geological Assistant  
Mascot Gold Mines Limited (Corona Corporation)  
Vancouver, British Columbia  
  
1989 - Geologist  
Corona Corporation  
Vancouver, British Columbia
3. I am presently employed as a geologist with Corona Corporation, 1440 - 800 West Pender Street, Vancouver, British Columbia V6C 2V6.
4. I have logged the core from the drilling program as discussed in this report.
5. I have no interest, direct or indirect in the property discussed in this report or in the securities of Corona Corporation nor do I expect to receive any.
6. The core logs may be reproduced and used by Corona Corporation, provided that no portion of them are used out of context or in such a manner as to convey meanings different from that set out in the whole.

Signed at Vancouver, British Columbia this 2<sup>nd</sup> day of October, 1989.

  
Stephen Robertson, B.Sc.

STATEMENT OF QUALIFICATIONS

I, MARK A. TINDALL, of 858 E. 15th Avenue, Vancouver, B.C. V5T 2R9 state that:

1. I am a 1981 graduate of Queens University, Kingston, Ontario with an Honours B.Sc. degree in Geology.
2. I am a Fellow of the Geological Association of Canada.
3. I have been employed in mineral exploration prior to my graduation and that I have practised my profession since 1981 as follows:

1988-1989 Senior Geologist  
Corona Corporation  
Vancouver, B.C.

1984-1988 Project Geologist  
Mascot Gold Mines Ltd.  
Vancouver, B.C.

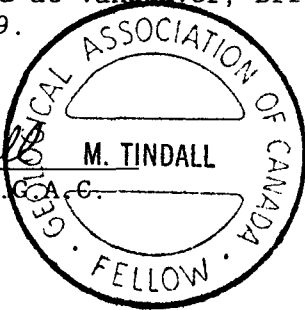
1984 Geologist  
Lornex Mining Corp. Ltd.  
Vancouver, B.C.

1981-1984 Project Geologist  
Fox Geological Consultants Ltd.  
I.M. Watson & Associates Ltd.  
Vancouver, B.C.

4. I am presently employed as a Senior Geologist with Corona Corporation, 1440 - 800 W. Pender Street, Vancouver, B.C. V6C 2V6.
5. I am the author of this report which is based on public and property reports plus on-site investigations.
6. I have no interest, direct or indirect, in the property discussed in this report.
7. This report may be used for development of the property, provided that no portion of it is used out of context or in such manner as to convey meanings different from that set out in the whole.
8. Consent is hereby given to Corona Corporation to reproduce this report in part or whole for corporate purposes relating to the raising of funds by way of a prospectus or statement of material facts.

Signed and sealed at Vancouver, British Columbia this 7 day of November 1989.

M. Tindall  
Mark Tindall B.Sc., F.G.A.C.



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APPENDIX 1  
DIAMOND DRILL LOGS



PAGE meter From	To	LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM				
							From	To	Length <sup>(m)</sup>	Au(ppb)	
0	2.13		Overburden								
2.13	6.10		Basaltic Flow	- Only 30% recovery - Course Gr (internal flow) - chl. alt - Very minor calc/qty stringers - Mud broken up - minor foliation @ 10-30° to C.A.	-	63001	2.13	5.00	2.87	5	
6.10	7.00		"	Same as above - slightly broken up.	-	63002	5.00	7.00	2.00	10	
7.00	8.50		"	- Not as broken - Calc/qty (90:10) stringers @ 25° to C.A. Py in some stringers	Tr py	61501	7.00	9.50	1.50	20	
8.50	10.00		"	- Same again only had a 15cm zone of slightly gougy material	Tr py	61502	8.50	10.00	1.50	<5	
10.00	13.00		"	- Same w/ less stringers and much more competent - still has foliation @ 30° to C.A. - chl alt. - Qtz blebs	Tr py	63003 63004	10.00 12.00	12.00 14.00	2.00 2.00	5 5	
13.00	16.00		"	- Fair bit of calc and qtz flooding but no apparent sulf trace - soft in spots due to minor structures.	Tr py	63005 63006	14.00 16.00	16.00 18.00	2.00 2.00	5 5	
16.00	19.50		"	- Same but more competent.	Tr py	63007	18.00	19.50	1.50	10	
19.50	21.00		"	- More stringers again - Includes a calc/qty veinlet which runs 11 to C.A. - still not much sulf. - Minor malochite found along frac.	Tr py	malochite 61503	19.50	21.00	1.50	15	
21.00	22.50		"	- Lots of calc/qty stringers and veinlets. Not much sulf but rusty frac. One vein (3cm) @ 50° to C.A.	Tr py	61504	21.00	22.50	1.50	5	
22.50	23.75		"	- Same again	Tr py	63008	22.50	23.75	1.25	5	
75	25.25			Same but once again lots of stringers - One 40cm area very blebbed out. Not very much sulf	Tr py	61505	23.75	25.25	1.5	10	

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HOLE NO. C-89-1

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length (m)	Au (ppb)
25.25	28.00		Basaltic Flow	Same but very badly broken up - Not any gouge - Rock is just broken	Tr	63009 63010	25.25 26.50	26.50 28.50	1.25 2.00	5 10
28.00	30.45		"	- Same - Becomes more competent. again - A few stringers of various orient.	Tr	63011	28.50	30.45	1.95	5
30.45	32.00		"	Contains a 5cm vein @ 20° to C.A. Competent - Rusty frac.	Tr	61506	30.45	32.00	1.55	90
32.00	33.50		"	Same - Broken up - Seems quite rusty but still not much sulf in rock	Tr	61507	32.00	33.50	1.50	10
33.50	35.00		"	Begin to see a little more py in rx	Tr py	61508	33.50	35.00	1.50	30
35.00	35.50		"	strong fol @ 10° to C.A. - strong calc/ate flowling - small stringers of py and aspy follow fol. Rusty frac.	1% py Trace	61509	35.00	35.50	0.50	130
35.50	36.00		"	Same as above but less intense. No aspy.	<1% py	61510	35.50	36.00	0.50	240
36.00	37.00		"	Friable - Rusty - fol	Tr	61511	36.00	37.00	1.00	80
37.00	38.50		"	Back into very competent rock w/ variable fol and stringers	-	61512	37.00	38.50	1.50	5
38.50	41.50		"	Same as above	-	63012 63013	38.50 40.00	40.00 41.50	1.50 1.50	5 10
41.50	42.00		"	2.5cm vein @ 35° to C/A. - quite barren.	Tr	61513	41.50	42.00	0.50	15
42.00	44.00		"	- Quite coarse gr. Quite competent		63014	42.00	44.00	2.00	10



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HOLE NO. C-89-1

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	Au (ppb)		
44.00	45.00		Basaltic Flow	- Same but has a 10 cm dyke of v.f. gr material - same comp - Assoc are small calc/qtz sulfidic stringers	Tr	61514	44.00	45.00	1.0	10		
45.00	48.00		"	- Coarser gr. from internal part of flow - No stringers	-	63015	45.00	46.50	1.50	10		
						63016	46.50	48.00	1.50	10		
48.00	50.50		"	- Same but becomes flooded by material below - po present	1% po Tr py	61515	48.00	50.50	2.50	130		
50.50	51.00		Basaltic Dyke	Same comp but much later - U.F. gr. Dis. blebs of py - 50cm long 30° to C.A.	2% py	61516	50.50	51.00	0.50	<5		
51.00	52.00		Basaltic Flow	- Same as above the dyke - Coarse gr. - Flooded by dyke material - Only Tr sulf.	Tr py	61517	51.00	52.00	1.00	15		
52.00	53.00		"	- Coarse gr. competent - minor rust on frac - Flooded by calc/qtz	Tr	63017	52.00	53.50	1.50	10		
						63018	53.50	55.00	1.50	10		
55.00	56.00		"	- Flooding by calc/qtz is quite commonly assoc w/ blebs and stringers of po	1% po	61518	55.00	56.00	1.00	30		
56.00	57.00		"	- Same as above - One stringer of po @ 45° to C.A. and 3mm thick. one small zone 2cm - only 70% recovery	1% po	61519	56.00	57.00	1.00	10		
57.00	58.50		Tuff	- f. gr. for the most part - still lots of po - fairly competent	1% po	61520	57.00	58.50	1.50	<5		
58.50	60.00		Basaltic flow	- Two rock types are not distinctly separate - same as above	Tr po	61521	58.50	60.00	1.50	10		
60.00	61.50		"	same w/ a little bit more tuffaceous rock.	1% po	61522	60.00	61.50	1.50	10		
61.50	64.50		"	- Same again w/ less po. - Synsed features seen in small tuff section @ 30° to C.A.		63019	61.50	63.00	1.50	5		
						63020	63.00	64.50	1.50	5		

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au (ppb)
64.50	66.00		Basaltic Flow	- same again - approx half tuff and half c.g. flow.	Tr py	61523	64.50	66.00	1.50	85
66.00	69.00		"	- same as above - little bit of sulf here and there.	Tr	63021	66.00	67.50	1.50	5
						63022	67.50	69.00	1.50	10
69.00	70.50		Tuff	- py diss evenly throughout rock - Also some py present	1% py Tr	61524	69.00	70.50	1.50	10
70.50	72.00		Basaltic Flow	- Badly broken up - 30 cm zone of gouge -	Tr	61525	70.50	72.00	1.50	<5
72.00	75.00		"	- Same as above but no gouge just broken up - low recovery ± 60%	Tr	63023	72.00	75.00	3.00	5
75.00	76.00		"	- Mod competent rock - fine diss py and po throughout - Dom fol @ 35° to C.A. some of Calc/Qtz float is up to 75% Qtz	7% py po	61526	75.00	76.00	1.00	10
76.00	77.50		"	- Same again - very comp - stringer w/ no orientation - py mostly assoc w/ flooring - po diss.	0.5% po py	61527	76.00	77.50	1.50	15
77.50	79.00		"	Same	"	61528	77.50	79.00	1.50	5
79.00	80.50		"	Some large phenos of pyx. - mostly diss po - 20 cm tuffaceous interval.	2.5% po	61529	79.00	80.50	1.50	10
80.50	82.00		"	Same as above but more broken up - stringers range 10-40° to C.A. - small Calc stringer	Tr po	61530	80.50	82.00	1.50	<5
82.00	83.00		"	1.6m long (160% return?) - Qtz and Calc float.	2% py	61531	82.00	83.00	1.00	<5
83.00	84.50		"	- Qtz flooding and silicified - f. diss sulf -	1.5% py po	61532	83.00	84.50	1.50	10

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HOLE NO. C-89-1

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	% Sulfide	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	Au (ppb)		
84.50	85.00		Basaltic F/low	Silicified - Qtz / calc stringers @ 40° to C.A. to 10° to C.A.	0.5% 2.5% py	61533	84.50	85.00	0.50	<5		
85.00	86.50		"	- Same again but no stringers or veinlets - silic - fol are 5° to C.A. Diss sulf	1% po 2.0% py	61534	85.00	86.50	1.50	5		
86.50	88.00		"	- still silicified - stronger foliation are 50° to C.A. - small stringers along fol - Bleached	Tr po 1% py	61535	86.50	88.00	1.50	10		
88.00	89.50		"	Same	0.5% py	61536	88.00	89.50	1.50	5		
89.50	91.00		"	still very similar - little more po - seems to have two foliation #1 each other (45° to C.A.)	1% py Tr po	61537	89.50	91.00	1.50	<5		
91.00	92.50		"	- Black stringers (chlorite) - No silic - mod broken up at bottom	Tr py	61538	91.00	92.50	1.50	5		
92.50	94.00		"	- Major carb flooding being in sulf - lots of chlorite - Tr of cpy found on face.	Tr cpy 1% py Tr po	61539	92.50	94.00	1.50	5		
94.00	95.50		"	- Same but more po - more broken up - stringers of po and py -	2% py 2% po	61540	94.00	95.50	1.50	<5		
95.50	96.50		"	- Fairly broken up - occasional stringers - Variable foliation - approx 60% return	Tr py	63024 63025	95.50	97.00	1.50	5		
97.00	99.50		"	- 90% calc / 20% grt stringers and veinlets - one veinlet 3cm thick @ 55° to C.A. - Not much sulf	Tr po py	61541	97.00	99.50	1.50	15		
98.50	100.00		"	- Soft - chl stringers - Tr sulf	Tr	61541	98.50	100.00	1.50	10		
100	102.50		"	- Same but more sulf - Lots of chl - Calc + grt not present.	Tr	63026	100.00	101.50	1.50	5		
102.50	103.15		"		0.5% po	61542	101.50	103.15	1.65	15		

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HOLE NO. C-89-1

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au (ppb)
103.15	104.50		Structure Zone	- Beginning of very large zone @ 20° to C.A. - Gauge - Orig rock same as above - No sulf visible	-	61543	103.15	104.50	1.35	20
104.50	106.00		"	- Main fol 25° to C.A. - Contains a few stringers of calc / qtz.	-	61544	104.50	106.00	1.50	< 5
106.00	106.70		"	Bottom contact @ 35° to C.A. - Lots of gauge - Very minor amt of carb + qtz	-	61545	106.00	106.70	0.70	< 5
106.70	107.60		Basaltic Flow	- Has a few stringers - Competent - Contains c. 7% pyx - Occasional bleb of py.	Tr py	61546	106.70	107.60	0.90	10
107.60	110.00		"	- Extremely f. gr. - May be tuft but no sed structure - Albitization? at top end - Broken up 40% return	0.5%	61547	107.60	110.00	2.40	85
110.00	112.00		"	- Same as above - < 50% recovery - more diss sulf + sulf in stringers - No contacts seen.	1.0% py Tr po	61548	110.00	112.00	2.00	10
112.00	114.00		"	- Approx 25% recovery - Green phenos (probably calc blebs) - diss py + po in stringers.	Tr py	61549	112.00	114.00	2.00	110
114.00	116.00		"	- Approx 40% recovery - Lots of small calc / qtz stringers - Some bluish light alt around stringers.	0.5% total (py + po)	61550	114.00	116.00	2.00	30
116.00	117.00		Qtz Vein	- 35 - 40% return - 50% of pieces returned are 90% qtz 10% calc veins. - Ribbed - Sulf in wall rock	2% py	61551	116.00	117.00	1.00	520
117.00	118.50		"	- Competent - 100% Return - Blebs of sulf - Qtz stringers some of which have well developed qtz tabs. - Minor epidote	Tr py	61552	117.00	118.50	1.50	45
118.50	119.50		"	- Contains minor gauge at top of interval - Rock is bleached and often friable.	Tr	61553	118.50	119.50	1.00	10
119.50	121.00		"	- 2-cm veinlets (qtz) at top of interval - Lots of py @ contact w/ wall rock - Lot of gauge around veinlets.	Tr py	61554	119.50	121.00	1.50	5

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HOLE NO. C-89-1

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au (ppb)
121.00	122.00		Gouge	- Entire zone is clay gouge (and mud) - Can't see much	-	61555	121.00	122.00	1.00	< 5
122.00	123.50		Basaltic Flow	- Badly Broken up - Approx 80% return - Can't see much sulf - Not much carbonate	-	61556	122.00	123.50	1.50	15
123.50	126.00		"	- Competent - Chl alt - No visible sulf.	-	63027	123.50	126.00	2.50	5
126.00	127.00		"	- Competent - Mod amt of calcite flood - Stringers and vesicles - Still not much sulf	Tr	61557	126.00	127.00	1.00	10
127.00	128.50		"	- Same old stuff - Neg sulf - Competent - Rare stringers - Weak variable foliation	Tr	63028	127.00	128.50	1.50	10
128.50	129.80		Dyke	- Top and bottom cont @ 50° to C.A. - plug phos in dk gr gnd mss - one lcn qtz vesicle - Occasional stringers	Tr	61558	128.50	129.80	1.30	5
129.80	131.50		Basaltic Flow	- Back into same stuff as above the dyke - Some frag have chl? showing stringers - Feels very soapy - small stringers of py	0.5% No Tr py	61559	129.80	131.50	1.70	20
131.50	133.00		"	- Getting into a structure zone - Occasional gassy material - Very soapy frac - Very ground up	-	61560	131.50	133.00	1.50	15
133.00	134.50		"	- Same as above but slight fly more competent	-	61561	133.00	134.50	1.50	5
134.50	136.00		"	same as above. material in frac may actually be talc.	Tr	61562	134.50	136.00	1.50	15
136.00	137.50		"	More broken up and gassy again - Not much calcite flood		61563	136.00	137.50	1.50	25
137.50	138.50		"	Bottom is in cont w/ a dyke - Same as above w/ an inc in calc bleeding -		61564	137.50	138.50	1.00	10

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HOLE NO. C-89-1

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM				
From	To						From	To	Length	Au (ppb)	Au (oz/ton)
138.50	140.00		Dyke	Top contact @ 60" to C/A - has small 35cm inclusion of wall rock -		Tr py 61565	138.50	140.00	1.50	35	
140.00	141.50		Basaltic Flow	Appears to be basalt intensely fluted by the above dyke - blebs and fine hairline stringers of py	0.5%	py 61566	140.00	141.50	1.50	20	
141.50	142.30		"	Same as above - Bot contact is rough but are 40" - silicified areas - Calc flooding.	0.5%	py 61567	141.50	142.30	0.80	15	
142.30	144.00		Felsic Dyke	- Very light bleached colour - contains remnants of phenos - Qtz + calc stringers Approx 70% return - py v.f. diss	1.0%	py 61568	142.30	144.00	1.70	50	
144.00	145.00		Basaltic Flow	- 150% return - Rock is floored in spots by felsic dyke material - Brecciated Qtz/calc stringers are abundant	0.5%	py 61569	144.00	145.00	1.00	15	
145.00	146.50		Felsic Dyke	v.f. diss py - chl blebs - hairline stringers - contacts very uneven - 40 cm block of wall rock.	0.5%	py 61570	145.00	146.50	1.50	30	
146.50	148.00		"	some mariposite present - some sulf in stringers as well as diss - grades into structure below	0.5%	py 61571	146.50	148.00	1.50	420	
148.00	149.50		"	- Very gougy - lg blebs of py w/ occasional aspy - Very sandy - Mariposite - 100% roll veg.	Tr aspy 2% py	61572	148.00	149.50	1.50	565	
149.50	150.50		"	Same as above only finer grained - Very white - some large grains of Qtz left - End of zone is at C.A.	Tr aspy 2% py	61573	149.50	150.50	1.00	71000	0.041
150.50	152.00		"	- Blebs (± 1cm) of mariposite - lots of chl in broc -	1.5%	py 61574	150.50	152.00	1.50	185	
152.00	152.90		"	- Same as above - Bot contact very distinct and irregular - many hairline stringers	1.5%	py 61575	152.00	152.90	0.90	365	
152.90	154.50		Basaltic Flow	- Has been strongly disturbed by intrusion of neighboring dyke. Floored by dyke material, lg py blebs	1.0%	py 61576	152.90	154.50	1.60	15	







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HOLE NO. C-89-2

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM						
From	To						From	To	Length	Au(ppb)			
0	4.57		Overburden	No return									
4.57	7.60		Siltstone	Thinly bedded - Bdy @ 25-30° to C.A. - Bdy varies in thickness - Contains very fine py which is epigenetic in origin - Badly broken up - Approx 30% return	Tr py	61580	4.57	7.60	3.03	350			
7.60	12.00		Basalt	Thinly bedded basalt dyke - Contact with siltst is missing - Contains pure calc stringers - Sulf is almost non-existent - Approx 50% return	Tr py	63033 63034	7.60	9.75	2.15	5			
12.00	14.00		"	Same as above but a few renoliths of siltst - more sulf in diss blebs and rare stringers - 50% return	0.5% py	61581	12.00	14.00	2.00	5			
14.00	15.50		"	Same as above - Only got little pebbles for return	Tr	63035	14.00	16.00	2.00	5			
15.50	18.00		"	Change in comp from above - Blotchy app of fresh basalt because of calc blebs - Competent minor calc stringers	Tr py	63036	16.00	18.00	2.00	10			
18.00	19.50		"	Same as above interval - Broken up near bottom but appears to have lower contact w/ siltst of 20° to C.A.	Tr py	63037	18.00	20.00	2.00	5			
19.50	23.00		Siltstone	Badly broken up - siltst bdy @ 30° to C.A. - Approx 80% return. py is very rare	Tr	63038 63039	20.00	21.50	1.50	5			
23.00	24.50		"	Slightly bleached - Occasional sizeable blebs of py - Little bit of limonite on trace - Very broken up	Tr py	61582	23.00	24.50	1.50	45			
24.50	27.00		"	Same as above	Tr py	63040	24.50	27.00	2.50	5			
27.00	28.50		"	Same again with more silic and sulf along stringers as well as v.f. diss sulf	60.5% Tr py po	61583	27.00	28.50	1.50	45			
28.50	30.00		"	Same again only still @ 30° to C.A. becoming more competent.	Tr py po	63041	28.50	30.00	1.50	5			

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HOLE NO. C-89-2

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au (ppm)
30.00	31.40		Siltstone	- Some becomes slightly more bleached and altered	0.5% py	61584	30.00	31.40	1.40	40
31.40	35.50		Fe Calc Dyke	- Rock was badly broken so could not find contact - Fldspar (plg) Hbl'd porphyry in a f.g. feld groundmass - occasional large shiny flakes of musc. Green + red alt - Green is felds → sericite - Red is hematite stain - No texture so difficult to say if it is a flow or a dyke.	-	63042 63043	31.40 33.50	33.50 35.50	2.10 2.00	5 5
35.50	39.00		"		-	63044 63045	35.50 37.25	37.25 39.00	1.75 1.75	10 5
39.00	40.50		"	- Same again w/ minor clay alt along flow - Competent	-	61585	39.00	40.50	1.50	20
40.50	45.00		"	Same as above - Very consistent doesn't change much - 7 tabs same size - Hem alt is spotty though	-	63046 63047	40.50 43.00	43.00 45.00	2.50 2.00	10 15
45.00	46.50		"	- Same - Very competent.	-	61586	45.00	46.50	1.50	30
46.50	50.00		"	Lower cont "appears" to be 450 f.c.A. but stst is so broken up hard to tell	-	63048 63049	46.50 48.00	48.00 50.00	1.50 2.00	20 55
50.00	52.00		Siltstone	- Badly broken - Approx 75% return	-	63050	50.00	52.00	2.00	10
52.00	52.90		"	- Minor calc + qtz flooding - 0.5% sulf - Lower cont @ 65° to C.A. -	20.5% py	61587	52.00	52.90	0.80	5
52.90	56.00		Basalt	- Has large pix phenos and lg blbs of chl - Competent - Some limonite on fr	Tr py	63051 63052	52.90 54.50	54.50 56.00	1.60 1.50	10 5
56.00	57.50		"	- weakly silicified and bleached - - lighter coloured	20.5% py	61588	56.00	57.50	1.50	45
57.50	59.00		"	Same	Tr py	63053	57.50	59.00	2.50	5

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au(ppb)
59.00	60.50		Basalt	- Qtz flooded w/ many blebs of qtz - Sulf assoc w/ qtz flood. - Competent	0.5% py	61589	59.00	60.50	1.50	<5
60.50	62.00		"	start to get phenos of pyx up to 8mm as well as xenoliths of stst.	1% py	61590	60.50	62.00	1.50	5
62.00	63.50		"	- Same as above - start to get more calc - A little broken up - Again py assoc w/ flooding	1% py	61591	62.00	63.50	1.50	<5
63.50	65.00		"	- Sudden drop in sulf content - Much less flooding - A few veinlike stringers	Tr py	61592	63.50	65.00	1.50	<5
65.00	66.50		Tuff	Turn to f.g. - No phenos - Contact @ 25° to C.A. - Strongly silicified - what appears to be agglomeratic texture	Tr py	61593	65.00	66.50	1.50	170
66.50	68.00		Tuff	- Becomes heavily silicified & flooded a gain but not much sulf - Broken up	Tr py	61594	66.50	68.00	1.50	<5
68.00	69.50		"	- Becomes strongly alt by bleaching - is inundated with tiny x-cutting stringers of mostly chl - minor mariposite.	Trace 0.5% py	61595	68.00	69.50	1.50	5
69.50	71.00		"	- Same as above - more sulf - many qtz - calc stringers @ 10° to C.A. -	Tr py	61596	69.50	71.00	1.50	5
71.00	71.75		"	- becomes strongly bleached w/ minor mariposite - strongly silicified - small qtz veinlets -	Tr py	61597	71.00	71.75	0.75	45
71.75	72.30		"	- Lots of ankerite - minor mariposite - Hem in qtz veinlets -	0.5% py	61598	71.75	72.30	0.55	20
72.30	72.70		Ankerite - Qtz Vein	- Top and bot cont both @ 15° to C.A. - all broken up w/ clasts in it -	<0.5% py	61599	72.30	72.70	0.40	200
72.70	73.50			- ~ 10% mariposite - Mod amt Ankerite - Extremely strong silic - silica flooding	0.5% py	61600	72.70	73.50	0.80	30

MASCOT GOLD MINES LIMITED

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HOLE NO. C-89-2

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au (ppb)
73.50	74.00		Tuff	- Still strong silic - No ankerite - Competent - Sulf is in large massive blebs - Some chl - Clasts and ground mass are all alike.	12% Py	61601	73.50	74.00	0.50	< 5
74.00	74.75		"	- Same as above but less sulf - Silicification is less intense - - Some tiny black chl stringers - Ends at a 2cm anker vein @ 45° to C.A.	5% Py	61602	74.00	74.75	0.75	19
74.75	76.00		"	- Has a open veinlet running 11 to C.A. - Less sulf + sulf as you go down hole - Mod competent.	7% Py	61603	74.75	76.00	1.25	20
76.00	77.50		"	- Largely unalt - Still many small black "horse-hair" stringers - (K) + qtz + calc -	Tr Py	61604	76.00	77.50	1.50	< 5
77.50	80.50		"	- Same as above but no stringers now - Silicified - spotty appearance from calc blebs - Quite fresh.	Tr Py	63054 63055	77.50 79.00	79.00 80.50	1.50 1.50	5 5
80.50	83.10		"	- Same again but a little bit broken up - Bottom contact at unknown angle (missing) -	Tr Py	63056 63057	80.50 82.00	82.00 83.10	1.50 1.10	10 5
83.10	84.50		Argillite	Bdy rare - in one spot measures 40° to C.A. - Quite massive - P. diss py and po. Weakly silicified - U dk grey. in colour.	Tr Py 10% Py	61605	83.10	84.50	1.40	< 5
84.50	85.00		"	- Same as above but less sulf	Tr	63058	84.50	85.00	0.50	5
85.00	86.50		Andesite Pyke	- Bottom cont @ 45° to C.A. - Lots of sulf - py found as hairline stringers, fig. diss and blebs -	10% Py	61606	85.00	86.50	1.50	5
86.50	88.00		Basalt Pyke	- Has more pyg phenos than above Silicified but broken up -	Tr Py	61607	86.50	88.00	1.50	< 5
88.15	91.15		"	Same as above - Some lg clasts of arg occasionally. Bottom contact is missing	Tr Py	63059 63060	88.15 89.50	89.50 91.15	1.35 1.65	5
91.15	92.90		Argillite	- Silicified - small blebs and stringers - Not much sulf - lots of bleaching.	Tr	63061	91.15	92.90	1.75	5

MASCOT GOLD MINES LIMITED

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HOLE NO. C-89-2

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au(ppb)
92.90	94.00		Argillite	- Extreme silica qtz flood (≈ 25% of rail) - Host is bleached - chl blebs - Rare Here in qtz - Not much sulf - Present but juicy	Tr	61608	92.90	94.00	1.10	5
94.00	94.55		"	- Same as above	Tr	61609	94.00	94.50	0.50	5
94.55	95.70		"	- A few small qtz - ankerite stringers and veinlets. - Mariposite blebs near bottom contact	Tr	61610	94.50	95.70	1.20	<5
95.70	96.75		Quartz - Ankerite Vein	- Only ≈ 50% return - About 1/2 vein - Cont. gone but fol @ 30° to C.A. - Vein 20cm db vein present - Bottom half is clay gouge - Fine blk material maybe aspy	0.5% sulf	61611	95.70	96.75	1.05	55
96.75	97.10		Dyke	- Flashed with calcite - Lots of epidote - Bot cont @ ≈ 60° to C.A. - Orig comp unknown - probably basalt	Tr	61612	96.75	97.10	0.35	<5
97.10	99.50		Argillite	- Back into black arg - Qtz/calc flood - Mod ant stringers - Occasional sulf - Bot cont @ 75° to C.A.	Tr	63062	97.10	99.50	2.40	5
99.50	101.80		Basalt	- Large phenos - Qtz/calc stringers - Rare sulf - Competent	Tr	63063	99.50	101.80	2.30	5
101.80	103.00		"	- Also basalt dyke but more silicified and bleached - Lots of chl + some epidote - Lots of diss po	Tr py 1.0%	61613	101.80	103.00	1.20	20
103.00	104.50		"	- Same as above	Tr py 1.0%	61614	103.00	104.50	1.50	15
104.50	106.00		"	- Same again - has a few large clasts of arg caught up in it - Epidote - chl is strong - Less sulf 1cm qtz vein @ 30° to C.A.	Tr py	61615	104.50	106.00	1.50	20
106.00	108.00		"	- Once again same as above w/ lg frags of arg in it -	Tr py	63064	106.00	108.00	2.00	20
108.00	109.20		"	- Start to get more sulf - Getting more arg frags as well. Still chl epidote alt	1.0% py 0.5% sulf	61616	108.00	109.20	1.20	5

MASCOT GOLD MINES LIMITED

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HOLE NO. C-89-2

FOOTAGE From To	LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
						From	To	Length	Au (ppb)
109.20	109.80	Quartz ankerite Vein	-Rock becomes highly silicified and bleached → grades into Qtz-ankerite vein - Actual vein is 17 cm of Qtz to C.A. - Mariposite in wall rock -	Tr aspy py	61617	109.20	109.80	0.60	15
109.80	111.00	Argillite	-Black arg which is strongly alt by silicification, chl and bleaching - Rare large blebs of py	Tr py	61618	109.80	111.00	1.20	65
111.00	112.20	"	Same as above	Tr py	63065	111.00	112.20	1.20	5
112.20	114.50	Basalt	-Weak chl epidote alt. Badly broken up - Contact missing - approx 80% return - Flooded by calc -	Tr py	63066	112.20	114.50	2.30	5
114.50	115.75	"	minor mariposite leading up to vein - Partly broken up - very bleached	Tr	61619	114.50	115.75	1.25	<5
115.75	116.10	Qtz - Ankerite Vein	-Only a minor amt of ankerite - Vein 35cm long - Fol @ 35° to C.A. - Quite barren except some stringers of pure py	1% py	61620	115.75	116.10	0.35	15
116.10	117.25	Basalt	- Strongly bleached - Some small Qtz - Ankerite veinlets - Tr stib (very isolated) - Mariposite -	Tr aspy py	61621	116.10	117.25	1.15	5
117.25	119.50	"	- Unalt - dry - a few stringers - hairline stringers of calc - chl alt	-	63067	117.25	119.50	2.25	5
119.50	120.50	"	- Strongly bleached - stib found near vein - badly broken up - lots of mariposite (23%) - mod chl alt.	1.5% py Tr aspy	61622	119.50	120.50	1.00	<5
120.50	121.00	"	Contains a 6cm qtz vein @ 40° to C.A. - 5% Mariposite - strongly bleached - Black hairline stringers	Tr aspy py	61623	120.50	121.00	0.50	95
121.00	122.50	"	- Quite unaltered - Fol @ 25° to C.A. - Not much sub. competent	Tr	61624	121.00	122.50	1.50	30
122.50	124.30	"	- Fresh basalt - Very competent - Weakly silic - A few blk stringers (chl)	Tr	63068	122.50	124.30	1.80	5

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To							From	To	Length	Au (ppb)
124.30	125.50			Basalt	- Becoming more alt - Carb flood - chl + carb alt - some stringers of sulf	2% py	61625	124.30	125.50	1.20	25
125.50	127.00			"	- Very strongly alt - Blotchy appearance due to light blebs in dk blk chl - Carb rich - Analcime present.	4% py 1% po	61626	125.50	127.00	1.50	25
127.00	128.50			"	- Back into fresh unalt basalt - Contains quite a bit of carb - Competent	Tr	63069	127.00	128.50	1.50	5
128.50	130.00			"	- Becomes more strongly altered and flooded again - small zone (240cm) which is very broken up and gangue containing Qtz - ankerite - Minor Mn carbonate	Tr py	61627	128.50	130.00	1.50	45
130.00	131.50			"	- Lots of carb flood - Heavy chl alt - A little broken up	Tr py	61628	130.00	131.50	1.50	15
131.50	134.10			"	- Same as above	Tr	63070	131.50	132.75	1.25	5
							63071	132.75	134.10	1.35	5
134.10	135.50			"	- Very large clasts - looks like an agglomerate w/ tol @ 35° to C.A. - Sulf is found between clasts. Mod silic - Some calc	5% po 3% py	61629	134.10	135.50	1.40	40
135.50	137.00			"	Contains a 50 cm layer of siltstone with top and bottom cont of 50° to C.A. - All sulf is in surrounding basalt which is the same as above interval.	Tr py 1% po 1.5% py	61630	135.50	137.00	1.50	20
137.00	138.50			Siltstone	- Top cont @ 20° to C.A. - Small blebs + stringers of chl - Bdy is not well defined	Tr py	61631	137.00	138.50	1.50	10
138.50	140.00			"	- Same as above w/ a 1 cm quartz vein near 11° to C.A. - Vein has high py content	2% py	61632	138.50	140.00	1.50	25
140.00	141.25			Basalt	- Contact was not found - Bot cont @ 50° to C.A. - lots of flood and alt near bottom	Tr	63072	140.00	141.25	1.25	5
141.25	143.25			Siltstone	- Gets more alt as you go down - calc flood	Tr	61637*	141.25	143.25	2.00	10







FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	% Sulfide	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au(ppb)
0	9.15		Overburden		-					
9.15	13.50		Siltstone	Very badly broken up (gravel) - Bdy @ 10 to 15° to C.A. - Approx 50 or 60% return. - Hairline stringers w/ chl - Weak calcification in spots.	Tr	63077	9.15	11.00	1.85	5
			"	same as above		63078	11.00	12.50	1.50	5
13.50	16.50		"		Tr	63079	12.50	14.50	2.00	5
			"			63080	14.50	16.50	2.00	5
16.50	18.10		"	- Only about 45% return - Near cont of siltst and basalt rock was heavily flooded and Fe stained - Fal @ 50° to C.A.	Tr	61638	16.50	18.10	1.60	55
18.10	19.80		Basalt	Very large phenocrysts of Ol (upto 1cm) and Pyx (up to 4mm) - Chl in spots - Rel fresh - Rare stringers	-	63081	18.10	19.80	1.70	5
19.80	23.00		"	- Becomes much finer grained - mly phenos - Start to get xenos of siltstone in it.	Tr	63082	19.80	21.50	1.70	5
			"			63083	21.50	23.00	1.50	5
23.00	26.70		"	Same as above - Start to get a little diss sulf in spots	Tr	63084	23.00	25.00	2.00	5
			"			63085	25.00	26.70	1.70	5
26.70	28.00		"	- Can see occasional bit of pyroxenoid from po - some carb + qtz flood present	0.5% po Tr py Tr sp	61639	26.70	28.00	1.30	45
28.00	29.50		"	- Same - becoming more flooded - Contains some very large clast (aggl. texture) - Minor Hem	Tr po 5%	61640	28.00	29.50	1.50	10
29.50	31.00		"	- same but not as much sulf - Bottom cont not distinct - Basalt floor went over siltst and brought chunks of it up into the basalt	Tr	63086	29.50	31.00	1.50	5
31.00	32.65		Siltstone	- Not any good bdy - some fine silts - silts near lower contact - lower cont @ 20° to C.A.	Tr	63087	31.00	32.65	1.65	10
32.65	34.00		Felsic Dyke	- Plagioclase porphyry dyke w/ some hbl'd phenos - Plg is by far dom (up to 4mm) Musc up to 2mm.	Tr ry	61641	32.65	34.00	1.35	25



E & B EXPLORATIONS INC.

PROPERTY : CARIBOO

PAGE 1 OF 2

HOLE NO: C-89-4

PROJECT NO : 8/20

LOGGED BY : S.R. DATE :

DEPTH : 162.76m

TOWNSHIP :

SURVEYED BY : DATE :

DATE COLLARED : July 30/89

RANGE : SEC :

CONTRACTOR : J.T. Thomas

DATE COMPLETED : Aug 2/89

COLLAR :				CASING LEFT IN HOLE: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CORE SIZE	DEPTH	HOLE CHARACTERISTICS		
CHAINED	SURVEYED	ESTIMATED					CAVING	LOST CIRCULATION	WATER POINTS
	GROUND	DRILL DECK	TOP OF CASING		NQ				
LENGTH									
ELEVATION	1114 m								
HOLE COORDINATES	13700	N.	N.	N.					
	15700	E.	E.	E.					

HOLE SURVEY :

EQUIPMENT TYPES USED, & EQUIPMENT LEFT IN HOLE :

DEPTH	61	122	157	0				
DIP	/	-62	-63	-61°				
MAG. BEARING								
GRID. BEARING								
TRUE BEARING	/	138	137	177°				
INSTRUMENT		Sperry	Sua	Single	Shot			

Asker  
Elevation by altimeter

HOLE SUMMARY / COMMENTS:

Blank area for hole summary and comments.

MASCOT GOLD MINES LIMITED

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HOLE NO. C-89-4

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM						
From	To						From	To	Length	Au (ppb)			
0	4.57		Overburden										
4.57	6.30		Basaltic Flow	- Strongly silicified - Has a 13 cm zone of arg @ 70° to C.A @ 5.30 m. Sulf mostly in stringers, veinlets and blebs - some calc flood - lower cont @ 80° to C.A.	Tr po 0.5% py	61649	4.57	6.30	1.73	15			
6.30	7.40		Black Argillite	- Sulf is both diss and along stringers - Heavy calcite flood near top cont - Bot cont @ 25° to C.A.	0.5% py	61650	6.30	7.40	1.10	15			
7.40	9.50		Tuff	- Lt grey colour w/ occasional blebs of calc - hairline stringers of sulf + some v. f. gr. diss sulf - lower cont @ 25° to C.A.	2.05% py	61651	7.40	9.50	2.10	15			
9.50	11.50		Basalt	- Fairly f. gr. homogeneous basalt - competent, silic. - occasional veinlets w/ lots of sulf but not much diss.	Tr	61652	9.50	11.50	2.00	15			
11.50	13.25		"	- Same as above but more sulf - Bottom contact is extremely irregular	0.5% py	61653	11.50	13.25	1.75	40			
13.25	14.50		Black Argillite	- Very black, f. gr., carboniferous - sulf is found in calc flooded areas as well as along bdy (SYNGENETIC)	3% py	61654	13.25	14.50	1.25	60			
14.50	16.00		"	bdy @ 80° to C.A. Some sulfide bds have been faulted (1-5 mm) by soft sed. defm.	3% py	61655	14.50	16.00	1.50	25			
16.00	17.10		"	- Same as above but many more stringers of py - stringers have random orient	5% py	61656	16.00	17.10	1.10	20			
17.10	17.85		Tuff	Upper cont @ 25° to C.A. Same as upper tuff - Bot cont not present	1% py	61657	17.10	17.85	0.65	30			
17.85	18.35		Black Argillite	bdy 70° to C.A. - Same as before w/ syngen sulf as well as stringers	1.5% py	61658	17.85	18.35	0.50	80			
18.35	19.70		Tuff	- Same old tuff		61659	18.35	19.70	1.35	40			

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HOLE NO. C-89-4

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au(ppb)
19.70	23.75		Black Argillite	Not as much sulf as before. The arg itself is pretty much the same though	1% py	63105	19.70	21.70	2.00	10
						63106	21.70	23.75	2.05	5
23.75	25.50		"	"Same except arg is starting to get lighter coloured silt in it now giving it a zebra appearance - will start calling it a siltstone	2% py	61660	23.75	25.50	1.75	20
25.50	26.50		Siltstone		1% py	63107	25.50	26.50	1.00	20
26.50	27.25		Tuff	Bot cont @ 30° to C.A. - Many stringers are quite magnetic - "Invisible" py -	Tr py	63108	26.50	27.25	0.75	10
27.25	28.00		Siltstone	- Same as above tuff	2% py Tr py	63109	27.25	28.00	0.75	10
28.00	29.50		Siltstone	- Same - Contains a 30 cm wedge of tuff - Found one lg blob of py + small diss - Bdg = 75° to C.A.	1% py Tr py	61661	28.00	29.50	1.50	15
29.50	34.00		"	angle of bdy dec to 30° to C.A. over interval - still get small pkgs of tuff @ 25° to C.A.	1% py Tr py	63110	29.50	31.75	2.25	20
						63111	31.75	34.00	2.25	10
34.00	35.50		"	- more calcite stringers than usual - 25% of interval is small zones of tuff @ 25° to C.A.	1.5% py Tr py	61662	34.00	35.50	1.50	35
35.50	40.00		"	Bdy varies from 40° to C.A. to 11° to C.A. - Cont between tuff and siltst are now gradational -	0.5% py	63112	35.50	37.75	2.25	5
						63113	37.75	40.00	2.25	5
40.00	41.50		"	Sulf is now diss cubes and stringers but no syngenetic -	0.5% py	61663	40.00	41.50	1.50	25
41.50	45.50		"	- Becomes fairly broken up which is very different from above which was very competent - Bdg = 30° to C.A.	Tr	63114	41.50	43.50	2.00	5
						63115	43.50	45.50	2.00	5
45.50	47.00		"	Same - More stringers than before - Some calc flood	Tr	61664	45.50	47.00	1.50	25

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM					
From	To						From	To	Length	Au(ppb)		
47.00	49.50		Siltstone	-Bdy varico a great deal due to soft sed deform - Still broken up	Tr	63116	47.00	48.25	1.25	5		
					Pz	63117	48.25	49.50	1.25	15		
49.50	51.20		"	Sulf is mainly in large stringers and lg massive blebs - Contains a 3cm qtz vein @ 30° to C.A.	1%	Pz	61665	49.50	51.20	1.70	30	
51.20	52.20		Basalt	- Same as above - Quite fresh m. gy. colour - Occasional random calc stringers. Bot cont @ 70° to C.A.	Tr	63118	51.20	52.20	1.00	5		
52.20	54.00		Siltstone	- Mostly black carboniferous argillite with a small amount of light silt in bds giving appearance of light whips in black. Lots of soft sed deformation - Sulf restricted to fract and stringers	Tr	63119	52.20	54.00	1.80	10		
54.00	56.00		"		Tr	63120	54.00	56.00	2.00	10		
56.00	58.00		"	- Becomes heavily infundated w/ calc (minor qtz) stringers - Host rock same as above -	2%	Pz	61666	56.00	58.00	2.00	45	
58.00	62.00		"	- Stop in stringer zone - Lots of soft sed deform causing great variation in bdy - Bdy varico 20-90° to C.A.	Tr	63121	58.00	60.00	2.00	15		
						63122	60.00	62.00	2.00	10		
62.00	66.50		"	- Becomes siltier and gets more sulf towards bottom -	Tr	63123	62.00	64.25	2.25	5		
					Pz	63124	64.25	66.50	2.25	15		
66.50	69.00		"	- Get sulf with bleed, diss, and along frac and stringers -	1%	Pz	61667	66.50	68.00	1.50	30	
68.00	69.50		"	- Section contains a 1.5cm (true width) vein @ 30° to C.A. - Not very many stringers	1%	Pz	61668	68.00	69.50	1.50	15	
69.50	74.00		"	- Dec in py although still present as diss + stringers - Very unalt rock - Competent - Some small areas bleached	Tr	63125	69.50	71.50	2.00	5		
					Pz	63126	71.50	73.50	2.00	10		
			"	- Becomes slightly broken up - bdy is mostly 75-90° to C.A.	Tr	63127	73.50	75.50	2.00	5		
74.00	77.00				Pz	63128	75.50	77.00	1.50	10		
						63129	77.00	79.00	2.00	5		

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM			
From	To						From	To	Length	Au (ppb)
77.00	83.00		Siltstone	- Same old stuff - Mod broken up - No sulf - Occasional layers of bleached rock (fuff?)	-	63130	79.00	81.00	2.00	5
						63131	81.00	83.00	2.00	5
83.00	84.50		"	- Contains two small (5cm) areas of heavy gouge and blood - Small streaks of turquoise colour -	Tr	61669	83.00	84.50	1.50	25
84.50	85.85		"	- Bottom cont @ 50° to C.A. - Quite fresh, right down to the contact	Tr	67132	84.50	85.85	1.35	10
85.85	90.00		Basalt	- Medium gg. gr. basalt w/ pyx phenos - Minor calc blood and epidote - Very competent - Occasional random stringers - Relatively fresh - Bot cont at 45° to C.A	Trpo	63133	85.85	88.00	2.15	5
						63134	88.00	90.00	2.00	5
90.00	91.20		"	Bdg below is // to cont -	Tr	63135 6	90.00	91.20	1.20	5
91.20	94.00		Siltstone	- Same as above the basalt	Tr	63136	91.20	92.50	1.30	10
						63137	92.50	94.00	1.50	10
94.00	95.50		"	- Gets lighter - Perhaps some tuff content - Bdg highly variable - Minor calc.	Tr	61670	94.00	95.50	1.50	20
95.50	100.00		"	- Same as above	Tr	63138	95.50	97.75	2.25	5
						63139	97.75	100.00	2.25	5
100.00	102.00		"	- Contains a 25cm dyke (basalt) + to C.A. - Tr mariposite - Occasional stringer sulf - Becomes very rich toward bot	Tr	61671	100.00	102.00	2.00	15
102.00	104.50		"	Becomes badly broken up as you move down hole - Some v.f. gr sulf in flooded area	Tr	63140	102.00	103.25	1.25	20
						63141	103.25	104.50	1.25	10
104.50	106.00		"	- Contains a lot of carb stringers and assal py - Mod competent	1% pz	61672	104.50	106.00	1.50	20
106.00	111.00		"	Bdg varies 65 to 90° to C.A. - Same old stuff but more calc than us all	Tr	63142	106.00	108.00	2.00	10
						63143	108.00	110.00	2.00	10
						63144	110.00	112.00	2.00	10



FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	% Sulfide	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au(ppb)
111.00	117.00		Siltstone	Bdy varies slightly $\approx 60^\circ$ to C.A. - Competent - Med to Lt gr in colour - Occasional calc stringers	Tr	63145	112.00	114.00	2.00	15
			"	- Same but contains a small structure which is qtz-calc flooded.	Tr	63146	114.00	115.50	1.50	15
117.00	118.50		"	- Tr suff - Bdy varies a lot	Tr	63147	115.50	117.00	1.50	15
			"	Rock get later coloured probably due to a higher dust tuft content $\rightarrow$	Tr	61673	117.00	118.50	1.50	10
118.50	123.50		"	More dust tuft $\rightarrow$ more contorted bdy	Tr	63148	118.50	121.00	2.50	10
			"	- Very competent - Gr size get up to v.c.v. silt in some spots -	Tr	63149	121.00	123.50	2.50	10
123.50	127.30		"		Tr	63150	123.50	126.00	2.50	10
			"	- Minor qtz calc flood w/ assoc vugginess - Gr grades down into almost black argillite.	Tr	63151	126.00	128.30	1.50	70
127.30	129.00		"		Tr	61674	127.30	129.00	1.70	50
130.00	132.00		"	Back into the same old light coloured siltst - Broken up towards bottom	Tr	63152	130.00	132.00	2.00	20
132.00	133.50		"	Entire length of sample has a ribboned 1.5cm wide vein running    to C.A.	Py	61675	132.00	133.50	1.50	50
133.50	134.75		"	- Seems to be bleached and some qtz calc flood but not much sulf.	Tr	63153	133.50	134.75	1.25	20
134.75	136.50		Tuff	- Top cont @ $15^\circ$ to C.A. - Fairly coarse gr. Ave $\approx 3$ mm - Fol (or bdy) @ $50^\circ$ to C.A.	Tr	63154	134.75	136.50	1.75	15
136.50	142.50		Siltstone	- Brk of siltstone - Cont not seen - Med broken up - mostly small w/ occasional stringers	Tr	63155	136.50	138.50	2.00	10
			"	- Only $\approx 40\%$ return - Heavy qtz calc flood - Bdy broken up	10% Pt	63156	138.50	140.50	2.00	25
142.50	145.00		"		Pt	63157	140.50	142.50	2.00	10
			"		Pt	61676	142.50	145.00	2.50	60
145.00	146.50		"	- Same as above only less intense Approx 85% return -	Tr	61677	145.00	146.50	1.50	15

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au(ppb)
146.50	152.00		Siltstone	- Broken up - Bdg @ 30° to C.A. - Approx 75% return - Bot cont @ 30° to C.A.	Tr	63158	146.50	148.00	1.50	10
						63159	148.00	150.00	2.00	10
152.00	152.60		Basalt	- Small dyke w/ little alt - Lower cont very irregular	Tr	63160	150.00	152.00	2.00	5
						63161	152.00	152.60	0.60	5
152.60	153.50		Siltstone	- Extremely bleached - High degree of silicific flood - Many stringers going in all directions - Tr mariposite in spots - Not much subl considering amt of alt -	1.5% Pg	61678	152.60	153.50	0.90	25
153.50	155.00		"		1.0% Pg	61679	153.50	155.00	1.50	15
155.00	156.50		"	- Same as above - No mariposite but still lots of flood - Return close to 100%.	1.0% Pg	61680	155.00	156.50	1.50	10
156.50	158.00		"	- Alt becomes less intense and gradually grades into unalt Rx - Fol ≈ 65° to C.A.	Tr	61681	156.50	158.00	1.50	20
158.00	158.90		"	- Same as siltst above + the flooded zone - Mod broken up Occasional stringers	Tr	63162	158.00	158.90	0.90	35
						63163	158.90	160.75	1.85	5
158.90	162.76		Tuff	- Ave clast size = 1-2 mm - Mod broken up - Quite fresh - Occasional to rare hairline stringers	-	63164	160.75	162.76	2.01	5
				EOH 162.76 m.						

E & B EXPLORATIONS INC.

PROPERTY : CARIBOO

PAGE 1 OF 8

HOLE NO: C-89-5

PROJECT NO : 8120

LOGGED BY : G.R.

DATE :

DEPTH : 169.16 m

TOWNSHIP :

SURVEYED BY :

DATE :

DATE COLLARED : Aug 2/89

RANGE :

SEC :

CONTRACTOR : J. T Thomas

DATE COMPLETED : Aug 7/89

COLLAR : CHAINED ; SURVEYED ; ESTIMATED <input checked="" type="checkbox"/> ;				CASING LEFT IN HOLE: YES NO <input checked="" type="checkbox"/>	CORE SIZE NQ	DEPTH	HOLE CHARACTERISTICS		
LENGTH	GROUND	DRILL DECK	TOP OF CASING				CAVING	LOST CIRCULATION	WATER POINTS
ELEVATION	1067 m								
HOLE COORDINATES	9+40 W N. L 16+25 E	N. E.	N. E.						

HOLE SURVEY : SPERRY SUN

EQUIPMENT TYPES USED, & EQUIPMENT LEFT IN HOLE :

DEPTH	46	107	169	0				
DIP	-67	-67	-67	-67°				
MAG. BEARING								
GRID. BEARING								
TRUE BEARING	173	175	177	180°				
INSTRUMENT								

Acker  
Elevation by altimeter

HOLE SUMMARY / COMMENTS:

Blank area for hole summary and comments.

