

SEP 1 0 2002

Gold Commissioner's Office VANCOUVER, B.C.

Assessment Report

Prospecting Report on the Laidman Property

Entiako 1 Mineral Claim

Omineca Mining Division British Columbia NTS 93F/3E 53° 11 ' North Latitude 125° 10' West Longitude

> Owner: Geoffrey Goodall

Work Paid For By: Geoffrey Goodall

September 6, 2002

by

Global Geological Services Inc. Linda Erdman B.Sc., M.Sc. 1315 Arborlynn Drive North Vancouver, B.C.

GEOLOGICAL SURVEY BRANCH

Vector in the Control

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SUMMARY

The Laidman property covers a number of gold bearing epithermal quartz veins hosted within granitic intrusive rocks of the Laidman Lake Batholith. The prospects were discovered as a direct result of regional mapping and sampling by the BC Geological Survey. Followup exploration by Cogema and Phelps Dodge identified broad zones of anomalous concentrations of gold, silver and arsenic in both rock and soil samples. Two of these prospects were drill tested by Phelps Dodge and encountered local zones of weak gold mineralization associated with quartz veins along shear structures. The strong gold in soil anomalies were not explained by the identified vein systems.

Prospecting activities were conducted on the Laidman property in 2001 in an effort to locate additional mineralized areas. Prospecting confirmed the presence of strong gold mineralization within granitic rocks(sample JB36, 4700 ppb gold). The work program was prematurely terminated due to an early snowfall resulting in only a small portion of the property being explored. The large soil anomaly previously identified was not adequately prospected.

It is recommended that additional exploration be conducted on the Laidman property to determine the extent of the epithermal gold mineralization. A program of geological mapping and rock geochemical sampling is required to further identify the mineralized areas.

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1.0 Introduction

This report provides:

- 1. a review of the geologic setting and mineral exploration history of the Laidman gold prospect, and
- 2. a summary of the results from a prospecting program conducted on the Laidman Property between October 22 and October 26, 2001.

2.0 Property Description and Location

The 20 unit, 500 hectare Entiako 1 mineral claim, part of the Laidman property, is located on NTS map sheet 93 F/3E within the Omineca Mining Division of north central British Columbia (Figures 1 and 2).

| Claim Name | Tenure Number | No. of Units | Expiry Date* |
|------------|---------------|--------------|--------------|
| Entiako 1 | 387225 | 20 | Jun 15 /06 |

^{*}Assumes acceptance of this Assessment Report

The mineral claim is located approximately 190 km south west of Prince George, B.C., and 100 km south of the community of Fraser Lake, B.C.. The property's center is located at approximately 53°11' North latitude and 125° 10' West longitude.

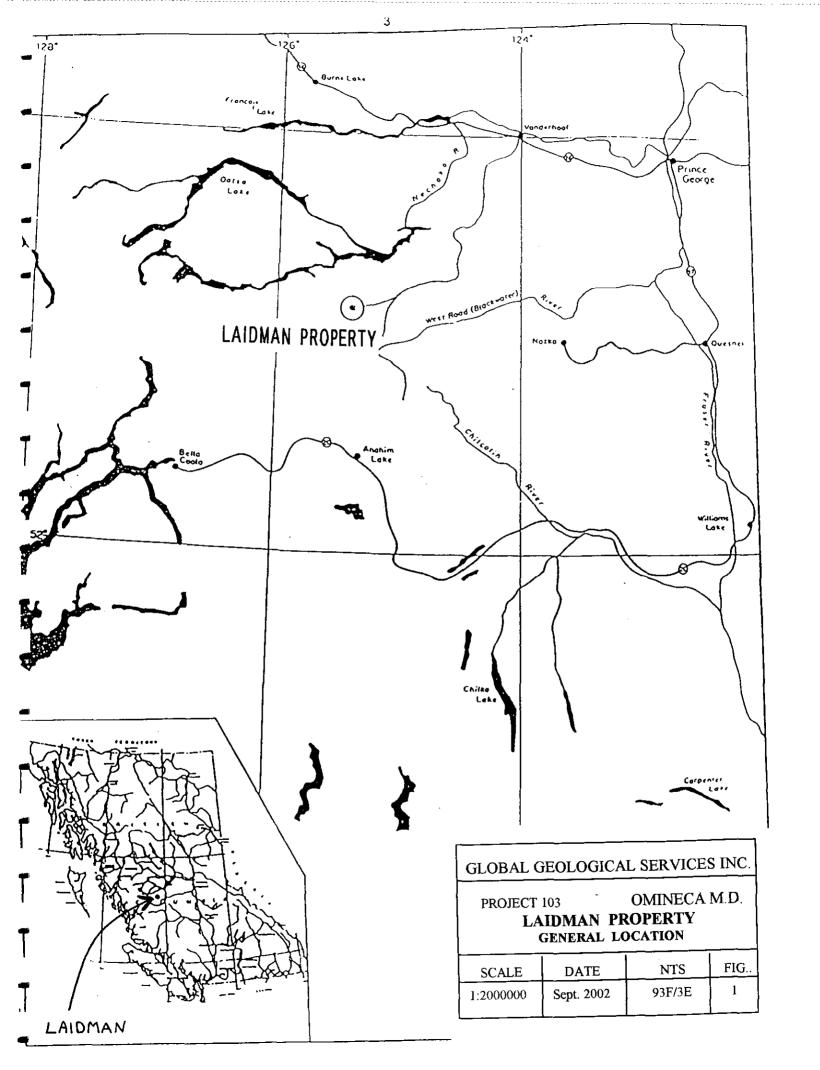
The Laidman property is located within a resource development designated area and there are no known Native Land Claims_issues. Approximately half of the property has been logged by clear cut methods. Disturbance from previous exploration activities has been reclaimed and there are no known environmental concerns.