MASCOT GOLD MINES LIMITED

PAGE 2 OF 8

HOLE NO. C-89-5

MetreAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM			
From	To						From	To	Length	Au(ppb)
0	3.66		Overburden	- No return	-					
3.66	5.80		Basalt	- 20 to 25% return - Very broken up - F.g. groundmass w/ pyx phenos - Cont. not seen.	-	63165	3.66	5.80	2.14	5
5.80	7.55		Tuff	Clasts up to 7mm - 10-15% return - Quite fresh and unmet	-	63166	5.80	9.50	3.70	5
						63167	9.50	11.50	2.00	5
7.55	14.00		Siltstone	- Cont not observed - Bdg highly variable due to soft sect deform - Approx 65-70% return	Tr	63168	11.50	14.00	2.50	5
14.00	21.00		"	Same as above but has a few (black) hairlike stringers - Minor calc/Qtz float.	Tr	63169	14.00	17.00	3.00	5
						63170	17.00	20.00	3.00	5
21.00	26.00		"	- Continues to be very broken up and low return - Occasionally find small amts of po	Tr	63171	20.00	22.00	2.00	5
						63172	22.00	24.00	2.00	5
26.00	28.00		"	- Same	Tr	63173	24.00	26.00	2.00	5
						63174	26.00	28.00	2.00	5
28.00	29.50		"	- Slightly more competent - Bdg @ 35° to L.A. - Occasional blebs of pyx	Tr	61682	28.00	29.50	1.50	10
						63175	29.50	31.50	2.00	5
29.50	35.00		"	- Bdg remains fairly consistent - Still broken up - Small 45cm basalt dike at bot of interval - No cont seen	Tr	63176	31.50	33.50	2.00	5
						63177	33.50	35.50	2.00	5
35.00	40.00		"	Same -	Tr	63178	35.50	37.50	2.00	5
						63179	37.50	39.50	2.00	5
40.00	42.00		"	- Same again - No Horn contact not seen - Some of this is so badly broken it comes out as sand	Tr	63180	39.50	40.75	1.25	5
						63181	40.75	42.00	1.25	5
42.00	43.50		Basalt	Large phenos of pyx and ol - Diss py and po - Broken just as badly as above siltstone	0.5% py+po	61683	42.00	43.50	1.50	25

MASCOT GOLD MINES LIMITED

PAGE 3 OF 8

HOLE NO. C-89-5

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	Au(ppb)		
43.50	46.00		Basalt	- Occasional small broken up layers of siltst - Still dissp + po in basalt - Approx 75% return	0.5% ppt po	63182	43.50	45.00	1.50	5		
						63183	45.00	46.00	1.00	5		
46.00	51.00		Siltstone	- Very broken up - Sulf mostly in hair-line stringers - Bdg varies but mainly = 30° to C.A.	Tr	63184	46.00	48.00	2.00	LS		
			"			63185	48.00	50.00	2.00	5		
51.00	53.00		"	Same - Bottom cont not seen		63186	52.00	51.50	1.50	10		
						63187	51.50	53.00	1.50	10		
53.00	55.00		Basalt	Weakly silicified - Blebs of Qtz - Bleached in areas - Diss. sulf - Foliated in various directions	2.05% ppt	61684	53.00	55.00	2.00	10		
55.00	56.90		"	- Flooding by Qtz more intense - More stringers - More foliation (varies)	Tr	61685	55.00	56.90	1.90	20		
56.90	57.50		"	Includes an 18cm Qtz/Ankerite vein @ 30° to C.A. - Mariposite (small amt) - Only sulf in wall rock	Tr	61686	56.90	57.50	0.60	75		
57.50	59.50		"	- Same as above vein only small amount of flood and very few stringers - Neg sulf	-	63188	57.50	59.50	2.00	LS		
59.50	60.25		"	- More broken up and floccid - some sulf - Fair bit of CH1 alt	Tr	63189	59.50	60.25	0.75	5		
60.25	61.75		"	- Near bottom Qtz flood has red (Hem) stain in it - Silicified competent -	Tr	61687	60.25	61.75	1.50	10		
61.75	62.50		"	- Strongly bleached, silicified - Veining @ 35° to C.A. - 20cm "veined zone" - Hem stain in Qtz.	0.5% ppt	61688	61.75	62.50	0.75	10		
						63190	62.50	65.00	2.50	LS		
62.50	69.00		"	- Basalt gets fresher as you go down hole - Not too badly broken up - Rare stringers	Tr	63191	65.00	67.00	2.00	5		
						63192	67.00	69.00	2.00	LS		
69.00	76.00		"	Same again - Return is close to 100% -	Tr	63193	69.00	71.00	2.00	5		
						63194	71.00	73.50	2.50	LS		
						63195	73.50	76.00	2.50	5		

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au (ppb)
76.00	77.45		Basalt	-Rock gets lighter w/ calc flood, epidote alt and qtz flood - Sudden inc. in diss sulf content - Very competent	2% Py	61689	76.00	77.45	1.45	15
77.45	78.45		Basalt Dyke	-Very fine gr. - Distinct from above and below - Top cont 50° Bottom 35° to C.A. - Many dry qtz/calc stringers/veinlets	Tr	61690	77.45	78.45	1.00	10
78.45	80.00		Basalt	-Same as above dyke but w/ less alt and sulf - Competent - Occasional stringers -	1% Py	61691	78.45	80.00	1.55	10
80.00	84.00		)	-Back into finer gr. stuff but this has a flow texture - A few random stringers	Tr	63196	80.00	82.00	2.00	5
						63197	82.00	84.00	2.00	5
84.00	87.50		"	-Top cont @ 45° to C.A. - Unsure of bot cont as zone gets very bleached and flooded - String of @ 45° to C.A. - Tr. matrix	1.5% Py	61692	84.00	85.50	1.50	35
85.50	89.00		"	-Back into dry unalt basalt - competent -	Tr	63198	85.50	87.50	2.00	10
						63199	87.50	89.00	1.50	10
89.00	90.50		"	-Lots of stringers and veinlets of calc/qtz - Has a maroon hem stain in spots - F. diss sulf	8% Py	61693	89.00	90.50	1.50	20
90.50	92.00		"	-More of same as above - Fol = 35° to C.A. -	10% Py	61694	90.50	92.00	1.50	65
92.00	94.00		"	-Very fine gr. - very fresh - competent	-	63200	92.00	94.00	2.00	5
94.00	95.60		Felsic Dyke	-Top cont @ 30° to C.A. Bot @ 10° - Dam plug phenos - Minor calc flood - diss sulf -	0.5% Py	61695	94.00	95.60	1.60	15
95.60	99.75		Basalt	-Fairly f. gr. - one 20cm section of above dyke (xenolith) - Minor calc	Tr	63201	95.60	97.75	2.15	5
						63202	97.75	99.75	2.00	5
99.75	106.00		"	-Weakly silicified - f. gr. diss sulf - Broken up in some spots -	0.5% Py	63203	99.75	102.00	2.25	5
						63204	102.00	104.00	2.00	5
						63205	104.00	106.00	2.00	5

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM					
From	To						From	To	Length	Au ppb		
106.00	107.50		Basalt	- same as above - Includes a 20cm zone of intense brecciation / flood - Flood material calc + albite - Hem stain	Tr Py	61696	106.00	107.50	1.50	45		
107.50	109.00		"	- Is fresh dk. gy @ top and becoming more alt @ bot. - Fract filled w/ green (albite?)	Tr Py	61697	107.50	109.00	1.50	5		
109.00	111.00		"	- Stringers of sulf - Quite broken up - 70% return - Mostly chl alt	25% Py	61698	109.00	111.00	2.00	10		
111.00	111.80		"	- Same	0.5% Py	63206	111.00	111.80	0.80	10		
111.80	112.60		Play - Hbl'd Porphyry Dyke	- Actually quite dark in colour - - V. f. gr. diss py - Small (10cm) zone of gouge at bottom of interval	Tr Py	61699	111.80	112.60	0.60	45		
112.60	113.80		Basalt	- Quite broken up and faulted - start to get intense epidote alt along fractures and stringers		61700	112.60	113.80	1.20	25		
113.80	115.50		Basalt	- Very strong epidote alt - minor hem stain - strong assoc bet sulf and epidote - Competent	2.5% Py	61701	113.80	115.50	1.70	65		
115.50	116.65		" Quartz Flood	- Up to 50% quartz flood - Strong fol @ 40° to C.A. -	2.0% Py	61702	115.50	116.65	1.15	75		
116.65	117.75		Play - Hbl'd Porphyry Dyke	- Same as other one but much fresher Contains much v. f. gr. po. - Also contains biotite - quite f. gr. - Blebs of calc	1% po	61703	116.65	117.75	1.10	10		
117.75	118.85		"	- Same as above - 4cm Qtz / calc vein @ bot @ 40° to C.A. - - Not the same as dyke in (C-89-2??)	1% Tr, Py	61704	117.75	118.85	1.10	35		
118.85	120.50		Basalt	- Appears to be very similar to above porphyry dyke but mineralogy is quite different - Mod broken up	1.5% Py	61705	118.85	120.50	1.65	45		
120.50	122.00		"	- same - quite fresh - Contains many large frags of siltstone - occasional stringers	Tr	61706	120.50	122.00	1.50	45		

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM				
From	To							From	To	Length	As ppb	
122.00	124.00			Basalt	- Veinlets @ 35° to C.A. - Mod calc flood - competent	Tr Py	61707	122.00	124.00	2.00	10	
124.00	126.00			"	Same	Tr Py	61708	124.00	126.00	2.00	10	
126.00	127.00			"	- Becoming more bleached down hole - Strong calc content - Tr mariposite	1.5% Py	61709	126.00	127.00	1.00	25	
127.00	128.00			"	- Strong albite flood - Lg blebs of mariposite (0.5%)	0.5% Py	61740	127.00	128.00	1.00	25	
128.00	129.50			"	- Hem stain - Fol @ 25° to C.A. - Start to get many clasts of S/Hst.	2% Py	61711	128.00	129.50	1.50	10	
129.50	131.00			"	Strong fol @ 20-25° to C.A. - Intense Qtz flood - A few small blebs mariposite - Not much calc	2.5% Py	61712	129.50	131.00	1.50	45	
131.00	132.00			"	- Py mostly in stringers and veinlets - Some minor vugs - 0.5% marip - Albite flood - Strong Qtz flood.	5.0% Py	61713	131.00	132.00	1.00	40	
132.00	133.50			"	- Rel unalt section - U.F. stringers + minor flood - Compete	0.5% Py	61714	132.00	133.50	1.50	15	
133.50	134.50			"	- Strongly foliated near 11 to C.A. - Strongly flooded - Albitized - Very low calc -	3.2% Py Tr Aspy?	61715	133.50	134.50	1.00	20	
134.50	136.00			"	- Many Qtz stringers @ 20° to C.A. - Some Hem in Qtz - Some very large plag phenos -	0.5% Py	61716	134.50	136.00	1.50	45	
136.00	137.50			"	- Same as above but more flooded and alt - Fol @ 20° to C.A. - Tr mariposite -	2.5% Py Aspy?	61717	136.00	137.50	1.50	870	
137.50	138.60			"	- Veinlets and fol @ 11 to C.A. - 1% mariposite - Blebs of Py - Strong flood	2.0% Py	61718	137.50	138.60	1.10	375	



FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	Ag ppb		
138.60	140.00		Plug Porphyry Dyke	- Upper cont not seen - Fol @ 20° to C.A. - Py as blebs and stringers - 1% maliferous - Minor calc flood - Similar to vein in (C-89-2?)	5.0% Py	61719	138.60	140.00	1.40	390		
140.00	141.50		"	- Same as above but more broken - Cont not seen	5.0% Py	61720	140.00	141.50	1.50	95		
141.50	143.00		Basalt	- Very fine grained - Broken up - minor qtz/calc flood - diss. Py. - Minor to mod chl alt	1% Py	61721	141.50	143.00	1.50	10		
143.00	144.50		"	- Lots of stringers of qtz/calc - Still slightly broken up - sulf is blebs + diss.	1.5% Py	61722	143.00	144.50	1.50	25		
144.50	146.50		"	- Less alt than above - competent - Occasionally see phenos of pyx	0.5% Py	61723	144.50	146.50	2.00	5		
						63207	146.50	148.00	1.50	5		
146.50	151.00		"	- Same as above	0.5% Py	63208	148.00	149.50	1.50	5		
						63209	149.50	151.00	1.50	5		
151.00	151.65		"	* Approx 350% return (blacks misplaced) - Becomes bleached in middle but is less alt at bot. - Actually 1.7m long	0.5% Py	61724	151.00	151.65	0.65	15		
151.65	154.00		"	- Same but very fresh - competent - Occasional stringers - blks	Tr	63210	151.65	154.00	2.35	5		
154.00	156.00		"	- blebs from calc flood - Tr diss sulf + blebs - Rare stringers of sulf	0.5% Py	61725	154.00	156.00	2.00	5		
156.00	157.50		"	- Becomes slightly qtz flooded towards bottom - Bot cont @ 30° to C.A.	Tr	63211	156.00	156.85	0.85	5		
						61726	156.85	158.20	1.35	25		
157.50	159.10		Siltstone	Bot cont @ 45° to C.A. - No distinct graded bdy	0.5% Py	63212	158.20	159.50	1.30	10		
						63213	159.50	161.00	1.50	5		
161.00	162.90		Basalt	fresh - Large blebs of epidote - calc flood - Few lg blebs of py	20.5% Py	61727	161.00	162.50	1.50	5		



E & B EXPLORATIONS INC.				PROPERTY: <i>Cariboo</i>				PAGE <u>1</u> OF <u>10</u>				HOLE NO: <i>C-89-6</i>					
PROJECT NO: <i>8120</i>				LOGGED BY: <i>SR</i>				DATE:				DEPTH: <i>188.98 m</i>					
TOWNSHIP:				SURVEYED BY:				DATE:				DATE COLLARED: <i>Aug 7/89</i>					
RANGE:				SEC:				CONTRACTOR: <i>J.T. Thomas</i>				DATE COMPLETED: <i>Aug 12/89</i>					
COLLAR: CHAINED ; SURVEYED ; ESTIMATED <input checked="" type="checkbox"/> ;				CASING LEFT IN HOLE: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>				CORE SIZE		DEPTH		HOLE CHARACTERISTICS					
LENGTH		GROUND		DRILL DECK		TOP OF CASING		<i>NQ</i>				CAVING		LOST CIRCULATION		WATER POINTS	
ELEVATION		<i>3750 ft</i>															
HOLE COORDINATES		<i>3+75N N.</i>		<i>658E E.</i>		<i>N.</i>											
HOLE SURVEY: <i>Sperry Sun</i>										EQUIPMENT TYPES USED, & EQUIPMENT LEFT IN HOLE:							
DEPTH		<i>61</i>		<i>122</i>		<i>183</i>		<i>0</i>		<i>Acker</i>							
DIP		<i>47</i>		<i>49.5</i>		<i>48</i>		<i>-50°</i>		<i>Elevation by altimeter</i>							
MAG. BEARING																	
GRID. BEARING																	
TRUE BEARING						<i>180°</i>											
INSTRUMENT																	
HOLE SUMMARY / COMMENTS: <i>This hole was drilled under a soil Au anomaly. Several sections of stibnite (up to 2%) were intersected. The sperry sun results indicated Az ± 310° even though the drill was pointed due southe. This may suggest a magnetic body to the south.</i>																	

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To							From	To	Length	Au PP6		
0	9.14			Overburden		-							
9.14	11.00			Basalt	- Appears to have had an agglomeratic texture but more present intense flood of gtz/carb but mostly white has obsural orig texture = 270% return	1% py	61729	9.14	11.00	1.86	20		
11.00	13.75			"	- Same but more broken up - 360% return - Sulb diss and as tiny stringers More silic/carb flood	1% py	61730	11.00	13.75	2.75	45		
13.75	14.30			Siltstone	- Top con? @ 35° to C.A. - No distinct bdy - Lots of tiny slabs of carb/epid from flood - diss sulb - med green	1.5% py	61731	13.75	14.30	0.55	5		
14.30	16.00			Basalt	- Same as above siltst. - weak striations on some frac - Minor epidote - med competent	1% py	61732	14.30	16.00	1.70	10		
16.00	17.50			"	- Rock looks exactly the same but less sulb -	0.5% py	61733	16.00	17.50	1.50	45		
17.50	19.50			"	- Same as above - Becomes a little more competent -	0.5% py	63217	17.50	19.50	2.00	5		
19.50	21.00			"	- Same	0.5% py	61734	19.50	21.00	1.50	45		
21.00	23.50			"	- Same - S	0.5% py	63218	21.00	22.00	1.00	5		
							63219	22.00	23.50	1.50	5		
23.50	25.00			"	- Still the same - Very competent - 100% return - Sulb is diss - Rare to Occasional calc/epid stringers	0.5% py	61735	23.50	25.00	1.50	10		
25.00	26.50			"	- Same	0.5% py	61736	25.00	26.50	1.50	45		
26.50	28.00			"	- Becomes more bleached and gtz/calc flooded - Enclosed alum veinlet @ 25° and one @ 5.0' to C.A. - Bleb of Epidote x py	1.0% py	61737	26.50	28.00	1.50	15		

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	AM ppb		
28.00	28.75		Basalt	- Same	1.5% py	61738	28.00	28.75	0.75	45		
28.75	29.20		Siltstone	- large blobs of cpy @ bot contact. - bot cont @ 15" to E.A. - Top @ 35"	1% py Tr cpy	61739	28.75	29.20	0.45	30		
29.20	30.50		Basalt	- Buck into same basalt - minor epidote - Variable bot - Heavy Silica flooding	2% py	61740	29.20	30.50	1.30	45		
30.50	32.00		"	- Contains a 25cm flag like porphyry dyke w/ v.f. gr. ground mass @ top - minor epidote -	0.5% py	61741	30.50	32.00	1.50	45		
32.00	34.00		"	- still lots of sub assoc w/ epidote - less and less albite flood - mod calc/ qtz flood - Hem - Flooded by v.f. gr. basalt dykes of basaltic comp. - Slight bot @ 320-25" to C.A.	2% py	61742	32.00	34.00	2.00	45		
34.00	36.00		"	Becomes silicified - Get more sulf in stringers as you go down - minor Hem in qtz - More qtz flood towards bot	2% py	61743	34.00	36.00	2.00	20		
36.00	38.00		"	Includes a 20cm zone of intense qtz flood - Some siltstone mixed w/ basaltic flow -	2% py	61744	36.00	38.00	2.00	10		
38.00	39.00		"	Slightly bleached - Flood less intense - Mod competent - Not silicified	3% py	61745	38.00	39.00	1.00	85		
39.00	40.00		"	- Same - Less sulf and flood than above - Becomes more broken up	20.5% py	63220	40.00	42.00	2.00	10		
40.00	46.00		"	- Same -	20.5% py	63221	42.00	44.00	2.00	10		
46.00	47.50		"	- Same -	20.5% py	63222	44.00	46.00	2.00	10		
47.50	50		"	- Same again - Most of py is in cubes up to 3mm which are likely syngenetic	0.5% py	63223	46.00	47.50	1.50	5		
50	49.00		"		0.5% py	61747	47.50	49.00	1.50	45		

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To							From	To	Length	Au ppb
49.00	52.50			Basalt	- Has a few strong blotches of epidote - a little more competent than above	0.5% Py	61748	49.00	50.50	1.50	25
50.50	53.00			"	- Same again but only occasional epidote seen - Flooding is minor	20.5% Py	63224	50.50	51.75	1.25	10
							63225	51.75	53.00	1.25	5
53.00	54.50			"	- Back into more epidote again - competent	0.5% Py	61749	53.00	54.50	1.50	15
54.50	56.20			"	Includes a 5cm which is 65/35 calc/gtz @ 50° to C.A. - Lots of flooding - 20cm intervals slt/gtz @ 50° to C.A.	20.5% Py	61750	54.50	56.00	1.50	10
56.00	59.00			"	- Not much flood - Broken up - has a weak fol with variable orientation	T <sub>1</sub>	63226	56.00	57.50	1.50	10
							63227	57.50	59.00	1.50	10
59.00	60.50			"	- Rock becomes more competent w/ more flood + sulf - Many tiny hairline stringers + some syngenetic sulf	Trop 0.5% Py	61751	59.00	60.50	1.50	10
60.50	62.50			"	- Most flood but not too much sulf - Quite competent.	20.5% Py	63228	60.50	62.50	2.00	10
62.50	64.00			"	- Same but start to get Py in lg. blebs + stringers - minor Rem stat in gtz	0.5% Py	61752	62.50	64.00	1.50	35
64.00	65.50			"	- Includes a small zone which is very broken w/ gtz - Rest of zone is same as above	0.5% Py	61753	64.00	65.50	1.50	5
65.50	67.50			"	- Much less sulf but great deal of free + flooding - Very minor structure @ 10° to C.A.	T <sub>v</sub>	61754	65.50	67.50	2.00	15
67.50	70.00			"	- Much less flood - Mod broken up -	T <sub>r</sub>	63229	67.50	68.75	1.25	5
							63230	68.75	70.00	1.25	5
70.00	71.50			"	- More competent, more sulf, more flood - Fol 70-50° to C.A. - Py strongly assoc w/ flood	0.5% Py	61755	70.00	71.50	1.50	10

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HOLE NO. C-89-6

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM				
From	To							Sulfide	No.	From	To	Length
71.50	73.00			Basalt	- Same as above only more bleed - minor hem in qtz -	Tr	61756	71.50	73.00	1.50	5	
73.00	74.50			"	- Same but towards bottom extreme brecciation and bleed - More broken up	Tr	61757	73.00	74.50	1.50	15	
74.50	76.00			"	Same	Tr	61758	74.50	76.00	1.50	20	
76.00	77.50			"	- Same again but is very broken up and becomes gougey - Fol @ 50° to C.A. - Minor Mariposite	Tr	61759	76.00	77.50	1.50		1.03
77.50	79.00			"	- Same but no gouge and more mariposite - Approx 60% return - Still not much sulf	Tr	61760	77.50	79.00	1.50	35	
79.00	80.50			"	- Impossible to tell orig rock - Same as above	Tr	61761	79.00	80.50	1.50	10	
80.50	82.50			Fine Grained Basalt	Same but much more competent - Orig rock appears to have been fine grained basalt	Tr	61762	80.50	82.50	2.00	5	
82.50	83.95			"	- Becomes strongly albite flooded - Competent - decs sulf - Lower cont @ 30° to C.A.	0.5% Pq	61762	82.50	83.95	1.45	15	
83.95	85.40			Plag Porphyry Dyke	- Very lt grn colour - Homogeneous in appearance - Plug phas - Tr mariposite - Competent - Bot cont @ 30°	Tr	61763	83.95	85.40	1.45	10	
85.40	87.00			Tuff	- Very difficult to tell orig rock - Bleached + flooded by calc, qtz, albite -	Tr Pq	61764	85.40	87.00	1.60	20	
87.00	89.00			"	Same - More sulf than above interval - Fol in spots - Sulf is blebs, diss + stringers.	0.5% Pq	61765	87.00	89.00	2.00	130	
89.00	91.00			"	- Same but much more bleached more sulf as well	1.0% Pq	61766	89.00	91.00	2.00	15	

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HOLE NO. C-89-6

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To							From	To	Length	Au ppb
91.00	92.00			Tuff	- Same but 20.5% mariposite - by blebs of py - Moderately competent	2% py	61767	91.00	92.00	1.00	10
92.00	94.00			"	- less bleached than above - seems to be small intervals of arg (h/k) in with the tuff.	0.5% py	61768	92.00	94.00	2.00	10
94.00	96.70			"	- More h/k arg content - less bleached and flooded - less sulf	20.5% py	63232 63233	94.00	95.50	1.50	5
96.70	98.20			"	To Mariposite - becomes more bleached again	1% py	61769	95.50	96.70	1.20	55
98.20	99.20			"	- More bleached - Includes a 15cm zone @ 20° to C.A w/ 10% marip 30% calc 20% qtz	1% py	61770	96.70	98.20	1.50	15
99.20	101.00			"	- Fol @ 45° to C.A. - Sulf is very fine gr. diss - competent Bleached but not much calc qtz	1% py	61771	98.20	99.20	1.00	20
101.00	103.00			"	- Same	1% py	61772	99.20	101.00	1.80	60
103.00	105.00			"	- Strongly fol but fol varies a great deal - minor amount of gouge on structure 3/10° fol. A	1% py	61781*	101.00	103.00	2.00	15
105.00	107.00			"	- This zone also has minor structures @ 10° to C.A. w/ minor gouge and clay alt -	1.5% py	61773	103.00	105.00	2.00	265
107.00	108.50			"	- Out of structure zone - Tr mariposite at top of interval	0.5% py	61774	105.00	107.00	2.00	120
108.50	110.00			"	- Same - competent.	0.5% py	61775	107.00	108.50	1.50	15
110.00	112.00			"	- Same - Sulf extremely fine in stringers and diss - Tr mariposite - strong bleached	0.5% py	61776	108.50	110.00	1.50	30
								110.00	112.00	2.00	60

\* Out of sequence



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HOLE NO. C-89-6

FOOTAGE From To	LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM				
						From	To	Length	A <sub>11</sub> ppb	A <sub>12</sub> g/t
112.00	114.00	Tuff	- Minor Hem stain - 20.5% mariposite - Very competent - Occasional Stringers of gtz/calc	10% py	61777	112.00	114.00	2.00	40	8.1E
114.00	115.00	"	- All sulf is extremely f.g.r. - Stib easily identifiable but aspy is not - Only a Tr mariposite	10% Tr aspy 25% stib	61778	114.00	115.00	1.00	155	
115.00	116.00	"	- Tr mariposite - less bleaching - Minor hematite in gtz veinlets - Occasional veinlets	0.5% py Tr stib	61779	115.00	116.00	1.00	660	
116.00	118.00	"	- Much less stib (only the odd lath here and there) - Tr mariposite - more bleached	10% py	61780	116.00	118.00	2.00		1.16
118.00	119.00	"	- Start to run into small structures @ 0-10° to C.A which have a very high content of sulf	4% py 0.5% stib	61782*	118.00	119.00	1.00		2.08
119.00	120.00	"	- Same - May contain aspy but sulf is too fine to tell - Clay alt - Mod flood	5% py 0.5% stib	61783	119.00	120.00	1.00		3.97
120.00	121.00	"	- Same	3% py 0.5% stib	61784	120.00	121.00	1.00		15.47
121.00	122.00	"	- Contains up to 15% sulf but so f.g.r. hard to tell which type - Intense gtz/calc flood	10% py 3% stib 2% aspy	61785	121.00	122.00	1.00		13.13
122.00	123.50	"	- 0.5% mariposite - Bleached - Competent - Sulf still very f.g.r.	1% stib 4% py	61786	122.00	123.50	1.50		3.04
123.50	124.50	"	- Lots of sulf + flood - Fol @ 20° to C.A - Minor Hem stain	4% py 1 stib	61787	123.50	124.50	1.00		3.21
124.50	126.00	"	- Same but much less sulf - Minor amt of bleed (gtz/calc)	1% py	61788	124.50	126.00	1.50	60	
126.00	127.50	"	- Minor hem - lots of mariposite - Not much sulf - Mod competent	2% py Tr stib	61789	126.00	127.50	1.50	65	

\* Out of sequence

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HOLE NO. C-89-6

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	Au ppb	Ag g/t	
127.50	129.00		Tuff	Lots of flooding w/ qtz veining - 11 to C.A. - Bulky broken up - Tr mariposite	3 py Tr stib	61790	127.50	129.00	1.50			1.80
129.00	130.00		"	- Same - Very badly broken up Tr mariposite - Clay alt	3 py Tr stib	61791	129.00	130.00	1.00	725		
130.00	131.00		"	- Competent rock - Stib up to 1.5 mm long - Very sparkly appearance from stib - 0.5% mariposite	2 stib 2 py	61792	130.00	131.00	1.00			1.01
131.00	132.00		"	- Still lots of stib - Tr mariposite - Very competent rock	2 stib 3 py	61793	131.00	132.00	1.00			2.09
132.00	137.50		"	Minor Ep: Late (one spot) - Much more homogeneous	Tr stib 1.5 py	61794	132.00	133.50	1.50	495		
133.50	135.50		"	2% mariposite - Strong bleach - Similar to above interval - Competent - No more stib -	1.5 py Tr 4 py?	61795	133.50	135.50	2.00	30		
135.50	137.50		"	- Strongly bleached - Much the same as above	1.5% py Tr aspy	61796	135.50	137.50	2.00	20		
137.50	139.50		"	- Same. Fol @ 30° to C.A. - Mod qtz floc (no calc) -	1.5% py Tr aspy	61797	137.50	139.50	2.00	125		
139.50	140.50		"	Same as above	1.5% py	61798	139.50	140.50	1.00	235		
140.50	142.50		" Qtz Vein	- Includes a 50 cm qtz vein @ 10° to C.A. - Minor mariposite - Clay alt in wall rock	0.5% py	61799	140.50	142.50	2.00			3.01
142.50	143.50		"	- Same but no strong fol - More broken up - Stib nite again -	0.5% py	61800	142.50	143.50	1.00	70		
143.50	144.50		"	Same but no strong fol - More broken up - Stib nite is very strong over 20 cm area	Tr stib 0.5% py	61801	143.50	144.50	1.00	35		

FOOTAGE From To	LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%/Sulfide	SAMPLE No.	ASSAY / GEOCHEM				
						From	To	Length	A4 PP6	A4 g/t
144.50	145.50	Tuff	- Same	Tr stib 100% py	61802	144.50	145.50	1.00	85	97
145.50	147.50	"	- Appearance dominated by tiny criss-crossing, black, horsehair stringers - Tr mariposite	Tr py	61803	145.50	147.50	2.00	35	
147.50	149.50	"	- Same	0.5% py	61804	147.50	149.50	2.00	20	
149.50	152.30	"	- Same again - Very competent - Very minor amount of flooding	Tr py	63234	149.50	151.00	1.50	45	
					63235	151.00	152.30	1.30	20	
152.30	153.50	Quartz Vein	- Although vein is 1.20 m long, it is near 11 to C.A. - True width = 10cm - 20% plug -	Tr As py	61805	152.30	153.50	1.20		2.01
153.50	154.50	Tuff	- Near vein is lg mass of v.f. gr. subvolcanic? - grades back into normal wall rock.	1% As 10% py	61806	153.50	154.50	1.00		1.46
154.50	157.00	"	- Same as above the Quartz vein	Tr py	63236	154.50	155.75	1.25	20	
					63237	155.75	157.00	1.25	130	
157.00	158.50	"	- Becomes heavily qtz flooded (almost no carb in rock) - 2% mariposite	0.5% py	61807	157.00	158.50	1.50	760	
158.50	159.50	"	- Gradually grading into a siltstone - One 30cm zone of strong stib	0.5% py 1% stib	61808	158.50	159.50	1.00	350	
					63238	159.50	161.00	1.50	5	
159.50	165.00	Siltstone	- No true cont (gradational) - Bed = 80' to C.A. (200' to C.A. lower down) -	Tr py	63239	161.00	163.00	2.00	5	
					63240	163.00	165.00	2.00	40	
165.00	167.00	Coarse Grained Basalt	- Strongly silicified and qtz flooded - Competent - Minor amt of sil in qtz - Most sil in blebs + stringers	1% py	61809	165.00	167.00	2.00	20	
167.00	168.50	"	- Even more silicified and flooded - Occasional blebs of epidote	1.5% py	61810	167.00	168.50	1.50	35	

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM				
From	To						From	To	Length	# PPG	# Z/F
168.50	170.00		Coarse Grained Basalt	- Same as last interval - Minor Epidote - strong silic + flood - Very competent	1.0%	61811	168.50	170.00	1.50	15	
170.00	171.20		"	- Same - Minor Hem in the flood - Bot cont @ 10" to C.A.	1.0%	61812	170.00	171.20	1.20	20	
171.20	172.60		Fine Grained Basalt	- V. f. gr. - Very homogeneous appearance - Sulf is very f. gr. dross + some blks. Dyke	0.5%	61813	171.20	172.60	1.40	10	
172.60	174.50		Coarse Grained Basalt	Back into same stuff as above the dyke - Strong silic - Occasional to rare epidote - Very competent	0.5%	61814	172.60	174.50	1.90	25	
174.50	177.50		"	- Same - Lots of Hem stain in the flood -	0.5%	63241	174.50	176.00	1.50	10	
						63242	176.00	177.50	1.50	20	
177.50	179.00		"	Start to get many 10-20 cm zones of siltstone @ 25 to 45" to C.A.	0.5%	61815	177.50	179.00	1.50	15	
179.00	181.00		"	- Still strongly silicified some old stuff - Minor epidote - Not much sulf	2.0%	61816	179.00	181.00	2.00	5	
181.00	184.00		"	- Gradually more and bigger intervals of siltstone - Siltst varies but are @ 40" to C.A.	0.5%	63243	181.00	182.50	1.50	5	
						63244	182.50	184.00	1.50	5	
184.00	186.00		Siltstone	- Now mostly siltst w/ small intervals of basalt - Bleached - Not silicified or silica flooded.	0.5%	61817	184.00	186.00	2.00		1.16
186.00	187.50		Coarse Grained Basalt	Inc in calc - Non silicified - strong flow texture - Competent	Tr	61818	186.00	187.50	1.50	110	
187.50	188.98		"	- Includes a 20 cm interval where per have been all to epidote - Slightly bleached in spots	Tr	61819	187.50	188.98	1.48	105	
				EOH at 188.98 m.							

E & B EXPLORATIONS INC. PROPERTY: *Cariboo* PAGE *1* OF *10* HOLE NO: *C-89-7*

PROJECT NO: *8120* LOGGED BY: *SR* DATE: DEPTH: *212.72*

TOWNSHIP: SURVEYED BY: DATE: DATE COLLARED: *Aug 13/89*

RANGE: SEC: CONTRACTOR: *J.T. Thomas* DATE COMPLETED: *Aug 17/89*

COLLAR :				CASING LEFT IN HOLE: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CORE SIZE	DEPTH	HOLE CHARACTERISTICS		
CHAINED	SURVEYED	ESTIMATED <input checked="" type="checkbox"/>	GROUND				DRILL DECK	TOP OF CASING	CAVING
LENGTH					<i>NR</i>				
ELEVATION	<i>3675 ft</i>								
HOLE COORDINATES	<i>3+25 N</i>	<i>N.</i>	<i>N.</i>	<i>N.</i>					
	<i>L 57 E</i>	<i>E.</i>	<i>E.</i>	<i>E.</i>					

HOLE SURVEY: <i>Sperdy Sun</i>					EQUIPMENT TYPES USED, & EQUIPMENT LEFT IN HOLE:				
DEPTH	<i>30</i>	<i>91</i>	<i>152</i>	<i>0</i>	<i>Acker</i>				
DIP	<i>-43</i>	<i>-42</i>	<i>-43</i>	<i>-45°</i>	<i>Elevation by altimeter</i>				
MAG. BEARING									
GRID. BEARING									
TRUE BEARING		<i>180</i>	<i>185</i>	<i>180°</i>					
INSTRUMENT									

HOLE SUMMARY / COMMENTS: *This hole was drilled under a soil Au anomaly. Felsic dykes were intersected in the hole and the surrounding rocks were very altered (bleached)*

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HOLE NO. C-89-7

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To							From	To	Length	Au ppg		
0	12.19			Overburden	- No return	-							
12.19	19.50			Tuff	- Strongly bleached - Very badly broken up - Rust stain along trace - Approx 50% return - Some sandy seams	Tr							
19.50	21.50			"	- Same as above but contains a few qtz veins @ 80° to C.A. -	Tr	61820	19.50	21.50	2.00		35	
21.50	23.50			"	- Same but much more silica flood - Silicified but still broken up - Hem stain	Tr	61821	21.50	23.50	2.00		5	
23.50	26.50			"	- Still silicified and bleached - Hem stain rare - Minor Ankerite w/ qtz - Flood has almost no calc	Tr	63245	23.50	25.00	1.50		30	
							63246	25.00	26.50	1.50		10	
26.50	28.00			"	- Minor malpaisite - More competent - 100% return - Flood along (relict bdy??) @ 65° to C.A. -	Tr	61822	26.50	28.00	1.50		80	
28.00	29.50			"	- Mod brecciated and covered w/ chl stringers - Mod competent - Minor Ankerite -	1.5% Tr	61823	28.00	29.50	1.50		30	
29.50	31.00			"	- Same as above but <del>it</del> is more in blebs than fine d.iss	1.5% Tr	61824	29.50	31.00	1.50		190	
31.00	33.00			"	- Same - less sulf	0.5% Tr	61825	31.00	33.00	2.00		85	
33.00	35.25			"	- Same again - less intensely brecciated - Minor feldspar flood -	Tr	63247	33.00	35.25	2.25		10	
35.25	37.00			"	- Tr w/ v.f. gr. diss. malpaisite - Flds + qtz flood - Silicified -	Tr	61826	35.25	37.00	1.75		15	
37.00	38.40			"	- Same		63248	37.00	38.40	1.40		5	

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM					
From	To						From	To	Length	Au PP6		
38.40	39.15		Fine Grained Basalt Dyke	Cont @ 45° to C.A. - minor epidote alt - Not much sulf - Mos Competent	Tr	61827	38.40	39.15	0.75	5		
39.15	41.00		Tuff	- Back to same as above dyke but very intense bleed and silic - No calc	Tr	61828	39.15	41.00	1.85	10		
41.00	43.00		"	Lot of brecciation + flood - Tr M. ciposita - V. f. gr. diss sulf - Very competent - Silic	1.0 Tr	61829	41.00	43.00	2.00	10		
43.00	45.00		"	- Very intense fld + gte bleed + bleach but very little sulf -	Tr py	61830	43.00	45.00	2.00	5		
45.00	47.00		"	- Same	Tr	61831	45.00	47.00	2.00	20		
47.00	49.00		"	- Same again but more of a brecciated texture - Competent	Tr	61832	47.00	49.00	2.00	15		
49.00	50.50		"	- Has a 20cm dyke (felsic) at the top w/ sulf blebs + stringers -	1.0% py	61833	49.00	50.50	1.50	15		
50.50	52.30		"	- Start to get some layers of blk carboniferous arg - stringers @ 50-70° to C.A. - Bdy @ 40° to C.A.	Tr	61834	50.50	52.30	1.80	35		
52.30	55.00		Plag - Hbl'd Porphyry Dyke	- Coarse grained (phenos up to 4mm) phenos of plag + hbl'd (5%) + mica (1%) in a very fine gr. plag groundmass	Tr	63249 63250	52.30 54.00	54.00 55.50	1.7 1.5	10 25		
55.00	58.00		"	- Top cont @ 50° to C.A. - Very competent - Not much gte - Quite fresh + unalt	Tr	63251 63252	55.50 57.00	57.00 58.50	1.5 1.5	20 35		
58.00	60.10		"	- Quite homogeneous from one spot to another - Pot wnt @ 50° to C.A.	- Tr	63253	58.50	60.10	1.6	10		
60.10	61.75		Tuff	waterlain dust tuff - Bdy varies but are 45° to C.A. - Pot py bound together in lg. blebs	1.0 py 0.5 py	61835	60.10	61.75	1.65	515		

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HOLE NO. C-89-7

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	Au ppb		
61.75	63.50		Tuff	- Same as last interval but less sulf. Bot cont @ 25° to C.A.	0.5 Py	61836	61.75	63.50	1.75	25		
63.50	64.55		Plag-Hbl Porphyry Dyke	- Same as above dyke but more broken up.		63254	63.50	64.55	1.05	50		
64.55	66.50		Tuff	- Top cont not observed varies from tuff to arg.		61837	64.55	66.50	1.95	55		
66.50	68.70		"	- Same as above - Bot cont @ 60° to C.A. - Lots of chl dt.	1.0% Py	61838	66.50	68.70	2.20	15		
68.70	71.00		Plag-Hbl Porphyry Dyke	- Same as the above in intrusive occasional fine gr dykes of same comp @ 60° to C.A. indicating multiple dyking events.		63255	68.70	70.50	1.80	20		
71.00	75.00		"			63256	70.50	72.00	1.50	15		
						63257	72.00	73.50	1.50	10		
75.00	78.50		"			63258	73.50	75.00	1.50	10		
						63259	75.00	76.50	1.50	10		
78.50	80.00		Tuff			63260	76.50	78.50	2.00	15		
						61839	78.50	80.00	1.50	10		
80.00	81.50		"	- Same - competent - Full veins but are @ 55° to C.A.	0.5 Py	61840	80.00	81.50	1.50	10		
81.50	83.00		"	- Strongly silic - more mariposite - Possibly a Tr of u.f. gr. aspy -	0.5 Py T <sub>ess</sub> ?	61841	81.50	83.00	1.50	680		
83.00	84.50		"	- Very strongly blooded - Only silicified in spots - Mariposite		61842	83.00	84.50	1.50	45		
84.50	86.50		"	- Becomes much less blooded but strongly silicified - Py much more common in blebs and stringers	1.5 Py	61843	84.50	86.50	2.00	45		



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HOLE NO. C-89-7

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	As ppb
86.50	88.50		Tuff	- Very similar to above - Very hard and competent - some epidote present	1.5% py	61844	86.50	88.50	2.00	10
88.50	90.00		"	- More strongly flooded due to brecciation - Tr epidote	0.5% py	61845	88.50	90.00	1.50	<5
90.00	91.50		"	- Same - start to get some po showing up in bldgs - Extremely silicified and competent	0.5% py Trpo	61846	90.00	91.50	1.50	<5
91.50	93.50		"	- Bdg becomes much more clearly defined as you go down hole - It varies 45-60° to C.A. - Very	0.5 py	61847	91.50	93.50	2.00	<5
93.50	95.50		"	Strongly silicified - Soft sed defm evident - lots of fields flood.	0.5 py	61848	93.50	95.50	2.00	<5
95.50	97.00		"	- Rock has obviously been cooked (hornfelsing) - Bdg very defined @ 60° to C.A. - Red colour	Tr	61849	95.50	97.00	1.50	<5
97.00	99.00		"	from horn stone - Silicified - competent - soft sed defm - (roiled bdy well developed.	Tr	61850	97.00	99.00	2.00	5
99.00	101.00		"	- Same	0.5 py	61851	99.00	101.00	2.00	<5
101.00	103.00		"	- Specimen more broken up towards bot w/ more fields flood - some clay etc	0.5 py	61852	101.00	103.00	2.00	<5
103.00	105.00		"	- lots of etc/flds flood w/ 4 veinlets (all just over 1cm) @ 20-65° to C.A. -	0.5 py	61853	103.00	105.00	2.00	40
105.00	107.00		"	- Start to get alot of chl stringers - Continued Hornfelsing -	0.5 py	61854	105.00	107.00	2.00	<5
107.00	108.25		"	Same	0.5 py	61855	107.00	108.25	1.25	<5

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HOLE NO. C-89-7

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	% Sulfide	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au ppb
108.25	109.25		Tuff Qtz Vein	Includes a 7cm Qtz vein @ 55° to C.A. - Small Tr of stib in wall rock above vein - Tr Mariposite	Tr stib 1% py	61856	108.25	109.25	1.00	15
109.25	110.45		"	Same stuff as above the last interval - competent	Tr	61857	109.25	110.45	1.20	< 5
110.45	111.50		"	Includes a 50cm vein @ 30° to C.A. whose orig text was unidentifiable 20% Epidote - lots of chl stringers + blebs	1% py	61858	110.45	111.50	1.05	< 5
111.50	113.00		"	Tuff is very competent w/ lots of flood - Bdy varies -	0.5% py	61859	111.50	113.00	1.50	< 5
113.00	115.00		"	Strongly floccled - Becoming very broken up -	Tr	61860	113.00	115.00	2.00	25
115.00	117.50		"	- Same	Tr	63261 63262	115.00 116.25	116.25 117.50	1.25 1.25	20 5
117.50	118.50		Phy Porphyry Dyke	- Fine gr. dyke - Quite homo in nature - Top cont not seen - Bot @ 65° to C.A. - Very fresh	-	63263	117.50	118.50	1.00	10
118.50	120.50		Tuff	- Back into strongly bleached tuff inundated w/ chl stringers - Not silicified - Mod competent	Tr	63264	118.50	120.50	2.00	10
120.50	122.50		"	- Lots of flds bleed and clay alt along face -	Tr	61861	120.50	122.50	2.00	5
122.50	124.50		"	- Same w/ minor qtz flood towards bottom	Tr	61862	122.50	124.50	2.00	< 5
124.50	126.00		"	Lots of qtz flood assoc w/ v.f. gr. dissuff including Stib ± Aspy -	Tr stib 0.5% py Tr Aspy!	61863	124.50	126.00	1.50	115
126.00	129.00		"	- No more qtz flood - Start to get small patches of f. gr. basalt - Broken up	Tr	63265 63266	126.00 127.50	127.50 129.00	1.50 1.50	25 10

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HOLE NO. C-89-7

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	Au ppb		
155.50	157.50		Fine Grained Basalt	- Starts to get lots of blebs of epidote	Tr	61873	155.50	157.50	2.00	5		
157.50	159.00		"	- quite a bit of epidote - Qtz flood-	Tr	61874	157.50	159.00	1.50	5		
159.00	161.00		"	- Very strong bls flood - Tr mariposite.	0.5 Py	61875	159.00	161.00	2.00	5		
161.00	163.00		"	- Same	Tr	63272	161.00	163.00	2.00	5		
163.00	165.00		"	- Very difficult to distinguish orig rock - Very broken - lots of Qtz flood - lots of chl stringers	1.0 Py	61876 63273	163.00	165.00	2.00	20		
165.00	170.50		"	- Same as above only more competent - Mariposite not abundant but found throughout	Tr	63274 63275	165.00	167.00	2.00	5		
167.00	169.00		"	- Same as above only more competent - Mariposite not abundant but found throughout	Tr	63274 63275	167.00	169.00	2.00	10		
169.00	170.50		"	- Lots of Qtz/felds stringers and veins of various orientation - Mariposite - Strong bleach	Tr	61877	169.00	170.50	1.50	15		
170.50	172.50		"	- Change to tuff was very long and gradual - Blebs of epidote & marip-	0.5 Py	61878	170.50	172.50	2.00	45		
172.50	174.00		Tuff	- Same	Tr	61879	172.50	174.00	1.50	45		
174.00	176.00		"	- Same	Tr	61879	174.00	176.00	2.00	45		
176.00	177.50		"	- Extremely broken up - Gauge - structure which is $\approx$ 11 to C.A. - Marip-	1.0 Py	61880	176.00	177.50	1.50	10		
177.50	179.00		"	- Same as above - 60% return - Minor gauge -	0.5 Py	61881	177.50	179.00	1.50	5		
179.00	181.00		"	- Drillers report rods dropping 2ft here - 75% return - more competent - Very felds flooded -	Tr	61882	179.00	181.00	2.00	45		

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HOLE NO. C-89-7

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM			
From	To							Sulfide	No.	From	To
181.00	185.00			Tuff	- Same - Quite competent - Stringers are mostly bell-shaped - Most stringers 20-40° to C.A.		63276	181.00	183.00	2.00	45
				"	- Same -		63277	183.00	185.00	2.00	5
185.00	187.00			"			61883	185.00	187.00	2.00	10
				"	- Still very bleached w/ moderate amt of flood - Some diss morph - Mod competent		63278	187.00	189.00	2.00	5
187.00	190.50			"			63279	189.00	190.50	1.50	5
				"	- Very badly broken - appears to be a small structure zone - Most well in stringer + blebs	0.5	61884	190.50	192.00	1.50	5
190.50	192.00			"							
				"	- Very strongly bleached - Includes 2cm py vein @ 25° to C.A. - 1% mariposite	0.5	61885	192.00	194.00	2.00	45
192.00	194.00			"							
				"	Very broken towards bot - Major chl alt - minor Hem in Qtz - Tr mariposite		61886	194.00	195.50	1.50	45
194.00	195.50			"							
				"	- Same		61887	195.50	197.50	2.00	45
195.50	197.50			"			63280	197.50	199.00	1.50	5
				"	Same again - Still strongly bleached w/ lots of chl and mod amt of flood. - Mod competent		63281	199.00	200.50	1.50	10
197.50	202.00			"			63282	200.50	202.00	1.50	5
				"	- Very strong fields flood - Tr mariposite - lots of chl		61888	202.00	204.00	2.00	10
202.00	204.00			"							
				"	- Same as above - bot near 11 to C.A. - Some minor ankerite		61889	204.00	206.00	2.00	45
204.00	206.00			"							
				"	- Some very dark hem stain + more silica flood -		61890	206.00	207.50	1.50	45
206.00	207.50			"							
				"	- Has some layers of barite (quite unalt) in it -		61891	207.50	209.50	2.00	5
207.50	209.50			"							



E & B EXPLORATIONS INC.      PROPERTY: *Cariboo*      PAGE 1 OF 2      HOLE NO: *C-89-8*

PROJECT NO: *8120*      LOGGED BY: *SR*      DATE:      DEPTH: *155.45m*  
 TOWNSHIP:      SURVEYED BY:      DATE:      DATE COLLARED: *Aug 17*  
 RANGE:      SEC:      CONTRACTOR: *JT Thomas*      DATE COMPLETED: *Aug 20*

COLLAR :				CASING LEFT IN HOLE: YES ___ NO <input checked="" type="checkbox"/>	CORE SIZE	DEPTH	HOLE CHARACTERISTICS		
CHAINED	SURVEYED	ESTIMATED <input checked="" type="checkbox"/>	TOP OF CASING				CAVING	LOST CIRCULATION	WATER POINTS
GROUND	DRILL DECK				<i>NQ</i>				
LENGTH									
ELEVATION	<i>3740 ft</i>								
HOLE COORDINATES	<i>4 + 25 N</i>	<i>N.</i>	<i>N.</i>	<i>N.</i>					
	<i>257E</i>	<i>E.</i>	<i>E.</i>	<i>E.</i>					

HOLE SURVEY: <i>S Perry Sun</i>					EQUIPMENT TYPES USED, & EQUIPMENT LEFT IN HOLE:				
DEPTH	<i>30</i>	<i>91</i>	<i>152</i>	<i>0</i>					
DIP	<i>-46.5</i>	<i>-47.5</i>	<i>-48.5</i>	<i>-45°</i>					
MAG. BEARING									
GRID. BEARING									
TRUE BEARING	<i>174</i>	<i>175</i>	<i>177</i>	<i>180°</i>					
INSTRUMENT									

*Acker*  
*Elevation by altimeter*

HOLE SUMMARY / COMMENTS: *This hole was drilled to determine the extent of the alteration seen in hole C-89-7. Unfortunately the alteration (bleaching) was seen in patches all the way throughout the hole.*

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HOLE NO. C-89-8

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM					
From	To							From	To	Length	Au ppb		
0	18.29			Overburden	- No Return	-							
18.29	21.00			Siltstone	- Slightly alt w/ some hairlike stringers of chl and qtz calc - Weakly silicified - Limonite on frac	Tr	63285	18.29	21.00	2.71	5		
21.00	22.50			"	- Some bleaching in this interval - Minor qtz flood - Mod competent	0.5 Py	61893	21.00	22.50	1.50	175		
22.50	23.40			"	- Very little bleaching now - Still minor qtz flood + silic - 80° to C.A.	Tr Py	63286	22.50	23.40	0.90	5		
23.40	24.10			Basalt	- Small flow - C. gr. w/ large ppx phenos - Calc flood - Quite competent	1.0 Py	63287	23.40	24.10	0.70	5		
24.10	26.00			Siltstone	- Weakly silicified in spots - 50 cm of rock missing @ 25.30 where rods were stuck -	1.0 Py	61894	24.10	26.00	1.90	5		
26.00	29.00			"	- Same as above - Small intervals of basalt flow occasionally (60° to C.A.) - Mod competent	0.5 Py	63288	26.00	27.50	1.50	5		
29.00	30.50			"	- Silicified - Very competent - sulf is mostly v. f. gr. diss - Has been brecciated	1.0 Py	63289	27.50	29.00	1.50	5		
30.50	32.50			"	- Same	1.0 Py	61895	29.00	30.50	1.50	45		
32.50	34.00			"	- Has a 40 cm zone which is strongly bleached and has more sulf - Still site -	1.0 Py	61896	30.50	32.50	2.00	45		
34.00	36.00			"	- Much of sulf in blebs + stringers - Same as above but less bleaching	1.0 Py	61897	32.50	34.00	1.50	10		
36.00	37.50			"	- Has strong hem stain + malposite + epidote + qtz flood + bleaching - Fol @ 45° to C.A.	1.0 Py	61898	34.00	36.00	2.00	45		
				"			61899	36.00	37.50	1.50	45		

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HOLE NO. C-89-8

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM				
From	To						From	To	Length	Au pp6	
37.50	41.00		"	- same as above but not near as altered - Black arg content gets higher and higher as you move down	1.0 P	63290	37.50	39.00	1.50	10	
						63291	39.00	41.00	2.00	35	
41.00	43.00		Black Argillite	- Some of sulf is 1g blebs and stringers assoc w/ qtz stringers but most is cubes of syncretic py	2.0 P	61900	41.00	43.00	2.00	35	
43.00	45.50		Siltstone	- Becomes siltier again and hdg shows up @ 60° to C.A. - Not siliceous -	0.5 P	63292	43.00	44.25	1.25	10	
						63293	44.25	45.50	1.25	10	
45.50	47.50		"	- same as above but has some very weak horn felling -	1.0 P	61901	45.50	47.50	2.00	5	
47.50	49.00		"	- same but much less sulf - becoming slightly siliceous -	Tr	63294	47.50	49.00	1.50	25	
49.00	51.50		"	- slight bleaching - Tr Mariposite - Minor Hem stain - Very competent -	0.5 P	61902	49.00	51.50	1.50	5	
51.50	53.50		"	- Includes 50 cm basalt flow @ 50° to C.A. - Very competent -	0.5 P	63295	51.50	53.50	2.00	25	
53.50	55.10		"	- silicified and flooded - Not cont @ 50° to C.A. -	0.5 P	61903	53.50	55.10	1.60	25	
55.10	57.00		Basalt	- fine grained basalt - high calc content - Very hard except for occasional stringers w/ high sulf content	1.0 P	61904	55.10	57.00	1.90	25	
57.00	59.75		"	- same as above - Occasional layers of siltstone - Not cont @ 10° to C.A. -	1.0 P	63296	57.00	58.50	1.50	25	
						63297	58.50	59.75	1.25	25	
59.75	61.00		Siltstone	hdg varies but are 70° to C.A. - mod bleaching - Siliceous - mod broken up	Tr	61905	59.75	61.00	1.25	25	
61.00	62.20		"	- same but very intense bleed - Fol 10° to C.A. - Tr mariposite - Not cont @ 15° to C.A. -	Tr	61906	61.00	62.20	1.20	25	



FOOTAGE From To	LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
						From	To	Length	Au ppb
62.20	63.30	Basalt	- Fairly coarse grained - Top 20cm quite old but rest is relatively fresh	Tr	63298	62.20	63.80	1.60	10
					63299	63.80	65.00	1.20	45
63.80	68.40	Siltstone	Mod bleaching - Bdy are 5° to C.A. - Occasional interval of mudst	Tr	63300	65.00	66.50	1.50	45
					63301	66.50	68.40	1.90	45
68.40	70.00	"	- Strong (bed) qtz flood - Fol @ 10° to C.A.	Tr	61907	68.40	70.00	1.60	45
70.00	71.50	"	- Same but much less flood - minor hornfelsing	Tr	61908	70.00	71.50	1.50	45
71.50	74.50	"	- Bleached in spots - lots of hairline chl stringers -	Tr	63302	71.50	73.00	1.50	10
					63303	73.00	74.50	1.50	10
74.50	76.00	"	Some weak hornfels - Much of py may be syngenetic.	0.5 Py	61909	74.50	76.00	1.50	45
					63304	76.00	78.00	2.00	10
76.00	82.00	"	- Weakly silic in spots but relatively unaltd - Mod broken up - Some small intervals of basalt	Tr	63305	78.00	80.00	2.00	10
					63306	80.00	82.00	2.00	5
82.00	84.00	"	Some weak hornfels - Includes 1.5 cm vein of py @ 5° to C.A. Tr mariposite	0.5 Py	61910	82.00	84.00	2.00	5
84.00	85.50	"	- Includes some very lg blebs of po - 50% basalt/50% siltst - Tr mariposite -	1.0 Py Tr po	61911	84.00	85.50	1.50	10
85.50	87.00	"	- Same	Tr	61912	85.50	87.00	1.50	45
87.00	91.45	Fine grained Basalt	Top cont @ 25° to C.A. - Homogeneous in appearance - Minor calc content - Quite fresh	Tr	63307	87.00	89.25	2.25	10
					63308	89.25	91.45	2.20	10
91.45	93.00	Siltstone	- Top cont @ 20° to C.A. - silicified - Hornfels -	Tr	61913	91.45	93.00	1.55	45

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	Au ppb		
93.00	94.50		Siltstone	- Bleached and silicified - Lots of vuggy quartz - Relict hgt = 45% C.A. - Very small structure @ 25° to C.A.	Tr	61914	93.00	94.50	1.50	25		
94.50	96.50		"	- Strongly bleached - Very competent - Silicified - Hairline chert stringers	Tr	61915	94.50	96.50	2.00	25		
96.50	98.50		"	- Same	Tr	61916	96.50	98.50	2.00	25		
98.50	100.50		"	- Actually about 1/2 basal flow - St. 11 silic + bleached - v.p. gr diss sulf.	Tr	63309	98.50	100.50	2.00	10		
100.50	102.50		"	- Becomes more strongly bleached - much more sulf - minor ep. date - Tr marip -	1.5% Tr. ps	61917	100.50	102.50	2.00	25		
102.50	104.00		"	Very strong qtz flood + silic - Includes a 12 cm qtz vein @ 25° to C.A. Very competent - Tr mariposite	Tr	61918	102.50	104.00	1.50	10		
104.00	105.50		"	- Same as above but less intense -	0.5 P	61919	104.00	105.50	1.50	50		
105.50	107.00		"	- Weak sil in spots @ 60° to C.A. - Sulf assoc w/ qtz flood - sulf mostly in blebs.	Tr	61920	105.50	107.00	1.50	25		
107.00	109.00		Basalt	- definite flow texture - Contacts @ 15° to C.A. - Varies from fine to coarse grained - Non silic - fresh	Tr	63310	107.00	109.00	2.00	10		
109.00	110.50		"	- Becomes bleached - Broken up towards bottom -	Tr	61921	109.00	110.50	1.50	5		
110.50	112.00		"	- Strong qtz flood w/ weak veining @ 11 to C.A. - 0.5% marip in spots - Minor hem -	Tr	61922	110.50	112.00	1.50	20		
112.00	114.50		"	- Less alt - interbedded siltstone - Both coarse + fine gr basalt - quite fresh	Tr	63311	112.00	114.50	2.50	10		

FOOTAGE From To	LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE Sulfide No.	ASSAY / GEOCHEM				
						From	To	Length	Au ppb	Au g/t
114.50	116.50	Siltstone	-Cent @ 40° to C.A. - Bleached and silicified - Some minor flood - Competent	Tr	61923	114.50	116.50	2.00	45	
116.50	118.00	"	- Same	Tr	63312	116.50	118.00	1.50	15	
118.00	120.00	"	- Some qtz veinal @ 20° to C.A. - minor epidote in assoc w/ hem stain -	Tr	61924	118.00	120.00	2.00	45	
120.00	122.00	"	- Weak hornfelsing - silic - very competent - chl stringers - minor epidote -	Tr	61925	120.00	122.00	2.00	45	
122.00	123.50	"	- Same -	Tr	61926	122.00	123.50	1.50	5	
123.50	125.00	"	- Includes a len epidote vein @ 55° to C.A. - strong assoc epidote / hem stain - Tr sph + sulf in stringers + vchls	0.5 Tr	61927 63313	123.50	125.00	1.50	45	
125.00	129.00	"	- Bleached w/ chl stringers - lvs of qtz / felds stringers - Competent - Non silic -	Tr	63314 63315	126.50	127.50	1.00	25	
129.00	130.50	"	- Heavy qtz flood in spots - sulf (including stib) assoc w/ flood - Tr mariposite	0.5% Tr stib	61928	129.00	130.50	1.50		1.19
130.50	132.00	"	- 0.5% mariposite in spots - strong bleach - Fol @ 55° to C.A. - minor hem -	Tr	61929	130.50	132.00	1.50	45	
132.00	134.00	"	- Same as above but much less alt and flood - w/ mariposite -	Tr	61930 63316	132.00	134.00	2.00	45	
134.00	139.00	"	- start to get the odd layer of basalt - Some calc in w/ qtz - mod competent - quite fresh	Tr	63317 63318	135.50	137.00	1.50	10	
139.00	141.00	"	Some minor qtz scale flood w/ assoc sulf + epidote - silicified	Tr	61931	139.00	141.00	2.00	45	

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	Au ppb		
141.00	143.00		Siltstone	- Mod bleached - competent - Non silic - Lots of qtz/felds stringers -	0.5 py	61932	141.00	143.00	2.00	5		
143.00	144.50		" Structure zone	- Becomes very bleached and flooded - Main fol @ 0-20° to C.A. - Some Gouge	Tr	61933	143.00	144.50	1.50	30		
144.50	146.50		" "	- Same as above - Tr m. i. posite - Very broken up w gouge in spots - blebs of sulf	Tr	61934	144.50	146.50	2.00	LS		
146.50	148.00		" "	- Gradually more competent as you go down hole - f. l. d. + qtz flood - bleached -	Tr	61935	146.50	148.00	1.50	5		
148.00	148.90		Silica flood zone	- Very strongly qtz flooded - v. f. gr. sulf - Occasional speck of white sulf (aspy??) - Very strong fol // dyke	1.5 py Tr	61936	148.00	148.90	0.90	5		
148.90	150.25		Andesite Dyke	Very f. gr. - A few qtz/calc blebs + stringers - Quite fresh -	0.5 py	61937	148.90	150.25	1.35	10		
150.25	151.35		Siltstone silica flood zone	- Back into same as above the dyke - qtz/calc flood is stronger	1.0 py	61938	150.25	151.35	1.10	LS		
151.35	151.90		Andesite Dyke	- Same as above dyke.	0.5 py	63319	151.35	151.90	0.55	10		
151.90	153.50		Siltstone	- Bdz very clear - Strong flood for top 20cm - hornfelsing - Bdz @ 5-10° to C.A. - competent	2.0 py	61939	151.90	153.50	1.60	5		
153.50	155.45		"	- Gradually grades back into soft bleached siltst w hairline chl stringers - One 2cm qtz vein @ 20° to C.A.	Tr	63320	153.50	155.45	1.95	LS		
				EOH @ 155.45 m.								



FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	% Sulfide	SAMPLE No.	ASSAY / GEOCHEM					
From	To							From	To	Length	ppb Au		
0	22.86			Overburden	- No return								
22.86	25.50			Siltstone	- Very broken up - No cont observed - Bdg @ 60° to C.A. - Tr mariposite - Some qtz flood	0.5 Pz	63321	22.86	25.50	2.64	10		
25.50	27.50			Basalt	- Orig text can not be seen because of intense bleed - - Minor Epidote (Hemstain) in qtz flood - Minor mod of calc occasionally	1.0 Pz	61940	25.50	27.50	2.00	5		
27.50	29.00			"	- many blbs of chl - quite competent	1.0 Pz	61941	27.50	29.00	1.50	10		
29.00	31.00			"	- Orig rock was coarse grained flow - Flood is mod and rather evenly distributed - Epidote (Tr)	Tr	61942	29.00	31.00	2.00	5		
31.00	33.00			"	- Same as above	1.0 Pz	61943	31.00	33.00	2.00	5		
33.00	35.00			"	- Includes some stringers of qtz calc - Still qtz bled - Very competent	0.5 Pz	61944	33.00	35.00	2.00	10		
35.00	37.00			"	- Less qtz flood and more of a soft sandy apple green bleed (Lehrite???) Tr epidote - Minor carb	Tr	61945	35.00	37.00	2.00	5		
37.00	40.50			"	- Same as above	Tr	63322	37.00	39.00	2.00	LS		
							63323	39.00	40.50	1.50	LS		
40.50	42.50			"	- Back into same minor qtz bleed - Competent - Mod Epidote + chl blebs -	Tr	61946	40.50	42.50	2.00	5		
42.50	44.50			"	- Same qtz bleed is quite weak -	Tr	61947	42.50	44.50	2.00	5		
44.50	47.25			"	- Same as above but qtz bleed is even less common - Still has soft green bleed -	Tr	63324	44.50	45.50	1.00	5		
							63325	45.50	47.25	1.75	LS		



MASCOT GOLD MINES LIMITED

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HOLE NO. C-89-9

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	ppb		
73.50	75.00		Basalt	- Same as above interval - D. difficult to tell much about chip rock	0.5 P#	61957	73.50	75.00	1.50	5		
75.00	77.00		"	Includes 4cm wide qtz vein @ 10° to C.A. - other than that: the same	0.5 P#	61958	75.00	77.00	2.00	10		
77.00	79.00		"	- Same	0.5 P#	61959	77.00	79.00	2.00	10		
79.00	81.00		"	- Same once again - becomes less flooded and alt towards bot. - Very competent	Tr	61960	79.00	81.00	2.00	20		
81.00	84.00		"	- Qtz flood is very rare - Still has lg blk blebs of chl -	Tr	63332 63333	81.00 82.50	82.50 84.00	1.50 1.50	60 10		
84.00	86.00		"	- Includes a 12cm ribboned qtz vein @ 20° to C.A. -	Tr	61961	84.00	86.00	2.00	50		
86.00	88.00		"	- Mod amt of qtz flood -	0.5 P#	61962	86.00	88.00	2.00	70		
88.00	88.90		"	- Fine ls rained dyke - Very fresh and unalt - High calc content	-	63334	88.00	88.90	0.90	10		
88.90	90.50		" qtz Veins	Includes a 10cm and an 8cm qtz vein @ 30° to C.A. - Flooded in between veins	1.0 P#	61963	88.90	90.50	1.60	60		
90.50	93.50		"	- Fairly fresh basalt - Quite homogenous in appearance - High calc content	Tr	63335 63336	90.50 92.00	92.00 93.50	1.50 1.50	10 5		
93.50	95.50		"	- Same as above but has a little bit of qtz flood → more epidote and P# -	0.5 P#	61964	93.50	95.50	2.00	15		
95.50	100.00		"	- Same as above the last interval - Quite fresh - Competent - Occasional qtz/calc stringers	Tr	63337 63338	95.50 97.75	97.75 100.00	2.25 2.25	15 15		



MASCOT GOLD MINES LIMITED

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HOLE NO. C-89-9

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM				
From	To							From	To	Length	Ag ppb	
100.00	105.00			Basalt	- Same as above - Fine grained basalt flows - w/ occasional stringers + calc flood -	Tr	63339	100.00	102.00	2.00	10	
				"	- Same	Tr	63340	102.00	104.00	2.00	30	
105.00	107.00			"		Tr	63341	104.00	105.50	1.50	25	
				"		Tr	63342	105.50	107.00	1.50	25	
107.00	108.50			"	- Very fine gr. - Has a small amt of Qtz flood - v. fine. diss py near bot. -	20.5 py	61965	107.00	108.50	1.50	10	
108.50	110.50			"	- Same as above - chl content increases a great deal. - A little broken up	Tr	61966	108.50	110.50	2.00	15	
110.50	112.50			"	- Includes a 20cm zone of 5% py - Fol @ 45° to C.A. - minor Qtz flood	0.5 py	61967	110.50	112.50	2.00	60	
112.50	114.50			"	- Same	Tr	61968	112.50	114.50	2.00	20	
114.50	114.95			"	- Same again	Tr	63343	114.50	115.40	0.90	15	
114.95	115.40			Tuff	- Dust tuff - very fine gr. and very homogeneous - @ 75° to C.A.	Tr						
115.40	117.40			Basalt	- Weak to mod Qtz flood - quite a bit of chl -	Tr	61989	115.40	117.40	2.00	15	
117.40	117.80			Tuff	- Same as last interval of tuff	Tr						
117.80	119.50			Basalt	- Weak Qtz flood - Lg chl blebs in less alt rock - minor epidote	Tr	61970	117.80	119.50	1.70	10	
119.50	121.50			"	- Same as above	Tr	61971	119.50	121.50	2.00	10	

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM					
From	To						From	To	Length	Au ppm		
121.50	124.50		Basalt	- Same as above interval - Includes c. 0.75m v.f.g. basalt dyke @ 40° to C.A. - stringers of qtz/alk	Tr	63344	121.50	123.00	1.50	5		
						63345	123.00	124.50	1.50	25		
124.50	126.50		"	- Same w/ no dyke and more qtz flow - Has a few rust spots Tr epidote	Tr	61972	124.50	126.50	2.00	5		
				- Same			126.50	128.50	2.00	50		
126.50	128.50		"		Tr	61973	128.50	130.00	1.50	25		
						63346	130.00	131.50	1.50	15		
128.50	133.25		"	- Same - getting more of the f.g. basalt dykes which are fresher than the coarser grained flows.	Tr	63347	130.00	131.50	1.50	15		
						63348	131.50	133.25	2.75	25		
133.25	135.25		"	- Fine gr basalt - Tr epidote - sm. blebs py - some qtz/alk stringers	0.5 py	61974	133.25	135.25	2.00	5		
						63349	135.25	136.50	1.25	10		
135.25	140.00		"	- Same but mixed f.g. and c.g. - Minor bleed - quite competent - Very little sulf	Tr	63350	136.50	138.00	1.50	25		
						63351	138.00	140.00	2.00	10		
140.00	142.00		"	- Basaltic Flow - More flood + epidote + chit blebs - some blebs py assoc w/ flood.	Tr py Tr cp	61975	140.00	142.00	2.00	10		
				- Same as above			142.00	143.50	1.50	10		
142.00	147.50		"		Tr	61976	142.00	143.50	1.50	10		
147.50	149.80		"	- Becomes more flooded and bleached towards bot cont which is @ 35° to C.A	0.5 py	61977	143.50	144.80	1.30	10		
149.80	155.80		Play - Hbl'd Porphyry Dyke	- Groundmass is not as white as other occurrences of dyke - Play phenos have been sericitized	Tr	63352	144.80	145.80	2.00	10		
155.80	149.50		Basalt	- Footwall broken up but not very alt - Basalt is f.g. dyke - Very little sulf - 40cm slt @ bot	Tr	63353	145.80	147.50	1.70	10		
						63354	147.50	149.50	2.00	40		
151.50	151.50		"	Coarse gr. flow - Top cont @ 60° to CA - May actually be a coarse tube - Mod flood-	Tr py Tr cp	61978	149.50	151.50	2.00	10		

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To							From	To	Length	AN ppb
151.50	153.00			Basalt	- Has a 15cm zone of strong flood @ 20' to C.A. - Cpz is in that zone	Trpy Trpy	61979	151.50	153.00	1.50	45
153.00	154.30			"	- less flood - some intense red blebs (??) -	Tr	61980	153.00	154.30	1.30	20
154.30	154.65			Siltstone	Bdy @ 40' to C.A. - Very fresh and homogeneous in appearance -						
154.65	156.50			Basalt	- Same as interval above siltst - quite competent -	0.5 Tr	61981	154.65	156.50	1.85	50
156.50	158.00			"	- Same but more chl and epidote - Minor gte blebbing - Very little sulf.	Tr	61982	156.50	158.00	1.50	5
158.00	160.90			"	- f.g. basalt - quite homogeneous and fresh -		63355	158.00	159.50	1.50	120
							63356	159.50	160.90	1.40	15
160.90	161.70			" Flood zone	Main fol @ 20' to C.A. - Very strong flood - Some very lg. blebs py - Tr m.s. posite -	Tr 3py	61983	160.90	161.70	0.80	350
161.70	163.00			"	- This zone is actually 3.90m long (the drillers missed a 10 ft run) - Same as above the last zone	Tr	63357	161.70	163.00	1.30	10
163.00	164.50			"	- Mod to strong gte flood - Tr epidote - Weak fol @ 5.5' to C.A. -	0.5py	61984	163.00	164.50	1.50	30
164.50	166.50			"	- Same	Tr	61985	164.50	166.50	2.00	5
166.50	168.50			"	- Fine gr. basalt - Has been gte flooded - Epidote - Very competent - Minor ant calc	0.5py Trpy	61986	166.50	168.50	2.00	5
168.50	170.50			"	- same		63358	168.50	170.50	2.00	10

MASCOT GOLD MINES LIMITED

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HOLE NO. C-89-9

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	ppb		
170.50	172.00		Basalt	Weak fol @ 55° to c.a. - v.f. gr. basalt - some stringers of Qtz / Calc - competent	Tr	61987	170.50	172.00	1.50	50		
172.00	175.80		"	- Same rock but very few stringers + quartz fresh	Tr	63359 63360	172.00 174.00	174.00 175.80	2.00 1.80	10 45		
175.80	176.80		"	- Weak Qtz vein (2cm wide) // to c.a. - Tr epidote -	Tr	61988 63361	175.80 176.80	176.80 177.50	1.00 0.70	10 5		
176.80	181.00		"	Same as above without the Qtz - f.g. - Tr epidote - blobs of chl - competent - occasional flood	Tr	63362 63363	177.50 179.00	179.00 181.00	1.50 2.00	<5 45		
181.00	183.00		"	- Minor amt of Qtz flood - Weak fol @ 30° to c.a.	Tr	61989	181.00	183.00	2.00	10		
183.00	186.00		"	- Same as above - No fol - Very competent - minor Qtz flood - some calc	Tr	63364 63365	183.00 184.50	184.50 186.00	1.50 1.50	10 45		
186.00	188.00		"	- Same w/ a little more flood - Tr blood red hem.	1.0pp	61990	186.00	188.00	2.00	10		
188.00	190.00		"	- Rock is quite similar over long distance - continued flood + some Qtz/calc stringers	Tr	61991	188.00	190.00	2.00	15		
190.00	192.00		"	- Minor Epidote and heavy chl alt. - Very competent - Non-silicified.	Tr	61992	190.00	192.00	2.00	5		
192.00	194.00		"	- Only minor flood now - Noticable inc in chl content - Rock starts to look very drk.	Tr	61993	192.00	194.00	2.00	10		
194.00	196.00		"	- Same	Tr	61994	194.00	196.00	2.00	15		
196.00	197.40		"	- Bot cont very uneven - area 55° to c.a. - Lots of chl	Tr	61995	196.00	197.40	1.40	20		

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM			
From	To						Frera	To	Length	Au ppb
197.40	200.00		Plug - Hbl'd Porphyry	- Hbl's up to 3mm long - Plug up to 5mm - A lot of sericite alt in plug giving the rock a green appearance - v.f. f. i. plug groundmass - Very little qtz - Musc up to 2mm	-	63366	197.40	198.50	1.10	30
			"			63367	198.50	200.00	1.50	15
200.00	204.00		"			63368	200.00	202.00	2.00	45
			"			63369	202.00	204.00	2.00	50
204.00	206.00		Basalt	- Top cont very uneven - Has flow texture - Some lg plug phenos - Tr hem - Fol @ 50° to C.A.	0.5 py	61996	204.00	206.00	2.00	65
206.00	208.00		"	- Has a lot of calc qtz stringers @ 45° to C.A. - Very bleached	0.5 py	61997	206.00	208.00	2.00	25
208.00	209.50		"	- Extremely bleached with blebs of mariposite - Lots of hbl stringers - Minor qtz blood	0.5 py	61998	208.00	209.50	1.50	45
209.50	211.50		"	- Has been precracked by hbl blood - Fol @ 30° to C.A. - Competent	0.5 py	61999	209.50	211.50	2.00	30
211.50	213.50		"	- Very strongly bleached - Fol @ 40° to C.A. - Tr mariposite	Tr	62000	211.50	213.50	2.00	20
213.50	214.50		"	- Approx 2% mariposite - Very bleached - qtz blood -	Tr aspy 10py	62001	213.50	214.50	1.00	75
214.50	215.50		"	- More qtz blood than above - Some vugs in intense blood right @ bot -	1.5py	62002	214.50	215.50	1.00	25
215.50	216.25		Plug Porphyry Dyke	Cont uneven out @ 50° to C.A. - Same old plug porphyry - Bot cont @ 60° to C.A. -	Tr py	62003	215.50	216.25	0.75	35
216.25	218.00		Basalt	- Strong qtz blood - Tr epidote - Tr hem - Tr marip - Competent - Strongly bleached in top 20cm	Tr	62004	216.25	218.00	1.75	10
218.00	220.00		"	- Same as above	Tr	62005	218.00	220.00	2.00	10

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	#4 pp6
220.00	222.00		Basalt	- Tr. Marcoposite - A little broken up - Lots of x-cutting qtz stringers -	Tr	62006	220.00	222.00	2.00	15
222.00	223.00		" Flood Zone	- Intense qtz flood - Flood is @ 25° to C.A. - Some blk ribbons w/ qtz -	Tr:stib Tr:py 15pp6	62007	222.00	223.00	1.00	130
223.00	224.00		" "	- Same - Amt of esp + stib may be higher than observed because of amount in ribbons which	"	62008	223.00	224.00	1.00	475
224.00	225.00		" "	is too fine to see - Towards bot still have qtz stringers but flood w/ ribbons is gone	"	62009	224.00	225.00	1.00	140
225.00	227.00		"	- Light grn - v. f. gr. - A few Bullish qtz veinlets and stringers - Mod competent -	Tr py	62010	225.00	227.00	2.00	15
227.00	228.50		"	- Becomes quite bleached toward bottom - Inc in qtz flood -	0.5 pt	62011	227.00	228.50	1.50	15
228.50	229.50		" Flood Zone	- Strong flooding @ 20° to C.A. - Qtz is ribboned - 2% marcoposite - Broken up	Tr	62012	228.50	229.50	1.00	190
229.50	231.00		P 149 Porphyry	- Dec in flood - Lots of hem stain - More competent - Top cent @ 30° to C.A.	Tr	62013	229.50	231.00	1.50	10
231.00	232.00		" Flood Zone	- Qtz has no orientation - A few small blk ribbons w/ qtz - Tr marcoposite	Tr:py Tr:py	62014	231.00	232.00	1.00	10
232.00	234.10		"	- Same w/ less intense qtz flood - Lots of blk ribbon - Could be up to 3% esp	Tr:py Tr:py	62015	232.00	234.10	2.10	10
234.10	236.00		BASALT	- Relatively fresh basalt - minor qtz flood -		62016	234.10	236.00	1.90	15
236.00	237.00		"	- Same as above		62017	236.00	237.00	1.00	45



E & B EXPLORATIONS INC.      PROPERTY: *Cariboo*      PAGE 1 OF 11      HOLE NO: *C-89-10*

PROJECT NO: *8120*      LOGGED BY: *SR*      DATE:      DEPTH: *210.31m*

TOWNSHIP:      SURVEYED BY:      DATE:      DATE COLLARED: *Aug 23*

RANGE:      SEC:      CONTRACTOR: *J.T. Thomas*      DATE COMPLETED: *Aug 26*

COLLAR:				CASING LEFT IN HOLE: YES _____ NO <input checked="" type="checkbox"/>	CORE SIZE	DEPTH	HOLE CHARACTERISTICS		
CHAINED	SURVEYED	ESTIMATED <input checked="" type="checkbox"/>					CAVING	LOST CIRCULATION	WATER POINTS
	GROUND	DRILL DECK	TOP OF CASING		<i>NA</i>				
LENGTH									
ELEVATION	<i>1155m</i>								
HOLE COORDINATES	<i>14700N</i>	N.	N.	N.					
	<i>258E</i>	E.	E.	E.					

HOLE SURVEY: <i>Sperry Sun - No Good</i>								EQUIPMENT TYPES USED, & EQUIPMENT LEFT IN HOLE:	
DEPTH	<i>0</i>							<i>Acker</i>	
DIP	<i>-45°</i>							<i>Elevation by altimeter</i>	
MAG. BEARING									
GRID. BEARING									
TRUE BEARING	<i>360°</i>								
INSTRUMENT									

HOLE SUMMARY / COMMENTS: *Hole drilled due N at -45° to intersect a structure on the geophysical pseudo-section which may be related to an overlying Soil (Au) anomaly. The top part of the hole is in a chargeability high. Intersected Strongly silicified siltstones and basalts bearing po and py. Some minor carbonate flood zones were also intersected*



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HOLE NO. C-89-10

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM						
From	To							From	To	Length	Au ppb			
0	9.75			Overburden	- No. Return									
9.75	12.20			Siltstone	- Quartz flooded and strongly silic - Minor Hem stain - Only 55% return -	Tr.p. 0.5py	62026	9.75	12.20	2.45	10			
12.20	14.00			"	- Less flood but still silic - Bdg 55% to C.A. - 70% return - Hornfelsing -	Tr.p. Tr.py	62027	12.20	14.00	1.80	15			
14.00	16.00			"	- Rock is not qtz flooded but very intense silic in spots - Bdg @ 60° to C.A.	Tr.p. Tr.py	62028	14.00	16.00	2.00	10			
16.00	18.00			"	Strong silic - Fairly non-descript rock -	Tr.p. 0.5py	62029	16.00	18.00	2.00	10			
18.00	20.00			"	- Changes from strong silic to extremely intense silic - Minor qtz flood - Hem stain -	Tr.p. Tr.py	62030	18.00	20.00	2.00	55			
20.00	22.00			"	- Same as above	Tr.p. Tr.py	62031	20.00	22.00	2.00	10			
22.00	24.00			Basaltic Dyke	- Cont @ 25° to C.A. - Minor and scale - Very f.g.v. dia dike + occasional stringers	0.5 py 0.5 no	62032	22.00	24.00	2.00	10			
24.00	26.00			Siltstone	- Same as above + the dyke but silic described as strong - A little broken up - Hem stain		62033	24.00	26.00	2.00	10			
26.00	28.00			"	- Same		62034	26.00	28.00	2.00	60			
28.00	30.00			"	- Same again but becomes much more broken up -		62035	28.00	30.00	2.00	5			
30.00	32.00			"	- Same - Minor and a silic flood - some ch. stringers -		62036	30.00	32.00	2.00	15			

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To						From	To	Length	As ppb		
32.00	34.00		Siltstone	- Same once again - Silic is now strong rather than intense	0.5% Tr py	62037	32.00	34.00	2.00	300		
34.00	36.00		"	Very broken contains some blk arg which is weakly silic and has stringers of py	Tr py	62038	34.00	36.00	2.00	20		
36.00	38.00		"	- Still spots of blk arg - Strong silic - Strong py zone at bot of interval - Badly broken	0.5% 0.5% Tr py	62039	36.00	38.00	2.00	25		
38.00	40.00		"	- Very strongly silic - Still badly broken - Brecks are clean no gouge or clay - alt. Tr gal?	Tr gal Tr py	62040	38.00	40.00	2.00	20		
40.00	41.80		"	- Same - Bottom 20 cm is 60% py - Bdy @ 25° to C.A. -	1.0% Tr py	62041	40.00	41.80	1.80	20		
41.80	43.05		Basalt flow	- Fol @ 25° to C.A. - Some py + py stringers -	0.5% 0.5% Tr py	62042	41.80	43.05	1.25	15		
43.05	45.00		Siltstone	- Includes 2 gtz veins (3m + 10m) w/ py + silver/blue sulf (gal ??) - Minor epidote + Hem in stringers	Tr gal Tr py	62043	43.05	45.00	1.95	110		
45.00	47.00		"	Includes 30 cm of basalt flow - Some as above interval	Tr py	62044	45.00	47.00	2.00	15		
47.00	49.00		"	- Becomes more silic to intense - Less broken now - Still minor Hem stain throughout	0.5% Tr py	62045	47.00	49.00	2.00	10		
49.00	51.20		"	Strong silic - Same as above - Bdy @ 55° to C.A. - Bot cont @ 30° to C.A. and L to Bdy	Tr py Tr py	62046	49.00	51.20	2.20	25		
51.20	53.00		Basalt	- Very fresh looking basalt w/ py + phenes - weakly silic - small bits of py + py	Tr py Tr py	62047	51.20	53.00	1.80	10		
53.00	55.00		"	Same		62048	53.00	55.00	2.00	30		

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HOLE NO. C-89-10

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM				
From	To							From	To	Length	A <sub>4</sub> ppb	
55.00	57.00			Basalt	- Same	Tr P <sub>2</sub> Py	62049	55.00	57.00	2.00	10	
57.00	59.00			"	- Very homogeneous across interval - Does not have much flow texture	Tr P <sub>2</sub> Py	62050	57.00	59.00	2.00	15	
59.00	60.25			"	- Gets finer grained - close to host cont - Lower cont not seen - competent	Tr pot py	62051	59.00	60.25	1.25	430	
60.25	62.00			Siltstone	- Very badly broken up - Bldg @ 40% to C.A. - Has blk arg component	Tr pot py	62052	60.25	62.00	1.75	45	
62.00	64.00			"	- Same	Tr pot py	62053	62.00	64.00	2.00	45	
64.00	65.70			"	- Still the same - Bot cont @ 65% to C.A. - Still both pot py present - still silic	Tr pot py	62054	64.00	65.70	1.70	20	
65.70	67.50			Basalt	Not as fresh as the last interval of basalt - Weak silic in spots - competent - Rather homogeneous	Tr pot py	62055	65.70	67.50	1.80	20	
67.50	69.50			"	over large dist - Rather fine gr. -	Tr P <sub>2</sub> Py	62056	67.50	69.50	2.00	35	
69.50	71.50			"	- Same	Tr pot py	62057	69.50	71.50	2.00	15	
71.50	73.00			"	- Becomes very broken up - Inc in calc cont end - Only silic in a few spots -	0.5 Py Tr P <sub>2</sub>	62058	71.50	73.00	1.50	15	
73.00	74.00			" Brecciated	- Calc breccia has been cemented by calc - Inc in sulf -	1.0 Py Tr P <sub>2</sub>	62059	73.00	74.00	1.00	55	
74.00	75.00			" "	- Same - some gangy material - minor epidote	1.0 Py Tr P <sub>2</sub>	62060	74.00	75.00	1.00	10	

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HOLE NO. C-89-10

FOOTAGE		LOG		ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM					
From	To							From	To	Length	AU PPG		
75.00	76.00			Basalt	only slightly broken up - Tr epidote	25 M Trpo	62061	75.00	76.00	1.00	30		
77.50	77.50			"	- Same - Up to 2% epidote - Bot cont not observed - Tr broken -	10M Trpo	62062	76.00	77.50	1.50	20		
77.50	79.50			Siltstone	- Broken and strongly silic - mild Purple colour from hem stain	Tr 10+ M	62063	77.50	79.50	2.00	15		
79.50	81.50			"	- Same	Tr 10 M	62064	79.50	81.50	2.00	35		
81.50	83.50			"	- Extremely broken up but still silic - No gouge or clay at - Very clean - Very little sulf	Tr	62065	81.50	83.50	2.00	10		
83.50	85.50			"	- Same	Tr	62066	83.50	85.50	2.00	55		
85.50	87.50			"	- Same again - Extremely broken up - Just like drilling marbles -	Tr M +po	62067	85.50	87.50	2.00	65		
87.50	89.50			"	- Same	Tr 10M Trpo	62068	87.50	89.50	2.00	30		
89.50	91.50			"	- Same again - Strongly silic - Badly broken but cleanly broken - Possible stib Tr	Trpo Tr stib?	62069	89.50	91.50	2.00	30		
91.50	93.50			"	- Same but even more broken up - ~ 60% return -	Tr	62070	91.50	93.50	2.00	20		
93.50	95.50			"	- Same - Some areas are broken up and cemented with silt and carb. - 50% return	Tr	62071	93.50	95.50	2.00	15		
95.50	96.50			Basaltic Breccia	- Much more solid - Basalt frags (agglomerate) cemented by Carb - Epidote - fol ~ 30° to C. A.	2% M Trpo	62072	95.50	96.50	1.00	15		

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HOLE NO. C-89-10

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	AM PPB
96.50	98.50		Siltstone	- Bdy @ 45° to C.A. - Top cont 11 to Bdy - Very badly broken again - Not much sulf	Tr	62073	96.50	98.50	2.00	20
98.50	100.50		"	- Same as above - Lower cont @ 45° to C.A. and 11 to bdy -	Tr	62074	98.50	100.50	2.00	15
100.50	101.25		Basalt	- Competent basalt - strong fol @ 35-45° to C.A. with qtz/calc blood w/ ass. sulf -	4.0 po 1.0 py Tr sulf	62075	100.50	101.25	0.75	20
101.25	103.00		"	- Rel fresh - competent - non-silic - bldg sulf + small stringers (rare) -	0.5 po + py	62076	101.25	103.00	1.75	15
103.00	105.00		"	- Very fresh w/ occasional rare qtz veins @ 45° to C.A. - Competent	Tr sulf 1.0 po	62077	103.00	105.00	2.00	15
105.00	106.75		"	- Tr sulf + gal in a 0.5cm veinlet at 35° to C.A. - Tr epidote - Broken towards bottom (cont not seen)	Tr sulf + gal Tr py	62078	105.00	106.75	1.75	85
106.75	108.50		Siltstone	- Back into very beddy broken siltstone - Hem stain with silicification -	Tr	62079	106.75	108.50	1.75	10
108.50	109.50		Basalt	- Top cont very uneven - silic - strong epidote near top - Most of orig texture not seen	3.0 py Tr silic + po	62080	108.50	109.50	1.00	15
109.50	111.50		"	- Unlike some of the upper basalts this one is thoroughly silicified - Very comp - Very Homogeneous	0.5 po 0.5 py	62081	109.50	111.50	2.00	10
111.50	113.50		"	- Same	0.5 po 0.5 po	62082	111.50	113.50	2.00	20
113.50	115.50		"	- Same	0.5 po 0.5 py	62083	113.50	115.50	2.00	20
115.50	117.50		"	- Still the same - Strong silic - Competent - Weak fol @ 45° to C.A.	Tr silic 0.5 py	62084	115.50	117.50	2.00	15

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE	ASSAY / GEOCHEM					
From	To						From	To	Length	Au ppb		
117.50	119.50		Basalt	- Starting to get large amounts of pink mineral (Anhydrite??) with the epidote in gte flood areas.	T <sub>1</sub> po 1.0 py	62085	117.50	119.50	2.00	55		
119.50	121.35		"	- Silic is still intense - more pink mineral - Cont hard to place because of intense silic.	1.0 py 0.5 po	62086	119.50	121.35	1.85	15		
121.35	123.00		Siltstone	- Rock is slightly purple from hem stain w/ silic - mod competent - Still epidote + pink	20.5 py py	62087	121.35	123.00	1.65	10		
123.00	124.50		"	- Same	<0.5 po py	62088	123.00	124.50	1.50	10		
124.50	126.50		"	- Becomes very broken up again - Cleanly broken - Silic - Much of sulf smeared on face	T <sub>1</sub> po py	62089	124.50	126.50	2.00	75		
126.50	128.50		"	- Same - Some relict bdy observed @ 30° to C.A. - It is almost impossible to	1.0 py 0.5 po	62090	126.50	128.50	2.00	35		
128.50	130.50		"	determine the orig texture of the rock - Po in cells just like py.	0.5 py 0.5 po	62091	128.50	130.50	2.00	15		
130.50	131.70		"	- Same	0.5 py 0.5 po	62092	130.50	131.70	1.20	10		
131.70	132.55		"	- Extreme silic w/ silica flood - Lots of epidote + pink mineral - Strong fol @ 35° to C.A.	T <sub>1</sub> po py	62093	131.70	132.55	0.75	15		
132.55	134.00		"	- Same as above the last interval - Quite broken up - slight purple colour - Silic	T <sub>1</sub> silb + po + py	62094	132.55	134.00	1.45	25		
134.00	136.00		"	- Same	T <sub>1</sub> po py	62095	134.00	136.00	2.00	15		
136.00	137.00		"	- Strong fol @ 35° to C.A @ bot - Brecciated + calc cement in bot 10 cm	Truss py po py	62096	136.00	137.00	1.00	125		

FOOTAGE From To	LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	% Sulfide	SAMPLE No.	ASSAY / GEOCHEM			
						From	To	Length	AM ppb
137.00	138.00	Siltstone	- Top of interval very broken w/ some gouge (5cm) - Tr epidote - Competent @ bot	1.0% Trpo	62097	137.00	138.00	1.00	450
138.00	139.50	"	- Approx 1% epidote - Strong silica - Hem stain - Competent	0.5% Trpo epid	62098	138.00	139.50	1.50	25
139.50	140.50	"	- 2% epidote - Intense silica + m.d. bleed - Fol @ 35° to C.A. -	1.0% Trpo	62099	139.50	140.50	1.00	15
140.50	141.65	"	- Cont very irregular - Same as above w/ no epidote or qtz bleed	Tr py po	62100	140.50	141.65	1.15	35
141.65	143.65	Basalt	- A few relict pyx present - Silic - Rare qtz veins @ 70-90° to C.A. -	0.5% Tr po	62101	141.65	143.65	2.00	10
143.65	145.50	Siltstone	- Strong silica - Dlg @ 35° to C.A. - Hem stain - Very competent - Bdg clearly visible	0.5% Trpo	62102	143.65	145.50	1.85	15
145.50	147.50	Basalt	- Contact very uneven - Basalt is dk. grn. Homogeneous - Blebs pyx - Silic	Tr	62103	145.50	147.50	2.00	10
147.50	149.00	"	- Same	Tr	62104	147.50	149.00	1.50	10
149.00	150.00	"	- Non silicified calc qtz bleed (m.d.) zone - Fol @ 50° to C.A.	Tr	62105	149.00	150.00	1.00	10
150.00	151.00	"	- Very intense silica in top 40 cm - Fol @ 30° to C.A. -	0.5% Trpo	62106	150.00	151.00	1.00	70
151.00	153.00	"	- Still a few stringers and veins of calc/qtz - Fairly non-descript basalt	0.5% Tr	62107	151.00	153.00	2.00	15
153.00	155.00	"	- Same	1.0% Tr	62108	153.00	155.00	2.00	40

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	%	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au ppb
159.00	156.50		Basalt	- Agglomeratic Flow - Weak silic in small patches - Weak Calc / qtz blood - Fol greatly variable -	1.0 py 0.5 po	62109	155.00	156.50	1.50	80
156.50	158.50		"	- Same - Weak blood - Very broken towards bot -	Tr	62110	156.50	158.50	2.00	5
158.50	160.00		Siltstone	- Bed varies a great deal but dip = 35° to C.B. - Silt sed dip -	0.5 Pz	62111	158.50	160.00	1.50	10
160.00	161.00		"	- Same	Tr	62112	160.00	161.00	1.00	5
161.00	163.00		Basalt	- Upper contact extremely irregular - Flow - Tr epidote.	0.5 py Tr po	62113	161.00	163.00	2.00	5
163.00	165.00		"	- Same	0.5 py Tr po	62114	163.00	165.00	2.00	5
165.00	167.00		"	- Tr epidote - Light purple colour from hem - Silic (weak)	1.5 py Tr po	62115	165.00	167.00	2.00	10
167.00	169.00		"	- Same - Compact - Some small patches of siltstone.	1.0 Pz	62116	167.00	169.00	2.00	40
169.00	170.35		"	Once again the contact is very irregular - Same as above	1.0 Pz	62117	169.00	170.35	1.35	20
170.35	171.75		Siltstone	- Has some basalt in it. - lots of silt sed dip - Mod to intense silic -	Tr	62118	170.35	171.75	1.40	15
171.75	173.00		"	This section is intensely silic - silic is in lg blobs and in st rings.	2.0 py Tr po	62119	171.75	173.00	1.25	55
173.00	175.00		"	- Interbed has a fair bit of inter- bed basalt but it all looks very similar after silic -	0.5 Pz Tr po	62120	173.00	175.00	2.00	15



MASCOT GOLD MINES LIMITED

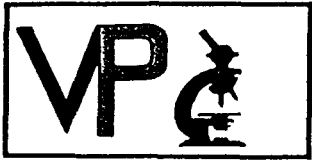
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HOLE NO. C-89-10

FOOTAGE		LOG	ROCK TYPE	ALTERATION, MINERALIZATION & STRUCTURE	% Sulfide	SAMPLE No.	ASSAY / GEOCHEM			
From	To						From	To	Length	Au ppb
175.00	177.00		Basalt	- Very minor Tr of both epidote and hematite - Weak silic - Very competent -	Tr ppm	62121	175.00	177.00	2.00	15
177.00	179.00		"	- Same as above but becomes more strongly silic towards bot - Difficult to determine orig rock	0.5% Tr ppm	62122	177.00	179.00	2.00	35
179.00	180.50		"	- Same	Tr	62123	179.00	180.50	1.50	50
180.50	182.00		"	- Strongly silicified w/ patches of intensely silic - Minor Hem + epidote - Very competent	Tr	62124	180.50	182.00	1.50	20
182.00	183.50		"	- Same	Tr	62125	182.00	183.50	1.50	20
183.50	185.50		"	- Weak fol @ 65° to C.A. - Less silic than above intervals -	0.5% Tr ppm	62126	183.50	185.50	2.00	155
185.50	187.50		"	- Same	1.0% 0.5% Tr ppm	62127	185.50	187.50	2.00	45
187.50	189.50		"	- Same - Qtz/calc bleed over 10cm @ 80° to C.A. - lots of assoc sulf - Some cross non silic.	1.0% 0.5% Tr ppm	62128	187.50	189.50	2.00	20
189.50	191.50		"	- Basalt is fairly coarse gr here. start to get silic in patches rather than throughout.	0.5% Tr ppm	62129	189.50	191.50	2.00	35
191.50	193.50		"	- Because of c. gr. basalt, much of qtz is gathering between the grains giving a salt & pepper appearance	Tr	62130	191.50	193.50	2.00	15
193.50	195.00		"	- Tr epidote and Hem - Same as above - A little broken up - Silic -	Tr	62131	193.50	195.00	1.50	40
195.00	197.00		"	- Same	Tr	62132	195.00	197.00	2.00	10



APPENDIX 2  
PETROGRAPHIC DESCRIPTIONS



# Vancouver Petrographics Ltd.

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September 8, 1989  
Our file # 8421

Dear Mr. Robertson: Re: Petrographic Descriptions Your Purchase  
Order No. 89-0169.

Petrographic descriptions have been completed for 11 thin and  
polished sections. The results are summarized as follows:

[1] C89-1-149.5 m

Intensely sericitic altered quartz, (feldspar), muscovite  
felsite.

Less altered grains are quartz, many euhedral unaltered but  
commonly subhedral rounded with sericite nibbled margins and  
internal sericite clusters. Plumose/felted sericitic groundmass,  
containing carbonate clots, with outlines pseudomorphous after  
plagioclase. Sulphides in approximate order of abundance are:  
pyrite/marcasite, chalcopyrite, arsenopyrite (few grains).

[2] C89-2-37 m

Sericitic altered plagioclase porphyry

Altered feldspar and mica phenocrysts in a fine interlocking  
granular feldspar rich matrix. Feldspar phenocrysts intensely  
altered to sericite with microgranular dusting. Micas altered to  
carbonate and chlorite with remnant mica shreds remaining.  
Groundmass partially altered to sericite with microgranular  
brownish dusting. Also clots of brown microgranular dusting  
(iron oxide?). Opaques in approximate order of abundance are:  
pyrite, hematite and iron staining.

[3] C89-4-32 m

Laminated silty shale/siltstone.

Laminated feldspathic (carbonaceous) groundmass with very minor  
disseminated quartz and sericite grains. Feldspars have very fine  
microgranular brown-grey dusting of alteration. Some differences  
in grain size and quartz content between laminae. Microgranular  
carbonaceous aggregates form diffuse, irregular lensoidal  
partings along bedding. Local strong fracturing filled with  
carbonaceous material, quartz, carbonate, chlorite. Sulphides in

approximate order of abundance are: pyrite, chalcopyrite, sphalerite, trace galena.

[4] C89-7-58 m  
Feldspar, mica porphyry

Plagioclase phenocrysts and glomerophenocrysts altered by sericite and carbonate leaving some polysynthetic twinning remnants. Mica phenocrysts partially altered by carbonate and microgranular opaque aggregates leaving shreds of mica (muscovite) following cleavage traces. Matrix fine interlocking granular K-feldspar partially altered to very fine felted clusters of sericite and with a microgranular semiopaque dusting. Scattered clots of very fine granular aggregates of carbonate. Opaques 1%.

[5] C89-9-243 m  
Intense sericite/illite-carbonate altered quartz impregnated andesite(?).

The original rock textures have been largely obliterated by alteration. Locally shows randomly oriented alteration pseudomorphs after small plagioclase phenocrysts set in a finer grained/fragmental?, interlocking altered feldspathic (with very minor quartz) groundmass. Alteration consists of sericite (and lesser carbonate) pseudomorphous after plagioclase phenocrysts, with clots of sericite-carbonate alteration of the feldspathic groundmass. Quartz and late carbonate veining with local impregnation of the groundmass by quartz. Opaques in approximate order of abundance are: pyrite, hematite, chalcopyrite.

[6] C89-9-246 m  
Chlorite, carbonate, sericite altered feldspar amphibole porphyritic andesite.

Phenocrysts are comprised of two size ranges of pseudomorphs of granular carbonate after plagioclase, and fine grained acicular randomly oriented, altered amphibole. These phenocrysts are set in an altered matrix composed of fine grained interlocking altered feldspar with very minor scattered irregular grains of quartz. The matrix is altered by a mixture of sericite and chlorite with abundant irregular small clots of carbonate scattered throughout. Opaques <5%.

[7] C89-10-53 m  
Porphyritic/seriate plagioclase hornblende andesite

Coarse subhedral plagioclase and hornblende phenocrysts in a finer grained plagioclase and hornblende interlocking to felted matrix. Lithic fragments. Altered by irregular/diffuse clots of carbonate, some of which with sericite replaces plagioclase and some with chlorite replacing hornblende. Sulphides in

approximate order of abundance are: pyrrhotite, pyrite/marcasite, chalcopyrite.

[8] C89-10-95 m

Breccia composed of hornblende-biotite chlorite hornfels and quartz-amphibole hornfels cemented by carbonate. Sulphides in approximate order of abundance include: pyrite/marcasite, chalcopyrite.

[9] C89-10-132 m

Layered (silty argillite) amphibole hornfels.

The rock is composed of a groundmass of fine grained quartz, plagioclase, feldspar, and amphibole. Bedding shows some differences in grain-size and relative mineral abundance. The groundmass is impregnated by diffuse patches of segregated clots and fine mixtures of "skarn" minerals, quartz, plagioclase and K-feldspars accompanied by scattered coarse sulphides. In addition the rock is cut by diffuse and regular walled veins of feldspars, quartz and "skarn" minerals. Opaque minerals include: pyrite/marcasite, pyrrhotite, chalcopyrite. Sulphides in approximate order of abundance are: pyrite/marcasite, pyrrhotite, chalcopyrite.

[10] C89-10-138 m

Metasiltstone; biotite amphibole hornfels. Crackled quartz (minor K-feldspar) veining and impregnation.

The groundmass is composed of very fine grained quartz and feldspar with evenly disseminated fine clusters of secondary biotite, (lesser amphibole accompanied by carbonate), which gives the rock a brownish colour. The rock has been crackle brecciated and diffusely veined by quartz; followed by plagioclase (minor k-feldspar) which formed diffuse veins which permeated out into the wallrock. Sulphides in approximate order of abundance are: pyrrhotite, pyrite, chalcopyrite.

[11] C89-10-204 m

Hornblende diorite

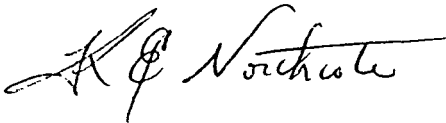
Medium crystalline, composed of subhedral grains of plagioclase, hornblende and biotite. Plagioclase is partially altered to sericite with minor carbonate and shows strong microgranular red brown alteration dusting. Hornblende, containing some augite remnants, is weakly altered to secondary amphibole and chlorite. Biotite laths are strongly altered to chlorite. Sulphides in approximate order of abundance are: pyrite, chalcopyrite. Oxides; hematite, magnetite.

The sulphide assemblages include pyrite (arsenical?), pyrrhotite, chalcopyrite and traces sphalerite, galena and arsenopyrite.

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Gold was not observed in any of the sections. Some very fine, (<.01 to .02 mm), isolated grains of chalcopyrite with poor polish look similar to gold but appear dull, lacking the granular reflectivity common in native metals. Assays/trace metal analyses for Au and a range of other elements are warranted because of intensity of the varied alteration types and sulphide assemblages present.

Yours truly,

A handwritten signature in cursive script, appearing to read "K.E. Northcote". The signature is written in dark ink and is positioned below the typed name.

K.E. Northcote Ph.D., P.Eng.

(604) 796-2068

CORONA 1

[1] C89-1-149.5 m

Intensely sericitic altered quartz, (feldspar); muscovite felsite.

Less altered grains are quartz, many euhedral unaltered but commonly subhedral rounded with sericite nibbled margins and internal sericite clusters. Plumose/felted sericitic groundmass, containing carbonate clots, with outlines pseudomorphous after plagioclase.

Stained slab does not indicate K-feldspar.

Nonmagnetic. Opaques; <1%, pyrite/marcasite, chalcopyrite, arsenopyrite (few grains).

Transmitted light:

Quartz; 40%, euhedral/subhedral rounded, (0.1 to 1.0 mm). Some grains euhedral, unaltered uniform extinction. Other grains have margins partially replaced by sericite and with internal clusters of sericite grains. Some grains have appearance of untwinned feldspar but all that give interference figures are uniaxial (+). (oil immersion X 1000).

Feldspar; <10%, almost complete replacement by felted/plumose sericite, admixed carbonate clots. Suggestions of feldspar pseudomorphs of feldspar replaced by sericite and carbonate. Diffuse feldspar remnants visible locally but most grains suspected of being feldspar are shown by interference figures to be quartz.

Altered mica (muscovite?); 5%, subhedral, (0.4 to 1.0 mm), fibrous shredded terminations, very weak slightly brownish pleochroism, strong carbonate alteration. Ends of grains grade outwards into sericitic groundmass.

Rutile; <1%, clusters of euhedral grains in quartz and altered groundmass.

Groundmass:

Sericite; 35%, anhedral, (<0.05 to 0.3 mm), felted/plumose, diffuse interstitial masses and forms a wispy network among quartz grains. Some ghost-like pseudomorphic outlines with carbonate after feldspar (?).

Carbonate; 10%, anhedral, aggregates of grains, forming clots in sericitic groundmass, probably replacement of feldspar.



[1] Continued

Reflected light.

Opaque minerals:

Sulphides: <1%

Pyrite; euhedral/anhedral (<.01 to 1.0 mm) weakly anisotropic, possibly arsenical.

Marcasite; anhedral, (<.01 to 0.1 mm). Associated with pyrite. Slightly paler colour, stronger anisotropism.

Arsenopyrite; subhedral/euhedral, ( to 0.1 mm). Clusters of grains, characteristic diamond shaped outline, moderate anisotropism. Subtle colour difference as compared to pyrite.

Chalcopyrite; traces, anhedral (<.01 to 0.1 mm), as minute free grains in gangue or associated with pyrite and marcasite.

Oxides: 1%

Ilmenite/sphene(?)/rutile, scattered grains, clusters of grains.

[2] C89-2-37 m

### Sericitic altered plagioclase porphyry

Altered feldspar and mica phenocrysts in a fine interlocking granular feldspar rich matrix. Feldspar phenocrysts intensely altered to sericite with microgranular dusting. Micas altered to carbonate and chlorite with remnant mica shreds remaining. Groundmass partially altered to sericite with microgranular brownish dusting. Also clots of brown microgranular dusting (iron oxide?)

Stained slab indicates no K-feldspar but strong etching of phenocrysts and groundmass indicate plagioclase component.

Nonmagnetic. Sulphides; <1%, pyrite.

#### Phenocrysts:

Altered plagioclase, 20%, euhedral, (0.3 to >2 mm), glomerophenocrysts. Intense alteration by felted fibrous/plumose sericite with microgranular reddish brown dusting forms pseudomorphs after plagioclase with none of the original feldspar remaining.

Altered mica; 5%, euhedral (to >1.0 mm), intense carbonate alteration, high birefringent fibrous mica remnants. Clouded by reddish brown hematitic dusting parallel to former cleavage traces.

Quartz; traces, subhedral, (0.4 mm), altered, uniform extinction.

#### Accessories:

Rutile; <1%, euhedral, (.05 to 0.1 mm), clusters of long prismatic crystals.

#### Matrix

Feldspar; 30%, anhedral, (<.01 to .05 mm), irregular interlocking grains. Microgranular alteration dusting and etching of stained slab indicates high feldspar content in groundmass.

Quartz; suspected but not verified.

Sericite/illite; 35%, anhedral, (<.01 to 0.2 mm), fibrous, radiating clusters of grains abundantly disseminated throughout the matrix. Note: Sericite and illite have similar optical properties.

Hematitic dusting; 5%, microgranular, disseminated irregular diffuse clots of aggregates of microgranular red brown (hematitic) dusting (to 0.5 mm).

[2] Continued

Reflected light:

Opaque: <10%.

Sulphides: <1%

Pyrite; <1%, subhedral/anhedral, (<.01 to .15 mm), generally irregular grains widely disseminated through groundmass.

Oxides:

Iron oxide; <10%, iron stain, translucent

Hematite; <1%, rimming some pyrite grains.

[3] C89-4-32 m (Polished thin section)

Laminated silty shale/siltstone.

Laminated feldspathic (carbonaceous) groundmass with very minor disseminated quartz and sericite grains. Feldspars have very fine microgranular brown-grey dusting of alteration. Some differences in grain size and quartz content between laminae. Microgranular carbonaceous aggregates form diffuse, irregular lensoidal partings along bedding. Local strong fracturing filled with carbonaceous material, quartz, carbonate, chlorite.

Stained slab shows widely scattered flecks of K-feldspar. Groundmass etched indicating abundant plagioclase content.

Opaques: <1%, pyrite, very minor chalcopyrite, sphalerite, trace galena.

Transmitted light:

Groundmass

Plagioclase; 50%, anhedral, (<.01 to 0.1 mm, generally <0.05 mm), clouded by very fine sericitic alteration giving a very fine felted appearance under higher power.

K-feldspar; trace, anhedral grains, widely disseminated, indicated by stained slab. Not confirmed in thin section.

Quartz; 15%, anhedral, (0.02 to 0.1 mm, most grains <.05 mm), fairly uniformly disseminated throughout groundmass with some slightly coarser laminae quartz > feldspar.

Sericite; 10%, anhedral (<.01 to .05 mm),  
(a) as single grains oriented in bedding plane.  
(b) microgranular alteration felted dusting of feldspars in groundmass.

Carbonaceous material(?); 20%, anhedral, microgranular dusting, aggregates forming diffuse irregular lensoids/partings along bedding plane.

Reflected light:

Sulphides; <1%, disseminated.

Pyrite: <1%, euhedral/subhedral, (0.02 to mm) widely disseminated. Crystals are zoned, very weakly anisotropic. Anhedral grains with marcasite and as hairline fracture fillings associated with quartz-carbonate vein.

[3] Continued

Chalcopyrite; <<1%, anhedral, (<<.01 to .08 mm) widely disseminated, but most abundant in quartz carbonate veinlet. Noted composite grain of pyrite/marcasite, sphalerite, galena.

Sphalerite; <<1%, anhedral, (0.2 mm), in quartz carbonate veinlet in composite grain with pyrite/marcasite, partly rimmed by chalcopyrite.

Galena; trace, anhedral, (<.01 mm), in same composite grain described above.

[4] C89-7-58 m (Thin section)

Feldspar, mica porphyry

Plagioclase phenocrysts and glomerophenocrysts altered by sericite and carbonate leaving some polysynthetic twinning remnants. Mica phenocrysts partially altered by carbonate and microgranular opaque aggregates leaving shreds of mica (muscovite) following cleavage traces.

Matrix fine interlocking granular K-feldspar partially altered to very fine felted clusters of sericite and with a microgranular semiopaque dusting. Scattered clots of very fine granular aggregates of carbonate.

Stained slab shows high K-feldspar content of matrix. Etching confirms plagioclase phenocrysts. Nonmagnetic. Opaques; 1%, random disseminated.

Transmitted light  
Phenocrysts.

Plagioclase; 30%: (a) euhedral, (to >2.5 mm), single phenocrysts and glomerophenocrysts. Sericitic and carbonate alteration leaving polysynthetic twinning remnants giving indicated composition in albite/low oligoclase range.  
(b) euhedral, (to 0.5 mm), single phenocrysts, weak sericite alteration.

Mica; 10%, euhedral, (to >1.5 mm), altered by carbonate and microgranular opaque aggregates in cleavage plane leaving ragged muscovite remnants. Pale brownish colour in hand specimen, clear mica remnants in thin section.

Apatite; trace

Groundmass:

K-feldspar; 50%, anhedral, (.01 to 0.1 mm, generally about .05 mm), irregular, interlocking. Confirmed by stained slab. Dusting by minute/microgranular reddish brown alteration, with felted clusters of very fine sericite, and small clots of carbonate.

Opaques: 1%, disseminated sulphides (pyrite).

Alteration; percentage included with host minerals.

Sericite; alteration of plagioclase (with sericite) and alteration of mica, with semiopaque microgranular dustings. Clusters of grains in matrix.

Carbonate; alteration of plagioclase and mica, scattered clots in matrix.

[4] Continued

Semi opaque microgranular aggregate alteration in mica.

Red brown dusting of K-feldspar matrix.

[5] C89-9-243 m (Polished thin section)

Intense sericite/illite-carbonate altered quartz impregnated andesite(?).

The original rock textures have been largely obliterated by alteration. Locally shows randomly oriented alteration pseudomorphs after small plagioclase phenocrysts set in a finer grained/fragmental?, interlocking altered feldspathic (with very minor quartz) groundmass. Alteration consists of sericite (and lesser carbonate) pseudomorphous after plagioclase phenocrysts, with clots of sericite-carbonate alteration of the feldspathic groundmass.

Quartz and late carbonate veining with local impregnation of the groundmass by quartz.

Stained slab does not indicate K-feldspar.

Nonmagnetic. Opaques; <5%, pyrite, hematite.

Transmitted light

Phenocrysts:

Altered feldspar; 20%, euhedral/subhedral, (to 0.7 mm), fine granular sericite and carbonate pseudomorphs.

Altered mafics; not identified.

Groundmass

Altered feldspar; 60%, anhedral (<.01 to 0.05 mm) diffuse green outlines by sericite-carbonate with feldspar remnants throughout.

Quartz; <10%, anhedral, (0.02 to 0.1 mm), very irregular grains, diffuse outlines. Occurs mainly as unaltered isolated grains with diffuse margins but clusters of grains occur locally suggesting impregnation

Altered mafics; not identified.

Alteration: percentages included with altered materials

Sericite/illite;

Carbonate:

Reflected light

Opaques <10%,

Sulphides are disseminated throughout groundmass. Veins are barren.



[5] Continued

Pyrite; <5%, euhedral/subhedral, (<.01 to 0.35 mm), single grains and clusters of grains, disseminated throughout groundmass.

Hematite; <5%, anhedral, (<.01 to .03 mm), disseminated throughout groundmass.

Chalcopyrite; traces, anhedral, (<.01 mm), minute grains or clusters of grains disseminated in groundmass.

Sphene/leucoxene

[6] C89-9-246 m (Thin section)

Chlorite, carbonate, sericite altered feldspar amphibole porphyritic andesite.

Phenocrysts are comprised of two size ranges of pseudomorphs of granular carbonate after plagioclase and fine grained acicular randomly oriented, altered amphibole. These phenocrysts are set in an altered matrix composed of fine grained interlocking altered feldspar with very minor scattered irregular grains of quartz. The matrix is altered by a mixture of sericite and chlorite with abundant irregular small clots of carbonate scattered throughout.

Stained slab indicates no K-feldspar.

Nonmagnetic; <5% opaques.

Transmitted light

Phenocrysts

Altered plagioclase; 20%, euhedral/subhedral, two sizes (a) coarse, (to 3.0 mm), and (b) fine, (to 0.3 mm). Both have been completely altered to carbonate (with lesser sericite and chlorite) pseudomorphs

Altered amphibole; <10%, euhedral/subhedral, (to 0.8 mm), acicular/long prismatic. Altered to pseudomorphs of mica, chlorite and carbonate. These former amphibole phenocrysts are uniformly scattered throughout the groundmass.

Matrix

Feldspar (plagioclase); 65%, anhedral, (<.01 to 0.2 mm), irregular interlocking grains accompanied by abundant sericite and chlorite clusters and small clots of carbonate alteration.

Quartz; <<1%, anhedral (to 0.1 mm), very widely scattered grains, unaltered.

Alteration: almost complete alteration of primary minerals with remnant feldspar remaining in matrix.

Carbonate

Sericite

Chlorite

Opagues; <5%, anhedral, (0.1 to 0.05 mm), evenly disseminated single grains and clusters of grains.

[7] C89-10-53 m (Polished thin section)  
Porphyritic/seriate plagioclase hornblende andesite

Coarse subhedral plagioclase and hornblende phenocrysts in a finer grained plagioclase and hornblende interlocking to felted matrix. Lithic fragments.

Altered by irregular/diffuse clots of carbonate, some of which with sericite replaces plagioclase and some with chlorite replacing hornblende.

Stained slab shows no significant K-feldspar. Magnetic. Opaque minerals include: pyrite/marcasite, pyrrhotite, chalcopyrite.

Transmitted light  
Phenocrysts/ coarser grain sizes

Plagioclase; 15%, subhedral, (to 1.0 mm), strong carbonate (lesser sericite) alteration, remnant polysynthetic twinning indicates composition in andesine range.

Augite/diospside; trace, anhedral, (to 0.15 mm) remnant augite grains in carbonate pseudomorph after hornblende; as diopside alteration of hornblende with carbonate?

Hornblende; 20%, euhedral, (to 2.5 mm), green pleochroic. Local partial alteration to secondary more acicular/fibrous amphiboles. Partial alteration to carbonate, lesser chlorite.

Lithic fragments; (to several mm), similar mineralogy (plagioclase and hornblende) generally as patches of finer grained texture. Difficultly discernable because of strong carbonate alteration

Groundmass

Plagioclase; 40%, anhedral, (0.1 to 0.3 mm), felted texture with fine hornblende. Carbonate clots, minor sericite alteration.

Hornblende; 20%, subhedral, (<.01 to 0.3 mm), felted texture with fine plagioclase. Alteration to secondary amphibole (acicular/fibrous), carbonate, lesser chlorite.

Alteration: estimated percentages included in host minerals.

Carbonate; abundant strong carbonate clots in altered phenocrysts and groundmass plagioclase and hornblende.

Chlorite; minor, associated with carbonate and secondary acicular amphibole in altered hornblende.

[7] Continued

Amphibole; minor, associated with carbonate and chlorite in altered hornblende.

Impregnation and veining:

Carbonate with minor quartz and associated sulphides.

Reflected light

Opaque; 5%, very irregular aggregates of grains, (to >1.0 mm), associated with diffuse veins/impregnations of quartz and carbonate.

Sulphides:

Pyrite/marcasite; <2%, subhedral/anhedral, (<.01 to very irregular aggregates >2.0 mm), weak anisotropism.

Pyrrhotite; 3%, anhedral, (<.01 to 2.0 mm), irregular clusters of grains and single grains disseminated throughout groundmass.

Chalcopyrite; <<1%, anhedral, (<.01 to .04 mm), as isolated grains or clusters of grains in alteration clots. As coarser grains, (to 0.15 mm), in and rimming pyrrhotite.

[8] C89-10-95 m (Polished thin section)

Breccia composed of hornblende-biotite chlorite hornfels and quartz-amphibole hornfels cemented by carbonate. Sulphides in approximate order of abundance include: pyrite/marcasite, chalcopyrite.

Lithic fragments:

(a) Hornblende-biotite-chlorite-plagioclase-K-feldspar hornfels grades to (d) with decreasing K-feldspar to absent.

Plagioclase; subhedral, (to 0.2 mm, generally less than 0.1 mm), laths, felted with mafic.

K-feldspar; anhedral, (to 0.1 mm), interstitial, very low birefringence, microgranular alteration. Presence indicated by stained slab. Decreases with gradation to finer grained texture to (d).

Altered amphibole; anhedral, (to 0.2 mm, generally less than 0.1 mm), mixed green brown, shredded appearance by alteration. Amphibole, biotite, chlorite alteration mixture.

(b) Quartz, feldspar-amphibole hornfels

Quartz; 50%?, anhedral (<.01 to 1.0 mm), subangular/irregular interlocking grains. In addition to amphibole grains differences in relief suggest presence of feldspar to form groundmass.

Feldspar; 35%?, anhedral (<.01 to 0.05 mm), Presence suspected by differences in relief with quartz, lower birefringence, faint cloudyness [Section appears to be too thin!] Presence indicated by etching among quartz grains on stained slab.

Amphibole; 15%, subhedral (.02 to .05 mm), acicular, disseminated random oriented grains. Note: birefringence lower than should be for amphibole. Alteration to chlorite?

(c) Similar to (b) with more abundant subrounded quartz grains (to 0.1 mm) in a very fine granular feldspathic matrix. Altered amphibole, shredded/fibrous appearance.

(d) Similar to (a) with much finer grained felted texture. No K-feldspar detected.

Breccia matrix:

Carbonate, very minor coarse grained quartz.

[8] Continued

Opagues:

Sulphides:

Pyrite/marcasite; 2%, euhedral/subhedral, (<.01 to 0.8 mm), as single or aggregates of grains, generally within breccia fragments, very little in breccia matrix.

Chalcopyrite; traces, anhedral, (<.01 to .05 mm) as minute isolated grains in gangue and as coarser grains associated with pyrite/marcasite.

[9] C89-10-132 m (Polished thin section)

Layered (silty argillite) amphibole hornfels.

The rock is composed of a groundmass of fine grained quartz, plagioclase, feldspar, and amphibole. Bedding shows some differences in grain-size and relative mineral abundance.

The groundmass is impregnated by diffuse patches of segregated clots and fine mixtures of "skarn" minerals, quartz, plagioclase and K-feldspars accompanied by scattered coarse sulphides. In addition the rock is cut by diffuse and regular walled veins of feldspars, quartz and "skarn" minerals.

Opaque minerals include: pyrite/marcasite, pyrrhotite, chalcopyrite.

Transmitted light  
Groundmass

Quartz; 30%, anhedral granular, (<.01 to 0.1 mm, most grains <.05 mm) irregular. Layered; showing some differences in abundance and grain size between layers.

Feldspar (plagioclase); 50%, anhedral granular, (<.01 to .03 mm) generally microgranular dusting of reddish brown alteration. No twinning. Evident by differences in relief with quartz also by etching of stained slab.

Amphibole; 20%, anhedral acicular (to 0.1 mm, generally <.05 mm), weak green pleochroism, fibrous/shredded appearance clusters of radiating grains evenly disseminated throughout groundmass.

Impregnations;

(a) Large skarn patches formed by clots of segregated:

- epidote
- carbonate
- chlorite
- green mica
- feldspar (stained slab indicates presence of both plagioclase and K-feldspar.)
- garnet
- sulphides

(b) Large skarn patches formed by mixtures of fine granular:  
diopside (requires confirmation)  
green mica  
carbonate

(c) Impregnation by K-feldspar as confirmed by stained slab.

[9] Continued

Veins regular walled and diffuse

(a) Plagioclase, etched in stained slab, forms a diffuse alteration network in incipient fractures.

(b) Quartz-carbonate-diffuse and distinct walls.

(c) Epidote-diopside extensions from skarn zones, distinct walls.

Reflected light

Sulphides; >5%, pyrite/marcasite, pyrrhotite, chalcopyrite.

Pyrite/marcasite; 3%, subhedral/anhedral, (<.01 to aggregate masses >3.0 mm), associated with lesser pyrrhotite and chalcopyrite. Contains small blebs of pyrrhotite and chalcopyrite. Weakly pleochroic. Coarser mineralization is associated with diffuse veins and impregnation.

Pyrrhotite; 2%, anhedral, (<.01 to aggregate masses to >2.0 mm), associated with pyrite/marcasite. Coarser mineralization is associated with diffuse veins and impregnations.

Chalcopyrite; <<1%, anhedral, (<.01 to 0.15 mm) as minute isolated disseminated grains or small clusters of grains in diffuse veins. As coarser grains associated with pyrite/marcasite and pyrrhotite in diffuse veins and impregnations.



[101 C89-10-138 m (Polished thin section)

Metasiltstone; biotite amphibole hornfels. Crackled quartz (minor K-feldspar) veining and impregnation.

The groundmass is composed of very fine grained quartz and feldspar with evenly disseminated fine clusters of secondary biotite, (lesser amphibole accompanied by carbonate), which gives the rock a brownish colour.

The rock has been crackle brecciated and diffusely veined by quartz; followed by plagioclase (minor k-feldspar) which formed diffuse veins which permeated out into the wallrock.

Stained slab indicates no K-feldspar. Etching indicates significant plagioclase content.

Magnetic.

Sulphides; <5%, in approximate order of abundance are pyrrhotite, pyrite, chalcopryrite.

Transmitted light  
Groundmass

Quartz; 25%, anhedral, (<.01 to 0.05 mm, generally <.05 mm), irregular grains.

Feldspar (plagioclase); 45%, anhedral, (<.01 to 0.03 mm), irregular grains. Etching of stained slab indicates plagioclase >> than quartz in groundmass. Differences in relief suggest high feldspar content as compared to quartz.

Biotite; 20%, anhedral, (<.01 to .03 mm), as clusters of platy grains evenly disseminated throughout groundmass. (Secondary, metamorphic).

Amphibole; 10%, anhedral, (<.05 to 0.1 mm), acicular radiating, occurs in association with feldspar impregnation. (Secondary, metamorphic, impregnation)

Impregnation/veining

Quartz; crackle brecciation infilling by granular quartz, (to 0.1 mm), forming diffuse veins generally no more than a grain or two wide but locally has impregnated and enriched the surrounding hornfels host.

Feldspar; followed quartz veining, forms very fine granular (<.01 to .02 mm), diffuse veins (0.1 mm) to diffuse impregnated patches, (to a cm wide), following crackle brecciation. The feldspar appears as a "dusty", altered, diffuse network through the hornfels host. In hand specimen the impregnated zones are hard "siliceous appearing" but etch readily as

[10] Continued

seen on stained slab. (Earlier quartz is unaffected by etching). The stained slab also indicates presence of minor K-feldspar. The feldspar grains are too small for optical determination, lack twinning and are obscured by alteration dusting, but could be confirmed by microprobe.

Amphibole; bladed radiating amphibole clusters are associated with or are in close proximity to feldspar impregnations.

Reflected light.

Pyrrhotite; 2%, anhedral, (<.01 to 0.4 mm), generally very irregular grains, (few grains cubic outline but pinkish yellow cream colour and highly anisotropic). Magnetic. Disseminated throughout matrix.

Chalcopyrite; <<1%, anhedral, (<.01 to .05 mm) Associated with pyrrhotite or as free grains in matrix.

Pyrite; <1%, euhedral (<.01 to .05 mm), isotropic. Sparsely disseminated through matrix.

[11] C89-10-204 m

#### Hornblende diorite

Medium crystalline, composed of subhedral grains of plagioclase, hornblende and biotite. Plagioclase is partially altered to sericite with minor carbonate and shows strong microgranular red-brown alteration dusting. Hornblende, containing some augite remnants, is weakly altered to secondary amphibole and chlorite. Biotite laths are strongly altered to chlorite.

Stained slab shows no K-feldspar.

Weakly magnetic with sulphides consisting of pyrite and traces of chalcopyrite and oxides including hematite and very minor magnetite.

#### Transmitted light

Plagioclase; 30%, subhedral, (to >1.0 mm), interlocking crystals with hornblende, etc. Microgranular sericite, chlorite, carbonate alteration. Strong reddish brown alteration dusting. Remnant twinning indicates composition in low andesine range.

Hornblende; 45%, subhedral, (to 3.0 mm), interlocking crystals with plagioclase, etc. Some grains remnant augite grains, Some chloritic alteration and secondary fibrous amphibole. A few grains with poikilitic texture enclosing plagioclase.

Augite; <1%, anhedral, (to 0.2 mm), grain remnants of former augite crystals in hornblende.

Biotite; 10%,

(a) bladed, (to 0.8 mm), biotite remnants with chlorite interlamination (lensoids) along cleavage plane.

(b) felted clots of very fine grains, (<.01 mm), close association with hornblende.

(c) diffuse fine granular clots associated with plagioclase.

#### Accessories

Apatite; <1%, subhedral, (to 0.2 mm), associated with altered biotite.

#### Alteration:

Chlorite; <5%, anhedral, (to 0.2 mm), bladed, alteration of biotite

[11] Continued

Carbonate; <5%, anhedral () clusters of grains with sericite, alteration of plagioclase.

Sericite; <5%, anhedral, (<.01 to 0.02 mm), clusters of grains, alteration of plagioclase with diffuse biotite clusters. Associated with red-brown alteration dusting.

Actinolite; <1%, anhedral, (0.2 mm), acicular/fibrous, bright green pleochroism, angular extinction.

Reflected light:

Sulphides:

Pyrite; 1%, euhedral, (<.01 to 1.0 mm). Disseminated, isolated and aggregates of grains. Weak anisotropism.

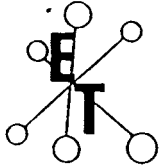
Chalcopyrite; <<1%, anhedral, (<.01 to .03 mm), in clusters of a few grains widely scattered throughout matrix.

Oxides:

Hematite; 1%, subhedral, (<.01 to .3 mm) anisotropic.

Magnetite; <1%, subhedral, (<.01 to 0.1 mm) isotropic.

APPENDIX 3  
ASSAY CERTIFICATES



Canibro

# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

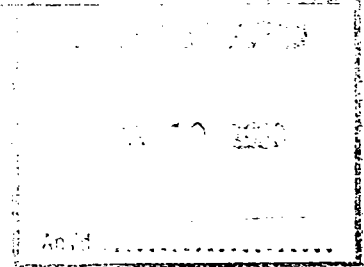
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 8, 1989

## CERTIFICATE OF ANALYSIS ETK 89-501

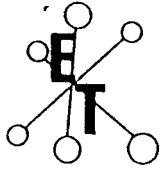
Corona Corporation  
1440, 800 West Pender Street  
VANCOUVER, B.C.  
V6C 2V6

Attention: MARK TINDALL



SAMPLE IDENTIFICATION: 86 CORE & ROCK SAMPLES RECEIVED JULY 26, 1989  
----- PROJECT NO. 8120 - P.O.# 89-0114  
SHIPMENT #1

ET#	Description	Au (ppb)
501 - 1	61501	20
501 - 2	61502	<5
501 - 3	61503	15
501 - 4	61504	5
501 - 5	61505	10
501 - 6	61506	90
501 - 7	61507	10
501 - 8	61508	30
501 - 9	61509	130
501 - 10	61510	240
501 - 11	61511	80
501 - 12	61512	5
501 - 13	61513	15
501 - 14	61514	10
501 - 15	61515	130
501 - 16	61516	<5
501 - 17	61517	15
501 - 18	61518	30
501 - 19	61519	10
501 - 20	61520	<5
501 - 21	61521	10
501 - 22	61522	10
501 - 23	61523	85
501 - 24	61524	10
501 - 25	61525	<5
501 - 26	61526	10
501 - 27	61527	15
501 - 28	61528	5
501 - 29	61529	10
501 - 30	61530	<5



# ECO-TECH LABORATORIES LTD.

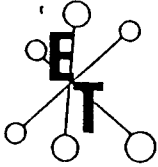
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

AUGUST 8, 1989

ET#	Description	Au (ppb)	Au (g/t)	Au (oz/t)
501 - 31	61531	<5		
501 - 32	61532	10		
501 - 33	61533	<5		
501 - 34	61534	5		
501 - 35	61535	10		
501 - 36	61536	5		
501 - 37	61537	<5		
501 - 38	61538	5		
501 - 39	61539	5		
501 - 40	61540	<5		
501 - 41	61541	10		
501 - 42	61542	15		
501 - 43	61543	20		
501 - 44	61544	<5		
501 - 45	61545	<5		
501 - 46	61546	10		
501 - 47	61547	85		
501 - 48	61548	10		
501 - 49	61549	110		
501 - 50	61550	30		
501 - 51	61551	520		
501 - 52	61552	45		
501 - 53	61553	10		
501 - 54	61554	5		
501 - 55	61555	<5		
501 - 56	61556	15		
501 - 57	61557	10		
501 - 58	61558	5		
501 - 59	61559	20		
501 - 60	61560	15		
501 - 61	61561	5		
501 - 62	61562	15		
501 - 63	61563	25		
501 - 64	61564	10		
501 - 65	61565	35		
501 - 66	61566	20		
501 - 67	61567	15		
501 - 68	61568	50		
501 - 69	61569	15		
501 - 70	61570	30		
501 - 71	61571	420		
501 - 72	61572	565		
501 - 73	61573	>1000	1.42	.041
501 - 74	61574	185		
501 - 75	61575	365		



# ECO-TECH LABORATORIES LTD.

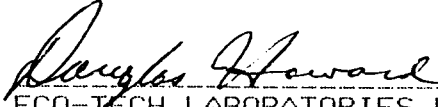
ASSAYING - ENVIRONMENTAL TESTING  
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

AUGUST 8, 1989

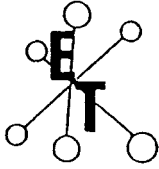
ET#	Description	Au (ppb)
501 - 76	61576	15
501 - 77	61577	25
501 - 78	61578	255
501 - 79	61579	10
501 - 80	61580	350
501 - 81	89 C-MR 001	5
501 - 82	89 C-MR 002	35
501 - 83	GR 89 20	560

NOTE: > = MORE THAN  
\* SAMPLE SCREENED & METALLICS ASSAYED

  
ECO-TECH LABORATORIES LTD.  
DOUG HOWARD  
B.C. Certified Assayer

FAX: MARK TINDALL - VCR  
cc: CORONA CORPORATION  
GENERAL DELIVERY  
LIKELY, B.C.  
ATTENTION: GARY ROSTE





Cariboo

# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING  
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 14, 1989

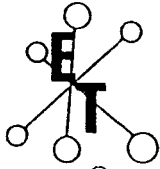
CERTIFICATE OF ANALYSIS ETK 89-530

Corona Corporation  
1440, 800 West Pender Street  
VANCOUVER, B.C.  
V6C 2V6

Attention: TONY RANSOM

SAMPLE IDENTIFICATION: 68 SPLIT CORE/ROCK SAMPLES RECEIVED JULY 31, 1989  
----- PROJECT NO. 8120  
P.O. NO.: 89-0120

ET#	Description	Au (ppb)
530 - 1	61581	5
530 - 2	61582	<5
530 - 3	61583	<5
530 - 4	61584	40
530 - 5	61585	20
530 - 6	61586	30
530 - 7	61587	5
530 - 8	61588	<5
530 - 9	61589	<5
530 - 10	61590	5
530 - 11	61591	<5
530 - 12	61592	<5
530 - 13	61593	170
530 - 14	61594	<5
530 - 15	61595	5
530 - 16	61596	5
530 - 17	61597	45
530 - 18	61598	20
530 - 19	61599	200
530 - 20	61600	30
530 - 21	61601	<5
530 - 22	61602	15
530 - 23	61603	20
530 - 24	61604	<5
530 - 25	61605	<5
530 - 26	61606	5
530 - 27	61607	<5
530 - 28	61608	5
530 - 29	61609	5
530 - 30	61610	<5



Corona Corporation

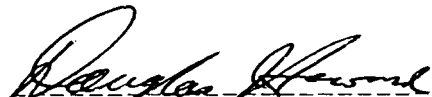
# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING  
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

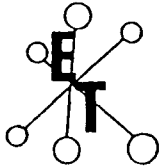
AUGUST 14, 1989

ET#	Description	Au (ppb)
530 - 31	61611	55
530 - 32	61612	<5
530 - 33	61613	20
530 - 34	61614	15
530 - 35	61615	20
530 - 36	61616	5
530 - 37	61617	15
530 - 38	61618	65
530 - 39	61619	<5
530 - 40	61620	15
530 - 41	61621	5
530 - 42	61622	75
530 - 43	61623	95
530 - 44	61624	30
530 - 45	61625	25
530 - 46	61626	25
530 - 47	61627	45
530 - 48	61628	15
530 - 49	61629	40
530 - 50	61630	20
530 - 51	61631	10
530 - 52	61632	<5
530 - 53	61633	10
530 - 54	61634	25
530 - 55	61635	<5
530 - 56	61636	10
530 - 57	61637	10
530 - 58	61638	55
530 - 59	61639	<5
530 - 60	61640	10
530 - 61	61641	25
530 - 62	61642	30
530 - 63	61643	100
530 - 64	61644	50
530 - 65	61645	105
530 - 66	61646	5
530 - 67	PL SR 001	10
530 - 68	GR 89 21	20

NOTE: < = LESS THAN

  
 ECO-TECH LABORATORIES LTD.  
 DOUG HOWARD  
 B.C. Certified Assayer

FAX: MARK TINDALL  
 cc: CORONA CORPORATION  
 GENERAL DELIVERY  
 LIKELY, B.C.  
 ATTENTION: GARY ROSTE  
 SC89/8120



# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING  
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 21, 1989

## CERTIFICATE OF ANALYSIS ETK 89-566

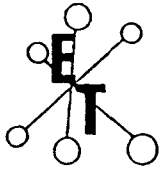
-----

Corona Corporation  
1440, 800 West Pender Street  
VANCOUVER, B.C.  
V6C 2V6

Attention: MARK TINDALL

SAMPLE IDENTIFICATION: 49 SPLIT CORE samples received August 8, 1989  
----- PROJECT NO. 8120 - P.O. NO. 89-0136

ET#	Description	Au (ppb)
566 - 1	61647	30
566 - 2	61648	20
566 - 3	61649	15
566 - 4	61650	15
566 - 5	61651	15
566 - 6	61652	15
566 - 7	61653	40
566 - 8	61654	60
566 - 9	61655	25
566 - 10	61656	20
566 - 11	61657	30
566 - 12	61658	80
566 - 13	61659	40
566 - 14	61660	20
566 - 15	61661	15
566 - 16	61662	35
566 - 17	61663	25
566 - 18	61664	25
566 - 19	61665	30
566 - 20	61666	45
566 - 21	61667	30
566 - 22	61668	15
566 - 23	61669	25
566 - 24	61670	20
566 - 25	61671	15
566 - 26	61672	20
566 - 27	61673	10
566 - 28	61674	55
566 - 29	61675	50
566 - 30	61676	60



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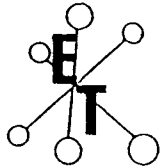
Corona Corporation

AUGUST 21, 1989

ET#	Description	Au (ppb)
566 - 31	61677	15
566 - 32	61678	25
566 - 33	61679	15
566 - 34	61680	10
566 - 35	61681	20
566 - 36	61682	10
566 - 37	61683	25
566 - 38	61684	10
566 - 39	61685	20
566 - 40	61686	75
566 - 41	61687	10
566 - 42	61688	10
566 - 43	61689	15
566 - 44	61690	10
566 - 45	61691	10
566 - 46	61692	35
566 - 47	61693	20
566 - 48	61694	65
566 - 49	61695	15

ECO-TECH LABORATORIES LTD.  
DOUG HOWARD  
B.C. Certified Assayer

cc: Corona Corporation  
GENERAL DELIVERY  
LIKELY, B.C.  
ATTENTION: GARY ROSTE  
SC89/8120



*Carbo*

# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

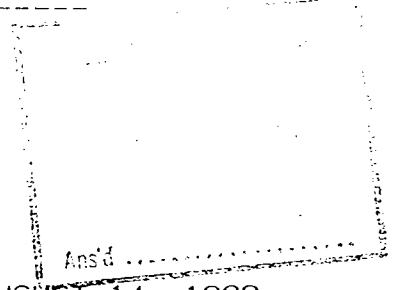
AUGUST 28, 1989

## CERTIFICATE OF ANALYSIS ETK 89-608

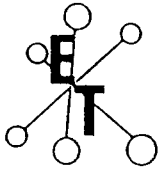
Corona Corporation  
1440, 800 West Pender Street  
VANCOUVER, B.C.  
V6C 2V6

Attention: TONY RANSOM

SAMPLE IDENTIFICATION: 124 CORE SAMPLES RECEIVED AUGUST 14, 1989  
-----  
PROJECT: 8120  
P.O. NO.: 89-0154



ET#	Description	Au (ppb)
608 - 1	61696	<5
608 - 2	61697	5
608 - 3	61698	10
608 - 4	61699	<5
608 - 5	61700	25
608 - 6	61701	65
608 - 7	61702	75
608 - 8	61703	10
608 - 9	61704	35
608 - 10	61705	<5
608 - 11	61706	<5
608 - 12	61707	10
608 - 13	61708	10
608 - 14	61709	25
608 - 15	61710	25
608 - 16	61711	10
608 - 17	61712	45
608 - 18	61713	40
608 - 19	61714	15
608 - 20	61715	20
608 - 21	61716	45
608 - 22	61717	870
608 - 23	61718	375
608 - 24	61719	390
608 - 25	61720	95
608 - 26	61721	10
608 - 27	61722	<5
608 - 28	61723	5
608 - 29	61724	15
608 - 30	61725	5



# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

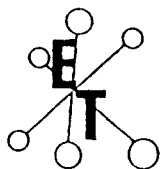
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

AUGUST 28, 1989

ET#	Description	Au (ppb)	Au (g/t)	Au (oz/t)
608 - 31	61726	<5		
608 - 32	61727	5		
608 - 33	61728	10		
608 - 34	61729	20		
608 - 35	61730	<5		
608 - 36	61731	5		
608 - 37	61732	10		
608 - 38	61733	<5		
608 - 39	61734	<5		
608 - 40	61735	10		
608 - 41	61736	<5		
608 - 42	61737	15		
608 - 43	61738	<5		
608 - 44	61739	30		
608 - 45	61740	<5		
608 - 46	61741	<5		
608 - 47	61742	<5		
608 - 48	61743	20		
608 - 49	61744	10		
608 - 50	61745	85		
608 - 51	61746	10		
608 - 52	61747	<5		
608 - 53	61748	<5		
608 - 54	61749	15		
608 - 55	61750	10		
608 - 56	61751	10		
608 - 57	61752	35		
608 - 58	61753	5		
608 - 59	61754	15		
608 - 60	61755	10		
608 - 61	61756	5		
608 - 62	61757	15		
608 - 63	61758	20		
608 - 64	61759	> 1000	1.03	.030
608 - 65	61760	35		
608 - 66	61761	10		
608 - 67	61762	15		
608 - 68	61763	10		
608 - 69	61764	20		
608 - 70	61765	130		
608 - 71	61766	15		
608 - 72	61767	10		
608 - 73	61768	10		
608 - 74	61769	15		
608 - 75	61770	20		

  
-----  
Frank J. Pezzotti, Certified Assayer



# ECO-TECH LABORATORIES LTD.

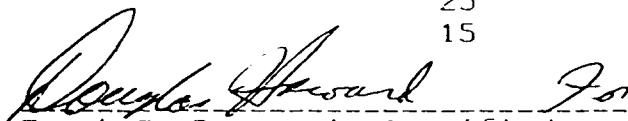
ASSAYING - ENVIRONMENTAL TESTING

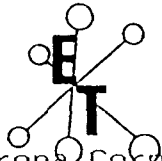
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

AUGUST 28, 1989

ET#	Description	Au (ppb)	Au (g/t)	Au (oz/t)
608 - 76	61771	60		
608 - 77	61772	15		
608 - 78	61773	120		
608 - 79	61774	15		
608 - 80	61775	30		
608 - 81	61776	60		
608 - 82	61777	40		
608 - 83	61778	155		
608 - 84	61779	660		
608 - 85	61780	> 1000	1.16	.034
608 - 86	61781	265		
608 - 87	61782	> 1000	2.08	.061
608 - 88	61783	> 1000	3.97	.116
608 - 89	61784	> 1000	15.47*	.451
608 - 90	61785	> 1000	13.13*	.383
608 - 91	61786	> 1000	3.04	.089
608 - 92	61787	> 1000	3.21	.094
608 - 93	61788	60		
608 - 94	61789	65		
608 - 95	61790	> 1000	1.80	.052
608 - 96	61791	725		
608 - 97	61792	> 1000	1.01	.029
608 - 98	61793	> 1000	2.09	.061
608 - 99	61794	495		
608 - 100	61795	30		
608 - 101	61796	20		
608 - 102	61797	125		
608 - 103	61798	235		
608 - 104	61799	> 1000	3.01	.088
608 - 105	61800	70		
608 - 106	61801	35		
608 - 107	61802	85		
608 - 108	61803	35		
608 - 109	61804	20		
608 - 110	61805	> 1000	2.01	.059
608 - 111	61806	> 1000	1.46	.043
608 - 112	61807	760		
608 - 113	61808	350		
608 - 114	61809	20		
608 - 115	61810	35		
608 - 116	61811	15		
608 - 117	61812	20		
608 - 118	61813	10		
608 - 119	61814	25		
608 - 120	61815	15		

  
-----  
Frank J. Pezzotti, Certified Assayer



**ECO-TECH LABORATORIES LTD.**

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 28, 1989

Corona Corporation

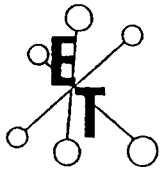
ET#	Description	Au (ppb)	Au (g/t)	Au (oz/t)
608 - 121	61816	5		
608 - 122	61817	> 1000	1.16	.034
608 - 123	61818	110		
608 - 124	61819	105		

NOTE: < = LESS THAN  
 > = GREATER THAN  
 \* SAMPLE SCREENED AND METALLICS ASSAYED

*Douglas Howard*  
 \_\_\_\_\_  
 ECO-TECH LABORATORIES LTD.  
 DOUG HOWARD  
 B.C. Certified Assayer

FAX: VANCOUVER (MARK TINDALL)  
 cc: Corona Corporation  
 GENERAL DELIVERY  
 LIKELY, B.C.  
 ATTENTION: GARY ROSTE  
 SC89/8120





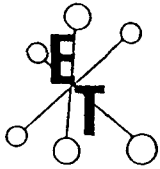
# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

## METALLIC CALCULATION

SAMPLE NUMBER	-140 VALUE	+140 VALUE	CALCULATED VALUE
608-88	4.27	1.687743	3.975703
608-89	16.29	9.221651	15.47011
608-90	13.35	11.80051	13.12855



*Carbo*

# ECO-TECH LABORATORIES LTD.

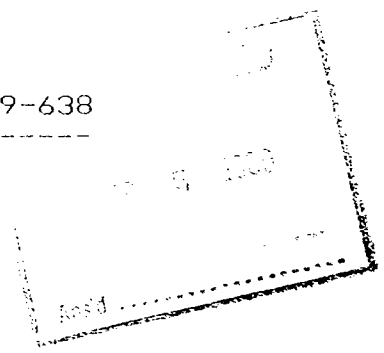
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 30, 1989

## CERTIFICATE OF ANALYSIS ETK 89-638

Corona Corporation  
1440, 800 West Pender Street  
VANCOUVER, B.C.  
V6C 2V6

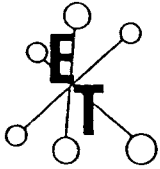


Attention: MARK TINDALL

SAMPLE IDENTIFICATION: 120 CORE SAMPLES RECEIVED AUGUST 21, 1989

PROJECT: 8120  
P.O. NO.: 89-0164

ET#	Description	Au (ppb)
638 - 1	61820	35
638 - 2	61821	5
638 - 3	61822	80
638 - 4	61823	30
638 - 5	61824	190
638 - 6	61825	85
638 - 7	61826	15
638 - 8	61827	5
638 - 9	61828	10
638 - 10	61829	10
638 - 11	61830	5
638 - 12	61831	20
638 - 13	61832	15
638 - 14	61833	15
638 - 15	61834	35
638 - 16	61835	515
638 - 17	61836	25
638 - 18	61837	55
638 - 19	61838	15
638 - 20	61839	10
638 - 21	61840	10
638 - 22	61841	680
638 - 23	61842	<5
638 - 24	61843	<5
638 - 25	61844	10
638 - 26	61845	<5
638 - 27	61846	<5
638 - 28	61847	<5
638 - 29	61848	<5
638 - 30	61849	<5



# ECO-TECH LABORATORIES LTD.

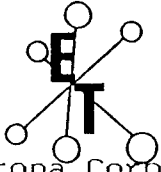
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

AUGUST 30, 1989

ET#	Description	Au (ppb)
638 - 31	61850	5
638 - 32	61851	<5
638 - 33	61852	<5
638 - 34	61853	40
638 - 35	61854	<5
638 - 36	61855	<5
638 - 37	61856	15
638 - 38	61857	<5
638 - 39	61858	<5
638 - 40	61859	<5
638 - 41	61860	25
638 - 42	61861	5
638 - 43	61862	<5
638 - 44	61863	115
638 - 45	61864	5
638 - 46	61865	5
638 - 47	61866	5
638 - 48	61867	70
638 - 49	61868	135
638 - 50	61869	5
638 - 51	61870	<5
638 - 52	61871	5
638 - 53	61872	<5
638 - 54	61873	5
638 - 55	61874	5
638 - 56	61875	5
638 - 57	61876	20
638 - 58	61877	<5
638 - 59	61878	<5
638 - 60	61879	<5
638 - 61	61880	10
638 - 62	61881	5
638 - 63	61882	<5
638 - 64	61883	10
638 - 65	61884	5
638 - 66	61885	<5
638 - 67	61886	<5
638 - 68	61887	<5
638 - 69	61888	10
638 - 70	61889	<5
638 - 71	61890	<5
638 - 72	61891	5
638 - 73	61892	5
638 - 74	61893	175
638 - 75	61894	5



# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

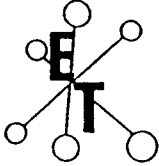
AUGUST 30, 1989

ET#	Description	Au (ppb)	Au (g/t)	Au (oz/t)
638 - 76	61895	<5		
638 - 77	61896	<5		
638 - 78	61897	10		
638 - 79	61898	<5		
638 - 80	61899	<5		
638 - 81	61900	35		
638 - 82	61901	5		
638 - 83	61902	5		
638 - 84	61903	<5		
638 - 85	61904	<5		
638 - 86	61905	<5		
638 - 87	61906	<5		
638 - 88	61907	<5		
638 - 89	61908	<5		
638 - 90	61909	<5		
638 - 91	61910	5		
638 - 92	61911	10		
638 - 93	61912	<5		
638 - 94	61913	<5		
638 - 95	61914	<5		
638 - 96	61915	<5		
638 - 97	61916	<5		
638 - 98	61917	<5		
638 - 99	61918	10		
638 - 100	61919	50		
638 - 101	61920	<5		
638 - 102	61921	5		
638 - 103	61922	20		
638 - 104	61923	45		
638 - 105	61924	<5		
638 - 106	61925	<5		
638 - 107	61926	5		
638 - 108	61927	<5		
638 - 109	61928	> 1000	1.19	.035
638 - 110	61929	<5		
638 - 111	61930	<5		
638 - 112	61931	<5		
638 - 113	61932	5		
638 - 114	61933	30		
638 - 115	61934	<5		
638 - 116	61935	5		
638 - 117	61936	5		
638 - 118	61937	10		
638 - 119	61938	<5		
638 - 120	61939	5		

NOTE: < = less than  
> = greater than

*Douglas Howard*  
ECO-TECH LABORATORIES LTD.  
DOUG HOWARD  
B.C. CERTIFIED ASSAYER

cc: Corona Corporation  
GENERAL DELIVERY  
LIKELY, B.C.  
ATTENTION: GARY POSTE



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ASSAYING - ENVIRONMENTAL TESTING  
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

SEPTEMBER 11, 1989

## CERTIFICATE OF ANALYSIS ETK 89-662

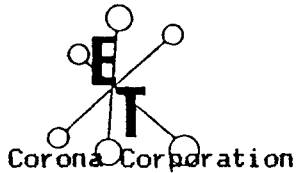
---

Corona Corporation  
1440, 800 West Pender Street  
VANCOUVER, B.C.  
V6C 2V6

Attention: TONY RANSOM

SAMPLE IDENTIFICATION: 226 SPLIT CORE SAMPLES RECEIVED AUGUST 28,  
PROJECT NO. 8120 P.O. #0166

ET#	Description	Au (ppb)
662 - 1	61940	5
662 - 2	61941	10
662 - 3	61942	5
662 - 4	61943	5
662 - 5	61944	10
662 - 6	61945	5
662 - 7	61946	5
662 - 8	61947	5
662 - 9	61948	10
662 - 10	61949	15
662 - 11	61950	5
662 - 12	61951	10
662 - 13	61952	5
662 - 14	61953	10
662 - 15	61954	10
662 - 16	61955	5
662 - 17	61956	5
662 - 18	61957	5
662 - 19	61958	10
662 - 20	61959	10
662 - 21	61960	20
662 - 22	61961	50
662 - 23	61962	70
662 - 24	61963	60
662 - 25	61964	15
662 - 26	61965	10
662 - 27	61966	15
662 - 28	61967	60
662 - 29	61968	20
662 - 30	61969	15



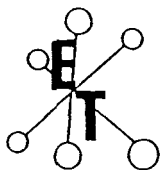
# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

SEPTEMBER 11, 1989

ET#	Description	Au (ppb)
662 - 31	61970	10
662 - 32	61971	10
662 - 33	61972	5
662 - 34	61973	50
662 - 35	61974	5
662 - 36	61975	10
662 - 37	61976	10
662 - 38	61977	10
662 - 39	61978	10
662 - 40	61979	45
662 - 41	61980	20
662 - 42	61981	50
662 - 43	61982	5
662 - 44	61983	350
662 - 45	61984	30
662 - 46	61985	5
662 - 47	61986	5
662 - 48	61987	50
662 - 49	61988	10
662 - 50	61989	10
662 - 51	61990	10
662 - 52	61991	15
662 - 53	61992	5
662 - 54	61993	10
662 - 55	61994	15
662 - 56	61995	20
662 - 57	61996	65
662 - 58	61997	25
662 - 59	61998	45
662 - 60	61999	30
662 - 61	62000	20
662 - 62	62001	75
662 - 63	62002	25
662 - 64	62003	35
662 - 65	62004	10
662 - 66	62005	10
662 - 67	62006	15
662 - 68	62007	130
662 - 69	62008	475
662 - 70	62009	140
662 - 71	62010	15
662 - 72	62011	15
662 - 73	62012	190
662 - 74	62013	10
662 - 75	62014	10



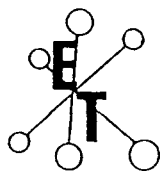
# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING  
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

SEPTEMBER 11, 1989

ET#	Description	Au (ppb)
662 - 76	62015	10
662 - 77	62016	15
662 - 78	62017	45
662 - 79	62018	125
662 - 80	62019	30
662 - 81	62020	25
662 - 82	62021	10
662 - 83	62022	15
662 - 84	62023	5
662 - 85	62024	5
662 - 86	62025	15
662 - 87	62026	10
662 - 88	62027	15
662 - 89	62028	10
662 - 90	62029	10
662 - 91	62030	55
662 - 92	62031	10
662 - 93	62032	10
662 - 94	62033	10
662 - 95	62034	60
662 - 96	62035	5
662 - 97	62036	15
662 - 98	62037	300
662 - 99	62038	20
662 - 100	62039	25
662 - 101	62040	20
662 - 102	62041	20
662 - 103	62042	15
662 - 104	62043	110
662 - 105	62044	15
662 - 106	62045	10
662 - 107	62046	25
662 - 108	62047	10
662 - 109	62048	30
662 - 110	62049	10
662 - 111	62050	15
662 - 112	62051	430
662 - 113	62052	45
662 - 114	62053	45
662 - 115	62054	20
662 - 116	62055	20
662 - 117	62056	35
662 - 118	62057	15
662 - 119	62058	15
662 - 120	62059	55



# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

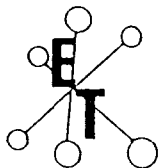
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

SEPTEMBER 11, 1989

ET#	Description	Au (ppb)
662 - 121	62060	10
662 - 122	62061	30
662 - 123	62062	20
662 - 124	62063	15
662 - 125	62064	35
662 - 126	62065	10
662 - 127	62066	55
662 - 128	62067	65
662 - 129	62068	30
662 - 130	62069	30
662 - 131	62070	20
662 - 132	62071	15
662 - 133	62072	15
662 - 134	62073	20
662 - 135	62074	15
662 - 136	62075	50
662 - 137	62076	15
662 - 138	62077	15
662 - 139	62078	85
662 - 140	62079	10
662 - 141	62080	15
662 - 142	62081	10
662 - 143	62082	20
662 - 144	62083	20
662 - 145	62084	15
662 - 146	62085	55
662 - 147	62086	15
662 - 148	62087	10
662 - 149	62088	10
662 - 150	62089	75
662 - 151	62090	35
662 - 152	62091	15
662 - 153	62092	10
662 - 154	62093	15
662 - 155	62094	25
662 - 156	62095	15
662 - 157	62096	125
662 - 158	62097	450
662 - 159	62098	25
662 - 160	62099	15
662 - 161	62100	35
662 - 162	62101	10
662 - 163	62102	15
662 - 164	62103	10
662 - 165	62104	10





# ECO-TECH LABORATORIES LTD.

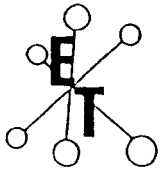
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

SEPTEMBER 11, 1989

ET#	Description	Au (ppb)
662 - 166	62105	10
662 - 167	62106	70
662 - 168	62107	15
662 - 169	62108	40
662 - 170	62109	80
662 - 171	62110	5
662 - 172	62111	10
662 - 173	62112	5
662 - 174	62113	5
662 - 175	62114	5
662 - 176	62115	10
662 - 177	62116	40
662 - 178	62117	20
662 - 179	62118	15
662 - 180	62119	55
662 - 181	62120	15
662 - 182	62121	15
662 - 183	62122	35
662 - 184	62123	50
662 - 185	62124	20
662 - 186	62125	20
662 - 187	62126	155
662 - 188	62127	45
662 - 189	62128	20
662 - 190	63001	5
662 - 191	63002	10
662 - 192	63003	5
662 - 193	63004	5
662 - 194	63005	5
662 - 195	63006	5
662 - 196	63007	10
662 - 197	63008	5
662 - 198	63009	5
662 - 199	63010	10
662 - 200	63011	5
662 - 201	63012	5
662 - 202	63013	10
662 - 203	63014	10
662 - 204	63015	10
662 - 205	63016	10
662 - 206	63017	10
662 - 207	63018	10
662 - 208	63019	5
662 - 209	63020	5
662 - 210	63021	5



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ASSAYING - ENVIRONMENTAL TESTING

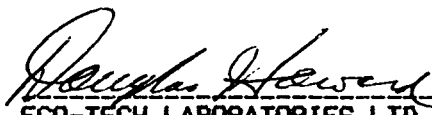
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

SEPTEMBER 11, 1989

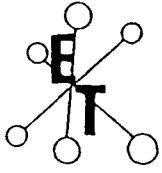
ET#	Description	Au (ppb)
662 - 211	63022	10
662 - 212	63023	5
662 - 213	63024	5
662 - 214	63025	15
662 - 215	63026	5
662 - 216	63027	5
662 - 217	63028	10
662 - 218	63029	5
662 - 219	63030	5
662 - 220	63031	5
662 - 221	63032	10
662 - 222	63033	5
662 - 223	63034	5
662 - 224	63035	5
662 - 225	63036	10
662 - 226	63037	5

NOTE: < = LESS THAN

  
ECO-TECH LABORATORIES LTD.  
Doug Howard  
B.C. Certified Assayer

SC89/8120

Carlo



**ECO-TECH LABORATORIES LTD.**

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10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

SEPTEMBER 13, 1989

**CERTIFICATE OF ANALYSIS ETK 89-700**

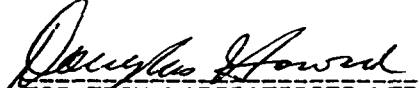
Corona Corporation  
1440, 800 West Pender Street  
VANCOUVER, B.C.  
V6C 2V6

Attention: MARK TINDALL

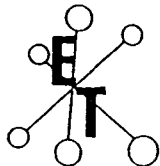
SAMPLE IDENTIFICATION: 11 CORE SAMPLES RECEIVED SEPTEMBER 6, 1989  
----- PROJECT NO. 8120 - P.O.# 0195

ET#	Description	Au (ppb)
700 - 1	62129	35
700 - 2	62130	15
700 - 3	62131	40
700 - 4	62132	10
700 - 5	62133	15
700 - 6	62134	15
700 - 7	62135	30
700 - 8	62136	10
700 - 9	62137	10
700 - 10	62138	35
700 - 11	62139	20

cc: CORONA CORPORATION  
GENERAL DELIVERY  
LIKELY, B.C.  
ATTN: CHRIS MCATEE  
FAX: CORONA, VCR

  
ECO-TECH LABORATORIES LTD.  
Doug Howard  
B.C. Certified Assayer

SC89/8120



*Cariboo*

# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

SEPTEMBER 14, 1989

CERTIFICATE OF ANALYSIS ETK 89-699

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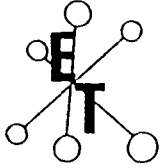
Corona Corporation  
1440, 800 West Pender Street  
VANCOUVER, B.C.  
V6C 2V6

SEP 18

Attention: MARK TINDALL

SAMPLE IDENTIFICATION: 332 CORE SAMPLES RECEIVED SEPTEMBER 6, 1989  
----- PROJECT NO. 8120 - P.O.# 0193

ET#	Description	Au (ppb)
699 - 1	63038	5
699 - 2	63039	5
699 - 3	63040	5
699 - 4	63041	5
699 - 5	63042	5
699 - 6	63043	5
699 - 7	63044	10
699 - 8	63045	5
699 - 9	63046	10
699 - 10	63047	15
699 - 11	63048	20
699 - 12	63049	55
699 - 13	63050	10
699 - 14	63051	10
699 - 15	63052	5
699 - 16	63053	5
699 - 17	63054	5
699 - 18	63055	5
699 - 19	63056	10
699 - 20	63057	5
699 - 21	63058	5
699 - 22	63059	5
699 - 23	63060	5
699 - 24	63061	5
699 - 25	63062	5
699 - 26	63063	5
699 - 27	63064	20
699 - 28	63065	5
699 - 29	63066	5
699 - 30	63067	5



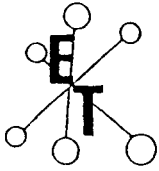
# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING  
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

SEPTEMBER 14, 1989

ET#	Description	Au (ppb)
699 - 31	63068	5
699 - 32	63069	5
699 - 33	63070	5
699 - 34	63071	5
699 - 35	63072	5
699 - 36	63073	<5
699 - 37	63074	5
699 - 38	63075	5
699 - 39	63076	10
699 - 40	63077	5
699 - 41	63078	5
699 - 42	63079	5
699 - 43	63080	5
699 - 44	63081	5
699 - 45	63082	5
699 - 46	63083	5
699 - 47	63084	5
699 - 48	63085	5
699 - 49	63086	5
699 - 50	63087	10
699 - 51	63088	75
699 - 52	63089	25
699 - 53	63090	55
699 - 54	63091	30
699 - 55	63092	15
699 - 56	63093	10
699 - 57	63094	15
699 - 58	63095	5
699 - 59	63096	5
699 - 60	63097	10
699 - 61	63098	5
699 - 62	63099	10
699 - 63	63100	5
699 - 64	63101	5
699 - 65	63102	5
699 - 66	63103	5
699 - 67	63104	5
699 - 68	63105	10
699 - 69	63106	5
699 - 70	63107	20
699 - 71	63108	10
699 - 72	63109	10
699 - 73	63110	20
699 - 74	63111	10
699 - 75	63112	5



# ECO-TECH LABORATORIES LTD.

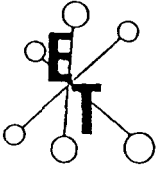
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

SEPTEMBER 14, 1989

ET#	Description	Au (ppb)
699 - 76	63113	5
699 - 77	63114	5
699 - 78	63115	5
699 - 79	63116	5
699 - 80	63117	15
699 - 81	63118	5
699 - 82	63119	10
699 - 83	63120	10
699 - 84	63121	15
699 - 85	63122	10
699 - 86	63123	5
699 - 87	63124	15
699 - 88	63125	5
699 - 89	63126	10
699 - 90	63127	5
699 - 91	63128	10
699 - 92	63129	5
699 - 93	63130	5
699 - 94	63131	10
699 - 95	63132	5
699 - 96	63133	5
699 - 97	63134	5
699 - 98	63135	5
699 - 99	63136	10
699 - 100	63137	10
699 - 101	63138	5
699 - 102	63139	5
699 - 103	63140	20
699 - 104	63141	10
699 - 105	63142	10
699 - 106	63143	10
699 - 107	63144	10
699 - 108	63145	15
699 - 109	63146	15
699 - 110	63147	15
699 - 111	63148	10
699 - 112	63149	10
699 - 113	63150	10
699 - 114	63151	75
699 - 115	63152	20
699 - 116	63153	20
699 - 117	63154	15
699 - 118	63155	10
699 - 119	63156	25
699 - 120	63157	10



# ECO-TECH LABORATORIES LTD.

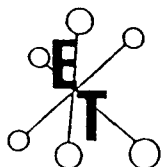
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

SEPTEMBER 14, 1989

ET#	Description	Au (ppb)
699 - 121	63158	10
699 - 122	63159	10
699 - 123	63160	5
699 - 124	63161	5
699 - 125	63162	35
699 - 126	63163	5
699 - 127	63164	5
699 - 128	63165	5
699 - 129	63166	5
699 - 130	63167	5
699 - 131	63168	5
699 - 132	63169	5
699 - 133	63170	5
699 - 134	63171	5
699 - 135	63172	5
699 - 136	63173	5
699 - 137	63174	5
699 - 138	63175	5
699 - 139	63176	5
699 - 140	63177	5
699 - 141	63178	5
699 - 142	63179	5
699 - 143	63180	5
699 - 144	63181	5
699 - 145	63182	5
699 - 146	63183	5
699 - 147	63184	<5
699 - 148	63185	5
699 - 149	63186	10
699 - 150	63187	10
699 - 151	63188	<5
699 - 152	63189	.5
699 - 153	63190	<5
699 - 154	63191	5
699 - 155	63192	<5
699 - 156	63193	5
699 - 157	63194	<5
699 - 158	63195	5
699 - 159	63196	5
699 - 160	63197	5
699 - 161	63198	10
699 - 162	63199	10
699 - 163	63200	5
699 - 164	63201	5
699 - 165	63202	5



# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

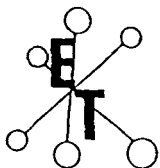
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

SEPTEMBER 14, 1989

ET#	Description	Au (ppb)
699 - 166	63203	5
699 - 167	63204	5
699 - 168	63205	5
699 - 169	63206	10
699 - 170	63207	5
699 - 171	63208	5
699 - 172	63209	5
699 - 173	63210	5
699 - 174	63211	5
699 - 175	63212	10
699 - 176	63213	5
699 - 177	63214	10
699 - 178	63215	5
699 - 179	63216	5
699 - 180	63217	5
699 - 181	63218	5
699 - 182	63219	5
699 - 183	63220	10
699 - 184	63221	10
699 - 185	63222	10
699 - 186	63223	5
699 - 187	63224	10
699 - 188	63225	5
699 - 189	63226	10
699 - 190	63227	10
699 - 191	63228	10
699 - 192	63229	5
699 - 193	63230	5
699 - 194	63231	5
699 - 195	63232	5
699 - 196	63233	55
699 - 197	63234	45
699 - 198	63235	20
699 - 199	63236	20
699 - 200	63237	130
699 - 201	63238	5
699 - 202	63239	5
699 - 203	63240	40
699 - 204	63241	10
699 - 205	63242	20
699 - 206	63243	5
699 - 207	63244	5
699 - 208	63245	30
699 - 209	63246	10
699 - 210	63247	10





# ECO-TECH LABORATORIES LTD.

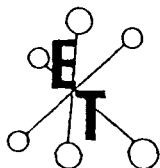
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

SEPTEMBER 14, 1989

ET#	Description	Au (ppb)
699 - 211	63248	5
699 - 212	63249	10
699 - 213	63250	25
699 - 214	63251	20
699 - 215	63252	35
699 - 216	63253	10
699 - 217	63254	50
699 - 218	63255	20
699 - 219	63256	15
699 - 220	63257	10
699 - 221	63258	10
699 - 222	63259	10
699 - 223	63260	15
699 - 224	63261	20
699 - 225	63262	5
699 - 226	63263	10
699 - 227	63264	10
699 - 228	63265	25
699 - 229	63266	10
699 - 230	63267	5
699 - 231	63268	10
699 - 232	63269	10
699 - 233	63270	25
699 - 234	63271	10
699 - 235	63272	5
699 - 236	63273	5
699 - 237	63274	10
699 - 238	63275	15
699 - 239	63276	5
699 - 240	63277	5
699 - 241	63278	5
699 - 242	63279	5
699 - 243	63280	5
699 - 244	63281	10
699 - 245	63282	5
699 - 246	63283	10
699 - 247	63284	15
699 - 248	63285	5
699 - 249	63286	5
699 - 250	63287	5
699 - 251	63288	5
699 - 252	63289	5
699 - 253	63290	10
699 - 254	63291	35
699 - 255	63292	10



# ECO-TECH LABORATORIES LTD.

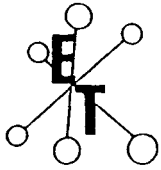
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

SEPTEMBER 14, 1989

ET#	Description	Au (ppb)
699 - 256	63293	10
699 - 257	63294	<5
699 - 258	63295	<5
699 - 259	63296	<5
699 - 260	63297	<5
699 - 261	63298	10
699 - 262	63299	<5
699 - 263	63300	<5
699 - 264	63301	<5
699 - 265	63302	10
699 - 266	63303	10
699 - 267	63304	10
699 - 268	63305	10
699 - 269	63306	5
699 - 270	63307	10
699 - 271	63308	10
699 - 272	63309	10
699 - 273	63310	10
699 - 274	63311	10
699 - 275	63312	15
699 - 276	63313	45
699 - 277	63314	25
699 - 278	63315	320
699 - 279	63316	10
699 - 280	63317	10
699 - 281	63318	<5
699 - 282	63319	10
699 - 283	63320	<5
699 - 284	63321	10
699 - 285	63322	<5
699 - 286	63323	<5
699 - 287	63324	5
699 - 288	63325	<5
699 - 289	63326	15
699 - 290	63327	<5
699 - 291	63328	<5
699 - 292	63329	20
699 - 293	63330	10
699 - 294	63331	70
699 - 295	63332	60
699 - 296	63333	10
699 - 297	63334	10
699 - 298	63335	10
699 - 299	63336	5
699 - 300	63337	<5



# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING


10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Corona Corporation

SEPTEMBER 14, 1989

ET#	Description	Au (ppb)
699 - 301	63338	15
699 - 302	63339	10
699 - 303	63340	30
699 - 304	63341	<5
699 - 305	63342	<5
699 - 306	63343	15
699 - 307	63344	5
699 - 308	63345	<5
699 - 309	63346	<5
699 - 310	63347	15
699 - 311	63348	<5
699 - 312	63349	10
699 - 313	63350	<5
699 - 314	63351	10
699 - 315	63352	10
699 - 316	63353	10
699 - 317	63354	40
699 - 318	63355	120
699 - 319	63356	15
699 - 320	63357	10
699 - 321	63358	10
699 - 322	63359	10
699 - 323	63360	<5
699 - 324	63361	5
699 - 325	63362	<5
699 - 326	63363	<5
699 - 327	63364	10
699 - 328	63365	<5
699 - 329	63366	30
699 - 330	63367	15
699 - 331	63368	<5
699 - 332	63369	50

NOTE: < = LESS THAN

  
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ECO-TECH LABORATORIES LTD.  
Doug Howard  
B.C. Certified Assayer

cc: CORONA CORPORATION  
GENERAL DELIVERY  
LIKELY, B.C.  
ATTN: CHRIS MCATEE  
FAX: CORONA, VCR  
SC89/8120

ECO-TECH LABORATORIES LTD.

10041 ERST TRANS CANADA HWY.  
KARLOOOPS, B.C. V2C 2J3  
PHONE - 604-573-5700  
FAX - 604-573-4557

CORONA CORPORATION - ETK 89-427A

1440, 860 WEST PENDER STREET  
VANCOUVER, B.C. V6C 2V6  
ATTENTION: TONY RAMSON

AUGUST 1, 1989

PROJECT # 1056 - P.O.# 8595 - SHIPMENT 688  
5 ROCK SAMPLES RECEIVED JULY 10, 1989

VALUES IN PPM UNLESS OTHERWISE REPORTED

ETK#	DESCRIPTIONS	AG	AL(Z)	AS	B	BA	BI	CA(Z)	CO	CR	CU	FE(Z)	K(Z)	LA	MG(Z)	NI	NO	NA(Z)	NJ	P	PB	SB	SH	SR	TI(Z)	U	V	W	Y	ZN	
427 A-	1 89- MCR 001	.4	.92	10	6	90	<5	7.67	<1	44	101	98	8.21	.10	10	1.56	1385	6	.06	42	1370	10	10	<20	82	<.01	20	291	<10	15	56
427 A-	2 89- MCR 002	.4	1.79	15	10	70	<5	6.52	<1	44	154	81	7.46	.09	10	3.48	1308	3	.06	57	1390	8	15	<20	320	<.01	10	320	<10	14	63
427 A-	3 89- MCR 003	.2	1.16	75	2	90	<5	6.83	<1	43	90	165	7.40	.08	10	2.94	1239	5	.01	51	250	12	10	<20	167	<.01	20	176	<10	7	60
427 A-	4 89- MCR 004	.6	.97	55	<2	75	<5	8.72	<1	74	563	19	5.95	.02	<10	1.69	884	3	.06	215	190	8	10	<20	69	<.01	30	120	<10	6	36
427 A-	5 89- MCR 003B	.4	1.15	15	2	80	<5	6.39	<1	44	125	59	7.45	.09	10	2.47	1373	5	.06	55	1350	4	10	<20	164	.01	<10	296	<10	14	55

NOTE: < = LESS THAN

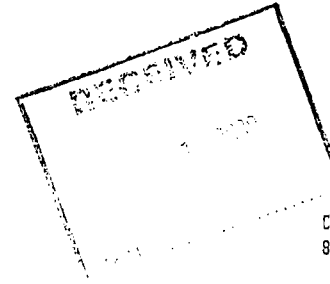
CC: MARK TIMBALL  
VCR  
FAX: VCR

ECO-TECH LABORATORIES LTD.  
DOUG HOWARD  
B.C. CERTIFIED ASSAYER

SC89/1056

Eco-Tech Laboratories Ltd.  
 10041 E. Trans Canada Hwy.  
 Kamloops, B.C.  
 V2C 2J3  
 August 21, 1989

CORONA CORPORATION  
 #1440, 800 West Pender St.  
 Vancouver, B.C.  
 V6C 2V6  
 ATTN: ~~Darrel Johnson~~  
 GARY RUSTE



CERTIFICATE OF ANALYSIS ETK 89-501A  
 83 Rock and Drill Core Samples, received July 20/89  
 PROJECT: 8/20  
 All values in PPM unless otherwise reported

ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
501.1	61501	<.2	0.90	21	8	< 5	6	2.27	< 1	30	191	19	1.78	<.01	< 10	1.71	239	< 1	<.01	98	92	39	39	< 20	38	0.02	< 10	26	< 10	< 1	26
501.2	61502	<.2	1.27	18	8	8	< 5	2.90	< 1	29	194	21	2.11	<.01	< 10	2.23	320	< 1	<.01	87	75	40	52	< 20	47	0.03	< 10	32	< 10	< 1	19
501.3	61503	<.2	2.21	63	8	70	< 5	7.33	1	32	210	66	3.47	0.02	11	3.10	734	< 1	<.01	68	193	57	66	< 20	128	0.04	< 10	91	< 10	< 1	41
501.4	61504	<.2	2.85	60	7	364	6	6.06	< 1	30	125	66	4.04	0.04	12	2.93	666	< 1	<.01	55	299	62	65	< 20	120	0.04	< 10	104	< 10	< 1	32
501.5	61505	<.2	2.79	71	6	460	< 5	5.79	< 1	26	95	45	3.52	0.05	11	2.83	696	< 1	<.01	40	248	60	65	< 20	160	0.04	< 10	90	< 10	< 1	28
501.6	61506	<.2	2.84	58	8	20	< 5	9.83	< 1	35	227	46	4.40	0.02	15	3.72	895	< 1	<.01	71	197	64	63	< 20	216	0.03	< 10	154	< 10	< 1	35
501.7	61507	<.2	3.68	126	7	20	7	8.70	2	37	191	192	6.46	0.03	22	4.25	1201	< 1	<.01	62	430	78	78	< 20	183	0.02	< 10	190	< 10	< 1	80
501.8	61508	0.9	1.60	405	7	18	< 5	10.03	3	30	65	174	4.72	0.10	18	1.21	1361	< 1	<.01	34	1199	57	52	< 20	201	<.01	< 10	81	< 10	3	84
501.9	61509	1.8	1.09	2031	5	14	< 5	>15.00	2	26	43	127	4.05	0.08	15	0.61	2184	< 1	<.01	34	597	115	52	< 20	354	<.01	< 10	62	< 10	3	158
501.10	61510	3.7	0.56	4867	6	20	< 5	>15.00	4	18	26	127	3.80	0.09	14	0.32	2501	< 1	<.01	22	497	44	50	< 20	368	<.01	< 10	26	< 10	1	205
501.11	61511	1.2	2.08	1696	6	24	< 5	10.29	2	38	103	118	5.83	0.08	20	1.66	1415	< 1	<.01	50	532	89	72	< 20	257	<.01	< 10	121	< 10	< 1	159
501.12	61512	<.2	2.38	46	9	12	7	5.51	< 1	31	167	28	4.21	0.02	13	3.74	723	< 1	<.01	64	204	58	67	< 20	108	0.05	< 10	134	< 10	< 1	30
501.13	61513	<.2	2.39	64	7	18	7	9.44	< 1	44	249	35	4.88	0.05	16	3.15	1058	< 1	<.01	84	177	57	76	< 20	203	0.03	< 10	140	< 10	< 1	41
501.14	61514	<.2	2.96	32	10	43	< 5	1.58	< 1	40	84	217	5.43	0.07	16	2.66	426	< 1	0.03	62	187	62	59	< 20	52	0.07	< 10	189	< 10	< 1	34
501.15	61515	<.2	2.47	37	7	54	9	1.90	< 1	28	94	44	3.62	0.07	11	2.61	448	< 1	0.02	58	511	56	61	< 20	71	0.05	< 10	98	< 10	< 1	39
501.16	61516	<.2	2.52	18	8	19	7	6.38	< 1	33	96	58	4.45	0.04	15	3.02	847	< 1	<.01	37	992	57	66	< 20	138	0.04	< 10	123	< 10	< 1	49
501.17	61517	<.2	2.30	35	8	50	< 5	2.83	< 1	25	91	148	3.49	0.08	10	2.14	509	< 1	0.04	45	510	52	47	< 20	69	0.05	< 10	97	< 10	< 1	30
501.18	61518	<.2	3.30	45	8	65	< 5	3.21	< 1	34	46	187	5.76	0.13	19	2.75	621	< 1	0.05	30	880	65	76	< 20	85	0.09	< 10	223	< 10	< 1	47
501.19	61519	<.2	3.04	39	7	120	10	1.92	< 1	36	82	81	5.70	0.09	17	2.47	542	< 1	0.04	38	477	63	67	< 20	64	0.08	< 10	176	< 10	< 1	43
501.20	61520	<.2	3.07	29	7	49	< 5	2.23	< 1	43	61	319	6.50	0.07	20	2.94	572	< 1	0.03	36	766	66	67	< 20	84	0.11	< 10	210	< 10	< 1	58

CORONA CORPORATION  
 ETK 89-501A  
 Page 2  
 August 21, 1989

ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
501.21	61521	<.2	2.13	35	6	20	7	3.53	< 1	25	150	54	3.40	0.05	11	2.55	547	< 1	0.02	58	714	55	46	< 20	74	0.06	< 10	94	< 10	1	32
501.22	61522	<.2	2.21	26	7	45	13	3.91	< 1	22	107	41	3.49	0.04	12	2.26	509	< 1	0.02	43	973	52	50	< 20	139	0.05	< 10	93	< 10	2	29
501.23	61523	<.2	2.10	23	8	37	7	2.64	< 1	28	105	96	3.75	0.03	12	2.28	567	< 1	0.02	42	920	54	50	< 20	86	0.07	< 10	102	< 10	1	41
501.24	61524	<.2	2.59	23	9	29	< 5	3.23	< 1	43	177	367	4.79	0.02	15	2.51	482	< 1	0.02	88	1227	64	70	< 20	81	0.07	< 10	39	< 10	< 1	40
501.25	61525	<.2	3.26	34	8	23	< 5	1.74	< 1	58	362	166	5.69	0.03	17	4.21	630	< 1	0.01	188	745	83	76	< 20	68	0.08	< 10	114	< 10	< 1	55
501.26	61526	<.2	3.27	77	9	33	11	5.55	< 1	31	54	108	5.91	0.08	21	3.45	1052	< 1	<.01	23	698	79	72	< 20	131	0.05	< 10	222	< 10	< 1	78
501.27	61527	<.2	2.66	95	9	34	< 5	5.29	2	45	127	220	5.37	0.04	17	2.75	903	< 1	0.02	116	563	74	70	< 20	124	0.05	< 10	119	< 10	< 1	57
501.28	61528	<.2	2.54	45	7	59	< 5	1.88	< 1	40	115	144	4.53	0.04	14	2.25	540	< 1	0.04	91	777	65	56	< 20	69	0.09	< 10	141	< 10	< 1	44
501.29	61529	<.2	2.21	45	7	82	< 5	1.94	< 1	29	68	110	3.63	0.04	12	1.66	426	< 1	0.04	69	1016	59	45	< 20	110	0.08	< 10	124	< 10	1	37
501.30	61530	<.2	2.78	46	9	64	< 5	2.37	< 1	35	82	128	4.57	0.04	14	2.29	554	< 1	0.04	67	895	72	58	< 20	117	0.07	< 10	119	< 10	< 1	53
501.31	61531	<.2	1.91	38	6	49	< 5	2.37	< 1	48	91	439	4.41	0.03	12	1.58	363	< 1	0.03	85	686	59	61	< 20	95	0.05	< 10	66	< 10	< 1	28
501.32	61532	<.2	1.49	22	8	19	< 5	3.63	< 1	37	73	436	3.13	<.01	< 10	1.23	483	< 1	<.01	69	1325	50	49	< 20	82	0.04	< 10	55	< 10	< 1	41
501.33	61533	<.2	1.42	30	8	38	< 5	9.46	< 1	25	66	190	2.48	<.01	< 10	1.10	928	< 1	0.01	58	947	49	40	< 20	279	0.03	< 10	46	< 10	< 1	32
501.34	61534	<.2	1.85	33	9	36	< 5	4.36	< 1	34	68	304	2.90	0.02	< 10	1.15	596	< 1	0.03	80	1268	56	36	< 20	118	0.05	< 10	47	< 10	< 1	38
501.35	61535	<.2	3.14	92	8	36	< 5	6.38	2	34	149	140	4.35	0.12	14	2.75	1004	< 1	0.05	86	917	76	65	< 20	145	0.05	< 10	117	< 10	< 1	49
501.36	61536	<.2	2.92	55	8	44	< 5	1.49	< 1	55	209	424	4.32	0.02	12	2.90	478	< 1	0.04	133	352	80	61	< 20	79	0.04	< 10	62	< 10	< 1	34
501.37	61537	<.2	3.17	44	8	123	< 5	2.52	< 1	50	141	427	4.42	0.05	12	2.67	458	< 1	0.07	99	558	81	69	< 20	147	0.05	< 10	84	< 10	< 1	31
501.38	61538	<.2	3.50	65	9	18	< 5	3.91	< 1	51	324	99	4.67	0.04	14	4.75	673	< 1	0.01	172	399	92	84	< 20	93	0.06	< 10	80	< 10	< 1	39
501.39	61539	<.2	2.26	61	6	19	< 5	7.72	< 1	43	142	54	3.40	0.08	< 10	3.06	690	< 1	<.01	79	176	59	58	< 20	184	<.01	< 10	51	< 10	< 1	30
501.40	61540	<.2	2.11	16	7	12	6	4.49	< 1	43	45	24	2.91	0.05	< 10	2.96	444	< 1	<.01	99	131	59	49	< 20	115	<.01	< 10	20	< 10	< 1	19

CORONA CORPORATION  
 ETK 89-501A  
 Page 3  
 August 21, 1983

ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
501.41	61541	<.2	1.91	34	7	27	< 5	4.54	< 1	31	93	75	2.55	0.03	< 10	2.35	396	< 1	0.01	75	204	52	60	< 20	130	0.02	< 10	51	< 10	< 1	20
501.42	61542	<.2	1.37	18	8	6	7	1.30	< 1	23	74	29	1.81	<.01	< 10	1.98	277	< 1	<.01	63	175	42	63	< 20	40	0.02	< 10	28	< 10	< 1	15
501.43	61543	<.2	1.44	13	8	< 5	9	2.02	< 1	29	118	14	2.55	<.01	< 10	3.35	410	< 1	<.01	80	158	51	69	< 20	66	0.01	< 10	42	< 10	< 1	25
501.44	61544	<.2	0.86	13	8	< 5	12	3.42	< 1	20	160	11	1.52	<.01	< 10	1.98	321	< 1	<.01	51	95	34	54	< 20	66	0.01	< 10	31	< 10	< 1	12
501.45	61545	<.2	1.45	35	7	< 5	7	5.11	< 1	23	144	1	2.23	<.01	< 10	3.13	543	< 1	<.01	58	128	49	59	< 20	93	0.01	< 10	42	< 10	< 1	18
501.46	61546	<.2	0.76	20	6	< 5	< 5	3.84	< 1	26	169	52	1.56	<.01	< 10	1.41	332	< 1	<.01	80	83	30	60	< 20	67	0.01	< 10	29	< 10	< 1	12
501.47	61547	<.2	2.15	236	7	35	< 5	5.77	1	31	154	79	4.66	0.15	17	2.24	771	< 1	<.01	34	1081	60	66	< 20	138	0.03	< 10	156	< 10	1	260
501.48	61548	<.2	2.65	62	7	79	7	3.16	< 1	32	22	116	6.14	0.40	23	2.48	930	< 1	0.01	9	1604	65	77	< 20	85	0.07	< 10	198	< 10	2	59
501.49	61549	<.2	2.14	30	8	34	16	2.87	< 1	29	97	47	4.17	0.16	13	2.16	675	< 1	0.02	33	1037	55	57	< 20	80	0.06	< 10	119	< 10	< 1	47
501.50	61550	<.2	1.95	39	7	25	< 5	5.37	< 1	28	205	30	3.38	0.16	< 10	2.63	557	< 1	<.01	58	225	56	56	< 20	102	0.03	< 10	96	< 10	< 1	28
501.51	61551	<.2	1.77	871	7	16	< 5	8.47	< 1	31	286	9	3.02	0.17	< 10	2.43	603	2	<.01	67	119	57	55	< 20	166	0.02	< 10	85	< 10	< 1	94
501.52	61552	<.2	1.17	18	7	11	7	3.55	< 1	18	186	41	2.02	0.05	< 10	1.80	341	< 1	<.01	39	217	39	44	< 20	82	0.02	< 10	46	< 10	< 1	22
501.53	61553	<.2	1.85	18	8	11	< 5	3.15	< 1	22	189	32	2.76	0.06	< 10	2.83	420	< 1	<.01	54	144	54	47	< 20	92	0.02	< 10	76	< 10	< 1	22
501.54	61554	<.2	1.21	6	8	8	10	4.25	< 1	19	201	7	1.94	0.03	< 10	1.97	361	< 1	<.01	49	110	41	38	< 20	79	0.02	< 10	45	< 10	< 1	16
501.55	61555	<.2	2.17	26	9	29	12	1.55	< 1	21	154	29	2.86	0.12	< 10	3.24	448	< 1	0.01	53	154	60	51	< 20	82	0.02	< 10	67	< 10	< 1	25
501.56	61556	<.2	1.54	20	9	17	5	1.49	< 1	21	124	35	2.17	0.05	< 10	2.14	318	< 1	<.01	57	119	47	46	< 20	55	0.02	< 10	48	< 10	< 1	21
501.57	61557	<.2	1.04	14	8	< 5	6	1.53	< 1	22	104	14	1.58	<.01	< 10	1.58	212	< 1	<.01	68	137	35	41	< 20	45	0.01	< 10	19	< 10	< 1	14
501.58	61558	<.2	1.96	11	9	95	12	2.91	< 1	21	50	58	3.02	0.19	10	2.10	484	< 1	0.02	30	1139	53	48	< 20	99	0.04	< 10	71	< 10	< 1	38
501.59	61559	<.2	0.87	33	8	< 5	< 5	2.52	< 1	35	136	31	1.99	<.01	< 10	1.59	297	< 1	<.01	94	116	33	43	< 20	66	0.01	< 10	25	< 10	< 1	20
501.60	61560	<.2	0.88	11	8	< 5	< 5	1.60	< 1	26	144	17	1.70	<.01	< 10	1.83	256	< 1	<.01	82	103	35	46	< 20	53	0.01	< 10	28	< 10	< 1	15

CGRONA CORPORATION  
 ETK 89-501A  
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ETK	DESCRIPTION	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	Ti	U	V	W	Y	Zn
501.61	61561	<.2	1.06	14	8	< 5	10	1.19	< 1	25	175	11	1.87	<.01	< 10	2.19	254	< 1	<.01	80	100	39	50	< 20	45	0.02	< 10	38	< 10	< 1	70
501.62	61562	<.2	0.96	< 5	8	< 5	5	1.05	< 1	26	162	5	2.05	<.01	< 10	2.34	245	< 1	<.01	79	129	37	45	< 20	49	0.01	< 10	32	< 10	< 1	19
501.63	61563	<.2	1.24	23	9	18	6	1.84	< 1	38	176	35	2.23	0.02	< 10	2.34	325	< 1	0.01	119	248	44	51	< 20	82	0.01	< 10	30	< 10	< 1	23
501.64	61564	<.2	1.17	14	7	< 5	< 5	3.39	< 1	30	204	43	1.91	<.01	< 10	2.22	402	< 1	<.01	98	156	41	40	< 20	92	0.01	< 10	30	< 10	< 1	24
501.65	61565	<.2	1.91	21	8	66	< 5	4.99	< 1	23	164	17	3.14	0.22	< 10	2.96	587	< 1	0.03	41	690	56	69	< 20	165	0.03	< 10	95	< 10	< 1	33
501.66	61566	<.2	1.79	23	8	91	9	5.67	< 1	25	167	47	2.91	0.37	< 10	2.69	648	< 1	0.03	51	447	54	64	< 20	148	0.04	< 10	68	< 10	< 1	29
501.67	61567	<.2	1.90	24	8	79	8	5.17	< 1	26	221	37	2.97	0.37	< 10	2.87	587	< 1	0.03	57	399	55	58	< 20	137	0.04	< 10	68	< 10	< 1	25
501.68	61568	<.2	0.56	15	9	30	< 5	4.76	< 1	10	84	8	1.92	0.12	< 10	0.84	477	< 1	0.02	12	542	27	37	< 20	123	<.01	< 10	17	< 10	< 1	22
501.69	61569	<.2	1.19	28	8	65	< 5	6.87	< 1	27	262	32	2.66	0.26	< 10	2.12	639	< 1	0.03	66	306	43	51	< 20	222	0.02	< 10	38	< 10	< 1	25
501.70	61570	<.2	0.72	31	8	56	< 5	6.03	< 1	20	150	7	2.53	0.19	< 10	1.62	748	< 1	0.01	47	495	36	72	< 20	371	<.01	< 10	22	< 10	< 1	36
501.71	61571	3.3	0.19	3220	8	48	< 5	2.28	< 1	6	22	100	1.86	0.10	< 10	0.44	447	2	<.01	< 1	600	83	79	< 20	144	<.01	< 10	1	< 10	< 1	146
501.72	61572	2.9	0.15	2318	8	42	< 5	3.61	< 1	4	57	126	1.55	0.09	< 10	0.13	434	5	<.01	< 1	628	41	62	< 20	66	<.01	< 10	< 1	13	< 1	56
501.73	61573	4.7	0.16	1899	8	49	< 5	1.51	< 1	5	76	147	2.03	0.11	< 10	0.35	321	7	<.01	< 1	648	41	63	< 20	45	<.01	< 10	< 1	< 10	< 1	29
501.74	61574	0.6	0.18	274	9	42	< 5	4.74	< 1	9	25	26	2.45	0.08	< 10	1.47	742	2	<.01	12	506	34	54	< 20	414	<.01	< 10	3	< 10	< 1	39
501.75	61575	<.2	0.40	6	9	40	< 5	4.90	< 1	16	86	22	2.21	0.14	< 10	1.12	631	1	0.02	37	450	28	41	< 20	316	<.01	< 10	9	< 10	< 1	49
501.76	61576	<.2	1.49	18	8	144	13	4.68	< 1	25	232	34	2.57	0.56	< 10	2.21	560	< 1	0.02	65	428	47	48	< 20	136	0.04	< 10	42	< 10	< 1	39
501.77	61577	<.2	1.74	22	7	73	< 5	3.15	< 1	31	156	169	2.98	0.28	< 10	2.10	415	< 1	0.03	56	509	50	48	< 20	102	0.05	< 10	64	< 10	< 1	26
501.78	61578	<.2	1.24	10	8	18	6	3.04	< 1	23	236	16	1.99	0.08	< 10	2.16	322	< 1	0.01	78	189	41	47	< 20	124	0.02	< 10	19	< 10	< 1	21
501.79	61579	<.2	2.08	23	8	104	< 5	3.23	< 1	30	30	190	3.85	0.11	11	1.83	523	< 1	0.05	17	1096	53	47	< 20	133	0.03	< 10	79	< 10	< 1	36
501.80	61580	<.2	2.35	22	9	25	12	1.36	< 1	21	64	88	4.13	0.07	12	2.67	496	< 1	<.01	12	711	60	50	< 20	20	0.04	< 10	125	< 10	< 1	24



CORONA CORPORATION  
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ETK	DESCRIPTION	Ag	Al%	As	B	Ba	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	K%	La	Mg%	Mn	Mo	Na%	Ni	P	Pb	Sb	Sn	Sr	Ti%	U	V	W	Y	Zn
501.81	89 CMR 001	<.2	2.12	15	8	75	< 5	6.92	< 1	24	42	210	3.93	0.09	13	1.96	625	< 1	<.01	23	924	52	48	< 20	93	0.06	< 10	106	< 10	< 1	30
501.82	89 CMR 002	<.2	2.13	36	8	26	7	8.59	< 1	19	39	74	4.24	0.06	14	2.09	580	< 1	<.01	14	587	53	58	< 20	86	0.01	< 10	120	< 10	2	34
501.83	6R 89 20	<.2	0.42	96	9	64	< 5	>15.00	2	11	39	32	2.25	0.12	< 10	0.55	977	3	<.01	3	334	26	41	< 20	203	<.01	< 10	26	< 10	< 1	22

NOTE: > = Greater than  
 < = Less than

  
 ECO-TECH LABORATORIES LTD.  
 DOUG HOWARD  
 B.C. CERTIFIED ASSAYER

ECO-TECH LABORATORIES LTD.

CORONA CORPORATION - ETK 89-530A

10041 EAST TRANS CANADA HWY.  
 KAMLOOPS, B.C. V2C 2J3  
 PHONE - 604-573-5700  
 FAX - 604-573-4557

1440, 800 WEST PENDER STRETT  
 VANCOUVER, B.C. V6C 2V6  
 ATTENTION: GARY ROSTE

AUGUST 23, 1989

PROJECT # 8120  
 68 ROCK SAMPLES RECEIVED JULY 31, 1989

VALUES IN PPM UNLESS OTHERWISE REPORTED

ETK#	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
530 A- 1	61581	.2	1.70	5	<2	20	<5	1.43	<1	17	99	85	4.14	.07	<10	2.23	569	4	.06	31	960	10	10	<20	20	.04	40	117	<10	7	48
530 A- 2	61582	<.2	1.43	5	<2	35	<5	.91	<1	15	47	58	2.96	.07	<10	1.79	453	2	.06	17	1310	2	5	<20	17	.04	70	101	<10	7	28
530 A- 3	61583	<.2	1.46	<5	<2	30	<5	1.14	1	16	40	63	3.31	.10	<10	2.11	513	2	.06	15	1030	4	10	<20	26	.03	30	126	<10	8	40
530 A- 4	61584	.4	1.68	165	<2	50	<5	3.81	6	21	41	60	4.13	.24	<10	1.99	934	3	.07	18	1340	8	10	<20	85	.03	30	134	<10	10	59
530 A- 5	61585	<.2	.15	15	<2	40	<5	1.78	1	3	39	3	1.19	.14	10	.47	581	1	.06	4	270	32	<5	<20	63	<.01	30	3	<10	4	81
530 A- 6	61586	.2	.14	15	<2	35	<5	1.77	1	4	51	3	1.19	.15	10	.52	618	4	.05	4	120	32	<5	<20	65	<.01	30	3	<10	4	74
530 A- 7	61587	.2	1.67	15	<2	35	<5	3.49	<1	23	71	62	4.22	.10	<10	2.42	738	5	.05	33	1900	6	10	<20	113	.03	40	103	<10	13	61
530 A- 8	61588	.4	1.26	5	<2	50	<5	1.65	<1	18	48	32	2.81	.07	<10	1.22	468	1	.06	55	1050	4	5	<20	21	.05	30	73	<10	4	27
530 A- 9	61589	.4	1.17	5	<2	45	<5	1.52	<1	17	60	52	2.52	.05	<10	1.36	416	1	.07	44	870	2	10	<20	21	.05	50	66	<10	4	30
530 A- 10	61590	.4	1.47	5	<2	35	<5	2.48	<1	20	77	63	3.19	.06	<10	1.69	637	1	.08	50	1010	2	5	<20	39	.05	40	102	<10	5	38
530 A- 11	61591	.2	1.43	5	<2	50	<5	3.52	<1	18	77	12	3.39	.07	<10	1.60	708	1	.08	48	1120	2	5	<20	53	.04	50	94	<10	5	37
530 A- 12	61592	.2	1.22	<5	<2	75	<5	1.72	<1	17	75	40	2.42	.06	<10	1.35	412	2	.07	44	1130	2	5	<20	24	.05	30	53	<10	4	25
530 A- 13	61593	.2	1.37	<5	<2	20	<5	1.55	<1	22	42	33	3.00	.05	<10	1.47	496	<1	.07	46	1130	2	5	<20	23	.05	30	78	<10	4	32
530 A- 14	61594	.2	1.52	10	<2	30	<5	2.20	<1	22	56	71	3.17	.05	<10	1.44	549	3	.08	48	990	4	10	<20	38	.06	70	90	<10	4	40
530 A- 15	61595	.4	1.71	40	<2	45	<5	7.11	1	17	87	2	4.49	.09	<10	2.44	1427	2	.05	48	990	6	5	<20	157	.03	40	114	<10	7	68
530 A- 16	61596	.2	1.66	20	<2	50	<5	4.53	1	22	80	25	3.96	.09	<10	2.02	1114	3	.05	56	1190	4	5	<20	80	.04	40	102	<10	6	68
530 A- 17	61597	.8	.24	95	<2	<5	<5	6.30	3	9	30	2	4.37	.26	<10	2.52	1652	4	.04	23	1340	6	5	<20	250	<.01	60	24	<10	10	76
530 A- 18	61598	.4	.19	100	<2	35	<5	7.48	3	8	27	<1	4.16	.21	<10	3.03	1932	4	.05	18	1120	12	5	<20	282	<.01	10	23	<10	9	73
530 A- 19	61599	2.6	.15	65	<2	95	<5	9.56	4	4	37	27	2.85	.11	<10	3.74	1940	6	.02	17	600	356	10	<20	427	<.01	50	10	10	8	186
530 A- 20	61600	1.0	.20	90	<2	35	<5	7.18	3	13	47	15	4.32	.22	<10	2.63	2439	2	.04	25	1110	22	5	<20	218	<.01	50	31	<10	10	33
530 A- 21	61601	.2	1.21	25	<2	20	<5	5.73	1	21	65	106	3.70	.06	<10	.77	1206	2	.04	60	930	10	10	<20	102	.02	20	48	<10	6	47
530 A- 22	61602	.2	1.66	15	<2	55	<5	6.18	<1	20	79	90	4.21	.04	<10	1.62	1312	3	.04	67	1010	6	15	<20	111	.02	60	98	<10	5	54
530 A- 23	61603	.2	1.04	20	<2	30	<5	5.30	1	13	50	188	2.78	.12	<10	1.45	808	3	.05	17	1280	4	10	<20	147	<.01	30	52	<10	6	30
530 A- 24	61604	<.2	1.50	5	<2	105	<5	2.63	<1	16	65	69	2.84	.05	<10	1.54	529	3	.06	40	630	2	5	<20	58	.04	50	80	<10	4	22
530 A- 25	61605	.2	1.57	<5	<2	105	<5	2.98	<1	15	61	34	3.15	.05	<10	1.66	502	3	.05	25	720	2	10	<20	98	.04	40	83	<10	4	29

PAGE 2

ETK#	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
530 A- 26	61606	.4	1.37	<5	<2	55	<5	2.46	<1	16	37	69	2.97	.05	<10	1.34	524	2	.06	23	1210	4	5	<20	57	.04	40	75	<10	5	23
530 A- 27	61607	.2	1.23	5	<2	65	<5	4.38	<1	13	82	45	2.15	.10	<10	1.34	523	3	.06	22	760	<2	5	<20	82	.04	40	64	<10	4	19
530 A- 28	61608	<.2	2.54	10	<2	35	<5	8.58	<1	29	211	52	4.56	.07	<10	2.99	1465	4	.04	67	870	6	15	<20	198	.02	50	163	<10	11	43
530 A- 29	61609	<.2	2.62	20	<2	20	<5	8.62	1	32	254	47	4.74	.06	<10	3.31	1373	2	.02	98	860	4	20	<20	212	.01	30	157	<10	11	47
530 A- 30	61610	.4	1.90	45	<2	45	<5	6.86	2	25	135	12	4.58	.10	<10	3.48	1381	3	.05	67	960	4	15	<20	181	.01	40	93	<10	11	61
530 A- 31	61611	.4	.49	300	<2	50	<5	4.11	9	21	119	32	2.89	.06	<10	1.71	1128	5	.05	42	400	147	20	<20	104	<.01	30	27	<10	6	45
530 A- 32	61612	<.2	1.22	10	<2	10	<5	7.61	<1	12	93	14	2.67	.02	<10	1.49	1381	3	.03	34	1210	4	5	<20	158	.02	40	51	<10	4	51
530 A- 33	61613	.4	1.71	<5	<2	30	<5	3.44	1	29	76	258	4.53	.05	<10	2.04	923	2	.08	50	1020	4	10	<20	69	.04	50	66	<10	4	73
530 A- 34	61614	.2	1.35	<5	<2	10	<5	5.01	1	40	81	380	5.20	.02	<10	1.42	1042	4	.05	37	1090	4	20	<20	91	.04	40	41	<10	3	67
530 A- 35	61615	<.2	1.43	5	<2	10	<5	6.15	<1	13	54	36	2.67	.02	<10	1.24	1074	3	.04	24	1070	2	5	<20	114	.03	50	62	<10	3	56
530 A- 36	61616	.2	1.91	5	<2	25	<5	6.51	<1	20	91	107	4.48	.08	<10	2.03	1595	3	.06	28	1070	4	10	<20	127	.02	50	101	<10	5	88
530 A- 37	61617	1.2	.66	120	<2	50	<5	8.23	4	19	81	126	4.51	.09	<10	3.51	1703	5	.04	25	830	16	25	<20	302	<.01	40	53	<10	10	104
530 A- 38	61618	.2	2.09	20	<2	30	<5	4.51	1	28	122	137	4.14	.08	<10	2.55	983	5	.05	60	900	12	15	<20	102	.03	40	119	<10	8	60
530 A- 39	61619	<.2	.02	60	<2	<5	<5	<.01	2	35	92	81	5.89	.09	<10	3.42	1118	2	.05	46	1010	6	15	<20	<1	<.01	<10	142	<10	1	53
530 A- 40	61620	.4	.06	35	<2	30	<5	10.90	<1	3	14	4	1.31	.01	<10	1.32	1855	2	.02	5	100	6	<5	<20	589	<.01	10	4	<10	11	6
530 A- 41	61621	.6	.82	230	28	25	<5	7.24	5	34	91	28	4.80	.06	<10	2.94	1538	4	.04	58	800	8	15	<20	269	<.01	<10	78	<10	10	87
530 A- 42	61622	.6	.77	580	<2	30	<5	6.78	<1	28	38	34	5.81	.10	<10	3.19	1959	4	.04	46	1620	8	15	<20	312	<.01	20	83	<10	12	84
530 A- 43	61623	1.4	.39	1125	22	40	<5	7.61	27	23	50	50	4.71	.08	<10	3.17	1891	3	.05	20	1110	22	15	<20	300	<.01	40	32	<10	10	41
530 A- 44	61624	.2	2.17	50	<2	25	<5	6.45	<1	44	127	20	5.10	.05	<10	2.33	2090	5	.07	127	1180	8	50	<20	131	.07	20	162	<10	8	101
530 A- 45	61625	.8	2.24	20	24	15	<5	4.35	2	58	105	647	7.40	.05	<10	1.91	1528	4	.08	101	1250	12	15	<20	68	.07	40	94	<10	5	80
530 A- 46	61626	.4	2.36	15	<2	30	<5	4.16	<1	62	93	450	7.67	.04	<10	1.78	1622	2	.13	56	1040	8	5	<20	56	.08	<10	119	<10	6	80
530 A- 47	61627	.2	1.94	100	18	45	<5	6.27	2	27	78	55	4.70	.03	<10	2.97	1387	3	.07	35	890	14	10	<20	200	.03	10	107	<10	9	68
530 A- 48	61628	.2	2.33	10	<2	45	<5	5.89	<1	19	114	46	4.13	.06	<10	2.37	1852	3	.10	43	1090	8	10	<20	122	.07	10	148	<10	6	75
530 A- 49	61629	.6	1.94	15	<2	10	<5	4.23	<1	51	83	534	7.07	.06	<10	1.81	1333	5	.06	55	1190	6	15	<20	68	.09	30	88	<10	3	61
530 A- 50	61630	.2	2.18	20	20	20	<5	4.77	1	28	51	245	3.57	.03	<10	1.40	926	2	.06	37	1150	4	10	<20	60	.08	20	79	<10	5	45
530 A- 51	61631	.2	2.74	10	<2	15	<5	3.75	<1	15	31	38	3.39	.02	<10	1.78	1088	5	.05	21	1090	4	10	<20	45	.07	30	121	<10	5	47
530 A- 52	61632	.2	2.63	15	<2	70	<5	4.16	<1	18	40	42	4.12	.06	<10	2.07	1011	4	.07	20	1040	6	10	<20	84	.10	20	143	<10	5	48
530 A- 53	61633	.2	2.16	50	<2	20	<5	3.24	<1	40	69	185	4.33	.06	<10	1.87	639	2	.07	48	890	6	10	<20	45	.12	20	115	<10	5	61
530 A- 54	61634	.2	2.16	5	38	40	<5	2.51	1	36	40	221	4.63	.07	<10	1.69	551	3	.07	33	930	6	10	<20	51	.12	20	106	<10	5	29
530 A- 55	61635	.2	2.02	20	<2	40	<5	4.30	<1	23	95	34	4.15	.07	<10	2.53	831	3	.07	34	1550	6	15	<20	111	.09	10	122	<10	7	42
530 A- 56	61636	.2	1.82	35	16	50	<5	5.66	1	28	91	43	4.21	.09	<10	2.61	1033	3	.07	36	1080	6	10	<20	173	.07	10	110	<10	7	40
530 A- 57	61637	.2	1.87	20	<2	60	<5	5.16	1	18	63	8	2.83	.07	<10	1.77	767	2	.09	31	920	6	10	<20	118	.09	10	99	<10	6	35
530 A- 58	61638	.2	2.00	240	<2	45	<5	6.55	6	20	71	18	4.55	.07	<10	2.34	981	2	.05	30	860	10	15	<20	112	.03	30	126	<10	9	37
530 A- 59	61639	<.2	2.48	5	2	50	<5	2.54	1	37	72	212	5.05	.04	<10	1.92	642	2	.14	85	1240	4	10	<20	21	.15	30	143	<10	8	36
530 A- 60	61640	.2	2.68	5	<2	55	<5	2.26	1	38	73	189	4.97	.14	<10	2.33	686	5	.11	77	990	26	15	<20	24	.16	<10	161	<10	7	86
530 A- 61	61641	.2	1.35	25	<2	275	<5	6.62	2	20	64	32	3.42	.13	<10	1.00	1199	3	.06	27	1030	38	10	<20	161	.01	30	80	<10	10	85
530 A- 62	61642	.2	.40	25	<2	70	<5	1.58	2	6	42	5	1.86	.16	10	.13	1033	5	.06	7	680	42	5	<20	38	<.01	20	4	<10	6	74

ECO-TECH LABORATORIES LTD.

CORONA CORPORATION - ETK 89-530A

PAGE 3

ETK#	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
530 A- 63	61643	.6	.37	55	<2	70	5	1.02	2	5	35	1	2.16	.15	10	.14	1161	4	.06	10	770	34	10	<20	40	<.01	30	4	<10	6	28
530 A- 64	61644	.4	.32	25	<2	65	<5	2.53	2	6	34	18	1.81	.16	10	.25	1027	4	.07	6	760	44	10	<20	68	<.01	50	3	<10	7	110
530 A- 65	61645	.4	.35	50	<2	65	5	2.57	2	7	44	8	1.93	.39	10	.30	942	5	.07	7	850	66	10	<20	95	<.01	10	5	<10	6	73
530 A- 66	61646	<.2	3.28	55	<2	205	<5	6.32	2	35	47	126	6.76	.06	<10	2.92	1393	5	.13	25	1980	10	20	<20	317	.11	40	238	<10	13	84
530 A- 67	PL-SR-001	.1	1.470	15	<2	120	<5	>15.	<1	16	11	50	3.17	.06	10	.96	917	6	.03	8	439	6	5	<20	3599	.01	<10	44	<10	14	63
530 A- 68	GR-89-21	1	2.920	10	<2	40	<5	1.86	<1	36	41	208	7.44	.16	10	2.6	865	7	.06	29	2137	10	20	<20	90	.18	50	220	<10	8	144

NOTE: < = LESS THAN

CC: MARK TINDALL  
VCR  
FAX: VCR



ECO-TECH LABORATORIES LTD.  
DOUG HOWARD  
B.C. CERTIFIED ASSAYER

SC89/8120

Eco-Tech Laboratories Ltd.  
 10041 E. Trans Canada Hwy.  
 Kamloops, B.C.  
 V2C 2J3  
 September 20, 1989

CORONA CORPORATION  
 1440, 800 West Pender St.  
 Vancouver, B.C.  
 V6C 2V6  
 ATTN: Mark Tindall

CERTIFICATE OF ANALYSIS ETK 89-566A  
 49 Split Core Samples, received August 8/89  
 Project #8120  
 P.O. #89-0136  
 All values in PPM unless otherwise reported

ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
566.1	61647	0.2	2.72	64	5	24	< 5	6.79	< 1	70	115	394	6.93	0.02	25	2.16	1523	< 1	0.02	84	997	36	109	< 20	102	0.06	< 10	67	< 10	< 1	60
566.2	61648	<.2	3.46	22	7	64	30	7.53	< 1	47	124	138	6.00	0.57	24	3.06	1383	< 1	0.02	84	940	13	115	< 20	178	0.06	< 10	132	< 10	< 1	45
566.3	61649	<.2	2.77	< 5	5	30	< 5	3.65	< 1	30	56	127	4.65	0.08	17	1.95	652	9	0.01	72	1111	11	98	< 20	63	0.05	< 10	126	< 10	< 1	45
566.4	61650	<.2	2.72	< 5	7	29	< 5	4.26	< 1	35	73	107	5.94	0.12	26	2.51	906	9	<.01	79	1364	11	106	< 20	95	0.07	< 10	164	< 10	1	74
566.5	61651	<.2	3.36	< 5	5	69	14	4.17	< 1	38	21	102	5.60	0.19	20	2.49	956	< 1	<.01	31	712	9	102	26	83	0.06	< 10	140	< 10	< 1	66
566.6	61652	<.2	3.40	< 5	5	34	8	3.67	< 1	39	71	109	6.13	0.06	23	3.19	1141	< 1	0.01	71	1305	14	108	< 20	82	0.07	< 10	169	< 10	< 1	76
566.7	61653	<.2	3.01	9	6	29	< 5	4.20	< 1	41	81	114	6.33	0.10	25	3.21	1168	< 1	<.01	67	1375	12	100	30	97	0.06	< 10	157	< 10	< 1	99
566.8	61654	<.2	1.13	39	10	19	19	3.55	3	25	61	62	5.98	0.09	28	1.16	358	132	<.01	220	839	< 2	100	< 20	62	0.05	< 10	143	< 10	4	177
566.9	61655	0.6	0.98	66	10	19	6	2.32	4	27	52	71	6.93	0.12	28	1.00	287	140	<.01	239	639	< 2	100	< 20	48	0.05	< 10	96	14	2	204
566.10	61656	0.5	1.29	< 5	9	20	< 5	2.27	3	22	63	106	4.93	0.12	21	1.29	363	68	<.01	170	477	12	59	< 20	72	0.04	< 10	56	< 10	5	191
566.11	61657	0.2	2.60	< 5	5	34	< 5	4.58	< 1	36	37	108	5.52	0.19	21	2.31	910	< 1	<.01	31	1100	3	85	< 20	130	0.10	< 10	120	< 10	2	55
566.12	61658	0.7	1.23	< 5	6	38	8	1.56	< 1	20	73	108	2.93	0.15	13	0.99	378	1	<.01	98	389	14	52	< 20	39	0.08	< 10	39	< 10	7	83
566.13	61659	<.2	2.50	< 5	5	47	< 5	4.95	< 1	32	19	97	5.43	0.17	21	2.12	914	< 1	<.01	28	1019	5	94	< 20	143	0.06	< 10	116	< 10	2	54
566.14	61660	0.2	1.11	< 5	9	36	15	0.65	< 1	17	67	65	2.37	0.13	11	0.85	273	< 1	<.01	81	230	15	33	< 20	23	0.05	< 10	13	< 10	8	106
566.15	61661	<.2	1.59	< 5	8	41	< 5	1.86	< 1	23	86	93	3.10	0.11	13	1.23	412	< 1	0.01	68	407	9	47	< 20	47	0.03	< 10	65	11	3	50
566.16	61662	0.2	2.33	< 5	7	31	< 5	3.63	< 1	26	32	78	4.08	0.10	16	1.97	595	< 1	<.01	44	392	14	61	< 20	88	<.01	< 10	87	< 10	2	66
566.17	61663	0.5	0.94	< 5	6	28	< 5	1.34	< 1	14	42	71	1.91	0.10	10	1.00	239	< 1	<.01	73	183	15	27	< 20	52	<.01	< 10	11	33	4	99
566.18	61664	0.2	0.87	< 5	6	21	5	4.71	< 1	9	66	49	1.90	0.08	< 10	0.90	564	9	<.01	39	170	8	52	< 20	102	<.01	< 10	12	< 10	4	54
566.19	61665	<.2	2.32	< 5	5	26	8	5.67	1	24	84	96	4.55	0.09	19	2.29	778	< 1	<.01	81	496	11	76	< 20	135	0.02	< 10	80	< 10	2	117
566.20	61666	0.4	0.35	2104	6	36	8	9.22	< 1	10	51	39	2.65	0.09	10	1.30	1232	< 1	<.01	55	163	4	64	< 20	175	<.01	< 10	7	< 10	6	54

ETK	DESCRIPTION	Ag	AlI	As	B	Ba	Bi	CaI	Cd	Co	Cr	Cu	FeI	KI	La	MgI	Mn	Mo	NaI	Ni	P	Pb	Sb	Sn	Sr	TiI	U	V	W	Y	Zn
566.21	61667	<.2	2.19	< 5	8	32	15	3.49	< 1	23	30	80	4.13	0.14	16	1.58	727	< 1	<.01	39	713	8	52	< 20	100	<.01	< 10	80	< 10	1	66
566.22	61668	<.2	0.68	116	8	43	8	2.56	1	11	49	52	2.67	0.12	< 10	0.97	463	< 1	<.01	52	143	< 2	42	< 20	108	<.01	< 10	8	< 10	4	77
566.23	61669	0.6	0.23	733	5	37	< 5	3.27	1	10	46	65	2.29	0.12	< 10	1.16	403	7	<.01	61	221	3	35	< 20	120	<.01	< 10	22	< 10	4	128
566.24	61670	0.7	1.62	17	8	38	< 5	4.06	< 1	16	57	66	2.77	0.11	13	1.48	600	< 1	<.01	70	314	14	53	< 20	79	<.01	< 10	40	< 10	3	94
566.25	61671	0.7	1.17	51	8	42	< 5	5.29	9	18	44	68	3.80	0.12	16	2.03	872	31	<.01	65	520	15	77	< 20	179	<.01	< 10	70	< 10	7	299
566.26	61672	<.2	1.98	7	8	35	< 5	4.91	1	21	28	79	4.01	0.09	16	2.04	934	< 1	<.01	41	590	12	73	24	88	<.01	< 10	68	< 10	4	82
566.27	61673	<.2	1.51	16	5	36	< 5	3.60	< 1	23	54	92	4.47	0.11	18	1.75	635	< 1	0.01	51	528	3	61	< 20	87	<.01	< 10	61	< 10	4	49
566.28	61674	0.5	0.52	74	5	36	< 5	2.12	2	32	32	154	3.65	0.13	12	1.04	386	< 1	<.01	84	409	< 2	45	< 20	75	<.01	< 10	22	< 10	3	156
566.29	61675	0.7	0.39	1661	6	36	12	12.22	2	23	27	72	3.78	0.13	17	1.67	1243	< 1	<.01	35	683	31	100	< 20	361	<.01	< 10	21	< 10	10	149
566.30	61676	<.2	2.80	17	7	54	23	6.73	1	34	80	67	6.36	0.08	24	3.83	1257	< 1	<.01	44	1472	10	106	< 20	270	<.01	< 10	130	< 10	4	110
566.31	61677	<.2	2.86	< 5	7	46	< 5	5.83	< 1	37	123	61	6.44	0.11	24	3.37	1133	< 1	0.01	63	1181	7	83	< 20	252	0.03	< 10	133	< 10	4	80
566.32	61678	0.2	1.53	66	6	36	8	7.95	< 1	37	136	86	5.16	0.12	18	4.79	1144	< 1	<.01	140	609	10	127	< 20	542	<.01	< 10	51	< 10	< 1	46
566.33	61679	<.2	1.87	45	6	32	30	6.32	< 1	39	143	89	5.47	0.12	17	4.65	1146	< 1	<.01	125	514	8	145	20	410	<.01	< 10	60	< 10	< 1	55
566.34	61680	0.2	1.50	< 5	7	92	10	6.72	< 1	30	104	73	4.53	0.15	14	4.02	959	< 1	<.01	87	618	13	120	< 20	383	<.01	< 10	59	< 10	2	43
566.35	61681	<.2	3.01	31	6	45	16	6.95	< 1	43	213	61	5.62	0.10	19	5.28	1248	< 1	<.01	185	482	16	156	< 20	339	<.01	< 10	107	< 10	1	53
566.36	61682	<.2	3.27	< 5	8	111	< 5	1.02	< 1	32	55	116	4.88	0.59	17	2.99	629	< 1	0.03	29	1122	20	117	< 20	17	0.16	< 10	194	< 10	9	41
566.37	61683	<.2	2.94	< 5	9	35	< 5	2.81	< 1	39	76	100	4.95	0.14	16	2.94	663	< 1	0.01	59	873	16	67	< 20	42	0.09	< 10	143	< 10	< 1	31
566.38	61684	<.2	2.97	< 5	8	25	9	2.55	< 1	31	61	50	4.49	0.07	15	2.47	685	< 1	0.03	73	785	18	85	< 20	35	0.11	< 10	116	< 10	3	45
566.39	61685	<.2	3.50	< 5	7	24	< 5	3.87	< 1	31	59	51	5.08	0.05	< 10	2.32	978	< 1	0.02	41	955	< 2	106	< 20	73	0.08	< 10	144	< 10	3	45
566.40	61686	<.2	2.22	43	7	19	< 5	7.52	3	27	109	38	4.48	0.10	< 10	2.76	1256	< 1	<.01	71	740	< 2	109	< 20	227	0.03	< 10	82	< 10	< 1	41

CORONA CORPORATION  
 ETK 89-566A  
 Page 3  
 September 20, 1989

ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
566.41	61687	<.2	2.80	< 5	7	26	12	3.04	< 1	24	41	32	4.31	0.06	< 10	1.57	642	1	0.05	37	1244	< 2	88	< 20	46	0.08	< 10	115	< 10	5	25
566.42	61688	<.2	3.85	< 5	6	18	14	7.66	< 1	33	99	28	5.65	0.07	< 10	2.84	1178	< 1	0.01	68	771	< 2	118	< 20	149	0.04	< 10	156	< 10	1	36
566.43	61689	<.2	2.48	< 5	7	24	< 5	5.56	< 1	24	68	181	4.91	0.04	< 10	1.93	1068	< 1	0.03	41	1023	< 2	104	< 20	84	0.08	< 10	69	< 10	< 1	54
566.44	61690	<.2	3.39	< 5	7	165	< 5	6.14	< 1	21	35	24	4.43	0.07	< 10	2.19	1285	< 1	0.04	20	872	< 2	118	< 20	158	0.07	< 10	130	< 10	< 1	70
566.45	61691	<.2	2.62	< 5	6	39	< 5	8.16	< 1	21	74	72	4.33	0.05	< 10	1.81	1488	< 1	0.04	44	899	< 2	103	< 20	134	0.06	< 10	68	< 10	< 1	70
566.46	61692	<.2	2.74	< 5	7	33	24	4.70	2	26	31	38	4.59	0.12	< 10	1.85	804	< 1	0.04	21	1071	< 2	100	< 20	108	0.05	< 10	111	< 10	1	33
566.47	61693	<.2	3.42	< 5	7	64	< 5	6.16	1	27	33	15	4.99	0.09	< 10	2.38	916	< 1	0.02	20	1040	< 2	103	< 20	136	0.04	< 10	154	16	1	36
566.48	61694	<.2	3.63	< 5	8	40	< 5	6.01	< 1	32	65	20	5.18	0.23	< 10	2.81	928	< 1	0.03	40	799	< 2	94	< 20	182	0.08	< 10	157	< 10	2	32
566.49	61695	<.2	2.14	< 5	6	17	< 5	3.24	< 1	35	49	140	3.47	0.02	< 10	1.81	771	< 1	0.01	48	1079	< 2	90	< 20	64	0.05	< 10	67	< 10	< 1	36

NOTE: > = Greater than  
 < = Less than

cc: Corona Corporation  
 General Delivery  
 Likely, B.C.  
 ATTN: Gary Roste

*Douglas Howard*  
 ECO-TECH LABORATORIES LTD.  
 DOUG HOWARD  
 B.C. CERTIFIED ASSAYER

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 1989

Eco-Tech Laboratories Ltd.  
 10041 E. Trans Canada Hwy.  
 Kamloops, B.C.  
 V2C 2J3  
 September 18, 1989

CORONA CORPORATION  
 1440 - 800 W. Pender St.  
 Vancouver, B.C.  
 V6C 2V6  
 ATTN: Tony Ranson

CERTIFICATE OF ANALYSIS ETK 89-608A  
 124 Core Samples, received August 14/89  
 Project # B120  
 P.O. # 89-0154  
 All values in PPM unless otherwise reported

ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
608.1	61696	<.2	1.56	< 5	8	48	10	4.81	< 1	23	84	13	3.63	0.11	< 10	1.68	880	< 1	0.06	33	1006	6	33	28	137	0.11	< 10	125	< 10	5	36
608.2	61697	<.2	2.06	41	11	52	15	3.10	1	28	131	6	4.16	0.09	< 10	2.28	841	< 1	0.05	61	934	< 2	40	< 20	100	0.10	< 10	113	< 10	4	39
608.3	61698	<.2	1.64	21	9	33	< 5	4.21	< 1	27	93	36	3.59	0.06	< 10	1.91	1000	< 1	0.03	48	1006	2	30	< 20	153	0.09	< 10	99	< 10	4	32
608.4	61699	<.2	2.84	< 5	7	987	27	4.95	< 1	37	280	72	4.14	1.24	25	4.42	852	< 1	0.07	133	2922	11	61	< 20	433	0.26	< 10	125	< 10	10	49
608.5	61700	<.2	1.83	28	8	67	< 5	5.47	< 1	39	172	118	4.45	0.12	< 10	3.05	1151	< 1	0.03	73	1092	8	54	< 20	261	0.08	< 10	107	< 10	2	43
608.6	61701	<.2	1.95	46	6	28	< 5	3.87	2	55	89	454	6.64	0.08	< 10	2.41	1078	< 1	0.02	57	1153	< 2	13	53	191	0.09	< 10	104	< 10	1	47
608.7	61702	<.2	2.01	72	6	63	6	8.67	2	31	205	51	3.95	0.85	12	3.39	1361	< 1	0.01	62	846	12	84	< 20	278	0.14	< 10	115	< 10	7	40
608.8	61703	<.2	2.83	24	4	714	12	4.68	< 1	32	246	74	4.01	1.47	45	4.00	786	< 1	0.05	88	3201	8	48	< 20	475	0.23	< 10	138	< 10	13	45
608.9	61704	<.2	2.73	36	4	248	< 5	5.86	< 1	31	214	70	4.00	1.60	50	3.74	930	< 1	0.04	74	3265	12	57	23	427	0.23	< 10	138	< 10	15	47
608.10	61705	<.2	2.59	< 5	5	113	5	5.55	< 1	32	71	76	4.72	0.72	< 10	2.91	702	< 1	0.04	30	702	< 2	27	< 20	175	0.11	< 10	187	< 10	6	28
608.11	61706	<.2	2.86	29	6	132	< 5	1.95	< 1	33	86	58	4.53	0.58	< 10	3.45	342	< 1	0.06	58	802	< 2	40	< 20	72	0.09	< 10	159	< 10	5	28
608.12	61707	<.2	3.08	< 5	7	96	19	3.35	< 1	29	91	22	4.85	0.46	< 10	3.22	618	< 1	0.07	48	707	< 2	29	21	85	0.13	< 10	171	< 10	5	31
608.13	61708	<.2	3.10	59	4	66	8	6.75	< 1	24	154	24	4.51	0.32	< 10	3.28	1330	< 1	0.04	36	836	< 2	48	< 20	148	0.05	< 10	154	< 10	3	35
608.14	61709	<.2	2.50	183	6	36	8	8.50	3	18	189	6	3.91	0.13	< 10	2.63	1589	< 1	0.05	28	921	4	56	< 20	184	<.01	< 10	132	< 10	3	34
608.15	61710	<.2	1.17	58	5	45	< 5	7.78	1	19	69	28	3.33	0.15	< 10	2.57	1591	< 1	0.03	27	1013	14	66	< 20	169	<.01	< 10	68	< 10	4	31
608.16	61711	<.2	1.94	41	6	34	< 5	7.21	1	30	70	129	4.57	0.14	< 10	2.36	1465	< 1	0.03	28	926	< 2	33	23	163	0.04	< 10	118	< 10	3	35
608.17	61712	0.3	0.55	71	5	32	8	8.85	2	31	90	96	4.41	0.13	< 10	3.69	1304	< 1	<.01	55	940	25	88	21	334	<.01	< 10	35	< 10	< 1	42
608.18	61713	<.2	0.62	< 5	4	35	7	7.73	< 1	23	27	43	4.49	0.15	< 10	3.15	1140	< 1	0.01	21	807	11	72	49	311	<.01	< 10	36	< 10	1	32
608.19	61714	<.2	1.09	< 5	5	38	< 5	5.25	< 1	24	22	55	4.30	0.18	< 10	2.37	979	< 1	0.01	13	1077	5	56	< 20	220	<.01	< 10	55	< 10	< 1	34
608.20	61715	<.2	1.88	< 5	4	67	< 5	5.57	< 1	25	19	61	4.78	0.17	< 10	2.32	964	< 1	0.01	14	988	< 2	40	< 20	193	<.01	< 10	91	< 10	< 1	38



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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
608.21	61716	0.2	0.33	35	4	32	15	7.74	1	25	15	59	4.46	0.19	< 10	2.60	1125	< 1	< .01	14	926	10	61	< 20	375	< .01	< 10	22	< 10	< 1	25
608.22	61717	1.8	0.70	241	5	20	< 5	7.69	3	23	58	74	4.16	0.10	< 10	2.86	1164	< 1	0.01	21	873	17	76	33	367	< .01	< 10	60	15	< 1	34
608.23	61718	1.5	0.93	1315	5	28	< 5	8.25	3	27	96	98	4.55	0.09	< 10	3.26	1377	< 1	0.01	25	646	11	83	< 20	315	< .01	< 10	76	< 10	< 1	25
608.24	61719	3.4	0.60	1559	4	23	< 5	8.45	3	37	59	240	4.93	0.10	< 10	2.72	1496	< 1	< .01	33	712	12	112	51	334	< .01	< 10	58	< 10	< 1	32
608.25	61720	1.9	0.40	88	5	28	< 5	8.91	4	35	40	182	4.68	0.13	< 10	3.28	1434	< 1	< .01	23	637	13	75	< 20	343	< .01	< 10	41	< 10	< 1	31
608.26	61721	< .2	1.93	< 5	4	44	< 5	6.96	< 1	29	25	103	4.60	0.15	< 10	3.71	1143	< 1	0.01	13	1352	8	58	33	214	< .01	< 10	92	< 10	2	30
608.27	61722	< .2	2.64	< 5	5	25	< 5	5.77	< 1	28	42	93	4.57	0.10	< 10	3.28	1260	< 1	0.01	20	1037	< 2	40	47	128	0.01	< 10	128	< 10	2	36
608.28	61723	< .2	2.41	12	7	45	< 5	4.62	< 1	36	27	200	4.01	0.13	< 10	1.86	733	< 1	0.03	18	973	< 2	32	28	111	0.06	< 10	114	< 10	2	25
608.29	61724	< .2	2.75	29	8	113	6	4.19	< 1	31	37	114	5.56	0.06	< 10	2.28	824	< 1	0.02	17	1322	< 2	41	23	130	0.06	< 10	155	< 10	4	41
608.30	61725	< .2	2.81	14	6	22	< 5	5.28	< 1	35	175	142	4.94	0.05	< 10	3.21	915	< 1	0.02	49	892	< 2	32	44	130	0.07	< 10	140	< 10	< 1	33
608.31	61726	< .2	2.41	< 5	4	40	< 5	3.31	< 1	41	58	198	4.11	0.09	< 10	1.97	549	< 1	0.05	33	800	< 2	34	< 20	83	0.12	< 10	115	< 10	4	21
608.32	61727	< .2	2.32	10	5	19	11	3.22	< 1	35	115	95	4.51	0.03	< 10	2.49	502	< 1	0.02	42	930	< 2	45	51	89	0.09	< 10	113	< 10	1	22
608.33	61728	< .2	2.09	24	6	35	9	4.95	< 1	28	110	138	4.25	0.06	< 10	2.15	690	< 1	0.03	30	983	< 2	40	< 20	168	0.09	< 10	104	< 10	3	26
608.34	61729	< .2	1.96	10	8	29	< 5	3.30	< 1	23	127	56	3.71	0.08	< 10	1.71	428	< 1	0.03	25	1007	< 2	43	21	72	0.09	< 10	143	< 10	3	22
608.35	61730	< .2	2.12	< 5	9	25	< 5	3.78	< 1	27	127	103	4.10	0.06	< 10	2.05	533	< 1	0.03	26	899	< 2	55	37	65	0.10	< 10	155	< 10	2	32
608.36	61731	< .2	3.06	< 5	7	28	12	4.57	< 1	35	60	70	6.38	0.02	< 10	3.11	1120	< 1	0.01	21	1131	< 2	20	< 20	78	0.10	< 10	178	< 10	3	56
608.37	61732	< .2	1.84	< 5	8	26	< 5	2.52	< 1	24	131	120	3.78	0.06	< 10	1.91	410	< 1	0.02	26	903	< 2	33	23	57	0.09	< 10	133	< 10	2	22
608.38	61733	< .2	1.93	< 5	7	59	< 5	2.08	< 1	24	136	72	3.75	0.08	< 10	1.96	399	< 1	0.03	28	868	2	37	< 20	34	0.10	< 10	134	< 10	2	22
608.39	61734	< .2	1.90	< 5	7	45	24	2.36	< 1	22	127	50	3.52	0.05	< 10	1.75	387	< 1	0.02	27	1019	< 2	28	< 20	43	0.08	< 10	123	< 10	< 1	22
608.40	61735	< .2	1.86	< 5	8	28	6	1.67	< 1	22	136	36	3.52	0.07	< 10	1.58	332	< 1	0.03	28	916	< 2	26	< 20	25	0.09	< 10	128	< 10	2	20

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608.41	61736	<.2	2.15	< 5	7	25	25	3.04	< 1	25	145	37	3.82	0.05	< 10	2.07	471	< 1	0.02	29	924	< 2	17	< 20	48	0.09	< 10	132	< 10	3	21
608.42	61737	1.3	2.32	42	5	26	< 5	5.23	3	35	130	130	4.46	0.12	< 10	2.55	679	< 1	0.01	31	1040	20	42	30	127	0.08	< 10	131	< 10	2	86
608.43	61738	<.2	2.25	< 5	6	44	18	2.76	< 1	32	112	124	4.09	0.03	< 10	2.30	486	< 1	0.02	26	1007	< 2	19	< 20	60	0.10	< 10	121	< 10	3	28
608.44	61739	0.8	2.48	< 5	5	23	< 5	2.93	< 1	67	39	1988	6.34	0.03	< 10	2.37	571	< 1	0.02	42	1279	< 2	11	< 20	59	0.09	< 10	140	< 10	< 1	41
608.45	61740	<.2	1.94	< 5	6	33	< 5	3.54	< 1	39	115	550	4.04	0.05	< 10	2.15	495	< 1	0.02	31	1776	< 2	60	36	72	0.08	< 10	107	< 10	2	29
608.46	61741	<.2	1.93	< 5	5	57	10	2.98	< 1	24	111	68	3.53	0.08	< 10	1.97	470	< 1	0.03	25	1078	< 2	44	< 20	106	0.08	< 10	112	< 10	3	27
608.47	61742	<.2	2.43	6	9	23	< 5	3.48	< 1	30	90	170	4.98	0.05	< 10	2.42	571	< 1	0.02	23	1013	< 2	17	30	61	0.10	< 10	168	< 10	2	28
608.48	61743	<.2	1.86	< 5	8	26	< 5	2.96	< 1	42	79	601	4.30	0.04	< 10	1.85	478	< 1	0.02	29	1070	< 2	24	< 20	50	0.08	< 10	106	< 10	2	32
608.49	61744	<.2	2.51	< 5	8	47	< 5	3.30	< 1	37	136	180	4.71	0.07	< 10	2.81	569	< 1	0.02	30	1319	< 2	39	< 20	64	0.12	< 10	148	< 10	4	28
608.50	61745	<.2	2.58	< 5	7	51	19	5.44	< 1	26	106	53	4.93	0.06	< 10	3.06	679	< 1	0.02	26	887	< 2	34	< 20	156	0.07	< 10	160	< 10	2	30
608.51	61746	<.2	2.02	< 5	8	43	11	3.97	< 1	23	97	45	3.75	0.04	< 10	2.22	452	< 1	0.03	23	833	< 2	44	< 20	98	0.10	< 10	121	< 10	3	24
608.52	61747	<.2	2.91	< 5	10	36	< 5	3.91	< 1	33	29	99	5.80	0.03	< 10	3.02	983	< 1	0.01	15	970	< 2	19	44	66	0.11	< 10	178	< 10	5	56
608.53	61748	<.2	1.49	< 5	7	28	< 5	2.91	< 1	44	85	287	3.45	0.03	< 10	1.66	387	< 1	0.02	40	1040	< 2	32	< 20	58	0.09	< 10	91	< 10	3	29
608.54	61749	<.2	2.18	< 5	8	34	< 5	3.21	< 1	47	129	235	4.25	0.02	< 10	2.39	395	1	0.01	59	973	< 2	23	38	63	0.10	< 10	102	< 10	2	21
608.55	61750	<.2	2.49	< 5	9	23	10	5.36	< 1	26	200	85	4.30	0.03	< 10	2.90	540	< 1	0.02	45	787	< 2	52	34	100	0.10	< 10	130	< 10	2	24
608.56	61751	<.2	2.89	20	8	24	< 5	3.23	1	29	74	243	5.19	0.05	< 10	2.96	530	< 1	0.01	28	481	< 2	37	< 20	62	0.07	< 10	151	< 10	< 1	29
608.57	61752	<.2	2.02	< 5	8	63	10	1.69	< 1	29	108	98	3.33	0.02	< 10	3.41	331	< 1	0.02	45	276	< 2	51	< 20	39	0.09	< 10	112	< 10	2	20
608.58	61753	<.2	1.34	< 5	9	15	< 5	1.87	< 1	26	209	48	2.28	0.02	< 10	2.89	292	< 1	0.02	69	225	8	76	< 20	34	0.06	< 10	50	< 10	1	17
608.59	61754	<.2	1.23	< 5	7	10	17	5.98	< 1	27	214	108	2.31	0.01	< 10	3.06	639	< 1	0.02	58	147	8	88	26	80	0.07	< 10	61	< 10	2	17
608.60	61755	<.2	1.61	< 5	6	19	23	8.32	< 1	28	358	59	3.15	0.01	< 10	2.52	728	< 1	0.01	63	196	< 2	81	< 20	148	0.05	< 10	84	< 10	< 1	26

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
608.81	61776	0.5	0.45	206	6	29	< 5	3.19	2	16	99	85	2.35	0.12	< 10	1.50	444	5	<.01	54	471	86	99	27	122	<.01	< 10	34	< 10	4	107
608.82	61777	<.2	0.87	230	5	36	< 5	4.72	3	27	146	87	3.85	0.08	< 10	2.91	759	< 1	<.01	83	592	14	122	< 20	184	0.01	< 10	66	< 10	2	117
608.83	61778	<.2	0.30	1050	6	28	< 5	3.49	2	24	65	119	3.78	0.15	< 10	1.83	569	21	<.01	61	637	7	156	42	155	<.01	< 10	71	< 10	3	38
608.84	61779	1.4	0.23	2708	7	22	< 5	3.72	2	21	41	94	3.34	0.15	< 10	1.63	542	45	<.01	65	615	12	106	< 20	215	<.01	< 10	71	< 10	3	51
608.85	61780	1.6	0.23	1340	5	24	< 5	4.28	3	22	63	101	3.37	0.15	< 10	1.89	632	24	<.01	56	665	9	123	< 20	187	<.01	< 10	57	< 10	4	76
608.86	61781	4.3	0.33	784	5	27	13	5.94	18	14	56	55	3.32	0.10	< 10	2.37	832	< 1	<.01	18	576	964	220	< 20	232	<.01	< 10	22	< 10	3	486
608.87	61782	43.0	0.16	>10000	5	18	< 5	5.47	30	18	42	136	4.67	0.09	< 10	2.34	895	14	<.01	37	288	904	293	46	184	<.01	< 10	27	< 10	1	843
608.88	61783	63.1	0.15	>10000	5	20	< 5	4.70	109	19	30	202	5.45	0.08	< 10	2.11	724	4	<.01	30	472	9463	355	27	175	<.01	< 10	25	10	< 1	2884
608.89	61784	21.5	0.18	>10000	5	23	< 5	4.55	8	22	68	129	5.00	0.10	< 10	1.99	660	< 1	<.01	24	326	520	204	< 20	195	<.01	< 10	23	< 10	< 1	234
608.90	61785	24.0	0.19	>10000	5	21	< 5	4.55	8	23	44	152	5.14	0.10	< 10	1.98	665	< 1	<.01	24	311	518	230	25	208	<.01	< 10	23	< 10	< 1	231
608.91	61786	3.4	0.50	8471	5	26	< 5	5.93	3	32	62	95	4.87	0.12	< 10	2.74	1054	< 1	<.01	40	581	11	128	< 20	255	<.01	< 10	57	< 10	1	40
608.92	61787	0.6	0.38	7984	5	24	< 5	6.60	3	29	64	63	4.36	0.13	< 10	2.86	1006	< 1	<.01	35	601	9	110	27	282	<.01	< 10	50	< 10	1	45
608.93	61788	<.2	1.48	25	5	42	< 5	5.58	2	32	118	109	5.25	0.11	< 10	3.39	1042	< 1	0.01	34	724	< 2	88	< 20	190	0.02	< 10	121	< 10	2	46
608.94	61789	0.5	0.24	596	5	23	< 5	5.88	3	30	32	95	4.83	0.14	< 10	2.81	982	< 1	<.01	21	844	6	140	< 20	265	<.01	< 10	39	< 10	< 1	42
608.95	61790	6.6	0.16	5311	5	19	< 5	7.53	6	23	48	178	4.63	0.10	< 10	3.00	1042	< 1	<.01	21	628	80	245	40	331	<.01	< 10	26	< 10	< 1	130
608.96	61791	3.3	0.14	4816	7	16	< 5	8.82	3	22	36	49	4.18	0.09	< 10	3.05	1200	< 1	<.01	25	540	21	133	33	308	<.01	< 10	25	< 10	< 1	38
608.97	61792	1.7	0.17	>10000	6	19	6	6.36	12	21	41	14	4.65	0.12	< 10	2.54	1077	< 1	<.01	16	550	203	73	21	254	<.01	< 10	31	< 10	< 1	280
608.98	61793	10.3	0.30	>10000	5	27	< 5	5.05	3	35	55	137	5.30	0.19	< 10	2.14	928	< 1	<.01	30	654	10	157	27	218	<.01	< 10	34	< 10	< 1	30
608.99	61794	1.1	0.17	2980	6	17	< 5	6.47	3	25	46	113	4.76	0.11	< 10	2.99	1045	< 1	<.01	21	701	6	193	38	215	<.01	< 10	39	< 10	< 1	40
608.100	61795	<.2	0.42	73	6	43	< 5	6.91	3	34	97	121	5.20	0.13	< 10	3.23	1215	< 1	<.01	35	722	5	128	69	207	<.01	< 10	82	< 10	3	41

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KI	La	MgI	Mn	Mo	NaZ	Ni	P	Pb	Sb	Se	Sr	TiZ	U	V	W	Y	Zn
608.101	61796	<.2	0.38	176	7	26	< 5	4.33	3	28	51	205	3.97	0.12	< 10	2.06	787	< 1	<.01	46	633	4	139	< 20	140	<.01	< 10	47	< 10	3	51
608.102	61797	1.5	0.22	513	7	25	< 5	3.32	2	13	48	111	2.75	0.14	< 10	1.59	549	30	<.01	54	531	9	119	< 20	131	<.01	< 10	40	< 10	5	39
608.103	61798	1.8	0.42	1216	6	39	< 5	4.75	3	20	56	75	3.39	0.11	< 10	2.19	800	< 1	<.01	40	747	75	118	< 20	145	<.01	< 10	32	< 10	4	47
608.104	61799	8.3	0.25	3869	7	36	< 5	4.66	3	19	98	105	3.03	0.11	< 10	1.87	659	4	<.01	26	425	8	155	< 20	169	<.01	< 10	20	< 10	1	44
608.105	61800	<.2	0.79	335	6	34	< 5	3.55	3	19	25	46	4.65	0.17	< 10	1.97	957	< 1	<.01	19	326	< 2	48	< 20	104	<.01	< 10	37	< 10	3	39
608.106	61801	<.2	0.29	82	4	39	< 5	4.82	3	17	15	20	3.98	0.26	< 10	1.92	857	< 1	<.01	8	1051	< 2	94	< 20	123	<.01	< 10	12	< 10	6	23
608.107	61802	<.2	0.66	2244	6	30	6	3.14	2	16	27	35	3.68	0.20	< 10	1.69	603	< 1	<.01	23	464	< 2	75	27	95	<.01	< 10	32	< 10	2	32
608.108	61803	0.9	0.30	239	7	32	< 5	4.51	3	16	18	16	4.14	0.22	< 10	1.91	796	< 1	<.01	8	1001	< 2	72	< 20	116	<.01	< 10	27	< 10	3	30
608.109	61804	<.2	0.31	152	6	33	< 5	4.71	3	20	17	84	4.24	0.21	< 10	2.00	699	< 1	<.01	11	733	< 2	126	25	157	<.01	< 10	31	< 10	2	29
608.110	61805	<.2	0.17	1918	8	17	< 5	6.57	3	9	61	17	3.06	0.06	< 10	3.18	875	< 1	<.01	8	218	18	112	< 20	215	<.01	< 10	20	< 10	2	27
608.111	61806	9.5	0.26	8683	6	27	< 5	5.99	4	20	34	78	4.54	0.19	< 10	2.89	864	< 1	<.01	19	632	17	120	40	208	<.01	< 10	24	< 10	1	35
608.112	61807	4.0	0.73	3294	5	28	6	7.21	3	23	53	96	3.58	0.15	< 10	3.61	781	< 1	<.01	37	750	44	141	< 20	352	<.01	< 10	46	< 10	1	27
608.113	61808	0.7	0.57	2096	4	32	11	5.77	3	19	23	42	4.70	0.13	< 10	3.13	750	< 1	<.01	19	1113	9	109	< 20	297	<.01	< 10	46	< 10	< 1	25
608.114	61809	<.2	1.71	< 5	6	29	8	5.86	2	27	101	109	4.31	0.08	< 10	2.50	707	< 1	0.02	24	816	< 2	59	< 20	147	0.02	< 10	153	< 10	1	28
608.115	61810	<.2	1.51	216	5	24	11	4.31	3	18	52	87	2.93	0.07	< 10	1.86	455	< 1	0.03	19	981	86	80	< 20	98	0.04	< 10	131	< 10	3	65
608.116	61811	<.2	1.72	9	8	51	< 5	3.96	< 1	25	45	97	3.69	0.07	< 10	1.63	419	< 1	0.02	20	1264	< 2	42	< 20	79	0.05	< 10	167	< 10	< 1	18
608.117	61812	<.2	2.19	< 5	7	139	13	3.18	1	27	16	86	5.92	0.12	< 10	1.26	403	< 1	0.02	24	746	< 2	19	< 20	66	0.07	< 10	309	< 10	< 1	21
608.118	61813	<.2	1.97	12	8	68	< 5	4.71	< 1	34	74	126	4.99	0.06	< 10	2.41	592	< 1	0.02	43	1021	< 2	48	< 20	114	0.03	< 10	143	< 10	< 1	23
608.119	61814	<.2	1.29	< 5	7	40	< 5	4.33	< 1	17	98	42	2.73	0.03	< 10	1.96	491	< 1	0.02	21	872	3	71	< 20	102	0.04	< 10	103	< 10	2	18
608.120	61815	<.2	2.50	17	7	60	< 5	2.63	< 1	28	85	75	5.19	0.06	< 10	2.70	601	< 1	0.02	24	1033	< 2	58	< 20	63	0.09	< 10	197	< 10	3	35

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ETX	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Se	Sr	TiZ	U	V	W	Y	Zn
608.121	61816	<.2	2.23	< 5	8	47	18	2.36	< 1	23	37	92	4.71	0.05	< 10	1.83	420	< 1	0.02	16	1404	< 2	24	< 20	50	0.08	< 10	180	< 10	3	21
608.122	61817	1.8	1.39	1770	6	37	5	4.98	3	29	63	83	4.84	0.14	< 10	2.91	780	< 1	0.01	35	944	24	82	67	169	0.01	< 10	111	< 10	4	29
608.123	61818	<.2	2.21	< 5	4	49	< 5	4.98	< 1	40	78	151	4.46	0.12	< 10	2.83	725	< 1	0.01	54	868	< 2	84	< 20	228	0.03	< 10	119	< 10	2	34
608.124	61819	<.2	2.38	51	7	65	< 5	2.21	< 1	33	95	100	4.69	0.06	< 10	3.44	837	< 1	0.01	66	853	< 2	73	< 20	83	0.07	< 10	133	< 10	5	41

NOTE: > = Greater than  
< = Less than

FAI: Vancouver (Mark Tindall)  
cc: Corona Corporation  
General Delivery  
Litley, B.C.  
ATTN: Gary Roste

  
ECO-TECH LABORATORIES LTD.  
DOUG HOWARD  
B.C. CERTIFIED ASSAYER

ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Se	Sr	TiZ	U	V	W	Y	Zn
608.61	61756	<.2	0.80	<5	7	11	<5	7.92	<1	17	213	25	1.75	0.01	<10	1.60	534	<1	0.01	40	90	3	67	<20	149	0.03	<10	44	<10	<1	14
608.62	61757	<.2	1.98	<5	5	124	<5	8.39	<1	39	272	131	4.80	0.04	<10	4.29	909	<1	<.01	81	223	<2	69	69	192	0.01	<10	116	<10	<1	31
608.63	61758	<.2	2.25	<5	6	23	10	6.73	<1	42	281	35	5.43	0.04	<10	5.54	1022	<1	<.01	84	161	<2	83	42	172	<.01	<10	130	<10	<1	31
608.64	61759	<.2	0.43	1536	7	45	<5	7.86	3	24	85	58	3.85	0.09	<10	3.40	823	<1	<.01	31	538	12	102	<20	183	<.01	<10	61	<10	2	33
608.65	61760	<.2	0.24	86	5	26	21	8.56	3	31	119	37	4.33	0.08	<10	3.80	984	<1	<.01	48	391	<2	85	34	258	<.01	<10	64	<10	<1	27
608.66	61761	<.2	0.19	<5	5	26	20	8.58	2	24	130	14	3.84	0.04	<10	3.91	812	1	0.01	35	468	3	87	30	205	<.01	<10	88	<10	1	22
608.67	61762	<.2	0.59	<5	5	49	<5	4.60	<1	20	26	50	4.47	0.16	<10	2.06	616	1	0.02	10	1614	<2	39	<20	92	<.01	<10	71	<10	4	27
608.68	61763	<.2	0.39	<5	7	139	21	4.60	1	16	21	14	3.24	0.11	30	2.00	698	<1	0.01	15	1352	<2	47	<20	174	<.01	<10	23	<10	4	40
608.69	61764	<.2	0.18	<5	7	22	<5	4.18	1	9	52	45	1.70	0.11	<10	1.62	395	4	<.01	38	248	6	61	<20	94	<.01	<10	9	<10	5	17
608.70	61765	3.2	0.38	551	5	25	<5	3.33	8	13	62	73	2.42	0.17	<10	1.44	405	5	<.01	37	417	130	123	34	100	<.01	<10	16	<10	4	186
608.71	61766	<.2	0.44	32	6	26	<5	4.01	2	19	19	73	3.27	0.17	<10	1.71	469	2	<.01	17	1019	<2	64	30	124	<.01	<10	17	<10	4	20
608.72	61767	<.2	0.62	<5	7	30	<5	5.96	2	32	102	95	4.59	0.15	<10	2.60	701	<1	<.01	37	652	<2	73	22	200	<.01	<10	45	<10	4	25
608.73	61768	<.2	0.24	28	7	59	<5	2.33	1	11	41	61	1.86	0.13	<10	1.23	230	4	<.01	39	305	<2	61	<20	107	<.01	<10	12	<10	3	16
608.74	61769	<.2	0.31	40	7	34	<5	2.72	2	17	66	77	2.32	0.17	<10	1.22	317	5	<.01	29	322	<2	94	<20	127	<.01	<10	16	<10	3	22
608.75	61770	0.3	0.22	20	7	26	<5	3.07	2	14	76	40	2.05	0.16	<10	1.19	346	7	<.01	34	338	2	53	34	112	<.01	<10	9	<10	5	17
608.76	61771	2.6	0.23	638	6	30	12	4.12	3	12	38	30	2.68	0.18	<10	1.34	540	3	<.01	15	709	13	75	<20	156	<.01	<10	6	<10	5	37
608.77	61772	0.2	0.39	132	5	75	<5	2.89	2	13	79	48	2.14	0.11	<10	1.25	410	2	<.01	36	318	10	85	<20	121	<.01	<10	20	<10	3	31
608.78	61773	1.2	0.42	1496	4	37	12	4.46	2	16	46	23	3.49	0.13	<10	1.84	774	<1	<.01	20	820	21	80	<20	126	<.01	<10	32	<10	5	35
608.79	61774	<.2	0.50	23	5	29	<5	3.34	1	15	99	46	2.84	0.10	<10	1.57	400	2	<.01	31	363	4	96	40	109	<.01	<10	33	<10	3	29
608.80	61775	<.2	0.65	142	6	25	5	2.82	1	21	49	97	3.34	0.11	<10	1.55	533	3	<.01	28	464	37	55	52	105	<.01	<10	34	<10	3	40

Eco-Tech Laboratories Ltd.  
 19041 E. Trans Canada Hwy.  
 Kamloops, B.C.  
 V2C 2J3  
 September 5, 1989

CORONA CORPORATION  
 1440, 800 West Pender St.  
 Vancouver, B.C.  
 V6C 2V6  
 ATTN: Mark Tindall

CERTIFICATE OF ANALYSIS ETX 89-638A  
 120 Core Samples, received August 21/89  
 Project # 8120  
 P.O. # 89-0164  
 All values in PPM unless otherwise reported

ETK	DESCRIPTION	Ag	AlI	As	B	Ba	Bi	CaI	Cd	Co	Cr	Cu	FeI	KI	La	MgI	Mn	Mo	NaI	Ni	P	Pb	Sb	Sn	Sr	TiI	U	V	W	Y
638.1	61820	0.5	0.13	486	7	26	42	3.95	1	20	56	58	2.44	0.11	16	1.55	500	4	0.01	22	413	44	117	< 20	141	<.01	< 10	13	< 10	8
638.2	61821	0.4	0.28	69	6	25	16	5.03	3	22	45	89	3.47	0.08	21	2.47	647	< 1	<.01	41	512	53	166	26	181	<.01	< 10	35	< 10	2
638.3	61822	<.2	0.20	66	6	55	8	6.28	1	30	131	35	4.16	0.05	26	3.80	715	< 1	<.01	139	482	61	125	26	267	<.01	< 10	68	< 10	1
638.4	61823	<.2	0.18	183	9	37	< 5	5.25	2	22	9	115	4.87	0.06	31	2.78	695	< 1	<.01	31	1018	59	157	< 20	199	<.01	< 10	81	< 10	< 1
638.5	61824	<.2	0.61	623	6	38	< 5	5.66	2	50	25	234	6.36	0.07	39	3.23	792	< 1	0.01	29	1072	73	215	< 20	184	<.01	< 10	97	< 10	< 1
638.6	61825	<.2	0.68	53	5	46	20	4.25	2	26	11	86	4.59	0.07	30	2.27	609	< 1	0.01	17	914	58	151	21	101	<.01	< 10	73	< 10	1
638.7	61826	<.2	0.18	39	9	37	24	4.56	1	24	51	86	3.96	0.08	26	2.59	697	< 1	<.01	44	608	56	119	< 20	129	<.01	< 10	39	< 10	1
638.8	61827	<.2	1.86	37	8	93	< 5	3.09	< 1	36	129	139	4.66	0.06	33	2.84	722	< 1	0.01	56	1167	72	111	< 20	86	0.04	< 10	103	< 10	3
638.9	61828	<.2	9.53	< 5	7	49	23	2.10	< 1	16	90	94	2.61	0.06	18	1.35	427	4	0.01	29	541	42	70	< 20	68	<.01	< 10	38	< 10	2
638.10	61829	<.2	0.62	< 5	6	40	< 5	2.83	< 1	20	52	147	2.65	0.05	18	1.51	379	< 1	0.01	24	549	44	74	< 20	75	<.01	< 10	48	< 10	2
638.11	61830	<.2	0.30	17	6	36	6	3.32	2	12	45	59	1.96	0.07	13	1.40	318	< 1	<.01	25	459	40	93	< 20	100	<.01	< 10	21	23	3
638.12	61831	0.5	0.13	95	6	28	18	4.18	3	15	20	116	3.10	0.10	20	1.80	430	1	<.01	32	348	45	138	22	163	<.01	< 10	7	< 10	4
638.13	61832	0.5	0.18	53	6	34	< 5	2.72	2	12	52	61	2.03	0.11	14	1.27	356	4	<.01	29	227	40	89	< 20	109	<.01	< 10	9	< 10	3
638.14	61833	<.2	0.44	47	6	45	< 5	4.29	2	22	26	128	3.69	0.10	28	1.90	566	< 1	<.01	20	2280	50	116	< 20	165	<.01	< 10	71	11	5
638.15	61834	0.3	0.19	132	7	29	11	3.46	2	12	36	55	2.28	0.13	18	1.45	512	13	<.01	31	349	39	98	24	197	<.01	< 10	18	< 10	8
638.16	61835	<.2	1.13	124	7	50	< 5	5.59	2	33	9	94	4.33	0.38	31	2.11	769	< 1	<.01	19	636	67	122	< 20	161	0.02	< 10	50	< 10	3
638.17	61836	<.2	1.48	51	7	87	14	3.77	1	19	16	48	3.63	0.30	26	1.92	651	< 1	0.02	17	723	59	99	< 20	112	0.01	< 10	77	< 10	3
638.18	61837	<.2	1.88	175	7	156	18	5.54	2	23	25	74	4.31	0.26	31	2.22	820	< 1	0.03	20	671	75	128	< 20	155	<.01	< 10	82	14	3
638.19	61838	<.2	2.00	71	7	124	20	4.79	1	29	9	52	4.94	0.29	35	2.16	680	< 1	0.02	10	970	73	110	< 20	127	<.01	< 10	104	< 10	2
638.20	61839	<.2	0.62	57	4	69	7	6.75	< 1	29	66	77	4.58	0.11	35	3.43	986	< 1	<.01	49	818	67	122	27	269	<.01	< 10	62	< 10	2

CORDMA CORPORATION  
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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
638.21	61840	<.2	0.57	28	4	56	23	6.10	1	30	17	38	5.29	0.13	39	3.32	997	< 1	<.01	25	862	68	139	< 20	187	<.01	< 10	52	< 10	< 1	34
638.22	61841	0.5	0.72	82	5	39	< 5	6.47	3	28	45	177	5.30	0.12	38	3.30	1160	< 1	<.01	20	686	75	143	< 20	180	<.01	< 10	44	< 10	< 1	45
638.23	61842	<.2	1.12	19	7	42	< 5	6.12	1	31	14	17	5.24	0.17	37	2.97	971	< 1	<.01	14	882	69	130	< 20	130	<.01	< 10	61	< 10	1	32
638.24	61843	0.6	1.57	44	9	67	10	6.11	< 1	29	15	34	4.41	0.15	33	2.49	696	< 1	<.01	14	962	182	136	< 20	200	<.01	< 10	76	< 10	1	30
638.25	61844	<.2	2.06	13	5	93	< 5	3.91	< 1	27	20	73	4.11	0.10	30	2.29	596	< 1	0.01	8	680	69	72	< 20	101	0.03	< 10	118	< 10	< 1	22
638.26	61845	<.2	1.81	47	7	150	< 5	6.58	< 1	21	28	57	3.08	0.10	25	2.15	824	< 1	<.01	7	1020	62	111	< 20	361	0.02	< 10	86	< 10	6	18
638.27	61846	<.2	1.69	< 5	8	46	< 5	2.11	< 1	21	13	43	2.97	0.06	23	1.92	423	< 1	0.01	7	1266	59	84	< 20	47	0.05	< 10	98	< 10	3	16
638.28	61847	<.2	2.03	23	8	46	18	3.40	< 1	23	39	101	3.70	0.06	29	2.52	614	< 1	0.01	12	1278	72	103	< 20	71	0.04	< 10	150	< 10	3	22
638.29	61848	<.2	2.45	24	5	50	< 5	3.77	< 1	29	56	152	4.88	0.09	38	3.41	814	< 1	0.01	15	896	92	175	31	103	0.03	< 10	152	< 10	3	37
638.30	61849	<.2	2.80	11	8	185	16	3.47	< 1	28	56	111	4.64	0.10	35	3.56	736	< 1	<.01	15	788	86	152	29	114	0.03	< 10	144	< 10	< 1	38
638.31	61850	<.2	2.88	37	7	61	16	3.21	< 1	29	57	122	4.76	0.12	37	3.76	890	< 1	<.01	17	1007	84	133	< 20	110	0.04	< 10	175	< 10	3	41
638.32	61851	<.2	2.28	10	3	44	< 5	3.59	< 1	25	51	73	4.41	0.10	35	3.27	730	< 1	<.01	19	1052	82	120	36	123	0.02	< 10	119	< 10	2	29
638.33	61852	<.2	2.38	46	7	30	< 5	3.73	< 1	29	43	121	4.71	0.14	36	3.44	824	< 1	<.01	15	1337	76	127	22	117	0.02	< 10	95	< 10	5	35
638.34	61853	0.3	1.51	93	7	26	19	4.31	3	24	19	100	3.97	0.13	29	2.90	802	< 1	<.01	14	853	68	127	< 20	137	<.01	< 10	52	< 10	4	37
638.35	61854	<.2	2.14	80	8	36	9	3.09	< 1	30	61	140	4.60	0.13	35	3.29	788	< 1	<.01	25	1147	84	132	< 20	107	0.01	< 10	103	< 10	4	42
638.36	61855	<.2	1.96	62	7	35	27	3.66	< 1	29	23	105	4.39	0.18	32	3.10	708	< 1	0.01	14	899	82	124	38	126	0.01	< 10	97	< 10	2	39
638.37	61856	0.5	1.38	608	6	42	11	4.72	2	30	15	131	4.28	0.14	31	2.96	848	< 1	<.01	8	717	69	126	< 20	181	<.01	< 10	50	< 10	2	30
638.38	61857	<.2	1.73	60	6	32	11	3.28	1	25	23	78	4.90	0.12	34	3.41	733	< 1	0.01	10	918	78	164	< 20	126	<.01	< 10	75	11	< 1	41
638.39	61858	<.2	2.72	21	7	52	< 5	5.08	< 1	34	194	67	7.05	0.13	37	4.49	921	< 1	0.02	40	1283	59	137	34	190	<.01	< 10	137	< 10	4	38
638.40	61859	<.2	2.15	< 5	6	74	16	5.10	1	24	49	62	6.55	0.13	32	3.58	863	< 1	0.01	18	816	50	135	< 20	187	<.01	< 10	85	42	1	34



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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
638.41	61860	<.2	1.94	28	5	46	15	6.25	2	27	32	93	7.60	0.16	37	3.70	1147	< 1	<.01	13	711	55	157	< 20	190	<.01	< 10	72	< 10	< 1	47
638.42	61861	<.2	1.99	78	8	29	9	5.46	2	27	31	90	7.47	0.11	36	3.23	1079	< 1	<.01	15	925	45	160	< 20	214	<.01	< 10	103	< 10	< 1	43
638.43	61862	<.2	1.90	< 5	6	25	19	3.77	1	26	47	95	6.87	0.10	34	3.42	1052	< 1	0.02	24	835	51	153	< 20	126	<.01	< 10	120	18	3	58
638.44	61863	0.3	0.87	694	6	24	24	5.54	2	24	27	99	6.42	0.14	32	2.68	980	< 1	<.01	18	1176	47	129	< 20	168	<.01	< 10	49	< 10	3	45
638.45	61864	<.2	2.03	28	9	60	< 5	6.24	< 1	31	38	100	7.93	0.19	44	3.20	1239	< 1	0.03	13	1194	53	121	< 20	147	<.01	< 10	120	23	2	59
638.46	61865	<.2	3.58	< 5	9	28	14	6.75	< 1	35	79	71	8.61	0.05	45	3.86	1153	< 1	<.01	34	726	60	146	< 20	131	<.01	< 10	175	< 10	< 1	40
638.47	61866	<.2	3.22	< 5	8	58	6	2.65	1	30	64	73	6.58	0.04	33	3.11	639	< 1	0.02	30	820	55	113	< 20	40	0.13	< 10	161	24	6	31
638.48	61867	<.2	1.26	261	6	31	17	5.29	3	24	40	50	6.69	0.17	33	2.83	894	< 1	<.01	25	828	53	141	< 20	177	<.01	< 10	62	< 10	< 1	40
638.49	61868	<.2	1.27	293	7	33	34	5.23	2	24	39	46	6.66	0.17	33	2.82	890	< 1	<.01	25	900	56	118	< 20	179	<.01	< 10	62	< 10	< 1	34
638.50	61869	<.2	2.58	9	9	39	16	3.04	< 1	26	60	73	5.70	0.06	29	2.40	617	< 1	0.01	37	695	48	97	< 20	50	0.09	< 10	108	< 10	4	25
638.51	61870	<.2	2.52	37	9	42	6	5.26	1	23	35	37	6.90	0.08	35	2.34	772	< 1	0.02	13	869	45	110	< 20	101	0.03	< 10	104	< 10	1	24
638.52	61871	<.2	1.86	117	7	37	15	5.55	2	24	20	107	7.69	0.10	38	2.67	743	< 1	0.02	15	750	46	113	< 20	121	<.01	< 10	86	< 10	< 1	26
638.53	61872	<.2	2.12	31	8	54	< 5	4.61	1	30	99	98	7.28	0.06	38	2.94	764	< 1	0.02	40	637	47	129	< 20	104	0.03	< 10	136	< 10	2	34
638.54	61873	<.2	2.39	< 5	9	74	< 5	4.45	< 1	31	61	261	6.32	0.07	33	2.21	859	< 1	0.02	37	775	42	118	49	65	0.05	< 10	118	< 10	4	36
638.55	61874	<.2	2.58	< 5	10	52	< 5	3.79	< 1	26	70	128	6.00	0.06	32	2.17	870	< 1	0.04	29	890	43	108	< 20	47	0.13	< 10	150	< 10	7	50
638.56	61875	<.2	2.29	< 5	7	87	20	5.24	< 1	27	63	90	7.20	0.07	38	2.27	1008	< 1	0.04	27	1069	43	87	< 20	80	0.03	< 10	128	< 10	2	50
638.57	61876	<.2	1.77	62	7	62	10	6.08	2	30	85	72	7.07	0.10	36	2.97	1006	< 1	0.02	39	783	45	127	27	149	0.02	< 10	123	13	1	40
638.58	61877	<.2	0.92	21	5	34	< 5	6.24	2	44	60	350	8.55	0.09	43	2.73	1124	< 1	0.01	45	748	42	132	23	132	<.01	< 10	92	< 10	< 1	50
638.59	61878	<.2	1.15	< 5	5	102	16	6.34	1	27	59	59	7.11	0.08	36	3.48	791	< 1	0.02	44	665	45	169	< 20	213	<.01	< 10	93	< 10	< 1	31
638.60	61879	<.2	1.09	< 5	7	93	< 5	5.10	< 1	29	46	65	7.31	0.10	36	3.30	768	< 1	0.02	47	719	44	116	< 20	177	<.01	< 10	96	< 10	< 1	30

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
638.61	61880	<.2	0.36	81	6	40	< 5	8.02	3	24	32	72	6.43	0.10	32	3.68	815	< 1	0.01	32	461	42	154	< 20	322	<.01	< 10	84	< 10	< 1	29
638.62	61881	<.2	0.31	27	5	35	10	7.76	2	24	22	53	6.18	0.12	31	3.21	771	< 1	0.01	24	593	38	149	< 20	230	<.01	< 10	74	< 10	< 1	23
638.63	61882	<.2	0.83	< 5	4	51	18	6.71	< 1	27	54	68	6.62	0.08	34	3.31	812	< 1	0.02	34	566	43	120	32	118	<.01	< 10	134	< 10	< 1	27
638.64	61883	<.2	0.81	< 5	6	68	17	6.18	1	27	57	66	6.93	0.07	36	3.47	767	< 1	0.02	42	614	38	132	< 20	169	<.01	< 10	103	< 10	< 1	22
638.65	61884	<.2	0.33	39	4	30	22	8.01	< 1	20	32	16	5.95	0.07	30	3.40	709	< 1	0.02	17	428	41	130	22	146	<.01	< 10	105	< 10	< 1	18
638.66	61885	<.2	0.49	< 5	6	53	< 5	7.90	< 1	25	36	42	5.99	0.06	32	2.76	809	< 1	0.03	32	832	36	118	< 20	121	<.01	< 10	110	< 10	2	20
638.67	61886	<.2	0.78	< 5	3	60	9	6.49	< 1	22	32	35	6.25	0.07	34	2.65	811	< 1	0.03	18	857	39	119	< 20	108	<.01	< 10	115	22	3	21
638.68	61887	<.2	0.59	< 5	5	62	23	7.37	< 1	27	38	37	6.75	0.06	37	2.73	1020	< 1	0.04	30	1120	38	132	< 20	124	<.01	< 10	126	< 10	4	21
638.69	61888	<.2	0.36	14	3	30	8	5.80	< 1	26	26	47	6.62	0.07	33	2.41	816	< 1	0.01	30	928	32	120	36	95	<.01	< 10	125	14	2	23
638.70	61889	<.2	0.49	26	4	36	16	6.34	2	25	51	92	6.65	0.06	35	2.77	885	< 1	0.02	27	696	33	152	< 20	117	<.01	< 10	121	21	2	27
638.71	61890	<.2	1.34	< 5	5	83	23	5.39	< 1	27	81	72	7.15	0.07	39	2.58	870	< 1	0.03	37	848	41	140	< 20	151	<.01	< 10	141	< 10	3	28
638.72	61891	<.2	1.63	< 5	7	50	17	4.68	< 1	28	67	82	6.83	0.06	38	2.25	899	< 1	0.02	32	998	39	109	< 20	140	0.02	< 10	143	< 10	5	32
638.73	61892	<.2	0.43	112	6	28	11	7.06	4	23	29	45	5.70	0.13	30	2.49	844	< 1	0.02	24	859	32	137	< 20	159	<.01	< 10	79	< 10	3	23
638.74	61893	<.2	1.13	2040	8	35	< 5	6.69	3	34	90	159	6.89	0.10	39	2.94	895	19	<.01	69	1035	45	178	22	205	0.01	< 10	133	< 10	2	65
638.75	61894	<.2	1.67	129	8	50	13	4.30	10	20	105	114	5.76	0.11	36	1.82	563	33	0.02	84	1071	37	78	< 20	88	0.03	< 10	421	< 10	8	294
638.76	61895	<.2	0.41	116	10	59	< 5	3.22	1	11	38	60	3.07	0.12	17	1.40	354	11	<.01	57	199	26	83	< 20	90	<.01	< 10	29	< 10	2	28
638.77	61896	<.2	0.65	61	8	69	7	2.30	3	16	73	94	3.64	0.10	17	1.20	337	14	<.01	100	247	22	81	< 20	53	<.01	< 10	68	< 10	4	49
638.78	61897	<.2	0.46	113	7	35	20	3.66	3	16	60	58	6.35	0.11	24	1.52	548	10	<.01	39	633	22	101	< 20	72	<.01	< 10	69	< 10	1	33
638.79	61898	<.2	1.08	49	8	32	< 5	4.81	3	24	136	162	6.40	0.06	31	2.28	643	35	<.01	74	2383	32	132	< 20	130	<.01	< 10	174	< 10	7	105
638.80	61899	<.2	2.77	55	8	40	23	4.16	3	34	188	138	9.13	0.06	37	3.25	823	23	<.01	88	821	38	140	< 20	116	0.06	< 10	332	52	4	185

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zr
638.81	61900	<.2	0.53	578	8	28	< 5	3.03	6	18	108	96	9.42	0.23	34	1.54	359	127	<.01	172	413	23	125	< 20	109	<.01	< 10	130	< 10	< 1	194
638.82	61901	<.2	1.30	16	6	41	8	3.95	2	23	20	101	8.81	0.13	33	1.91	605	26	0.01	42	1023	20	121	< 20	91	<.01	< 10	98	< 10	1	30
638.83	61902	<.2	1.42	112	6	42	19	5.19	3	28	53	76	8.85	0.12	34	2.89	827	< 1	0.01	44	957	29	137	< 20	151	0.02	< 10	125	< 10	2	30
638.84	61903	<.2	2.07	< 5	9	45	< 5	2.41	1	20	114	128	5.52	0.04	25	1.71	393	7	0.01	51	567	26	80	< 20	40	0.06	< 10	96	14	6	24
638.85	61904	<.2	1.46	< 5	8	29	18	3.97	< 1	29	91	137	7.89	0.06	33	1.92	434	< 1	0.01	21	518	24	108	< 20	134	<.01	< 10	85	< 10	1	16
638.86	61905	<.2	1.18	28	5	40	23	5.98	2	21	98	25	6.09	0.10	27	2.66	636	< 1	<.01	37	505	31	110	< 20	167	<.01	< 10	59	< 10	3	21
638.87	61906	<.2	1.06	< 5	6	83	5	4.57	< 1	9	94	34	3.15	0.07	17	1.14	319	3	<.01	28	180	20	68	< 20	96	<.01	< 10	25	10	4	21
638.88	61907	<.2	1.86	< 5	9	38	16	3.97	< 1	17	65	84	6.73	0.07	30	2.09	736	< 1	0.01	25	634	29	106	< 20	75	0.02	< 10	73	< 10	3	37
638.89	61908	<.2	1.97	37	9	40	18	1.86	< 1	21	78	71	5.84	0.06	25	1.45	400	1	0.01	19	640	26	106	< 20	26	0.09	< 10	81	< 10	7	29
638.90	61909	<.2	2.03	15	9	37	< 5	3.17	2	27	124	161	7.52	0.07	32	2.48	528	17	0.01	77	605	34	129	< 20	91	0.04	< 10	219	< 10	4	79
638.91	61910	<.2	2.23	281	9	50	10	4.96	3	34	143	93	7.51	0.09	29	3.31	760	< 1	0.01	81	823	37	149	< 20	191	0.05	< 10	92	< 10	2	40
638.92	61911	<.2	2.16	< 5	7	52	9	5.01	1	26	142	98	7.32	0.09	29	2.98	722	10	0.01	68	756	37	134	< 20	111	<.01	< 10	122	< 10	2	48
638.93	61912	<.2	2.03	35	9	27	< 5	2.42	< 1	19	90	75	5.35	0.04	22	1.83	344	< 1	0.01	46	481	31	98	< 20	39	0.08	< 10	103	< 10	7	16
638.94	61913	<.2	0.81	68	8	89	7	2.92	3	16	100	68	3.92	0.11	22	1.37	318	8	<.01	81	644	24	87	< 20	64	<.01	< 10	37	< 10	9	19
638.95	61914	<.2	0.62	121	4	67	< 5	2.80	2	14	94	68	2.15	0.10	11	1.31	313	6	<.01	87	614	47	82	< 20	63	<.01	< 10	35	< 10	8	23
638.96	61915	<.2	1.88	17	10	22	8	2.16	< 1	20	122	84	5.00	0.03	21	1.42	309	4	0.01	47	531	25	75	< 20	28	0.08	< 10	95	14	9	17
638.97	61916	<.2	1.77	46	9	31	17	3.60	2	22	78	137	8.14	0.08	34	1.81	817	71	0.01	58	555	27	121	22	80	0.03	< 10	152	< 10	6	49
638.98	61917	<.2	1.78	40	10	28	8	6.06	2	23	102	89	7.42	0.10	29	3.00	796	26	<.01	54	569	41	129	< 20	143	<.01	< 10	81	< 10	3	54
638.99	61918	<.2	1.34	102	4	24	< 5	5.69	2	22	94	86	3.90	0.09	10	2.79	751	26	<.01	52	458	80	190	< 20	137	<.01	< 10	73	14	3	53
638.100	61919	<.2	2.61	7	7	38	< 5	4.79	< 1	24	89	148	7.39	0.10	27	2.82	756	< 1	<.01	39	546	34	89	< 20	78	<.01	< 10	79	< 10	< 1	48

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
638.101	61920	<.2	3.01	16	5	97	28	7.15	< 1	38	307	38	9.14	0.06	36	5.37	1077	< 1	<.01	121	535	40	134	< 20	201	<.01	< 10	99	< 10	< 1	37
638.102	61921	<.2	2.36	69	8	88	< 5	7.29	3	36	269	65	7.49	0.05	28	5.56	986	< 1	<.01	135	384	42	149	< 20	401	0.02	< 10	76	< 10	< 1	32
638.103	61922	<.2	1.31	948	8	90	12	2.22	3	19	46	80	5.48	0.14	21	1.52	416	< 1	<.01	40	284	26	78	< 20	74	<.01	< 10	38	< 10	1	47
638.104	61923	<.2	1.73	22	5	165	< 5	2.56	< 1	18	39	73	5.42	0.14	21	1.30	432	< 1	<.01	25	302	24	85	20	130	0.01	< 10	44	< 10	2	54
638.105	61924	<.2	2.21	< 5	9	99	9	1.85	2	20	46	73	7.68	0.16	28	1.66	410	< 1	0.01	19	845	30	90	< 20	61	0.03	< 10	65	< 10	5	70
638.106	61925	<.2	1.83	11	8	120	11	2.00	1	20	53	65	7.21	0.15	27	1.83	364	< 1	0.01	19	655	30	110	< 20	68	0.01	< 10	60	< 10	2	54
638.107	61926	<.2	2.14	13	7	95	10	2.79	1	25	72	93	6.85	0.09	26	1.97	629	< 1	0.02	40	625	28	99	< 20	63	0.05	< 10	112	< 10	5	50
638.108	61927	<.2	1.76	2773	4	62	14	4.07	2	25	42	134	8.12	0.15	29	2.24	731	< 1	0.02	18	590	29	125	24	128	<.01	< 10	89	< 10	< 1	30
638.109	61928	<.2	2.67	177	6	58	16	4.02	2	27	56	74	8.92	0.09	33	3.62	698	< 1	0.02	23	597	34	148	< 20	127	<.01	< 10	126	< 10	2	35
638.110	61929	<.2	2.53	13	7	93	5	3.15	< 1	28	41	225	7.49	0.09	27	2.22	844	< 1	0.03	14	942	27	127	< 20	59	0.05	< 10	115	< 10	5	28
638.111	61930	<.2	1.92	42	4	76	< 5	2.95	< 1	28	40	217	3.97	0.08	11	2.11	804	< 1	0.02	9	815	76	109	< 20	56	0.04	< 10	107	< 10	4	31
638.112	61931	<.2	2.09	< 5	8	107	24	3.97	1	21	36	82	7.64	0.15	28	2.74	916	< 1	0.01	12	855	32	113	< 20	103	0.02	< 10	96	< 10	5	33
638.113	61932	<.2	0.35	100	5	55	19	4.88	2	22	14	80	7.72	0.15	27	2.67	744	< 1	<.01	7	842	25	140	< 20	116	<.01	< 10	46	< 10	2	32
638.114	61933	<.2	1.89	< 5	5	29	10	6.91	2	30	124	124	9.27	0.09	33	3.23	961	< 1	<.01	39	677	31	127	26	168	<.01	< 10	81	< 10	< 1	37
638.115	61934	<.2	0.30	< 5	4	44	19	5.58	< 1	24	28	102	7.77	0.16	26	2.91	866	< 1	0.01	18	861	29	194	20	111	<.01	< 10	49	< 10	3	33
638.116	61935	<.2	0.96	83	4	35	8	4.43	4	28	24	53	8.52	0.17	29	2.69	848	< 1	<.01	14	1111	22	138	< 20	128	<.01	< 10	64	< 10	3	38
638.117	61936	<.2	2.98	< 5	4	27	< 5	9.35	1	24	54	30	9.43	0.07	37	3.57	1397	< 1	<.01	12	456	39	178	< 20	163	<.01	< 10	86	< 10	3	51
638.118	61937	<.2	2.50	26	6	26	< 5	6.24	1	28	5	210	9.44	0.14	35	2.66	1092	< 1	<.01	4	943	28	153	< 20	173	<.01	< 10	63	< 10	2	41
638.119	61938	<.2	2.94	< 5	6	28	23	9.39	1	31	41	74	10.87	0.11	42	3.65	1390	< 1	<.01	7	693	33	138	42	190	<.01	< 10	80	< 10	2	58
638.120	61939	<.2	3.32	23	8	28	17	4.16	< 1	28	73	96	8.70	0.06	32	3.50	1002	< 1	<.01	16	781	33	117	22	93	0.02	< 10	147	< 10	< 1	40

NOTE: < = less than

cc: Corona Corporation  
 General Delivery  
 Likely, B.C.  
 ATTN: Gary Roste

  
 ECO-TECH LABORATORIES LTD.  
 DOUG HOWARD  
 B.C. CERTIFIED ASSAYER

Eco-Tech Laboratories Ltd.  
 10041 E. Trans Canada Hwy.  
 Kamloops, B.C.  
 V2C 2J3  
 September 26, 1989

CORONA CORPORATION  
 1440 - 800 West Pender St.  
 Vancouver, B.C.  
 V2C 2V6  
 ATTN: Tony Ransom

CERTIFICATE OF ANALYSIS ETK 89-662A  
 226 Split Core Samples, received August 28/89  
 Project # 8120  
 P.O. # 0166  
 All values in PPM unless otherwise reported

ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Se	Sr	TiZ	U	V	W	Y	Zn
562.1	61940	<.2	2.94	140	6	42	21	6.75	< 1	42	157	88	5.62	0.09	18	3.84	970	< 1	0.01	38	134	97	< 5	27	176	0.04	< 10	188	< 10	< 1	55
562.2	61941	<.2	3.19	116	7	34	< 5	8.76	< 1	38	172	18	5.61	0.08	19	3.89	1435	< 1	<.01	42	55	95	< 5	< 20	190	0.05	< 10	193	< 10	< 1	53
562.3	61942	<.2	2.81	100	7	34	14	8.06	< 1	38	151	21	5.27	0.07	17	3.26	1169	< 1	<.01	44	82	84	< 5	< 20	182	0.06	< 10	186	< 10	< 1	38
562.4	61943	<.2	2.60	34	14	64	18	3.65	< 1	38	147	23	5.48	0.08	16	2.90	752	< 1	0.01	44	120	85	< 5	43	107	0.09	< 10	203	< 10	< 1	39
562.5	61944	<.2	2.47	37	7	43	< 5	4.34	< 1	34	108	55	5.26	0.09	15	2.57	732	< 1	0.01	40	231	77	< 5	< 20	127	0.07	< 10	181	< 10	< 1	38
562.6	61945	<.2	2.74	58	10	34	13	6.40	< 1	35	109	41	5.30	0.10	16	3.18	884	< 1	<.01	36	239	87	< 5	< 20	176	0.03	< 10	175	< 10	< 1	39
562.7	61946	<.2	2.42	99	8	36	27	3.54	< 1	34	189	41	4.93	0.08	14	2.76	777	< 1	0.02	47	149	80	< 5	< 20	90	0.09	< 10	169	< 10	< 1	41
562.8	61947	<.2	2.73	147	10	31	< 5	4.26	< 1	38	188	74	5.26	0.08	15	3.11	951	< 1	0.01	44	289	88	< 5	< 20	93	0.07	< 10	160	< 10	< 1	48
562.9	61948	0.5	1.93	341	8	29	7	6.73	8	33	115	89	5.35	0.10	18	3.93	1519	< 1	<.01	33	575	90	< 5	< 20	184	<.01	< 10	98	< 10	< 1	302
562.10	61949	<.2	3.19	66	6	42	8	7.29	4	36	95	176	6.02	0.11	19	3.11	1522	< 1	<.01	20	582	93	< 5	24	148	<.01	< 10	164	< 10	< 1	315
562.11	61950	<.2	3.80	169	10	45	31	5.76	< 1	36	79	54	6.72	0.08	21	3.77	1586	< 1	<.01	24	541	105	< 5	129	138	0.01	< 10	233	< 10	< 1	61
562.12	61951	<.2	3.43	37	8	31	16	7.65	< 1	33	84	29	6.05	0.11	19	3.23	1665	< 1	<.01	22	541	101	< 5	< 20	153	0.01	< 10	187	< 10	< 1	74
562.13	61952	<.2	2.85	67	7	33	7	5.90	1	32	72	44	5.66	0.12	18	2.67	1197	< 1	0.01	13	796	87	< 5	< 20	135	0.03	< 10	170	< 10	< 1	50
562.14	61953	<.2	3.19	90	8	50	21	4.99	< 1	38	83	70	6.35	0.08	18	2.75	979	< 1	0.01	27	460	88	< 5	51	117	0.07	< 10	199	< 10	< 1	44
562.15	61954	<.2	2.84	98	7	59	13	5.10	2	35	81	58	6.10	0.08	18	2.80	1116	< 1	0.01	27	729	87	< 5	31	166	0.02	< 10	171	< 10	< 1	243
562.16	61955	<.2	3.29	48	7	34	< 5	5.38	< 1	35	134	143	6.03	0.08	16	3.25	1222	< 1	0.02	31	551	96	< 5	< 20	117	0.08	< 10	196	< 10	< 1	76
562.17	61956	<.2	3.13	94	9	37	10	6.47	1	34	124	81	5.58	0.05	15	3.27	1182	< 1	0.01	33	529	94	< 5	43	140	0.08	< 10	202	< 10	< 1	51
562.18	61957	<.2	2.53	66	10	22	20	4.38	< 1	33	121	51	5.07	0.04	14	2.80	867	< 1	0.02	36	641	84	< 5	< 20	96	0.08	< 10	182	< 10	< 1	30
562.19	61958	<.2	2.46	27	8	26	< 5	6.15	1	29	126	61	4.39	0.07	12	2.82	1175	< 1	0.01	29	612	84	< 5	< 20	132	0.04	< 10	125	< 10	< 1	60
562.20	61959	<.2	3.42	106	6	35	30	5.72	< 1	37	149	133	6.05	0.09	17	3.73	1421	< 1	0.02	36	405	104	< 5	31	136	0.05	< 10	193	< 10	< 1	60

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
662.21	61960	<.2	3.25	88	8	35	< 5	7.33	< 1	38	144	235	5.92	0.09	17	3.45	1519	< 1	<.01	36	415	99	< 5	47	136	0.06	< 10	184	< 10	< 1	69
662.22	61961	1.0	1.51	1186	7	33	< 5	7.07	4	26	45	88	5.40	0.13	18	3.12	2229	< 1	<.01	11	931	122	< 5	< 20	200	<.01	< 10	62	< 10	5	77
662.23	61962	0.7	2.03	1006	6	34	< 5	6.44	4	29	53	111	5.65	0.13	18	2.92	1716	< 1	<.01	11	877	87	< 5	31	166	<.01	< 10	93	< 10	3	74
662.24	61963	0.9	1.62	1231	3	30	< 5	7.72	6	28	74	123	6.07	0.00	17	3.53	2028	< 1	<.01	20	525	92	10	< 20	180	<.01	< 10	90	< 10	< 1	150
662.25	61964	0.5	3.39	111	7	27	< 5	6.45	< 1	36	40	346	6.66	0.10	20	3.08	1775	< 1	<.01	13	701	97	< 5	< 20	133	0.02	< 10	153	< 10	2	141
662.26	61965	<.2	2.97	103	5	35	10	7.45	< 1	35	102	93	5.72	0.10	17	3.56	1500	< 1	<.01	29	680	92	< 5	24	323	<.01	< 10	97	< 10	< 1	52
662.27	61966	0.7	2.70	251	6	41	7	6.86	4	34	64	97	5.64	0.14	18	2.87	1280	< 1	<.01	29	956	117	< 5	< 20	259	<.01	< 10	85	< 10	< 1	56
662.28	61967	2.8	3.14	179	9	45	18	6.01	5	38	88	240	7.09	0.14	20	3.45	1678	< 1	0.01	27	1162	148	30	< 20	180	0.02	< 10	202	< 10	< 1	155
662.29	61968	<.2	3.78	203	9	26	25	8.04	1	35	157	116	6.42	0.07	19	4.09	1857	< 1	<.01	40	552	111	< 5	55	172	<.01	< 10	220	< 10	< 1	78
662.30	61969	<.2	3.63	129	9	26	< 5	7.98	< 1	35	110	191	6.38	0.12	18	3.47	1784	< 1	<.01	29	857	106	< 5	31	163	<.01	< 10	195	51	< 1	75
662.31	61970	<.2	3.55	102	7	39	< 5	7.67	< 1	39	112	212	6.61	0.12	19	3.55	1673	< 1	<.01	29	1037	105	< 5	< 20	160	0.04	< 10	222	< 10	< 1	56
662.32	61971	<.2	3.23	44	7	39	< 5	6.76	< 1	39	93	267	6.49	0.12	18	3.07	1551	< 1	0.01	18	1403	104	< 5	< 20	146	0.05	< 10	226	< 10	< 1	50
662.33	61972	<.2	2.92	81	5	21	7	4.89	< 1	38	157	104	5.71	0.04	15	2.92	904	< 1	0.01	36	840	93	< 5	< 20	138	0.07	< 10	171	< 10	< 1	36
662.34	61973	0.4	2.69	383	7	38	11	4.60	3	32	129	124	5.48	0.07	14	2.59	791	< 1	0.01	24	768	101	< 5	< 20	118	0.05	< 10	161	< 10	< 1	34
662.35	61974	<.2	3.01	129	7	20	18	5.53	2	29	93	90	5.75	0.07	16	2.93	969	< 1	0.01	18	1083	95	< 5	39	152	0.02	< 10	155	< 10	< 1	43
662.36	61975	<.2	2.94	59	11	24	< 5	5.69	1	33	202	178	5.02	0.06	13	3.35	1120	< 1	0.01	42	469	95	< 5	< 20	121	0.07	< 10	158	< 10	< 1	44
662.37	61976	<.2	2.85	119	8	22	< 5	5.09	< 1	36	222	414	4.93	0.07	13	3.30	882	< 1	0.02	42	499	94	< 5	< 20	132	0.07	< 10	148	< 10	< 1	38
662.38	61977	<.2	3.33	122	6	41	21	8.02	< 1	40	178	177	5.55	0.08	17	3.70	1140	< 1	<.01	40	560	100	< 5	< 20	338	0.02	< 10	137	47	< 1	45
662.39	61978	<.2	3.54	78	9	22	16	8.34	< 1	35	159	39	6.79	0.10	14	3.64	1675	< 1	<.01	40	490	74	< 5	43	183	0.01	< 10	125	< 10	< 1	86
662.40	61979	1.6	3.03	824	9	17	< 5	9.29	8	30	125	284	6.49	0.08	14	3.58	1793	< 1	<.01	38	483	94	< 5	< 20	183	<.01	< 10	123	< 10	< 1	171

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ETX	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
2.41	61980	<.2	3.02	340	10	55	< 5	6.49	8	35	156	69	6.97	0.15	13	4.27	1291	< 1	<.01	44	558	80	< 5	< 20	179	0.03	< 10	134	14	< 1	231
2.42	61981	<.2	2.98	71	8	46	6	7.33	1	32	139	43	6.60	0.12	13	3.77	1283	< 1	<.01	40	619	73	< 5	< 20	349	0.02	< 10	116	< 10	< 1	59
2.43	61982	<.2	3.79	95	7	25	< 5	6.23	< 1	38	177	127	7.27	0.06	13	4.17	1182	< 1	<.01	48	527	78	< 5	< 20	170	0.04	< 10	164	13	< 1	72
2.44	61983	18.5	1.21	3763	7	30	7	8.53	11	34	89	81	6.73	0.10	14	3.85	2516	< 1	<.01	48	608	403	85	29	269	<.01	< 10	65	< 10	< 1	219
2.45	61984	<.2	3.02	100	9	41	< 5	5.83	< 1	35	128	115	6.45	0.06	12	2.96	1038	< 1	<.01	29	665	74	< 5	21	155	0.04	< 10	119	< 10	< 1	99
2.46	61985	<.2	2.69	39	10	28	9	2.44	< 1	30	167	70	5.71	0.04	< 10	2.65	537	< 1	0.02	38	539	60	< 5	< 20	67	0.08	< 10	123	< 10	< 1	31
2.47	61986	<.2	3.03	9	8	81	< 5	4.54	< 1	30	49	145	7.55	0.08	14	2.46	888	< 1	0.01	13	1656	63	< 5	43	117	0.05	< 10	146	< 10	1	40
2.48	61987	2.2	2.58	614	6	52	< 5	5.32	5	28	35	161	6.79	0.15	15	2.05	1143	< 1	<.01	6	1673	134	< 5	21	165	<.01	< 10	91	< 10	2	81
2.49	61988	<.2	2.98	104	9	38	< 5	8.70	< 1	27	40	32	6.80	0.07	14	2.26	973	< 1	<.01	8	1538	65	< 5	36	250	0.01	< 10	125	< 10	2	49
2.50	61989	<.2	3.36	66	7	43	< 5	6.50	< 1	29	29	18	7.87	0.14	14	2.63	993	< 1	0.01	15	1177	66	< 5	< 20	216	0.02	< 10	152	< 10	< 1	33
2.51	61990	<.2	3.03	< 5	7	43	< 5	5.39	< 1	30	57	154	7.33	0.09	13	2.62	1067	< 1	0.01	17	1215	69	< 5	32	107	0.07	< 10	174	< 10	< 1	52
2.52	61991	<.2	3.36	39	9	33	< 5	5.59	< 1	32	59	182	7.60	0.08	11	2.76	851	< 1	0.01	17	531	69	< 5	32	152	0.07	< 10	210	< 10	< 1	35
2.53	61992	<.2	3.37	53	7	59	< 5	4.94	< 1	34	52	117	8.24	0.08	15	2.63	821	< 1	0.02	15	2030	69	< 5	< 20	110	0.09	< 10	206	< 10	< 1	42
2.54	61993	<.2	2.87	19	9	66	< 5	3.33	< 1	33	52	160	8.05	0.14	12	2.14	705	< 1	0.04	19	524	66	< 5	43	82	0.10	< 10	229	< 10	< 1	45
2.55	61994	<.2	3.49	44	9	45	< 5	6.46	< 1	34	85	176	7.78	0.13	12	3.19	1016	< 1	0.02	23	516	77	< 5	21	149	0.06	< 10	242	< 10	< 1	44
2.56	61995	<.2	4.16	67	8	93	10	5.47	< 1	26	46	83	5.91	1.06	12	2.15	1002	< 1	0.07	13	1027	73	< 5	21	152	0.06	< 10	144	< 10	3	52
2.57	61996	<.2	2.79	108	7	81	< 5	6.05	< 1	31	52	119	7.29	0.35	14	3.08	1117	< 1	0.01	17	787	75	< 5	46	190	0.02	< 10	138	< 10	< 1	53
2.58	61997	0.7	1.13	105	8	23	12	6.42	3	32	44	135	7.07	0.16	14	2.77	1541	< 1	<.01	25	961	64	< 5	21	170	<.01	< 10	42	< 10	1	65
2.59	61998	2.4	0.31	549	9	25	< 5	7.29	7	33	42	110	6.98	0.14	13	3.22	1549	< 1	<.01	25	900	145	25	21	212	<.01	< 10	37	< 10	< 1	116
2.60	61999	<.2	1.60	163	9	28	< 5	6.51	2	35	55	109	8.00	0.12	14	3.17	1432	< 1	<.01	21	838	66	< 5	43	152	<.01	< 10	100	< 10	< 1	78

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
662.61	62000	0.4	0.49	67	11	27	< 5	6.82	2	35	38	135	7.44	0.12	13	3.07	1359	< 1	<.01	21	840	59	< 5	< 20	177	<.01	< 10	51	< 10	< 1	65
662.62	62001	0.5	0.26	729	8	17	9	8.40	4	34	73	86	7.22	0.14	12	3.53	1489	< 1	<.01	36	602	60	< 5	36	239	<.01	< 10	34	< 10	< 1	37
662.63	62002	0.4	0.48	345	7	32	< 5	8.02	4	34	42	120	7.44	0.19	12	3.50	1213	< 1	<.01	21	513	65	< 5	< 20	268	<.01	< 10	60	< 10	< 1	49
662.64	62003	2.1	0.22	70	9	35	12	2.30	5	7	58	7	2.12	0.15	< 10	0.71	485	4	<.01	8	533	82	< 5	< 20	158	<.01	< 10	2	< 10	1	274
662.65	62004	<.2	2.81	51	9	75	< 5	6.64	< 1	33	61	112	8.02	0.13	14	3.70	1159	< 1	0.01	25	686	71	< 5	57	244	0.02	< 10	206	< 10	< 1	44
662.66	62005	<.2	2.83	34	5	42	< 5	7.33	< 1	40	160	114	7.83	0.10	14	4.27	1189	< 1	<.01	42	656	76	< 5	< 20	213	<.01	< 10	151	< 10	< 1	48
662.67	62006	<.2	0.42	227	9	27	< 5	6.88	4	33	44	82	7.36	0.18	13	3.03	1270	< 1	<.01	15	771	54	10	< 20	194	<.01	< 10	61	< 10	< 1	46
662.68	62007	1.1	0.20	2171	9	21	< 5	6.37	4	18	20	56	5.23	0.13	11	2.49	1238	< 1	<.01	8	1004	51	5	< 20	147	<.01	< 10	17	< 10	1	25
662.69	62008	2.0	0.26	7016	9	17	32	8.32	5	22	31	54	6.23	0.15	12	3.25	1677	< 1	<.01	8	909	125	10	< 20	182	<.01	< 10	25	< 10	< 1	33
662.70	62009	0.9	0.83	2287	8	31	< 5	6.14	4	24	27	101	6.40	0.16	12	2.43	1478	< 1	<.01	8	799	64	< 5	< 20	203	<.01	< 10	47	< 10	< 1	59
662.71	62010	<.2	1.64	49	5	49	< 5	5.84	< 1	22	31	98	5.92	0.23	15	2.12	1210	< 1	<.01	8	1128	58	< 5	< 20	159	<.01	< 10	64	< 10	1	51
662.72	62011	0.4	1.17	158	6	61	11	6.47	1	32	37	122	6.47	0.17	14	2.46	1220	< 1	<.01	17	1103	56	< 5	36	182	<.01	< 10	86	< 10	< 1	44
662.73	62012	1.3	0.76	1920	7	31	< 5	9.49	5	31	60	78	7.54	0.14	14	4.12	2221	< 1	<.01	29	480	71	5	50	223	<.01	< 10	120	< 10	< 1	38
662.74	62013	<.2	1.11	74	6	43	< 5	5.98	< 1	39	86	154	8.32	0.10	17	3.39	1302	< 1	0.01	27	596	65	< 5	< 20	173	<.01	< 10	172	< 10	< 1	50
662.75	62014	<.2	0.43	78	10	42	< 5	7.82	1	26	56	41	6.25	0.08	13	3.65	1121	< 1	0.01	21	408	63	< 5	< 20	145	<.01	< 10	118	< 10	< 1	46
662.76	62015	<.2	0.72	32	9	49	< 5	6.80	< 1	40	115	64	7.88	0.06	14	3.76	1187	< 1	0.01	44	239	64	< 5	64	133	<.01	< 10	191	< 10	< 1	51
662.77	62016	<.2	2.90	34	9	57	19	7.57	< 1	46	195	67	7.12	0.07	18	4.93	1259	< 1	<.01	71	240	107	< 5	< 20	219	<.01	< 10	187	< 10	< 1	55
662.78	62017	0.3	1.21	435	9	76	16	7.13	4	38	95	47	6.70	0.11	17	4.04	1364	< 1	<.01	44	459	79	< 5	64	167	<.01	< 10	125	< 10	< 1	52
662.79	62018	0.5	0.22	140	8	35	< 5	10.01	3	21	55	34	4.87	0.09	13	4.12	1138	< 1	0.01	20	451	69	< 5	39	170	<.01	< 10	66	< 10	< 1	39
662.80	62019	1.4	0.31	247	7	29	< 5	8.50	4	30	67	84	5.30	0.09	14	3.67	1157	< 1	<.01	38	500	63	< 5	< 20	166	<.01	< 10	70	< 10	< 1	43



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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	HgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
62.81	62020	0.9	0.50	58	5	36	6	8.46	2	39	109	67	6.07	0.06	16	4.01	1113	< 1	<.01	67	460	71	< 5	< 20	159	<.01	< 10	96	< 10	< 1	56
62.82	62021	<.2	1.47	93	9	89	6	7.27	< 1*	47	125	46	7.34	0.07	18	4.28	1295	< 1	<.01	51	168	79	< 5	< 20	139	<.01	< 10	162	< 10	< 1	62
62.83	62022	<.2	0.82	40	10	37	< 5	6.58	< 1	32	69	74	5.97	0.16	18	3.03	1363	< 1	<.01	31	790	66	< 5	29	139	<.01	< 10	101	< 10	< 1	54
62.84	62023	<.2	3.18	12	7	59	< 5	7.07	< 1	31	131	92	5.85	0.15	19	3.79	1237	< 1	<.01	29	1177	85	< 5	< 20	185	<.01	< 10	109	20	< 1	51
62.85	62024	<.2	2.97	75	7	91	< 5	8.26	< 1	31	116	164	5.87	0.16	19	3.44	1354	< 1	<.01	33	988	80	< 5	46	212	<.01	< 10	142	< 10	< 1	49
62.86	62025	0.3	3.40	57	8	37	21	9.62	< 1	38	139	122	6.60	0.12	20	3.75	1581	< 1	<.01	36	987	96	< 5	29	317	<.01	< 10	139	45	< 1	65
62.87	62026	<.2	2.54	20	9	52	< 5	2.35	< 1	32	60	214	5.50	0.71	16	2.23	514	< 1	0.07	24	878	72	< 5	< 20	61	0.15	< 10	168	71	7	38
62.88	62027	<.2	2.17	65	13	95	< 5	1.23	< 1	18	155	102	3.85	0.94	13	1.94	351	< 1	0.06	53	428	65	< 5	< 20	38	0.16	< 10	98	< 10	10	30
62.89	62028	<.2	3.75	55	7	177	12	3.23	< 1	19	185	46	4.08	1.24	14	3.33	617	< 1	0.10	118	778	88	< 5	< 20	120	0.15	< 10	104	< 10	6	36
62.90	62029	<.2	2.29	10	12	101	< 5	1.15	< 1	20	149	99	3.89	0.81	13	1.95	314	4	0.06	44	698	66	< 5	21	51	0.14	< 10	116	< 10	10	30
62.91	62030	<.2	1.77	16	10	44	< 5	2.57	< 1	17	147	132	3.08	0.37	12	1.53	386	3	0.04	89	503	54	< 5	< 20	57	0.05	< 10	79	15	6	23
62.92	62031	<.2	2.29	58	10	52	< 5	2.23	< 1	17	154	68	2.77	0.61	11	1.40	297	4	0.05	87	376	59	< 5	< 20	71	0.09	< 10	84	< 10	8	23
62.93	62032	<.2	4.15	58	9	53	< 5	4.53	< 1	32	104	217	5.27	0.48	16	2.24	611	< 1	0.09	47	864	87	< 5	< 20	98	0.08	< 10	159	< 10	3	29
62.94	62033	<.2	2.72	56	9	30	< 5	3.64	< 1	26	100	230	4.29	0.43	12	1.75	426	< 1	0.05	62	665	63	< 5	< 20	52	0.06	< 10	94	17	2	22
62.95	62034	<.2	2.50	538	9	45	< 5	3.26	2	20	106	112	3.65	0.63	12	1.51	352	3	0.04	82	510	77	< 5	< 20	54	0.08	< 10	102	< 10	7	26
62.96	62035	<.2	1.92	20	9	28	< 5	2.98	< 1	16	148	107	2.81	0.24	< 10	1.19	342	7	0.03	76	296	51	< 5	< 20	51	0.05	< 10	81	< 10	4	18
62.97	62036	<.2	3.56	95	12	46	< 5	3.41	< 1	38	101	363	7.38	0.56	20	1.99	456	2	0.10	64	774	86	< 5	32	87	0.08	< 10	175	< 10	2	27
62.98	62037	<.2	2.01	21	10	48	< 5	2.11	< 1	13	179	110	3.04	0.38	11	1.30	265	7	0.05	89	388	61	< 5	< 20	44	0.05	< 10	104	< 10	8	26
62.99	62038	<.2	1.50	25	10	30	< 5	2.10	< 1	15	241	163	4.06	0.21	17	0.98	357	26	0.04	124	704	52	< 5	39	39	0.04	< 10	271	< 10	14	44
62.100	62039	2.1	2.33	206	8	39	< 5	3.97	4	22	206	230	5.95	0.28	20	1.79	666	5	0.05	102	2233	374	< 5	< 20	89	0.04	< 10	185	53	12	72

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ETK	DESCRIPTION	Ag	AlI	As	B	Ba	Bi	CaI	Cd	Co	Cr	Cu	FeI	KI	La	MgI	Mn	Mo	NaI	Ni	P	Pb	Sb	Sn	Sr	TiI	U	V	W	Y	Zn
662.101	62040	<.2	2.44	92	8	47	< 5	1.29	< 1	18	254	175	5.04	0.76	15	1.79	314	10	0.07	80	486	77	< 5	< 20	49	0.12	< 10	275	59	9	40
662.102	62041	<.2	1.70	< 5	12	38	< 5	1.75	2	34	246	329	5.76	0.37	20	1.19	275	57	0.05	160	895	61	< 5	< 20	36	0.11	< 10	589	< 10	17	150
662.103	62042	<.2	2.50	27	8	60	< 5	4.23	6	27	172	212	4.32	0.27	18	1.50	535	60	0.10	120	1251	65	< 5	< 20	111	0.11	< 10	469	< 10	10	282
662.104	62043	1.5	1.84	792	15	74	< 5	2.38	14	19	219	169	3.24	0.46	16	1.25	409	85	0.06	144	943	483	5	< 20	63	0.10	< 10	743	42	16	653
662.105	62044	<.2	2.46	88	11	54	< 5	2.22	3	33	171	207	4.83	0.56	15	1.76	397	13	0.10	93	1298	77	< 5	< 20	87	0.14	< 10	284	< 10	6	196
662.106	62045	<.2	1.56	36	11	58	< 5	1.91	2	20	222	125	3.33	0.38	12	1.34	307	35	0.04	147	770	56	< 5	< 20	46	0.08	< 10	339	22	9	176
662.107	62046	<.2	1.81	63	15	43	< 5	2.47	3	31	184	248	5.06	0.32	20	1.31	310	116	0.06	238	855	62	< 5	< 20	75	0.12	< 10	699	< 10	14	203
662.108	62047	<.2	1.94	23	10	27	< 5	3.12	1	28	120	145	4.21	0.10	12	1.84	413	< 1	0.06	40	1336	66	< 5	< 20	107	0.09	< 10	103	< 10	2	23
662.109	62048	<.2	1.86	167	11	27	< 5	3.08	2	30	123	143	4.47	0.13	13	1.88	480	< 1	0.06	42	1342	93	< 5	21	89	0.10	< 10	105	< 10	3	40
662.110	62049	<.2	1.65	5	8	17	< 5	2.68	< 1	31	104	139	4.41	0.06	12	1.48	377	< 1	0.05	44	1463	67	< 5	29	86	0.08	< 10	76	< 10	2	16
662.111	62050	<.2	1.75	< 5	11	24	< 5	2.46	< 1	36	113	149	4.84	0.09	13	1.56	385	< 1	0.06	42	1488	67	< 5	< 20	86	0.09	< 10	87	39	2	18
662.112	62051	<.2	1.85	< 5	8	42	16	1.86	< 1	38	237	90	3.58	0.49	< 10	2.40	276	< 1	0.04	147	1021	71	< 5	< 20	62	0.07	< 10	55	< 10	< 1	21
662.113	62052	<.2	1.51	< 5	9	101	< 5	0.59	< 1	11	190	54	2.05	0.63	< 10	1.20	161	6	0.03	73	310	57	< 5	< 20	26	0.08	< 10	60	< 10	6	22
662.114	62053	<.2	2.34	84	8	73	11	1.39	< 1	18	163	84	2.82	0.77	< 10	1.46	229	< 1	0.08	73	792	74	< 5	< 20	56	0.08	< 10	68	< 10	11	26
662.115	62054	<.2	2.87	< 5	10	51	< 5	1.58	< 1	32	161	162	5.83	0.84	12	2.49	447	< 1	0.07	39	605	62	< 5	< 20	60	0.15	< 10	137	< 10	6	27
662.116	62055	<.2	3.09	12	9	65	< 5	2.92	< 1	38	266	230	6.04	1.29	11	3.74	545	< 1	0.02	149	619	86	< 5	< 20	65	0.09	< 10	96	< 10	< 1	34
662.117	62056	<.2	2.79	< 5	9	76	< 5	1.99	< 1	38	233	101	4.13	1.34	< 10	3.74	317	< 1	0.02	188	495	69	< 5	26	60	0.07	< 10	46	< 10	< 1	25
662.118	62057	<.2	3.51	19	9	157	17	2.90	< 1	32	221	72	3.85	1.35	< 10	3.37	397	< 1	0.05	161	686	71	< 5	< 20	140	0.10	< 10	56	< 10	2	27
662.119	62058	<.2	3.36	108	6	86	< 5	2.96	< 1	40	199	139	4.66	1.25	< 10	3.74	388	< 1	0.04	184	670	75	< 5	< 20	384	0.07	< 10	63	< 10	< 1	27
662.120	62059	<.2	2.43	60	9	64	< 5	5.02	< 1	42	191	212	5.47	0.47	< 10	3.16	492	< 1	0.04	98	811	64	< 5	< 20	343	0.05	< 10	86	< 10	< 1	26

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662.121	62060	<.2	2.92	32	9	109	< 5	3.73	< 1	27	216	80	4.30	0.84	< 10	3.47	525	< 1	0.06	129	689	72	< 5	26	248	0.08	< 10	75	< 10	2	33
662.122	62061	0.2	2.49	50	4	53	< 5	3.35	< 1	37	116	242	4.95	0.49	10	2.31	356	4	0.08	73	1060	60	< 5	< 20	164	0.06	< 10	70	< 10	< 1	19
662.123	62062	<.2	2.65	60	6	48	< 5	3.15	< 1	24	40	184	5.37	0.36	11	1.57	345	< 1	0.12	16	1113	55	< 5	< 20	200	0.07	< 10	98	< 10	1	23
662.124	62063	<.2	1.73	< 5	8	146	6	0.63	< 1	12	178	39	2.76	0.74	< 10	1.20	173	5	0.05	65	234	42	< 5	< 20	40	0.11	< 10	64	< 10	6	27
662.125	62064	<.2	2.20	43	11	41	< 5	0.95	< 1	43	107	279	5.98	0.84	10	1.58	316	< 1	0.07	27	719	54	< 5	< 20	60	0.12	< 10	109	< 10	3	29
662.126	62065	<.2	1.70	< 5	10	117	< 5	0.29	< 1	13	218	46	2.99	0.87	< 10	1.08	293	14	0.03	55	130	42	< 5	< 20	12	0.10	< 10	45	< 10	4	47
662.127	62066	0.6	1.97	62	10	103	< 5	1.47	< 1	15	161	210	3.71	0.78	< 10	1.28	539	3	0.04	43	378	66	< 5	< 20	56	0.09	< 10	66	< 10	4	43
662.128	62067	2.9	1.49	32	11	111	< 5	0.68	< 1	15	214	80	2.76	0.79	< 10	1.00	326	11	0.03	137	1173	195	< 5	< 20	25	0.10	< 10	50	< 10	18	48
662.129	62068	2.9	1.39	60	9	98	< 5	0.40	< 1	11	190	187	2.60	0.76	< 10	0.90	267	2	0.02	53	228	98	< 5	< 20	16	0.08	< 10	40	< 10	4	54
662.130	62069	0.2	1.57	186	10	105	< 5	1.36	3	11	216	56	2.84	0.79	< 10	1.02	348	9	0.03	49	167	71	< 5	< 20	31	0.09	< 10	47	< 10	4	48
662.131	62070	<.2	2.41	57	8	63	< 5	1.36	< 1	18	126	120	4.38	0.80	< 10	1.28	428	< 1	0.09	29	630	55	< 5	< 20	162	0.11	< 10	84	< 10	5	48
662.132	62071	<.2	1.81	116	8	76	< 5	1.67	< 1	16	167	80	3.78	0.81	< 10	1.37	371	2	0.05	47	527	49	< 5	< 20	64	0.13	< 10	81	< 10	5	46
662.133	62072	<.2	1.95	271	7	22	< 5	5.18	3	36	47	433	7.26	0.11	13	1.62	785	< 1	0.08	27	569	58	< 5	< 20	161	0.04	< 10	64	< 10	< 1	25
662.134	62073	<.2	1.93	45	9	104	< 5	0.87	1	15	134	68	3.36	1.01	< 10	1.41	260	1	0.03	69	313	80	< 5	< 20	24	0.14	< 10	66	< 10	7	47
662.135	62074	<.2	2.10	29	8	101	17	0.92	< 1	12	197	34	2.86	0.89	< 10	1.38	262	3	0.04	45	292	58	< 5	< 20	50	0.13	< 10	54	< 10	8	40
662.136	62075	2.6	1.85	74	6	18	< 5	6.22	2	48	335	479	8.72	0.10	14	2.76	1053	< 1	<.01	145	379	83	< 5	< 20	137	0.02	< 10	74	< 10	< 1	55
662.137	62076	<.2	2.79	< 5	9	46	20	3.07	< 1	31	183	155	5.06	0.24	< 10	2.43	465	3	0.07	86	841	78	< 5	< 20	179	0.07	< 10	81	< 10	< 1	33
662.138	62077	<.2	2.43	62	6	43	< 5	2.82	< 1	30	123	168	5.34	0.40	< 10	2.08	394	< 1	0.07	65	1006	69	< 5	< 20	100	0.09	< 10	89	< 10	1	24
662.139	62078	5.4	1.87	1310	10	56	< 5	2.13	5	25	124	140	4.99	0.50	< 10	1.78	388	< 1	0.06	37	993	416	< 5	< 20	68	0.11	< 10	97	< 10	3	115
662.140	62079	0.2	1.41	145	9	168	< 5	0.67	2	11	169	28	2.44	0.65	< 10	1.12	198	8	0.03	43	209	109	< 5	< 20	25	0.10	< 10	51	17	5	37

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
662.141	62080	<.2	2.17	240	9	35	< 5	2.10	3	31	89	192	5.13	0.37	11	1.18	368	< 1	0.10	49	1200	58	< 5	< 20	104	0.09	< 10	68	< 10	3	24
662.142	62081	<.2	2.12	39	9	63	< 5	1.70	< 1	26	69	114	3.99	0.52	< 10	1.18	282	1	0.09	51	1401	70	< 5	< 20	99	0.11	< 10	77	< 10	3	30
662.143	62082	<.2	2.18	20	8	45	< 5	1.87	< 1	31	74	147	4.68	0.45	< 10	1.17	326	2	0.08	31	1263	55	< 5	23	94	0.11	< 10	95	< 10	4	25
662.144	62083	<.2	2.22	41	11	42	< 5	2.69	< 1	32	63	214	5.31	0.23	< 10	1.46	375	25	0.06	16	1001	61	< 5	< 20	118	0.07	< 10	108	< 10	< 1	23
662.145	62084	<.2	1.95	58	8	37	< 5	2.91	< 1	22	78	139	3.84	0.12	< 10	1.04	388	4	0.10	33	1107	64	< 5	< 20	117	0.09	< 10	92	< 10	4	27
662.146	62085	<.2	1.78	< 5	6	42	< 5	1.82	< 1	19	80	96	3.62	0.28	< 10	0.86	303	< 1	0.08	20	851	52	< 5	< 20	73	0.09	< 10	66	< 10	4	23
662.147	62086	<.2	2.24	37	8	40	< 5	1.77	< 1	23	39	132	4.83	0.53	< 10	0.97	298	< 1	0.09	6	1058	61	< 5	29	100	0.11	< 10	97	< 10	4	24
662.148	62087	<.2	1.46	23	9	85	< 5	0.95	< 1	13	150	61	2.88	0.63	< 10	1.08	232	6	0.04	71	294	56	< 5	< 20	30	0.11	< 10	68	< 10	6	41
662.149	62088	<.2	1.68	24	9	65	< 5	1.10	< 1	16	162	69	3.46	0.62	< 10	1.25	298	3	0.05	31	527	56	< 5	< 20	52	0.13	< 10	64	< 10	6	37
662.150	62089	<.2	1.77	639	8	68	10	0.70	2	15	170	65	3.53	0.81	< 10	1.35	261	7	0.04	65	338	66	< 5	< 20	26	0.14	< 10	72	< 10	7	63
662.151	62090	<.2	2.08	15	7	45	< 5	1.22	< 1	19	117	129	4.32	0.63	< 10	1.34	258	14	0.06	59	560	66	< 5	29	51	0.11	< 10	168	< 10	6	34
662.152	62091	<.2	1.87	145	9	48	7	1.47	3	26	155	98	4.17	0.60	< 10	1.32	367	5	0.06	45	423	75	< 5	< 20	51	0.10	< 10	56	< 10	4	44
662.153	62092	<.2	1.60	< 5	9	109	7	0.97	< 1	14	162	38	2.14	0.81	10	1.42	271	7	0.05	65	360	56	< 5	22	27	0.13	< 10	82	< 10	12	47
662.154	62093	<.2	2.11	33	5	37	< 5	2.82	< 1	10	114	68	1.95	0.18	< 10	0.81	463	5	0.07	35	277	46	< 5	< 20	42	0.06	< 10	29	36	5	29
662.155	62094	1.1	1.85	80	7	106	24	0.80	4	13	166	50	2.28	1.01	11	1.49	295	12	0.06	78	228	132	10	< 20	36	0.16	< 10	118	< 10	10	126
662.156	62095	<.2	2.31	133	9	71	6	1.34	8	19	182	105	3.09	0.91	14	1.64	305	28	0.10	63	488	136	< 5	< 20	53	0.16	< 10	253	< 10	11	262
662.157	62096	<.2	1.76	2110	8	75	< 5	2.80	4	15	149	80	2.60	0.73	16	1.07	325	57	0.07	65	468	66	20	< 20	72	0.10	< 10	392	< 10	10	94
662.158	62097	<.2	1.95	2686	9	48	< 5	2.05	3	23	101	165	3.67	0.53	15	1.26	379	3	0.10	30	692	63	< 5	< 20	78	0.10	< 10	86	< 10	6	31
662.159	62098	<.2	1.98	79	8	45	< 5	2.00	2	25	107	213	3.57	0.33	15	1.14	348	5	0.11	41	546	54	< 5	40	94	0.10	< 10	105	35	5	26
662.160	62099	<.2	2.34	95	9	43	< 5	2.14	< 1	31	98	196	3.97	0.42	15	1.32	388	1	0.11	41	580	61	< 5	33	125	0.10	< 10	79	27	4	33

ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
662.161	62100	<.2	3.81	66	6	63	10	2.69	< 1	31	81	202	5.02	0.89	19	2.02	582	< 1	0.17	31	793	84	< 5	< 20	118	0.16	< 10	158	< 10	4	42
662.162	62101	<.2	2.18	38	8	56	< 5	1.62	< 1	31	49	231	4.50	0.62	18	1.43	362	< 1	0.10	22	1210	64	< 5	29	113	0.16	< 10	113	< 10	5	30
662.163	62102	<.2	2.00	26	8	44	< 5	1.97	< 1	31	57	199	4.72	0.75	17	1.71	485	< 1	0.07	20	1101	60	< 5	< 20	50	0.14	< 10	124	41	4	32
662.164	62103	<.2	1.88	12	8	55	< 5	1.95	< 1	29	84	121	3.01	0.48	12	1.34	333	< 1	0.09	56	1043	54	< 5	< 20	66	0.12	< 10	76	16	4	22
662.165	62104	<.2	1.74	85	6	43	< 5	3.22	1	31	40	213	4.24	0.20	16	1.23	510	< 1	0.08	26	1273	56	< 5	62	109	0.09	< 10	86	42	3	19
662.166	62105	<.2	2.26	284	6	58	18	4.79	4	34	59	113	5.63	0.69	22	2.04	955	< 1	0.06	33	996	69	5	47	232	0.12	< 10	137	< 10	4	41
662.167	62106	<.2	1.76	37	6	49	< 5	4.27	< 1	25	83	159	4.21	0.33	17	1.68	700	< 1	0.05	28	947	57	< 5	22	114	0.09	< 10	96	12	3	24
662.168	62107	<.2	2.12	26	7	60	< 5	3.60	< 1	34	41	160	4.97	0.80	20	1.78	775	< 1	0.08	13	1110	66	< 5	65	159	0.18	< 10	131	< 10	7	36
662.169	62108	<.2	2.30	61	6	41	< 5	3.79	< 1	38	51	385	6.00	0.19	23	1.83	585	< 1	0.09	13	1130	70	< 5	22	135	0.11	< 10	154	< 10	3	26
662.170	62109	<.2	1.72	83	10	47	< 5	5.21	1	27	64	266	4.36	0.26	15	1.69	774	5	0.07	35	679	60	< 5	< 20	171	0.09	< 10	89	25	2	28
662.171	62110	<.2	3.12	55	7	50	< 5	1.64	< 1	32	119	127	5.01	1.85	16	2.83	528	4	0.10	28	491	83	< 5	< 20	90	0.29	< 10	111	< 10	11	45
662.172	62111	<.2	2.52	48	8	35	21	2.02	< 1	40	103	238	5.25	1.25	19	1.94	605	< 1	0.10	24	1731	76	< 5	< 20	68	0.22	< 10	114	53	11	40
662.173	62112	<.2	2.86	79	6	35	< 5	1.11	< 1	44	109	155	6.39	1.39	20	2.33	541	< 1	0.09	33	576	83	< 5	58	117	0.24	< 10	177	< 10	6	74
662.174	62113	<.2	2.24	65	7	49	< 5	2.75	< 1	32	69	182	4.49	0.56	16	1.52	536	3	0.10	26	996	62	< 5	36	164	0.10	< 10	96	< 10	4	40
662.175	62114	<.2	3.31	< 5	9	78	9	1.31	< 1	29	107	99	4.65	1.93	15	2.78	449	< 1	0.10	39	714	85	< 5	40	80	0.25	< 10	145	< 10	11	47
662.176	62115	<.2	1.55	< 5	8	36	< 5	2.27	< 1	37	117	284	4.68	0.36	17	1.40	411	18	0.07	52	755	57	< 5	36	81	0.11	< 10	78	< 10	4	28
662.177	62116	<.2	1.92	47	10	50	< 5	2.31	< 1	31	138	209	4.04	0.53	16	1.74	440	3	0.07	57	1003	62	< 5	< 20	115	0.14	< 10	109	< 10	6	31
662.178	62117	<.2	2.11	6	7	77	5	1.76	< 1	27	158	61	3.01	0.80	12	1.80	390	< 1	0.07	131	593	62	< 5	44	151	0.16	< 10	101	24	8	29
662.179	62118	<.2	2.24	< 5	8	78	11	1.60	< 1	23	203	98	3.39	1.01	15	1.81	427	11	0.09	69	680	64	< 5	29	62	0.20	< 10	135	53	11	42
662.180	62119	<.2	1.63	21	9	45	< 5	3.86	< 1	27	137	224	3.82	0.49	17	1.29	484	25	0.06	76	586	49	< 5	44	66	0.10	< 10	125	< 10	9	37

K	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
2.181	62120	<.2	1.78	25	9	64	< 5	1.49	< 1	26	147	146	3.27	0.64	15	1.51	379	11	0.08	46	865	58	< 5	< 20	56	0.18	< 10	150	< 10	10	35
2.182	62121	<.2	1.62	10	11	49	< 5	2.09	< 1	27	114	192	3.35	0.48	15	1.40	411	3	0.07	59	870	53	< 5	< 20	69	0.13	< 10	109	< 10	6	31
2.183	62122	<.2	1.80	< 5	10	71	< 5	2.93	< 1	21	143	130	2.87	0.48	13	1.75	466	8	0.08	57	850	56	< 5	25	109	0.10	< 10	108	< 10	6	29
2.184	62123	<.2	1.66	28	6	54	7	3.65	< 1	24	101	205	2.86	0.35	13	1.57	480	18	0.05	57	814	55	< 5	44	87	0.09	< 10	152	< 10	6	28
2.185	62124	<.2	1.15	< 5	6	55	6	4.44	< 1	19	95	114	2.82	0.34	13	1.24	548	9	0.03	41	761	47	< 5	33	72	0.07	< 10	95	< 10	8	28
2.186	62125	<.2	1.96	< 5	9	39	< 5	2.55	< 1	36	110	223	3.77	0.59	16	1.60	429	2	0.10	72	1311	58	< 5	< 20	110	0.15	< 10	108	< 10	6	29
2.187	62126	<.2	1.52	8	6	65	< 5	4.42	< 1	24	108	171	3.09	0.52	15	1.63	622	53	0.05	54	892	54	< 5	< 20	74	0.09	< 10	121	< 10	6	36
2.188	62127	<.2	1.52	< 5	9	41	< 5	3.64	< 1	31	95	215	3.06	0.21	14	1.74	537	5	0.05	48	946	59	< 5	29	79	0.08	< 10	104	< 10	6	31
2.189	62128	<.2	1.81	41	10	61	11	3.61	< 1	25	120	201	3.20	0.35	13	1.59	463	5	0.08	56	690	55	< 5	< 20	96	0.10	< 10	106	< 10	4	26
2.190	63001	<.2	1.21	< 5	9	9	17	1.69	< 1	21	176	23	1.67	0.02	< 10	2.22	246	< 1	0.01	70	102	52	< 5	< 20	30	0.04	< 10	23	< 10	< 1	19
2.191	63002	<.2	1.86	< 5	8	16	18	1.36	< 1	30	238	22	2.27	0.01	< 10	2.73	283	< 1	0.02	82	127	47	< 5	< 20	21	0.05	< 10	32	< 10	4	25
2.192	63003	<.2	1.26	< 5	8	< 5	< 5	2.78	< 1	27	184	17	1.91	<.01	< 10	2.13	285	< 1	0.01	69	83	35	< 5	< 20	37	0.03	< 10	31	< 10	< 1	20
2.193	63004	<.2	1.34	< 5	9	< 5	7	2.42	< 1	27	171	28	1.97	<.01	< 10	2.07	306	1	0.02	57	91	36	< 5	< 20	33	0.04	< 10	36	< 10	< 1	19
2.194	63005	<.2	1.52	< 5	7	7	24	3.70	< 1	26	210	20	2.12	<.01	< 10	2.37	411	< 1	0.01	60	130	41	< 5	< 20	59	0.05	< 10	42	< 10	< 1	24
2.195	63006	<.2	1.55	< 5	8	7	< 5	3.52	< 1	26	273	17	2.04	<.01	< 10	2.63	361	< 1	0.01	59	73	43	< 5	< 20	61	0.04	< 10	36	< 10	< 1	23
2.196	63007	<.2	2.00	8	8	17	7	3.81	< 1	32	191	52	3.12	0.03	< 10	2.69	489	< 1	0.02	58	322	45	< 5	48	63	0.07	< 10	93	< 10	2	38
2.197	63008	<.2	3.52	< 5	7	296	15	3.85	< 1	30	141	45	3.53	0.09	10	2.63	510	< 1	0.02	45	229	53	< 5	22	85	0.06	< 10	88	< 10	< 1	33
2.198	63009	<.2	4.83	54	7	1176	< 5	4.30	< 1	38	134	62	4.33	0.03	14	3.64	690	< 1	0.02	38	561	66	< 5	< 20	75	0.10	< 10	127	< 10	1	38
2.199	63010	<.2	3.58	< 5	9	502	7	4.09	< 1	33	105	49	3.64	0.06	12	3.26	623	< 1	0.02	42	469	58	< 5	30	88	0.07	< 10	100	< 10	< 1	36
2.200	63011	<.2	2.96	10	7	113	6	4.09	< 1	35	141	50	4.03	0.07	14	3.18	684	< 1	0.02	46	522	54	< 5	30	90	0.07	< 10	105	< 10	< 1	33

CORONA CORPORATION  
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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KI	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
662.201	63012	<.2	3.09	< 5	4	48	< 5	1.45	< 1	40	103	158	4.80	0.07	14	2.70	417	< 1	0.05	67	244	55	< 5	81	53	0.09	< 10	161	< 10	< 1	40
662.202	63013	<.2	2.47	< 5	9	17	< 5	2.64	< 1	34	162	43	4.07	0.02	13	3.05	492	< 1	0.02	60	210	51	< 5	< 20	59	0.06	< 10	118	< 10	< 1	37
662.203	63014	<.2	2.60	22	9	27	< 5	2.06	< 1	39	128	110	4.92	0.04	14	2.81	450	< 1	0.03	61	152	48	< 5	37	54	0.07	< 10	143	< 10	< 1	48
662.204	63015	<.2	2.98	< 5	4	78	< 5	1.43	< 1	36	107	140	4.36	0.06	12	2.61	402	< 1	0.04	61	137	48	< 5	< 20	66	0.08	< 10	137	< 10	< 1	38
662.205	63016	<.2	3.19	< 5	8	33	13	4.23	< 1	36	111	123	4.36	0.08	13	2.69	690	< 1	0.05	50	238	71	< 5	< 20	92	0.09	< 10	146	< 10	< 1	45
662.206	63017	<.2	3.62	< 5	8	89	< 5	2.41	< 1	33	91	89	4.45	0.11	13	2.27	493	< 1	0.08	46	321	52	< 5	< 20	91	0.08	< 10	146	< 10	< 1	36
662.207	63018	<.2	3.75	< 5	7	93	9	2.45	< 1	33	93	90	4.53	0.12	13	2.33	507	< 1	0.08	48	300	54	< 5	< 20	94	0.09	< 10	151	< 10	< 1	39
662.208	63019	<.2	2.99	< 5	8	31	< 5	3.39	< 1	32	145	154	3.99	0.05	17	2.69	575	< 1	0.05	50	2224	50	< 5	22	77	0.10	< 10	110	< 10	10	48
662.209	63020	<.2	2.24	< 5	8	22	< 5	2.41	< 1	26	126	37	2.91	0.03	< 10	1.96	420	< 1	0.05	45	714	39	< 5	< 20	51	0.08	< 10	73	< 10	3	30
662.210	63021	<.2	2.68	< 5	9	33	< 5	2.30	< 1	41	231	240	4.27	0.02	13	2.72	527	< 1	0.05	75	624	52	< 5	< 20	81	0.11	< 10	107	32	< 1	41
662.211	63022	<.2	2.91	< 5	7	26	< 5	3.63	< 1	43	336	152	4.77	0.08	15	3.23	631	< 1	0.04	91	693	55	< 5	< 20	104	0.08	< 10	105	< 10	< 1	44
662.212	63023	<.2	3.57	< 5	6	38	< 5	2.61	< 1	40	88	109	5.77	0.07	19	3.30	691	< 1	0.04	35	841	56	< 5	26	76	0.15	< 10	231	< 10	5	55
662.213	63024	<.2	3.61	< 5	8	40	12	2.59	< 1	40	87	107	5.75	0.06	20	3.32	703	< 1	0.04	32	830	55	< 5	33	75	0.15	< 10	237	< 10	5	56
662.214	63025	<.2	1.92	< 5	9	18	8	1.76	< 1	52	139	51	3.46	0.03	< 10	2.16	328	< 1	0.03	118	198	41	< 5	33	49	0.05	< 10	56	< 10	< 1	30
662.215	63026	<.2	1.46	< 5	8	10	< 5	1.30	< 1	49	121	38	2.93	<.01	< 10	2.16	279	< 1	0.02	120	132	39	< 5	< 20	34	0.03	< 10	32	< 10	< 1	23
662.216	63027	<.2	1.32	< 5	10	8	10	1.34	< 1	33	216	11	2.46	0.01	< 10	1.98	248	< 1	0.01	97	15	35	< 5	< 20	41	0.03	< 10	36	< 10	< 1	24
662.217	63028	<.2	1.54	< 5	11	6	< 5	1.16	< 1	23	194	6	1.88	<.01	< 10	2.17	277	< 1	0.02	59	114	40	< 5	< 20	33	0.03	< 10	28	< 10	< 1	24
662.218	63029	<.2	2.71	< 5	6	72	< 5	2.81	< 1	40	97	220	3.29	0.07	11	2.20	415	< 1	0.08	37	1044	48	< 5	< 20	101	0.10	< 10	78	23	4	39
662.219	63030	<.2	1.97	< 5	7	49	< 5	2.93	< 1	28	313	27	2.61	0.18	< 10	2.51	407	< 1	0.04	77	445	45	< 5	< 20	106	0.05	< 10	42	< 10	< 1	27
662.220	63031	<.2	2.03	< 5	6	28	< 5	2.64	< 1	31	351	15	2.62	0.11	< 10	2.93	414	< 1	0.03	97	235	51	< 5	44	96	0.05	< 10	27	15	< 1	30

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TK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Ce	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
2.221	63032	<.2	2.12	< 5	9	26	< 5	2.69	< 1	32	365	16	2.73	0.11	< 10	3.07	427	< 1	0.03	98	198	47	< 5	33	98	0.05	< 10	28	< 10	< 1	32
2.222	63033	<.2	2.67	< 5	8	23	< 5	2.76	< 1*	33	196	83	3.82	0.08	13	3.01	688	< 1	0.02	73	702	54	< 5	< 20	51	0.08	< 10	85	< 10	2	43
2.223	63034	<.2	2.72	< 5	7	44	< 5	2.08	< 1	33	149	80	3.89	0.09	14	2.86	659	< 1	0.03	68	712	54	< 5	< 20	38	0.08	< 10	93	< 10	4	42
2.224	63035	<.2	3.16	< 5	6	44	6	4.43	< 1	31	162	44	5.39	0.06	18	3.04	985	< 1	0.02	34	797	55	< 5	< 20	83	0.10	< 10	146	< 10	3	63
2.225	63036	<.2	2.68	< 5	7	70	< 5	3.67	< 1	31	82	46	4.84	0.05	16	2.43	879	< 1	0.02	28	990	48	< 5	< 20	63	0.09	< 10	128	< 10	< 1	60
2.226	63037	<.2	2.73	< 5	9	42	15	2.54	< 1	28	57	53	4.69	0.10	17	2.39	720	< 1	0.02	22	1442	51	< 5	33	39	0.12	< 10	130	< 10	8	47

NOTE: < = Less than

*Douglas Howard*  
 ECO-TECH LABORATORIES LTD.  
 DOUG HOWARD  
 B.C. CERTIFIED ASSAYER



ECO-TECH LABORATORIES LTD.

CORONA CORPORATION - ETK 89-700A

10041 EAST TRANS CANADA HWY.  
 KAMLOOPS, B.C. V2C 2J3  
 PHONE - 604-573-5700  
 FAX - 604-573-4557

1440, 800 WEST PENDER STRETT  
 VANCOUVER, B.C. V6C 2V6  
 ATTENTION: TONY RANSOM

SEPTEMBER 26, 1989

PROJECT # B120 - P.O.# 0195  
 11 CORE SAMPLES RECEIVED SEPT.6,1989

VALUES IN PPM UNLESS OTHERWISE REPORTED

ETK#	DESCRIPTIONS	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CD	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
700 A-	1 62129	.6	3.23	10	4	80	<5	3.87	11	47	146	324	4.83	.54	<10	2.01	609	10	.31	67	790	8	10	<20	149	.16	<10	135	<10	4	53
700 A-	2 62130	.4	3.22	40	10	175	<5	5.82	<1	35	262	110	3.36	.69	<10	2.88	828	9	.22	117	540	26	15	<20	219	.11	<10	91	<10	3	44
700 A-	3 62131	.4	3.00	60	2	40	<5	5.47	<1	71	72	639	8.08	.39	10	2.27	1005	5	.27	49	1220	6	10	<20	256	.16	<10	186	<10	5	70
700 A-	4 62132	.2	3.07	10	6	55	<5	3.15	<1	47	49	230	6.12	.34	10	1.79	585	5	.31	33	1240	2	10	<20	139	.14	<10	187	<10	5	45
700 A-	5 62133	.2	3.25	10	6	65	<5	4.18	<1	39	62	208	6.11	.23	10	1.93	716	7	.38	38	1120	6	25	<20	161	.13	<10	196	<10	4	49
700 A-	6 62134	.2	3.70	50	6	45	<5	3.71	<1	47	99	209	5.08	.47	<10	1.82	607	5	.37	62	670	8	5	<20	184	.12	<10	152	10	3	40
700 A-	7 62135	.4	2.35	610	<2	55	<5	3.26	<1	43	127	455	5.24	.3	10	1.72	567	6	.28	64	1710	12	25	<20	103	.12	10	124	<10	5	67
700 A-	8 62136	.4	3.00	15	4	65	<5	2.74	<1	49	114	319	4.96	.69	10	1.56	447	9	.28	63	1610	2	15	<20	104	.17	<10	171	<10	6	45
700 A-	9 62137	<.2	4.20	5	6	80	<5	3.04	<1	39	36	165	5.46	.46	<10	1.44	437	6	.37	41	450	4	25	<20	128	.10	10	153	<10	2	66
700 A-	10 62138	.2	3.09	<5	2	70	<5	2.30	<1	45	88	257	4.43	1.41	<10	2.09	482	29	.29	36	780	<2	20	<20	80	.15	10	146	<10	3	56
700 A-	11 62139	.4	2.89	5	2	55	<5	2.94	<1	58	122	425	5.62	.87	10	2.17	586	14	.26	55	1570	2	10	<20	83	.16	<10	131	<10	6	65

NOTE: < = LESS THAN

CC: MARK TINDALL  
 VCR  
 FAX: VCR



ECO-TECH LABORATORIES LTD.  
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SC89/B120

Eco-Tech Laboratories Ltd.  
 10041 E. Trans Canada Hwy.  
 Kamloops, B.C.  
 V2C 2J3  
 September 21, 1989

CORONA CORPORATION  
 1440 - 800 West Pender St.  
 Vancouver, B.C.  
 V6C 2V6  
 ATTN: Mark Tindall

CERTIFICATE OF ANALYSIS ETK 89-699A  
 332 Core Samples, received September 6/89  
 Project # B120  
 P.O. # 0193  
 All values in PPM unless otherwise reported

ETK	DESCRIPTION	Ag	AlI	As	B	Ba	Bi	CaI	Cd	Co	Cr	Cu	FeI	KI	La	MgI	Mn	Mo	NaI	Ni	P	Pb	Sb	Sn	Sr	TiI	U	V	W	Y	Zn
699.1	63038	<.2	2.47	18	10	66	9	1.80	< 1	20	79	45	3.47	0.23	< 10	2.20	471	< 1	0.02	21	1118	14	63	< 20	20	0.13	< 10	129	< 10	8	23
699.2	63039	<.2	2.29	23	11	73	< 5	0.87	< 1	23	54	109	4.11	0.25	< 10	2.47	553	< 1	0.02	14	691	11	38	< 20	18	0.15	12	147	< 10	8	29
699.3	63040	<.2	2.54	16	10	46	< 5	1.19	< 1	24	54	77	4.42	0.11	< 10	2.92	619	< 1	0.02	16	1095	11	56	< 20	22	0.12	< 10	183	< 10	8	34
699.4	63041	<.2	2.76	< 5	10	29	< 5	1.74	< 1	25	51	88	4.95	0.08	11	3.29	840	< 1	0.02	14	984	9	47	< 20	61	0.04	< 10	173	< 10	3	36
699.5	63042	<.2	0.25	39	9	49	< 5	2.39	< 1	6	44	12	1.48	0.17	20	0.48	521	3	0.02	3	329	28	32	< 20	90	<.01	< 10	4	< 10	3	39
699.6	63043	0.2	0.23	< 5	9	58	6	1.89	1	5	31	10	1.26	0.17	20	0.43	498	2	0.02	4	254	40	9	< 20	72	<.01	< 10	2	< 10	3	70
699.7	63044	<.2	0.23	17	9	76	< 5	1.95	2	5	51	10	1.27	0.19	21	0.52	509	3	0.02	4	156	49	36	< 20	84	<.01	< 10	2	< 10	3	95
699.8	63045	<.2	0.26	< 5	9	60	< 5	1.97	1	6	34	13	1.32	0.16	18	0.53	567	2	0.01	5	252	30	33	< 20	74	<.01	< 10	5	< 10	3	90
699.9	63046	0.2	0.22	< 5	10	61	6	2.34	1	5	50	4	1.26	0.18	18	0.62	630	3	0.01	3	308	30	28	< 20	93	<.01	< 10	2	< 10	3	55
699.10	63047	<.2	0.22	< 5	9	66	< 5	2.25	< 1	5	45	4	1.25	0.18	18	0.57	653	1	0.01	3	244	31	32	< 20	90	<.01	< 10	2	< 10	3	32
699.11	63048	<.2	0.21	< 5	10	39	< 5	2.36	< 1	6	45	4	1.25	0.16	18	0.60	581	4	0.02	5	116	31	15	< 20	88	<.01	< 10	2	< 10	2	27
699.12	63049	<.2	0.18	6	9	38	< 5	2.16	1	7	35	4	1.36	0.15	15	0.57	636	5	0.01	5	154	24	39	< 20	89	<.01	< 10	2	< 10	2	26
699.13	63050	<.2	2.81	22	12	42	13	2.12	< 1	31	90	105	5.34	0.17	13	3.13	756	< 1	0.02	23	901	6	44	58	57	0.12	< 10	191	< 10	11	56
699.14	63051	<.2	1.85	10	11	50	< 5	1.78	< 1	24	77	54	3.13	0.12	< 10	2.06	402	< 1	0.02	43	704	12	73	< 20	40	0.11	< 10	77	< 10	4	23
699.15	63052	<.2	2.35	41	11	133	6	2.43	< 1	28	83	59	3.87	0.07	< 10	2.48	550	< 1	0.03	52	562	10	46	< 20	46	0.13	< 10	116	< 10	5	29
699.16	63053	<.2	2.04	7	9	72	< 5	3.68	< 1	25	96	51	3.68	0.09	< 10	2.05	700	< 1	0.07	51	717	7	33	< 20	59	0.13	< 10	116	< 10	7	27
699.17	63054	<.2	2.21	5	10	138	< 5	2.07	< 1	23	48	25	3.49	0.06	< 10	1.89	506	< 1	0.03	29	642	8	24	< 20	29	0.13	< 10	98	< 10	5	25
699.18	63055	<.2	2.01	< 5	10	18	< 5	2.27	< 1	20	70	13	3.13	0.06	< 10	1.70	451	< 1	0.03	41	604	8	54	< 20	30	0.11	< 10	84	< 10	5	21
699.19	63056	<.2	1.60	< 5	11	30	10	1.14	< 1	18	77	16	2.60	0.08	< 10	1.49	302	< 1	0.04	31	347	12	41	34	20	0.11	< 10	71	< 10	5	14
699.20	63057	<.2	2.07	< 5	10	196	17	1.42	< 1	25	111	21	3.51	0.06	< 10	2.14	407	< 1	0.03	45	238	11	33	< 20	38	0.16	< 10	94	< 10	5	18

CORONA CORPORATION

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ETK	DESCRIPTION	Ag	AlI	As	B	Ba	Bi	CaI	Cd	Co	Cr	Cu	FeI	KZ	La	MgI	Mn	Mo	NaI	Ni	P	Pb	Sb	Sn	Sr	TiI	U	V	W	Y	Zn
699.21	63058	<.2	1.83	18	12	26	< 5	3.11	< 1	14	50	1	2.21	0.06	< 10	1.39	364	< 1	0.03	14	740	9	56	27	50	0.10	< 10	78	< 10	6	14
699.22	63059	<.2	2.00	< 5	10	44	6	1.51	< 1	24	47	30	3.36	0.09	< 10	1.90	406	< 1	0.04	29	534	11	51	27	30	0.13	< 10	95	< 10	5	19
699.23	63060	<.2	2.28	< 5	11	35	< 5	2.21	< 1	24	55	30	3.67	0.10	< 10	1.93	565	< 1	0.04	31	998	9	62	< 20	33	0.14	< 10	113	< 10	7	24
699.24	63061	<.2	2.50	13	10	48	12	3.74	< 1	24	69	9	3.81	0.06	< 10	2.55	791	< 1	0.03	20	784	10	63	< 20	65	0.12	< 10	138	< 10	6	28
699.25	63062	<.2	2.32	43	11	70	18	3.16	1	31	118	80	3.89	0.05	10	2.53	713	< 1	0.03	51	912	10	54	< 20	65	0.12	< 10	106	< 10	5	26
699.26	63063	<.2	2.14	< 5	10	43	12	2.21	< 1	20	87	27	3.39	0.07	< 10	2.51	585	< 1	0.02	50	742	14	39	< 20	41	0.10	< 10	85	< 10	4	25
699.27	63064	<.2	1.83	40	8	26	< 5	6.13	< 1	27	87	173	4.64	0.04	10	1.67	1278	< 1	0.02	25	870	< 2	48	46	134	0.06	< 10	74	< 10	< 1	44
699.28	63065	<.2	2.55	< 5	8	27	< 5	3.24	< 1	33	154	95	4.22	0.07	11	3.10	701	< 1	0.02	64	878	12	34	23	70	0.11	< 10	114	< 10	4	35
699.29	63066	<.2	2.79	50	9	19	9	6.57	< 1	32	185	45	4.84	0.03	13	3.25	1014	< 1	<.01	37	781	9	79	< 20	152	0.06	< 10	150	< 10	2	68
699.30	63067	<.2	2.39	14	10	29	< 5	4.19	< 1	27	83	28	4.66	0.07	13	2.40	1094	< 1	0.02	29	910	5	42	< 20	85	0.07	< 10	131	< 10	3	68
699.31	63068	<.2	2.25	26	9	9	< 5	4.02	< 1	23	68	127	3.33	0.01	< 10	1.44	1002	< 1	<.01	38	949	6	29	23	54	0.07	< 10	80	< 10	2	38
699.32	63069	<.2	2.09	15	10	49	10	1.91	< 1	24	64	27	3.50	0.07	< 10	2.52	575	< 1	0.02	36	692	14	49	27	39	0.13	< 10	114	< 10	5	30
699.33	63070	<.2	2.40	24	10	19	< 5	3.31	< 1	14	89	4	3.43	0.03	< 10	1.70	1068	< 1	0.02	22	884	8	48	< 20	74	0.09	< 10	107	< 10	4	55
699.34	63071	<.2	2.47	31	10	16	16	3.81	< 1	13	91	4	2.65	0.05	< 10	1.42	842	< 1	0.02	22	929	6	38	< 20	45	0.10	< 10	94	< 10	5	40
699.35	63072	<.2	1.82	< 5	10	22	< 5	2.10	< 1	20	85	138	2.77	0.05	< 10	1.78	527	< 1	0.02	32	780	12	47	23	34	0.12	< 10	97	< 10	6	25
699.36	63073	<.2	1.93	< 5	10	30	< 5	3.25	< 1	14	38	6	2.51	0.09	< 10	1.62	507	< 1	0.03	22	713	9	42	23	52	0.08	< 10	82	< 10	3	23
699.37	63074	<.2	1.76	< 5	9	31	< 5	1.43	< 1	17	60	37	2.34	0.08	< 10	1.39	236	< 1	0.03	33	698	10	24	< 20	28	0.10	< 10	64	< 10	4	18
699.38	63075	<.2	2.01	34	10	38	13	1.45	< 1	20	53	45	3.35	0.09	< 10	1.80	386	< 1	0.03	19	792	8	42	< 20	39	0.13	< 10	119	< 10	6	30
699.39	63076	<.2	2.34	< 5	11	27	8	1.46	< 1	23	56	64	3.82	0.09	< 10	2.03	397	< 1	0.03	19	858	< 2	25	< 20	33	0.16	< 10	137	< 10	6	30
699.40	63077	<.2	2.46	< 5	11	47	12	2.48	< 1	27	98	93	4.31	0.17	12	2.76	549	< 1	0.02	22	816	2	33	23	46	0.15	< 10	157	< 10	8	31

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
699.41	63078	<.2	2.64	< 5	11	32	< 5	0.84	< 1	24	62	71	4.77	0.09	14	2.99	480	< 1	0.03	16	692	< 2	21	31	21	0.18	< 10	190	< 10	12	50
699.42	63079	<.2	2.67	21	10	29	15	1.05	< 1	24	53	57	4.72	0.07	13	2.95	496	< 1	0.02	15	1392	< 2	33	< 20	19	0.13	< 10	178	< 10	12	41
699.43	63080	<.2	2.63	< 5	9	73	< 5	3.18	< 1	23	57	17	3.89	0.08	10	2.42	559	< 1	0.03	27	830	< 2	< 5	38	55	0.11	< 10	135	< 10	5	25
699.44	63081	<.2	2.43	< 5	9	25	25	3.50	< 1	26	131	7	3.76	0.06	< 10	3.14	574	< 1	0.01	60	627	5	66	45	75	0.10	< 10	105	< 10	3	21
699.45	63082	<.2	2.31	< 5	8	36	21	2.64	< 1	26	88	21	3.78	0.06	< 10	2.56	501	< 1	0.02	40	633	3	40	< 20	44	0.14	< 10	119	< 10	6	19
699.46	63083	<.2	2.20	12	10	72	8	1.67	< 1	26	63	53	3.84	0.10	10	2.27	473	< 1	0.03	46	825	< 2	32	21	28	0.13	< 10	117	< 10	7	24
699.47	63084	<.2	2.12	21	10	78	< 5	2.47	< 1	26	98	72	3.90	0.09	11	2.17	557	< 1	0.04	58	723	< 2	27	< 20	34	0.15	< 10	118	< 10	8	25
699.48	63085	<.2	2.59	21	11	60	< 5	2.32	< 1	37	50	129	5.10	0.07	13	2.11	558	< 1	0.04	49	902	< 2	41	< 20	25	0.13	< 10	125	< 10	4	30
699.49	63086	<.2	2.59	< 5	11	129	13	2.42	< 1	31	51	98	4.50	0.06	11	2.24	635	< 1	0.04	40	806	< 2	9	< 20	33	0.14	< 10	135	< 10	6	30
699.50	63087	<.2	2.58	48	10	188	< 5	3.73	< 1	28	78	50	4.29	0.13	11	2.19	696	< 1	0.06	38	862	< 2	39	< 20	63	0.12	< 10	131	< 10	5	34
699.51	63088	<.2	0.28	21	9	45	6	2.82	3	7	38	14	1.38	0.16	18	0.16	735	2	0.02	6	485	57	15	< 20	69	<.01	< 10	4	< 10	3	107
699.52	63089	<.2	0.24	30	10	46	< 5	2.17	4	4	31	9	1.21	0.16	20	0.18	589	1	0.01	3	456	36	11	< 20	45	<.01	< 10	2	< 10	4	164
699.53	63090	<.2	0.22	15	10	68	< 5	2.18	< 1	6	31	2	1.32	0.16	15	0.27	846	2	0.01	4	518	25	14	< 20	66	<.01	< 10	2	< 10	3	50
699.54	63091	<.2	0.21	8	9	41	< 5	1.89	2	5	30	9	1.31	0.15	18	0.19	693	< 1	0.01	3	518	32	9	< 20	37	<.01	< 10	2	< 10	3	140
699.55	63092	0.2	0.29	< 5	10	46	9	2.33	< 1	5	53	5	1.25	0.21	20	0.34	695	3	0.02	4	510	25	24	< 20	62	<.01	< 10	2	< 10	3	26
699.56	63093	<.2	2.69	38	11	211	19	4.85	< 1	21	50	15	3.49	0.12	< 10	1.40	1055	< 1	0.10	31	991	< 2	22	< 20	77	0.10	< 10	99	< 10	5	41
699.57	63094	<.2	2.54	28	9	190	24	5.30	< 1	21	64	18	3.87	0.15	10	1.61	1147	< 1	0.09	31	911	< 2	47	31	86	0.11	< 10	110	< 10	5	44
699.58	63095	<.2	2.27	< 5	10	41	15	2.23	< 1	26	66	36	4.23	0.08	12	2.41	620	< 1	0.03	31	461	4	22	< 20	38	0.16	< 10	142	< 10	7	36
699.59	63096	<.2	2.42	< 5	9	38	< 5	5.32	< 1	25	92	15	4.24	0.13	13	2.25	882	< 1	0.03	33	993	< 2	30	< 20	74	0.13	< 10	154	< 10	10	34
699.60	63097	<.2	2.31	37	8	58	24	5.86	< 1	27	79	18	4.16	0.10	13	1.89	956	< 1	0.04	36	1194	< 2	31	33	92	0.13	< 10	146	< 10	8	37

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ETK	DESCRIPTION	Ag	AlI	As	B	Ba	Bi	CaI	Cd	Co	Cr	Cu	FeI	KI	La	MgI	Mn	Mo	NaI	Ni	P	Pb	Sb	Sn	Sr	TiI	U	V	W	Y	Zn
699.61	63098	<.2	2.37	14	8	44	19	4.29	< 1	23	56	5	3.60	0.11	11	1.80	676	< 1	0.04	35	1065	< 2	25	< 20	96	0.13	< 10	118	< 10	9	31
699.62	63099	<.2	1.89	< 5	8	47	15	3.81	< 1	22	47	49	2.90	0.07	< 10	1.41	634	< 1	0.04	23	777	< 2	27	< 20	46	0.13	< 10	100	< 10	7	24
699.63	63100	<.2	2.37	18	10	43	20	1.89	< 1	27	66	47	4.10	0.07	11	2.21	467	< 1	0.02	37	773	< 2	42	23	34	0.22	< 10	169	< 10	11	27
699.64	63101	<.2	2.53	< 5	10	142	7	1.68	< 1	29	53	75	4.55	0.06	10	2.33	458	< 1	0.02	30	688	< 2	21	< 20	33	0.20	< 10	178	< 10	8	28
699.65	63102	<.2	2.10	< 5	8	33	17	2.09	< 1	22	66	49	3.63	0.08	< 10	1.93	498	< 1	0.03	27	804	< 2	11	< 20	38	0.15	< 10	116	< 10	7	28
699.66	63103	<.2	2.16	< 5	7	56	19	2.64	< 1	23	24	46	4.15	0.06	13	1.63	703	< 1	0.04	11	1277	< 2	14	< 20	51	0.13	< 10	134	< 10	7	26
699.67	63104	<.2	2.42	52	8	40	23	4.41	< 1	24	39	8	4.75	0.10	15	2.08	1083	< 1	0.04	12	1177	< 2	30	37	107	0.08	< 10	159	< 10	5	38
699.68	63105	0.5	0.86	< 5	8	39	< 5	1.18	< 1	13	55	63	2.23	0.12	< 10	0.85	268	1	<.01	53	194	8	22	< 20	36	0.05	< 10	17	< 10	8	96
699.69	63106	0.6	1.02	27	9	41	< 5	0.83	< 1	13	61	54	2.43	0.14	10	1.00	275	2	<.01	61	274	8	23	< 20	26	0.08	< 10	20	< 10	11	98
699.70	63107	0.3	0.95	27	8	42	9	0.89	< 1	13	60	67	2.64	0.13	< 10	0.80	240	1	<.01	45	250	3	11	30	26	0.04	< 10	17	< 10	6	62
699.71	63108	<.2	2.78	7	9	62	9	5.05	< 1	30	32	96	5.40	0.16	14	2.56	1163	< 1	<.01	15	801	< 2	45	43	150	0.06	< 10	123	< 10	4	84
699.72	63109	<.2	0.73	< 5	8	30	< 5	2.01	< 1	12	70	70	2.12	0.09	< 10	0.64	295	4	<.01	52	182	2	35	23	53	<.01	< 10	16	< 10	5	82
699.73	63110	0.3	1.00	5	9	41	< 5	1.11	< 1	10	98	49	1.95	0.14	11	0.96	214	3	<.01	46	252	9	23	< 20	42	<.01	< 10	18	< 10	5	77
699.74	63111	0.8	0.91	< 5	9	41	< 5	1.33	< 1	12	62	65	1.98	0.12	11	0.95	220	1	<.01	96	263	12	44	< 20	58	<.01	< 10	15	< 10	4	106
699.75	63112	0.3	1.59	22	9	51	11	2.10	< 1	17	53	60	3.23	0.16	< 10	1.43	440	< 1	0.01	37	350	5	24	38	58	<.01	< 10	54	< 10	2	70
699.76	63113	0.3	1.04	33	9	46	5	2.56	< 1	14	84	48	2.49	0.13	< 10	1.29	420	2	0.01	56	291	8	38	26	92	<.01	< 10	30	< 10	4	82
699.77	63114	0.2	1.15	43	11	51	10	1.61	1	12	130	49	2.08	0.19	12	1.25	310	4	<.01	29	283	21	52	< 20	65	<.01	< 10	28	< 10	5	58
699.78	63115	<.2	0.86	29	10	42	< 5	1.10	< 1	8	135	40	1.70	0.16	11	0.85	215	7	<.01	24	163	14	40	< 20	39	<.01	< 10	16	< 10	4	62
699.79	63116	<.2	1.59	< 5	12	33	< 5	3.82	< 1	17	174	30	2.85	0.12	14	2.20	677	3	0.01	59	319	21	58	< 20	108	<.01	< 10	53	< 10	4	45
699.80	63117	0.7	1.16	33	9	42	< 5	0.76	< 1	12	106	69	2.11	0.20	14	1.14	231	2	0.01	50	203	19	31	< 20	24	<.01	< 10	24	< 10	3	84

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
699.81	63118	<.2	3.55	93	10	71	< 5	5.39	< 1	39	226	72	5.49	0.23	16	4.18	1258	< 1	0.01	75	994	14	38	35	147	0.14	< 10	181	< 10	7	48
699.82	63119	<.2	1.76	25	10	46	< 5	2.28	< 1	17	106	57	2.97	0.18	14	1.73	469	< 1	0.01	34	536	16	31	24	59	0.05	< 10	76	< 10	6	56
699.83	63120	0.5	1.26	24	10	52	< 5	1.22	< 1	15	92	74	2.59	0.24	13	1.11	251	3	0.01	56	265	18	40	< 20	38	<.01	< 10	31	< 10	3	84
699.84	63121	0.5	1.12	227	10	42	< 5	1.36	1	16	52	50	3.64	0.25	13	1.04	284	< 1	0.01	127	288	16	22	< 20	60	<.01	< 10	16	< 10	4	101
699.85	63122	0.5	1.05	12	10	54	< 5	1.00	< 1	12	93	67	2.40	0.25	13	0.89	199	1	<.01	66	228	16	22	< 20	37	<.01	< 10	18	< 10	5	95
699.86	63123	<.2	2.83	66	11	48	< 5	3.32	< 1	30	210	76	4.26	0.18	14	3.35	755	< 1	0.01	75	538	20	61	21	80	0.06	< 10	106	< 10	4	46
699.87	63124	0.4	1.20	< 5	11	54	< 5	0.62	< 1	13	86	60	2.60	0.24	16	0.94	227	< 1	0.01	69	197	17	13	< 20	23	<.01	< 10	20	< 10	5	96
699.88	63125	<.2	1.48	91	10	51	< 5	2.53	2	17	60	56	3.29	0.20	11	1.42	536	< 1	0.01	36	337	11	49	34	80	<.01	< 10	59	< 10	3	59
699.89	63126	0.3	0.97	47	10	46	< 5	0.89	< 1	10	143	64	2.08	0.19	13	0.71	606	5	<.01	43	177	11	13	21	30	<.01	< 10	18	< 10	4	58
699.90	63127	0.2	1.10	9	12	33	< 5	1.04	< 1	9	128	56	1.81	0.15	14	0.85	342	2	<.01	48	194	13	16	< 20	24	<.01	< 10	21	< 10	5	61
699.91	63128	0.3	1.22	13	10	52	< 5	1.33	< 1	10	106	51	1.82	0.17	13	1.03	338	3	<.01	51	263	18	46	34	27	0.01	< 10	24	< 10	7	92
699.92	63129	0.4	1.02	< 5	10	29	< 5	1.51	< 1	9	99	44	1.72	0.13	12	0.89	302	2	<.01	35	182	15	23	< 20	29	<.01	< 10	20	< 10	6	66
699.93	63130	0.5	1.11	14	10	32	< 5	0.84	< 1	10	150	58	1.83	0.15	11	1.22	296	11	<.01	32	164	20	40	< 20	24	<.01	< 10	23	< 10	4	55
699.94	63131	0.4	0.98	32	10	93	< 5	1.58	< 1	14	123	62	2.49	0.12	13	1.09	381	8	0.01	39	278	12	23	< 20	66	<.01	< 10	42	< 10	5	56
699.95	63132	0.4	0.82	17	9	36	< 5	1.51	< 1	10	89	63	1.89	0.13	11	1.04	271	3	0.01	57	223	18	33	< 20	75	<.01	< 10	27	< 10	4	71
699.96	63133	<.2	2.74	25	11	52	19	3.20	< 1	35	145	77	4.58	0.10	12	3.46	760	< 1	0.01	71	643	17	46	28	88	0.16	< 10	147	< 10	6	37
699.97	63134	<.2	2.67	22	11	26	9	2.34	< 1	36	162	84	4.16	0.04	< 10	3.89	681	< 1	<.01	97	483	21	37	< 20	57	0.14	< 10	118	< 10	5	42
699.98	63135	<.2	2.53	< 5	11	29	16	2.21	< 1	35	132	79	4.08	0.05	< 10	3.50	617	< 1	0.01	88	548	20	56	< 20	47	0.15	< 10	109	< 10	6	42
699.99	63136	<.2	1.54	16	12	40	< 5	4.77	< 1	14	110	74	2.01	0.09	13	1.45	679	1	0.01	47	224	25	35	< 20	67	0.11	< 10	52	< 10	11	74
699.100	63137	0.4	1.38	< 5	9	44	6	8.57	< 1	15	67	52	2.47	0.11	11	1.41	1558	< 1	0.01	32	392	20	45	< 20	90	0.09	< 10	51	< 10	10	53

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ETK	DESCRIPTION	Ag	AlI	As	B	Ba	Bi	CaI	Cd	Co	Cr	Cu	FeI	KI	La	MgI	Mn	Mo	NaI	Ni	P	Pb	Sb	Sn	Sr	TiI	U	V	W	Y	Zn
699.101	63138	0.7	1.09	< 5	10	45	< 5	2.98	2	10	60	54	2.17	0.20	12	1.29	464	11	<.01	54	257	22	34	< 20	72	<.01	< 10	39	< 10	5	168
699.102	63139	0.7	0.97	42	9	55	< 5	2.91	3	12	52	64	2.48	0.18	15	1.26	505	32	0.01	58	478	19	40	< 20	89	<.01	< 10	100	< 10	7	266
699.103	63140	0.8	0.79	42	13	58	< 5	4.77	7	14	71	63	2.41	0.26	18	0.91	509	197	<.01	113	691	24	49	< 20	130	<.01	< 10	182	< 10	15	427
699.104	63141	<.2	0.90	32	10	32	< 5	3.64	< 1	9	57	45	1.91	0.16	11	1.18	418	2	<.01	27	303	20	19	< 20	71	<.01	< 10	15	< 10	6	63
699.105	63142	0.4	1.60	< 5	11	48	< 5	3.90	3	16	68	73	3.25	0.18	18	1.52	673	47	0.01	52	596	19	29	< 20	78	<.01	< 10	113	< 10	8	171
699.106	63143	0.2	1.76	23	9	41	< 5	4.13	< 1	15	61	62	3.11	0.17	17	1.63	623	< 1	0.01	25	512	17	20	< 20	84	0.02	< 10	59	< 10	8	55
699.107	63144	0.5	1.46	45	7	38	< 5	8.83	< 1	9	51	55	2.19	0.11	17	1.84	767	< 1	<.01	30	3135	25	49	< 20	161	<.01	< 10	32	< 10	22	63
699.108	63145	0.8	0.69	221	8	45	< 5	3.49	2	10	85	64	2.13	0.18	12	1.30	491	2	<.01	42	383	51	55	< 20	140	<.01	< 10	15	< 10	9	331
699.109	63146	0.2	0.98	100	10	59	< 5	1.84	2	11	67	62	2.47	0.19	15	0.99	291	< 1	<.01	37	388	14	37	< 20	61	<.01	< 10	19	< 10	5	82
699.110	63147	<.2	2.12	< 5	8	46	< 5	3.53	< 1	21	53	67	3.82	0.13	14	1.84	691	< 1	0.01	24	707	13	22	45	93	0.02	< 10	110	< 10	4	54
699.111	63148	<.2	1.39	23	10	56	6	0.81	< 1	12	97	60	2.86	0.19	20	1.08	239	2	0.01	40	316	10	6	< 20	28	<.01	< 10	27	< 10	7	70
699.112	63149	<.2	1.14	23	7	115	8	4.25	< 1	11	73	29	2.63	0.15	15	1.22	517	< 1	0.02	28	404	11	29	< 20	86	<.01	< 10	43	< 10	7	33
699.113	63150	<.2	1.50	7	8	54	< 5	5.40	< 1	16	59	85	3.04	0.17	14	1.09	865	< 1	0.01	32	414	10	14	< 20	74	0.03	< 10	54	< 10	6	54
699.114	63151	0.4	1.04	738	8	44	< 5	6.88	2	22	52	67	3.04	0.17	13	1.50	932	< 1	0.01	33	1799	31	61	< 20	182	<.01	< 10	49	< 10	10	82
699.115	63152	<.2	1.64	32	9	68	7	1.33	< 1	19	44	49	4.74	0.20	15	1.39	561	< 1	0.02	31	415	4	18	< 20	52	<.01	< 10	57	< 10	1	68
699.116	63153	<.2	1.58	206	9	61	6	2.97	1	16	46	71	3.90	0.23	19	1.07	444	< 1	0.01	34	1603	6	23	< 20	77	<.01	< 10	36	< 10	9	83
699.117	63154	<.2	2.04	75	9	40	< 5	5.58	1	22	61	73	4.28	0.13	15	1.93	961	< 1	0.02	17	683	10	59	44	131	<.01	< 10	121	< 10	6	59
699.118	63155	<.2	2.82	20	10	44	< 5	5.38	< 1	24	113	82	4.81	0.12	16	2.90	1024	< 1	0.02	28	1175	10	19	41	152	<.01	< 10	152	< 10	6	44
699.119	63156	<.2	3.09	27	10	61	14	4.73	< 1	32	109	91	5.07	0.09	13	2.58	832	< 1	0.02	29	1324	9	18	27	126	0.17	< 10	172	< 10	11	45
699.120	63157	<.2	3.15	39	11	111	16	4.49	< 1	33	135	89	5.28	0.12	14	2.83	788	< 1	0.02	34	1134	7	27	< 20	132	0.21	< 10	178	< 10	12	45

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
699.121	63158	<.2	2.90	31	11	49	< 5	3.11	< 1	28	63	90	4.62	0.10	13	2.27	692	< 1	0.04	22	1291	9	22	< 20	61	0.23	< 10	168	< 10	13	53
699.122	63159	<.2	2.97	59	11	54	20	1.96	< 1	29	45	56	4.55	0.07	11	2.90	556	< 1	0.03	14	650	13	57	< 20	49	0.24	< 10	178	< 10	14	41
699.123	63160	<.2	2.96	22	11	36	8	1.61	< 1	28	52	73	5.18	0.07	16	3.22	629	< 1	0.03	14	1770	11	15	28	56	0.15	< 10	203	< 10	15	37
699.124	63161	<.2	2.73	34	11	42	< 5	3.42	< 1	28	96	122	4.17	0.11	11	2.35	637	< 1	0.05	28	695	11	59	< 20	87	0.13	< 10	132	< 10	7	41
699.125	63162	<.2	3.45	77	13	133	14	4.23	< 1	28	55	69	5.14	0.09	13	2.50	732	< 1	0.02	15	918	5	11	33	110	0.13	< 10	162	< 10	7	57
699.126	63163	<.2	3.02	18	11	110	18	1.64	< 1	27	38	83	5.38	0.09	12	2.83	701	< 1	0.03	13	693	8	21	< 20	76	0.18	< 10	199	< 10	11	52
699.127	63164	<.2	3.27	27	13	95	< 5	1.81	< 1	26	35	90	4.86	0.05	11	2.61	617	< 1	0.03	13	873	8	36	58	51	0.21	< 10	180	< 10	13	43
699.128	63165	<.2	2.71	41	11	47	11	2.46	< 1	29	129	63	4.73	0.09	11	3.08	669	< 1	0.01	47	763	11	43	27	41	0.13	< 10	121	< 10	5	27
699.129	63166	<.2	3.03	38	11	38	< 5	1.47	< 1	28	98	63	4.46	0.11	10	3.21	511	< 1	0.02	25	665	12	36	< 20	30	0.24	< 10	164	< 10	12	30
699.130	63167	<.2	3.38	57	10	48	< 5	1.28	< 1	33	93	152	5.33	0.09	13	3.87	604	< 1	0.01	23	1197	14	70	< 20	28	0.22	< 10	179	< 10	12	39
699.131	63168	<.2	3.38	35	12	50	< 5	1.28	< 1	31	92	76	5.34	0.16	17	4.07	597	< 1	0.02	21	1731	12	47	< 20	25	0.20	< 10	176	< 10	14	39
699.132	63169	<.2	2.93	13	12	55	14	1.66	< 1	31	85	141	4.59	0.23	12	3.22	632	< 1	0.02	25	1194	14	20	20	22	0.22	< 10	173	< 10	13	31
699.133	63170	<.2	3.37	37	12	38	13	0.95	< 1	29	60	77	5.71	0.08	17	3.87	787	< 1	0.02	12	929	11	42	36	16	0.25	< 10	199	< 10	16	48
699.134	63171	<.2	3.09	14	11	58	21	1.27	< 1	29	71	57	5.15	0.14	13	3.33	660	< 1	0.02	21	916	10	37	< 20	20	0.25	< 10	202	< 10	14	36
699.135	63172	<.2	2.93	22	12	54	22	1.86	< 1	29	66	52	4.84	0.15	13	2.95	649	< 1	0.02	21	949	9	41	20	24	0.24	< 10	188	< 10	12	36
699.136	63173	<.2	2.51	24	12	49	14	1.51	< 1	26	59	48	4.17	0.17	12	2.72	529	< 1	0.02	16	1199	13	54	< 20	19	0.25	< 10	177	< 10	15	28
699.137	63174	<.2	2.71	< 5	13	73	14	1.72	< 1	26	76	75	4.10	0.25	13	2.62	479	< 1	0.03	20	932	14	43	< 20	18	0.27	< 10	147	< 10	18	33
699.138	63175	<.2	2.85	11	11	51	9	1.78	< 1	31	59	100	5.21	0.29	13	2.50	636	< 1	0.04	14	1135	7	48	< 20	23	0.25	< 10	172	< 10	15	43
699.139	63176	<.2	2.92	65	11	57	30	1.78	< 1	31	96	100	5.13	0.41	12	2.59	722	< 1	0.04	23	868	8	19	< 20	19	0.28	< 10	177	< 10	16	41
699.140	63177	<.2	2.67	8	13	40	< 5	3.06	< 1	24	58	98	3.81	0.18	15	2.07	581	< 1	0.04	24	2515	9	45	< 20	34	0.19	< 10	128	< 10	20	31



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ETK	DESCRIPTION	Ag	AlI	As	B	Ba	Bi	CaI	Cd	Co	Cr	Cu	FeI	KI	La	MgI	Mn	Mo	NaI	Ni	P	Pb	Sb	Sn	Sr	TiI	U	V	W	Y	Zn
699.141	63178	<.2	2.94	17	12	113	9	1.50	< 1	28	51	79	4.51	0.60	12	2.74	571	< 1	0.03	14	854	11	52	< 20	19	0.27	< 10	194	< 10	15	33
699.142	63179	<.2	2.86	29	11	148	29	1.41	< 1	29	65	87	4.60	0.84	13	2.92	575	< 1	0.03	18	1110	10	54	49	19	0.28	< 10	191	< 10	17	39
699.143	63180	<.2	2.90	24	13	127	< 5	1.14	< 1	30	50	91	4.70	0.61	11	3.02	579	< 1	0.03	16	743	13	21	< 20	17	0.32	< 10	190	< 10	17	39
699.144	63181	<.2	2.82	< 5	11	123	16	1.15	< 1	30	56	107	4.61	0.65	11	3.00	624	< 1	0.04	16	804	12	39	< 20	23	0.29	< 10	184	< 10	15	46
699.145	63182	<.2	2.71	11	11	51	7	2.17	< 1	35	83	167	5.38	0.10	15	2.50	656	2	0.05	30	840	5	29	< 20	47	0.26	< 10	312	< 10	14	50
699.146	63183	<.2	2.71	26	11	26	< 5	4.56	< 1	33	117	94	4.92	0.07	12	2.76	854	< 1	0.02	24	841	9	35	< 20	77	0.19	< 10	190	< 10	9	29
699.147	63184	<.2	2.58	29	13	69	20	1.27	< 1	28	70	114	4.37	0.31	11	2.77	572	< 1	0.03	18	872	11	31	< 20	20	0.31	< 10	219	< 10	17	37
699.148	63185	<.2	2.29	28	13	42	20	1.32	< 1	27	84	48	3.95	0.13	11	2.42	441	< 1	0.04	19	880	12	37	< 20	26	0.30	< 10	172	< 10	18	31
699.149	63186	<.2	2.59	< 5	12	30	7	1.96	< 1	32	77	91	4.74	0.09	13	2.68	487	< 1	0.04	23	1367	9	44	< 20	30	0.32	< 10	177	< 10	19	33
699.150	63187	<.2	2.81	31	11	32	26	1.04	< 1	32	79	82	5.28	0.09	17	2.97	558	< 1	0.03	19	941	10	46	< 20	20	0.38	< 10	200	< 10	24	46
699.151	63188	<.2	2.77	58	9	56	7	4.56	< 1	23	59	18	4.08	0.15	12	1.73	879	< 1	0.08	36	944	5	27	43	73	0.18	< 10	144	< 10	12	30
699.152	63189	<.2	3.15	49	11	47	23	4.09	< 1	28	81	3	5.24	0.13	14	2.25	987	< 1	0.09	48	973	9	24	< 20	64	0.18	< 10	164	< 10	12	54
699.153	63190	<.2	2.57	52	12	59	7	1.62	< 1	31	83	76	4.61	0.08	< 10	2.65	572	< 1	0.05	54	417	20	30	40	26	0.22	< 10	142	< 10	10	30
699.154	63191	<.2	2.25	19	12	30	17	1.54	< 1	29	76	84	4.25	0.09	< 10	2.47	495	< 1	0.06	45	530	20	30	< 20	26	0.21	< 10	133	< 10	9	27
699.155	63192	<.2	2.04	< 5	12	30	20	1.72	< 1	25	88	12	3.48	0.09	< 10	2.16	356	< 1	0.05	47	486	20	23	< 20	27	0.21	< 10	106	< 10	9	21
699.156	63193	<.2	2.37	40	13	35	10	1.42	< 1	28	71	65	4.09	0.13	< 10	2.38	333	< 1	0.05	40	565	19	27	20	23	0.21	< 10	132	< 10	10	26
699.157	63194	<.2	2.25	22	13	37	< 5	1.52	< 1	25	80	97	3.77	0.11	< 10	2.13	327	< 1	0.06	37	703	18	39	< 20	31	0.21	< 10	123	< 10	11	30
699.158	63195	<.2	2.46	28	13	49	10	1.75	< 1	29	71	76	4.07	0.09	< 10	2.41	484	< 1	0.06	41	734	19	23	< 20	36	0.25	< 10	139	< 10	12	30
699.159	63196	<.2	3.35	65	8	33	22	5.24	< 1	40	207	35	4.72	0.11	11	3.75	1489	< 1	0.05	88	719	20	72	< 20	103	0.16	< 10	127	< 10	6	60
699.160	63197	<.2	2.46	47	10	32	5	5.69	< 1	27	101	49	3.98	0.14	< 10	2.49	1371	< 1	0.05	47	787	18	35	29	101	0.16	< 10	121	< 10	6	45

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
699.161	63198	<.2	2.86	39	13	59	13	3.63	< 1	30	40	23	4.63	0.18	11	1.86	618	< 1	0.09	19	840	10	8	44	71	0.21	< 10	194	< 10	9	30
699.162	63199	<.2	2.88	81	10	70	9	3.73	< 1	28	44	18	4.44	0.15	11	1.98	642	< 1	0.09	18	801	13	12	< 20	85	0.21	< 10	187	< 10	9	28
699.163	63200	<.2	2.97	51	10	52	7	2.15	< 1	32	76	71	4.53	0.17	< 10	2.82	523	< 1	0.07	44	381	20	19	< 20	67	0.25	< 10	179	< 10	9	32
699.164	63201	<.2	2.67	14	10	57	12	3.44	< 1	23	82	16	3.10	0.12	< 10	2.27	649	< 1	0.08	37	930	19	8	36	126	0.17	< 10	114	< 10	8	28
699.165	63202	<.2	2.64	55	10	107	15	3.23	< 1	31	45	40	4.26	0.20	11	2.28	710	< 1	0.11	19	1035	16	41	< 20	109	0.22	< 10	169	< 10	10	31
699.166	63203	<.2	2.59	77	12	107	12	2.99	< 1	34	35	35	4.56	0.16	11	1.90	683	< 1	0.10	18	990	11	33	< 20	104	0.23	< 10	190	< 10	10	38
699.167	63204	<.2	2.69	67	11	152	19	3.50	< 1	32	38	36	4.39	0.23	13	2.11	746	< 1	0.11	18	1069	15	37	< 20	163	0.22	< 10	186	< 10	11	34
699.168	63205	<.2	2.41	42	12	180	18	3.84	1	32	38	28	4.66	0.16	14	2.11	812	< 1	0.08	15	1085	14	53	< 20	159	0.22	< 10	192	< 10	11	33
699.169	63206	<.2	2.19	55	12	105	< 5	3.13	2	33	108	78	4.38	0.24	13	2.28	754	< 1	0.03	51	1087	16	62	< 20	112	0.16	< 10	146	< 10	8	32
699.170	63207	<.2	3.22	31	11	87	12	4.17	< 1	29	35	97	4.29	0.12	11	1.94	756	< 1	0.09	16	956	11	11	26	122	0.17	< 10	154	< 10	9	25
699.171	63208	<.2	3.50	42	9	92	< 5	3.61	< 1	38	92	101	4.12	0.05	< 10	2.77	620	< 1	0.05	65	840	18	47	< 20	106	0.14	< 10	120	< 10	5	24
699.172	63209	<.2	3.00	34	12	74	12	4.23	< 1	30	23	112	5.07	0.05	16	2.14	782	< 1	0.04	11	1367	12	16	< 20	160	0.18	< 10	186	< 10	10	40
699.173	63210	<.2	2.68	33	10	44	7	4.04	< 1	29	43	103	5.01	0.06	14	1.98	819	< 1	0.03	13	1349	12	10	< 20	107	0.18	< 10	167	< 10	8	39
699.174	63211	<.2	2.39	20	10	24	5	3.49	< 1	37	154	155	4.26	0.06	< 10	2.69	549	< 1	0.02	43	937	18	25	33	83	0.17	< 10	123	< 10	5	22
699.175	63212	<.2	2.33	14	10	30	< 5	5.34	< 1	38	104	166	3.84	0.10	< 10	1.99	636	< 1	0.07	49	769	11	41	< 20	126	0.14	< 10	113	< 10	8	26
699.176	63213	<.2	2.52	8	9	39	< 5	4.19	< 1	37	135	119	4.06	0.12	< 10	2.20	603	< 1	0.07	63	860	14	15	< 20	113	0.16	< 10	125	< 10	7	23
699.177	63214	<.2	2.03	29	7	44	21	3.96	< 1	29	77	56	3.54	0.13	< 10	1.91	594	< 1	0.05	40	784	18	51	< 20	108	0.13	< 10	109	< 10	6	21
699.178	63215	<.2	1.70	< 5	8	23	8	2.63	< 1	23	54	66	3.32	0.07	< 10	1.72	484	< 1	0.03	28	927	18	44	< 20	103	0.16	< 10	98	< 10	7	27
699.179	63216	<.2	1.82	< 5	8	30	9	3.28	< 1	24	111	41	3.11	0.13	< 10	1.87	523	< 1	0.03	58	708	19	38	< 20	100	0.12	< 10	85	< 10	5	19
699.180	63217	<.2	2.05	< 5	11	37	< 5	2.76	< 1	23	124	75	3.44	0.07	< 10	1.83	392	< 1	0.04	24	781	17	30	< 20	49	0.12	< 10	126	< 10	4	21

ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
699.181	63218	<.2	2.07	< 5	9	62	21	2.45	< 1	22	120	35	3.20	0.09	< 10	1.62	357	< 1	0.05	25	856	18	13	< 20	41	0.13	< 10	134	< 10	5	19
699.182	63219	<.2	1.92	25	10	34	17	2.16	< 1	21	114	33	3.10	0.07	< 10	1.45	325	< 1	0.04	24	738	15	20	< 20	37	0.12	< 10	126	< 10	4	19
699.183	63220	<.2	2.33	25	10	26	16	3.37	< 1	26	118	59	3.73	0.04	< 10	2.40	494	< 1	0.02	27	679	22	33	< 20	56	0.13	< 10	139	< 10	4	24
699.184	63221	<.2	2.18	45	7	102	18	4.36	< 1	24	77	51	3.96	0.04	< 10	2.29	632	< 1	0.02	19	779	20	36	< 20	84	0.13	< 10	142	< 10	5	32
699.185	63222	<.2	2.06	< 5	8	23	< 5	3.73	< 1	29	73	159	3.84	0.04	< 10	2.14	563	< 1	0.02	25	789	21	35	< 20	103	0.15	< 10	118	< 10	5	25
699.186	63223	<.2	2.25	20	8	21	< 5	4.28	< 1	28	27	80	4.54	0.03	11	2.41	790	< 1	0.01	11	747	21	28	< 20	115	0.16	< 10	150	< 10	7	36
699.187	63224	<.2	2.19	6	10	43	< 5	2.84	< 1	25	120	58	3.46	0.04	< 10	2.23	436	< 1	0.02	27	729	25	34	< 20	48	0.14	< 10	142	< 10	5	21
699.188	63225	<.2	2.40	37	11	45	< 5	2.13	< 1	26	144	61	3.59	0.03	< 10	2.44	412	< 1	0.02	37	707	21	54	30	35	0.17	< 10	144	< 10	6	22
699.189	63226	<.2	2.22	< 5	9	48	< 5	2.99	< 1	25	139	86	3.96	0.03	< 10	3.02	547	< 1	0.02	36	634	24	50	< 20	61	0.12	< 10	129	< 10	3	26
699.190	63227	<.2	2.80	< 5	10	45	< 5	2.46	< 1	28	79	155	4.92	0.04	< 10	2.68	451	< 1	0.03	30	313	17	< 5	< 20	48	0.13	< 10	185	< 10	2	22
699.191	63228	<.2	2.83	< 5	10	22	< 5	2.85	< 1	26	52	110	4.75	0.04	< 10	2.85	462	< 1	0.03	33	556	18	15	< 20	54	0.14	< 10	160	< 10	3	23
699.192	63229	<.2	1.45	15	8	13	7	2.61	< 1	28	193	22	2.57	0.03	< 10	2.86	354	< 1	0.03	60	345	24	60	< 20	48	0.08	< 10	74	< 10	2	18
699.193	63230	<.2	1.37	14	7	14	8	5.31	< 1	24	251	25	2.43	0.02	< 10	2.99	553	< 1	0.03	48	163	28	64	< 20	85	0.07	< 10	64	< 10	2	18
699.194	63231	<.2	1.29	6	7	78	< 5	5.02	< 1	26	128	31	4.32	0.11	12	2.98	767	< 1	0.02	30	794	20	55	< 20	125	<.01	< 10	121	< 10	3	25
699.195	63232	<.2	0.34	55	10	27	< 5	1.84	1	10	64	53	1.67	0.16	10	0.95	168	3	<.01	38	237	14	64	< 20	86	<.01	< 10	11	< 10	3	14
699.196	63233	0.6	0.32	506	9	29	< 5	1.97	1	9	71	35	1.36	0.19	< 10	0.82	195	4	<.01	27	314	13	52	< 20	91	<.01	< 10	6	< 10	5	10
699.197	63234	<.2	0.41	536	9	30	< 5	4.26	2	20	52	64	3.77	0.26	< 10	2.24	638	< 1	<.01	14	896	18	92	< 20	128	<.01	< 10	29	< 10	4	32
699.198	63235	<.2	0.80	434	8	35	16	3.18	2	21	35	57	4.46	0.23	10	2.15	692	< 1	<.01	19	882	16	90	< 20	118	<.01	< 10	41	< 10	2	38
699.199	63236	0.7	0.49	462	10	36	12	4.12	3	27	46	58	5.27	0.30	< 10	3.01	882	< 1	<.01	21	549	18	97	26	142	<.01	< 10	43	< 10	1	27
699.200	63237	1.7	0.95	611	9	43	< 5	3.65	3	31	43	131	5.78	0.25	11	3.28	1053	< 1	<.01	21	931	18	125	34	171	<.01	< 10	61	< 10	1	44

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
699.201	63238	<.2	2.76	87	9	69	21	2.26	2	31	87	147	5.90	0.14	14	3.89	709	< 1	0.02	27	1028	16	50	38	109	0.02	< 10	199	< 10	5	31
699.202	63239	<.2	2.42	32	9	56	< 5	1.58	< 1	27	64	99	5.13	0.14	13	3.27	623	< 1	0.02	19	508	17	56	< 20	94	0.02	< 10	142	< 10	2	41
699.203	63240	<.2	2.40	199	8	39	< 5	2.15	2	27	86	84	4.99	0.16	14	3.39	663	< 1	0.02	28	776	19	57	23	87	0.03	< 10	116	< 10	5	50
699.204	63241	<.2	2.24	53	10	60	15	3.72	< 1	24	163	54	3.68	0.13	11	2.31	480	5	0.02	43	743	18	35	23	64	0.15	< 10	147	< 10	10	27
699.205	63242	<.2	1.88	13	10	56	12	4.61	< 1	21	68	44	3.64	0.15	10	1.74	551	< 1	0.02	15	970	13	52	< 20	158	0.10	< 10	134	< 10	7	22
699.206	63243	<.2	2.53	110	10	53	32	3.09	< 1	26	54	63	5.05	0.06	11	2.10	470	< 1	0.03	21	1085	11	40	28	61	0.12	< 10	207	< 10	5	25
699.207	63244	<.2	2.39	37	9	47	13	3.93	< 1	26	62	53	4.68	0.11	10	2.60	571	< 1	0.02	18	901	14	32	< 20	101	0.11	< 10	186	< 10	5	27
699.208	63245	<.2	0.31	295	10	33	< 5	3.56	1	14	100	45	2.72	0.17	< 10	1.62	455	1	<.01	27	357	16	78	< 20	163	<.01	< 10	24	< 10	2	20
699.209	63246	<.2	0.26	132	12	36	13	2.22	1	9	109	31	1.73	0.14	< 10	1.06	243	5	<.01	28	224	14	65	< 20	104	<.01	< 10	11	< 10	3	24
699.210	63247	<.2	0.95	20	10	57	< 5	4.98	< 1	23	117	80	3.57	0.11	11	2.86	662	< 1	0.01	46	692	20	62	< 20	107	0.01	< 10	78	< 10	3	24
699.211	63248	<.2	0.33	21	10	52	< 5	2.42	2	11	140	49	2.18	0.13	< 10	1.34	298	5	0.01	33	205	17	45	< 20	104	<.01	< 10	18	< 10	2	24
699.212	63249	<.2	0.31	13	10	46	6	2.04	< 1	5	50	8	1.31	0.18	23	0.61	468	2	0.02	5	518	27	33	< 20	88	<.01	< 10	3	< 10	3	31
699.213	63250	0.9	0.32	17	10	37	< 5	1.80	3	4	76	7	1.29	0.18	22	0.55	491	4	0.02	6	485	88	20	< 20	74	<.01	< 10	3	< 10	3	155
699.214	63251	<.2	0.34	20	9	38	5	1.73	1	5	70	3	1.35	0.20	22	0.54	457	3	0.02	6	494	50	16	< 20	90	<.01	< 10	3	< 10	3	40
699.215	63252	0.4	0.34	< 5	10	88	< 5	1.84	< 1	5	90	5	1.37	0.20	21	0.53	498	7	0.02	6	459	42	24	< 20	106	<.01	< 10	3	< 10	2	44
699.216	63253	<.2	0.30	20	11	104	7	2.12	< 1	5	69	4	1.35	0.19	22	0.55	436	4	0.02	6	481	35	30	< 20	128	<.01	< 10	3	< 10	3	33
699.217	63254	0.7	0.33	89	11	80	7	2.66	2	9	63	30	2.15	0.19	18	0.68	600	4	0.02	12	485	36	39	< 20	152	<.01	< 10	7	< 10	3	77
699.218	63255	0.8	0.29	< 5	9	79	7	2.48	1	6	51	21	1.42	0.18	17	0.59	508	7	0.02	5	499	39	19	< 20	155	<.01	< 10	5	< 10	3	44
699.219	63256	0.4	0.28	11	9	101	< 5	2.26	< 1	5	74	8	1.32	0.18	19	0.56	452	6	0.02	4	523	29	28	< 20	106	<.01	< 10	3	< 10	3	38
699.220	63257	<.2	0.25	7	10	141	< 5	2.34	< 1	5	47	6	1.33	0.17	23	0.65	413	4	0.02	4	511	27	24	< 20	105	<.01	< 10	3	< 10	3	32

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699.221	63258	<.2	0.33	< 5	11	57	< 5	2.32	< 1	5	81	4	1.46	0.20	24	0.66	431	5	0.02	5	540	25	34	< 20	97	<.01	< 10	4	< 10	3	27
699.222	63259	<.2	0.31	< 5	11	195	15	2.06	< 1	5	58	3	1.29	0.20	25	0.60	392	4	0.02	6	471	40	23	< 20	89	<.01	< 10	3	< 10	3	37
699.223	63260	<.2	0.32	< 5	10	103	10	2.29	< 1	5	61	2	1.35	0.18	20	0.78	397	4	0.02	6	502	29	28	< 20	147	<.01	< 10	3	< 10	3	23
699.224	63261	<.2	2.17	124	8	35	< 5	5.22	< 1	31	47	81	5.86	0.17	13	3.51	1184	< 1	<.01	18	1041	17	65	53	129	<.01	< 10	93	< 10	3	62
699.225	63262	<.2	2.24	56	10	43	< 5	4.21	< 1	32	41	112	5.84	0.20	13	3.42	1066	< 1	0.01	21	944	15	54	47	121	<.01	< 10	104	< 10	1	51
699.226	63263	<.2	1.05	< 5	10	149	9	4.26	< 1	17	58	16	3.40	0.14	35	2.25	755	< 1	0.01	22	1487	22	44	51	190	<.01	< 10	47	< 10	4	39
699.227	63264	<.2	1.62	10	7	32	< 5	5.44	< 1	30	80	100	5.24	0.15	11	3.19	924	< 1	0.02	32	989	16	67	28	180	<.01	< 10	113	< 10	2	32
699.228	63265	<.2	0.99	61	8	108	< 5	5.82	2	30	22	112	5.49	0.19	14	2.42	1233	< 1	0.01	14	1322	14	39	< 20	183	<.01	< 10	69	< 10	3	51
699.229	63266	<.2	1.62	52	7	37	< 5	5.18	< 1	30	28	121	5.89	0.09	16	2.61	1185	< 1	0.01	15	1327	10	34	< 20	175	<.01	< 10	110	< 10	5	45
699.230	63267	<.2	2.53	41	6	49	< 5	2.36	< 1	28	80	78	4.61	0.02	< 10	3.08	648	< 1	0.01	42	651	15	45	< 20	50	0.06	< 10	149	< 10	< 1	33
699.231	63268	<.2	2.36	17	8	39	< 5	2.10	< 1	25	87	63	3.95	0.05	< 10	2.95	529	< 1	0.01	36	700	17	31	< 20	33	0.07	< 10	123	< 10	2	32
699.232	63269	<.2	1.98	140	6	40	< 5	5.52	3	27	114	56	4.38	0.11	< 10	3.55	904	< 1	0.01	47	710	19	34	< 20	136	<.01	< 10	100	< 10	2	31
699.233	63270	<.2	2.43	42	8	34	5	4.40	1	25	58	81	5.19	0.08	11	2.54	874	< 1	0.02	28	880	20	< 5	< 20	105	0.04	< 10	159	< 10	1	43
699.234	63271	<.2	2.59	58	9	37	< 5	4.21	< 1	30	59	115	5.34	0.07	11	2.30	1047	< 1	0.01	27	1021	11	48	< 20	78	0.05	< 10	126	< 10	< 1	70
699.235	63272	<.2	1.02	< 5	5	45	< 5	6.79	< 1	27	50	74	4.76	0.14	11	2.70	939	< 1	0.02	25	901	15	48	< 20	121	<.01	< 10	85	< 10	3	35
699.236	63273	<.2	1.67	< 5	6	49	12	3.90	< 1	32	98	80	5.41	0.07	12	3.02	829	< 1	0.02	48	713	13	41	< 20	99	0.02	< 10	155	< 10	4	41
699.237	63274	<.2	1.64	24	4	58	< 5	4.90	< 1	28	99	53	5.26	0.09	11	3.20	761	< 1	0.02	45	710	14	57	32	112	<.01	< 10	128	< 10	2	33
699.238	63275	<.2	0.63	< 5	5	65	12	5.30	< 1	22	57	51	4.54	0.11	< 10	2.51	785	< 1	0.02	30	1012	17	43	< 20	144	<.01	< 10	74	< 10	< 1	27
699.239	63276	<.2	1.15	55	3	32	13	5.63	< 1	29	60	62	5.01	0.11	< 10	2.89	794	< 1	0.01	44	739	14	48	< 20	127	<.01	< 10	112	< 10	1	32
699.240	63277	<.2	0.81	< 5	6	58	6	6.00	< 1	26	38	63	4.79	0.08	< 10	3.11	824	< 1	0.01	32	645	16	65	< 20	142	<.01	< 10	95	< 10	1	25

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699.241	63278	<.2	1.41	17	6	82	20	5.62	< 1	24	88	37	4.69	0.06	< 10	3.40	698	< 1	0.02	37	590	18	85	32	86	<.01	< 10	138	< 10	2	27
699.242	63279	<.2	0.99	< 5	< 2	47	24	6.20	< 1	25	63	26	4.62	0.06	< 10	2.95	781	< 1	0.02	30	811	17	64	< 20	119	<.01	< 10	119	< 10	3	23
699.243	63280	<.2	0.23	< 5	5	21	< 5	6.81	< 1	22	26	75	4.80	0.04	10	2.38	814	< 1	0.02	15	990	13	72	36	112	<.01	< 10	99	< 10	3	27
699.244	63281	<.2	0.24	< 5	3	24	8	6.86	< 1	28	35	96	4.73	0.09	< 10	2.56	765	< 1	0.02	24	721	16	67	< 20	132	<.01	< 10	78	< 10	< 1	23
699.245	63282	<.2	0.24	< 5	3	29	< 5	7.15	< 1	23	28	44	4.50	0.06	< 10	2.78	820	< 1	0.02	22	833	20	67	< 20	111	<.01	< 10	113	< 10	3	23
699.246	63283	<.2	0.18	< 5	7	27	< 5	3.17	< 1	6	23	8	1.40	0.10	14	1.06	486	< 1	0.01	4	567	16	66	< 20	133	<.01	< 10	4	< 10	2	16
699.247	63284	<.2	0.31	153	4	24	< 5	6.73	2	21	32	22	3.76	0.17	< 10	2.41	893	< 1	0.02	22	832	19	67	29	119	<.01	< 10	64	< 10	2	20
699.248	63285	<.2	0.83	44	8	49	< 5	4.02	16	15	142	136	2.67	0.07	13	1.49	537	92	0.01	126	698	17	49	26	72	0.01	< 10	712	< 10	12	808
699.249	63286	<.2	1.52	35	9	55	< 5	3.43	5	18	186	71	2.94	0.04	13	1.37	616	77	0.02	101	859	14	28	< 20	45	0.07	< 10	948	< 10	13	327
699.250	63287	<.2	1.82	< 5	9	35	< 5	2.54	2	34	190	126	3.73	0.05	< 10	2.48	513	20	0.01	135	676	18	38	29	37	0.06	< 10	338	< 10	3	125
699.251	63288	<.2	1.93	54	7	49	11	4.22	< 1	26	53	98	5.21	0.08	11	2.17	679	12	0.02	42	1132	10	30	32	82	0.04	< 10	210	< 10	2	38
699.252	63289	<.2	0.58	53	7	28	< 5	2.96	4	15	90	92	2.57	0.09	< 10	1.43	334	24	<.01	83	356	19	43	< 20	72	<.01	< 10	93	< 10	3	44
699.253	63290	<.2	1.81	75	8	26	< 5	3.71	4	27	161	128	5.04	0.08	12	2.52	581	50	<.01	125	843	13	53	25	80	0.02	< 10	453	< 10	3	160
699.254	63291	<.2	0.43	207	8	25	< 5	3.18	9	20	61	148	5.44	0.15	11	1.54	419	90	<.01	131	648	10	29	< 20	82	<.01	< 10	131	< 10	1	285
699.255	63292	<.2	2.28	28	7	40	< 5	3.93	< 1	27	23	105	6.44	0.12	13	2.34	807	11	0.02	33	1082	4	34	24	89	0.04	< 10	208	< 10	2	34
699.256	63293	<.2	0.98	136	8	24	< 5	2.86	5	25	77	175	6.05	0.17	11	1.54	538	109	<.01	133	926	7	40	63	81	<.01	< 10	203	< 10	< 1	109
699.257	63294	<.2	0.22	39	6	24	5	3.29	1	12	73	61	2.48	0.14	< 10	1.37	354	3	<.01	29	500	16	76	< 20	63	<.01	< 10	18	< 10	2	19
699.258	63295	<.2	2.07	< 5	8	29	< 5	2.90	< 1	29	128	76	3.97	0.05	< 10	2.43	567	< 1	0.02	45	1044	15	27	< 20	53	0.06	< 10	114	< 10	2	25
699.259	63296	<.2	2.47	66	7	30	< 5	4.32	< 1	31	119	123	5.21	0.05	11	2.99	771	< 1	<.01	28	753	14	28	38	92	0.02	< 10	160	< 10	< 1	33
699.260	63297	<.2	2.75	25	7	29	< 5	4.74	1	35	36	175	6.14	0.04	12	2.96	801	< 1	0.02	16	987	9	31	54	81	0.03	< 10	210	< 10	< 1	28

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
699.261	63298	<.2	2.47	< 5	7	55	11	5.72	< 1	32	198	55	4.53	0.07	< 10	3.56	775	< 1	0.01	51	803	20	44	44	126	0.05	< 10	118	< 10	< 1	29
699.262	63299	<.2	0.99	< 5	8	35	< 5	1.29	< 1	9	140	46	1.78	0.09	< 10	1.03	210	6	<.01	34	218	13	20	< 20	26	<.01	< 10	21	< 10	3	22
699.263	63300	<.2	1.56	< 5	7	37	< 5	2.46	< 1	25	127	94	2.97	0.07	< 10	1.75	358	< 1	0.01	46	654	16	41	< 20	42	0.04	< 10	66	< 10	2	19
699.264	63301	<.2	1.59	< 5	7	78	< 5	3.35	< 1	17	188	62	2.84	0.06	< 10	1.79	445	4	<.01	41	555	16	24	< 20	66	0.03	< 10	77	< 10	3	23
699.265	63302	<.2	0.61	16	7	20	7	1.72	< 1	9	59	30	2.17	0.08	< 10	1.33	298	2	<.01	44	266	15	39	25	67	<.01	< 10	17	< 10	5	30
699.266	63303	<.2	0.95	7	7	30	< 5	1.01	< 1	11	124	37	1.93	0.07	< 10	1.25	249	3	0.01	46	198	17	28	< 20	38	<.01	< 10	27	< 10	3	38
699.267	63304	<.2	1.20	5	9	40	< 5	1.47	< 1	11	158	53	2.44	0.07	< 10	1.27	362	8	0.01	36	254	15	35	< 20	26	0.02	< 10	45	< 10	3	32
699.268	63305	<.2	1.91	< 5	9	54	6	3.15	< 1	27	151	107	3.88	0.08	11	2.39	593	9	0.02	66	942	16	41	22	54	0.09	< 10	173	< 10	8	66
699.269	63306	<.2	1.30	< 5	9	26	< 5	1.41	< 1	17	139	90	2.64	0.08	11	1.44	287	9	0.01	68	457	17	29	< 20	27	0.03	< 10	83	< 10	6	49
699.270	63307	<.2	2.23	32	8	23	10	3.43	< 1	32	154	119	4.34	0.05	< 10	2.33	487	< 1	0.02	54	731	11	43	20	49	0.06	< 10	101	< 10	< 1	20
699.271	63308	<.2	1.93	9	7	19	< 5	3.03	< 1	21	139	81	3.35	0.05	< 10	1.80	377	< 1	0.01	36	557	11	39	< 20	51	0.07	< 10	78	< 10	2	17
699.272	63309	<.2	2.06	26	7	50	13	2.57	< 1	24	118	87	3.80	0.08	< 10	1.62	445	5	0.02	40	990	9	21	< 20	37	0.12	< 10	154	< 10	7	23
699.273	63310	<.2	3.23	< 5	7	139	22	7.14	< 1	35	317	22	4.96	0.07	< 10	5.08	1050	< 1	0.01	114	612	16	39	25	147	0.03	< 10	125	< 10	< 1	35
699.274	63311	<.2	2.05	8	8	113	< 5	3.55	< 1	26	157	72	3.60	0.10	< 10	2.70	594	< 1	0.03	61	931	16	48	26	81	0.07	< 10	97	< 10	3	27
699.275	63312	<.2	1.40	10	6	82	< 5	1.82	< 1	16	66	90	3.44	0.17	< 10	1.35	356	< 1	<.01	32	314	15	23	< 20	51	<.01	< 10	44	< 10	2	77
699.276	63313	<.2	1.47	169	7	113	< 5	4.16	2	28	207	77	2.85	0.08	< 10	2.95	617	< 1	0.02	124	681	22	51	29	160	0.06	< 10	62	< 10	2	22
699.277	63314	<.2	2.41	59	9	140	< 5	1.89	< 1	22	60	47	5.03	0.10	< 10	2.76	524	< 1	0.03	18	563	12	26	< 20	72	0.02	< 10	158	< 10	4	45
699.278	63315	<.2	1.53	691	6	106	< 5	2.99	3	21	57	60	4.65	0.17	< 10	2.41	521	< 1	0.02	23	488	14	67	46	132	<.01	< 10	77	< 10	< 1	54
699.279	63316	<.2	2.17	5	7	116	8	3.47	< 1	15	56	24	2.78	0.12	< 10	1.59	755	< 1	0.04	11	980	12	17	36	47	0.10	< 10	89	< 10	7	24
699.280	63317	<.2	2.68	44	7	121	< 5	3.39	< 1	23	83	48	4.43	0.08	10	2.77	751	< 1	0.03	19	1020	11	33	25	63	0.07	< 10	152	< 10	10	33

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ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaZ	Cd	Co	Cr	Cu	FeZ	KZ	La	MgZ	Mn	Mo	NaZ	Ni	P	Pb	Sb	Sn	Sr	TiZ	U	V	W	Y	Zn
699.281	63318	<.2	2.79	35	8	117	16	3.46	< 1	27	87	74	4.72	0.08	11	2.90	775	< 1	0.03	24	1231	13	16	23	61	0.12	< 10	158	< 10	11	40
699.282	63319	<.2	1.89	13	5	30	< 5	5.23	< 1	29	21	114	5.31	0.20	11	2.57	1042	< 1	<.01	6	986	7	29	25	104	<.01	< 10	68	< 10	2	49
699.283	63320	<.2	2.95	20	5	43	7	2.23	< 1	30	97	105	5.77	0.08	10	4.25	868	< 1	0.01	26	683	12	9	< 20	99	0.02	< 10	175	< 10	< 1	57
699.284	63321	0.4	0.89	142	6	37	10	5.67	3	26	60	64	4.25	0.16	< 10	2.69	1095	< 1	<.01	27	786	24	72	20	148	<.01	< 10	50	< 10	< 1	62
699.285	63322	<.2	2.84	< 5	6	37	10	6.15	< 1	33	97	83	5.07	0.13	< 10	2.99	1119	< 1	0.01	32	429	12	19	35	119	0.09	< 10	151	< 10	1	47
699.286	63323	<.2	2.66	< 5	5	29	26	5.02	< 1	37	189	40	4.86	0.06	< 10	3.19	948	< 1	0.02	45	153	12	43	32	102	0.12	< 10	176	< 10	< 1	42
699.287	63324	<.2	2.81	30	7	43	< 5	7.16	< 1	37	175	90	5.60	0.09	10	3.88	1434	< 1	0.01	43	426	13	30	51	166	0.04	< 10	181	< 10	< 1	85
699.288	63325	<.2	2.96	25	8	36	20	6.61	< 1	35	174	43	4.92	0.12	< 10	3.59	1192	< 1	0.01	44	239	15	27	< 20	144	0.09	< 10	161	< 10	< 1	47
699.289	63326	<.2	3.19	126	8	47	18	5.45	2	35	219	91	5.82	0.09	10	4.79	1173	< 1	<.01	60	426	15	13	49	151	<.01	< 10	157	< 10	< 1	49
699.290	63327	<.2	2.88	117	5	39	< 5	6.17	2	34	112	98	5.83	0.10	< 10	4.00	1502	< 1	<.01	34	697	13	33	< 20	137	<.01	< 10	145	< 10	< 1	92
699.291	63328	<.2	3.56	82	7	28	< 5	7.15	1	33	177	123	5.69	0.10	< 10	4.07	1617	< 1	<.01	41	637	15	42	42	138	<.01	< 10	150	< 10	< 1	125
699.292	63329	2.8	3.00	253	9	42	5	6.40	5	36	176	114	5.52	0.04	< 10	4.10	1334	< 1	0.01	48	671	24	43	22	183	0.06	< 10	148	< 10	2	140
699.293	63330	<.2	3.39	52	7	39	10	6.22	< 1	34	101	121	5.70	0.11	< 10	3.40	1308	< 1	0.02	26	764	11	< 5	61	132	0.08	< 10	165	< 10	2	68
699.294	63331	<.2	3.25	60	7	45	< 5	5.61	< 1	37	150	589	5.89	0.13	< 10	3.53	1342	< 1	0.02	36	483	13	45	46	122	0.14	< 10	229	< 10	4	40
699.295	63332	0.4	2.93	341	7	48	< 5	6.09	3	36	107	559	6.05	0.10	< 10	3.64	1506	< 1	<.01	36	601	14	35	40	151	0.02	< 10	183	< 10	1	49
699.296	63333	<.2	2.68	91	5	59	< 5	5.47	2	30	72	92	5.60	0.17	< 10	2.95	1463	< 1	0.02	26	591	12	46	40	130	<.01	< 10	149	< 10	< 1	66
699.297	63334	<.2	3.18	52	7	27	< 5	6.19	< 1	32	88	181	5.66	0.11	< 10	3.26	1595	< 1	<.01	28	748	12	40	29	154	0.02	< 10	201	< 10	< 1	84
699.298	63335	<.2	3.48	84	6	38	5	5.56	< 1	37	149	70	5.39	0.08	< 10	4.19	1334	< 1	0.02	46	513	15	28	38	141	0.09	< 10	191	< 10	2	61
699.299	63336	<.2	3.24	53	8	30	< 5	6.44	< 1	33	102	198	5.73	0.12	< 10	3.34	1606	< 1	<.01	27	793	14	27	32	162	0.02	< 10	203	< 10	< 1	76
699.300	63337	<.2	3.25	50	7	33	< 5	5.79	< 1	34	43	121	5.81	0.13	< 10	2.95	1581	< 1	0.02	15	719	11	13	42	135	0.03	< 10	172	< 10	2	76



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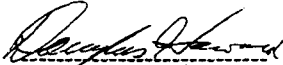
ETK	DESCRIPTION	Ag	AlZ	As	B	Ba	Bi	CaI	Cd	Co	Cr	Cu	FeI	KI	La	MgI	Mn	Mo	NaI	Ni	P	Pb	Sb	Sn	Sr	TiI	U	V	W	Y	Zn
699.301	63338	<.2	3.12	91	6	30	9	6.06	< 1	34	69	101	5.82	0.11	< 10	2.95	1448	< 1	0.01	19	666	9	16	< 20	132	0.03	< 10	148	< 10	1	84
699.302	63339	<.2	2.68	33	7	24	12	5.87	< 1	27	55	93	4.93	0.13	11	2.54	1240	< 1	<.01	14	1090	12	26	42	130	0.01	< 10	119	< 10	2	59
699.303	63340	<.2	2.84	58	7	21	< 5	6.50	< 1	29	73	97	5.03	0.14	11	2.82	1274	< 1	<.01	18	922	12	31	< 20	144	0.01	< 10	110	< 10	2	56
699.304	63341	<.2	3.73	57	7	18	< 5	7.65	< 1	38	255	75	5.25	0.06	< 10	4.82	1413	< 1	<.01	67	529	13	22	48	214	<.01	< 10	147	< 10	< 1	49
699.305	63342	<.2	3.64	< 5	10	19	< 5	7.15	< 1	35	184	79	5.33	0.09	< 10	4.44	1378	< 1	<.01	42	492	12	23	< 20	195	<.01	< 10	139	< 10	< 1	43
699.306	63343	<.2	2.86	52	10	33	< 5	6.40	< 1	34	61	119	5.60	0.12	12	2.88	1444	< 1	<.01	19	1121	9	16	< 20	148	0.01	< 10	139	< 10	1	55
699.307	63344	<.2	3.15	44	10	45	< 5	3.59	< 1	36	64	180	6.33	0.11	12	2.75	939	< 1	0.02	19	1540	4	< 5	< 20	101	0.13	< 10	210	< 10	3	38
699.308	63345	<.2	2.98	44	10	61	10	5.20	< 1	33	59	97	5.54	0.10	13	2.56	972	< 1	0.01	14	1101	7	16	32	150	0.12	< 10	170	< 10	5	39
699.309	63346	<.2	2.72	75	9	36	9	4.56	< 1	32	103	121	5.20	0.13	< 10	2.61	817	< 1	0.02	26	982	8	7	< 20	110	0.08	< 10	141	< 10	2	36
699.310	63347	<.2	3.07	322	9	52	< 5	4.36	3	38	77	341	6.60	0.14	< 10	2.84	940	< 1	0.02	21	902	6	6	< 20	113	0.11	< 10	201	< 10	< 1	34
699.311	63348	<.2	2.86	51	7	36	10	4.03	< 1	31	117	119	5.55	0.07	< 10	2.93	733	< 1	0.02	29	898	8	< 5	29	108	0.12	< 10	194	< 10	2	28
699.312	63349	<.2	2.98	22	8	50	6	5.25	< 1	31	212	86	5.04	0.11	< 10	3.31	826	< 1	0.02	36	587	13	26	< 20	128	0.12	< 10	147	< 10	3	31
699.313	63350	<.2	3.31	35	8	22	10	5.42	< 1	38	260	52	5.09	0.04	< 10	4.69	1116	< 1	0.01	74	572	14	42	37	141	0.09	< 10	148	< 10	3	44
699.314	63351	<.2	3.28	50	7	16	11	6.79	< 1	37	217	64	5.06	0.02	< 10	4.46	1241	< 1	<.01	60	475	14	28	< 20	160	0.07	< 10	148	< 10	1	53
699.315	63352	<.2	3.53	234	9	30	< 5	7.20	4	41	372	52	5.18	<.01	< 10	5.34	1293	< 1	<.01	89	445	18	42	20	179	0.01	< 10	143	< 10	< 1	52
699.316	63353	<.2	3.38	90	8	29	< 5	6.41	2	35	176	75	5.18	0.08	< 10	4.19	1125	< 1	0.01	47	588	14	36	39	155	0.03	< 10	159	< 10	< 1	45
699.317	63354	<.2	3.18	152	7	36	15	7.42	3	36	115	92	5.33	0.11	< 10	3.64	1488	< 1	<.01	45	551	16	33	< 20	176	<.01	< 10	127	< 10	< 1	67
699.318	63355	0.5	3.01	920	8	36	18	5.19	5	34	101	80	5.64	0.06	< 10	3.59	1048	< 1	0.01	38	617	77	50	< 20	138	0.07	< 10	176	< 10	< 1	125
699.319	63356	<.2	3.38	91	8	45	22	5.34	< 1	38	120	88	6.06	0.07	< 10	3.89	1024	< 1	0.01	39	702	9	28	< 20	147	0.06	< 10	202	< 10	< 1	70
699.320	63357	<.2	3.12	35	6	61	13	6.34	< 1	37	195	38	5.31	0.10	< 10	3.84	1184	< 1	0.02	51	542	13	29	< 20	188	0.08	< 10	177	< 10	1	50

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ETK	DESCRIPTION	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	Ti	U	V	W	Y	Zn
699.321	63358	<.2	2.84	28	9	84	6	4.58	< 1	29	40	128	5.59	0.16	< 10	2.33	930	< 1	0.03	9	1780	6	27	25	150	0.09	< 10	149	< 10	5	45
699.322	63359	<.2	2.91	69	9	72	8	3.75	< 1	30	44	109	5.84	0.13	< 10	2.25	790	< 1	0.03	10	1847	4	11	42	106	0.13	< 10	170	< 10	6	36
699.323	63360	<.2	2.98	54	9	39	8	5.42	< 1	30	32	136	6.07	0.10	10	2.47	893	< 1	0.01	8	1920	5	< 5	40	161	0.05	< 10	170	< 10	3	40
699.324	63361	<.2	2.85	60	10	85	6	2.85	< 1	27	29	9	5.64	0.13	< 10	2.28	712	< 1	0.03	10	1864	3	< 5	< 20	95	0.11	< 10	169	< 10	3	35
699.325	63362	<.2	2.93	44	8	55	< 5	3.61	< 1	30	59	100	5.58	0.06	< 10	2.32	654	< 1	0.03	16	984	5	< 5	22	99	0.12	< 10	169	< 10	< 1	36
699.326	63363	<.2	3.07	58	9	39	13	4.39	< 1	33	80	73	5.85	0.05	< 10	2.54	720	< 1	0.02	21	596	3	26	22	95	0.12	< 10	160	< 10	< 1	38
699.327	63364	<.2	3.16	91	7	34	< 5	7.05	2	30	75	71	5.56	0.12	< 10	2.98	1094	< 1	<.01	19	545	11	20	34	194	<.01	< 10	136	< 10	< 1	47
699.328	63365	<.2	2.75	23	8	77	10	5.18	< 1	33	79	108	5.72	0.11	< 10	2.80	896	< 1	0.02	22	501	8	47	29	130	0.11	< 10	216	< 10	< 1	37
699.329	63366	0.7	0.30	8	9	70	< 5	2.63	1	8	38	6	1.52	0.20	13	0.73	488	3	0.02	3	644	56	34	< 20	157	<.01	< 10	7	< 10	2	53
699.330	63367	<.2	0.27	5	9	133	6	2.14	< 1	6	63	2	1.29	0.19	17	0.59	387	4	0.02	3	604	19	32	< 20	97	<.01	< 10	3	< 10	2	18
699.331	63368	<.2	0.25	< 5	9	168	< 5	2.28	< 1	6	44	2	1.26	0.18	17	0.62	371	1	0.02	3	602	20	26	< 20	125	<.01	< 10	4	< 10	2	18
699.332	63369	1.0	0.27	7	8	57	< 5	3.65	3	9	77	7	1.48	0.18	< 10	0.63	455	3	0.01	12	512	139	37	< 20	206	<.01	< 10	5	< 10	2	149

NOTE: < = Less than

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 FAX: Corona, VCR

  
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