Prior to conducting any exploration program a Mineral Exploration permit must be granted by The Ministry of Energy and Mines. A Free Use permit will be required from the Ministry of Forests should disturbance of timbered areas exceed the allowance in the Mineral Exploration permit.

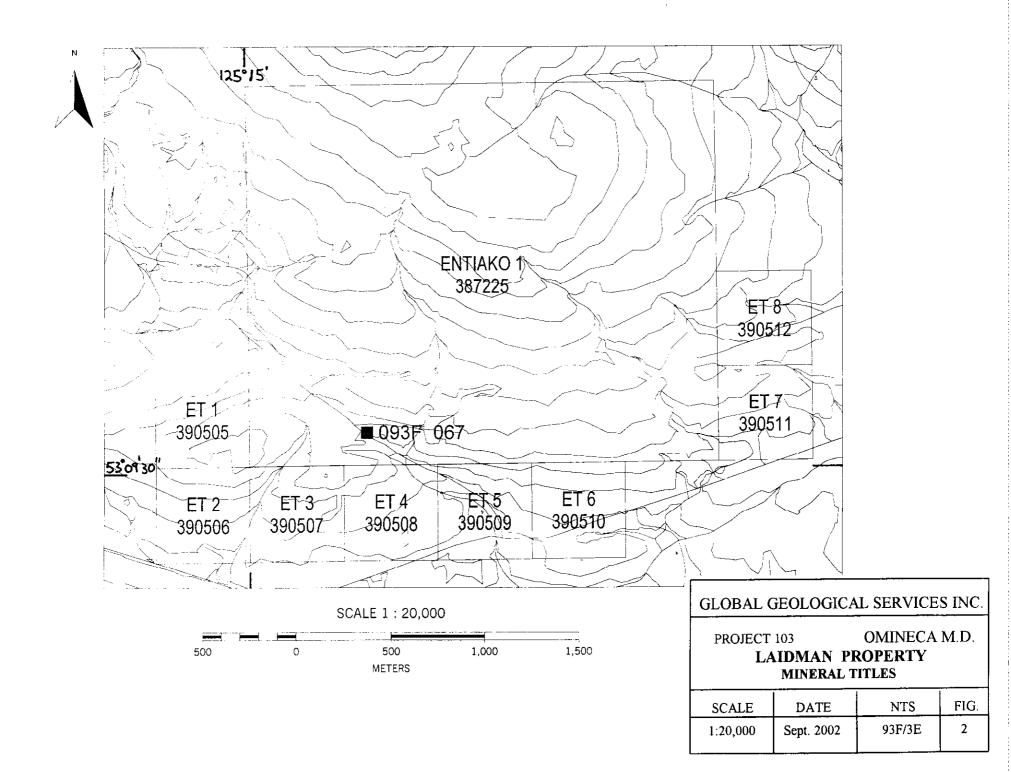
3.0 Access and Physiography

Access to the property is from Vanderhoof, B.C via the Kluskus-Ootsa Forest Service Road for approximately 140 kilometers and then southwest along the Kluskus-Malaput Forest Service Road for a further 15 kilometers. Turn north onto the 5000 Road and follow it for 1200 meters, the property extends northeast of the road.

The mineral claim is located on the upper southwest facing slope of Entiako Spur in the Fawnie Range. Topography is gentle to moderate with elevations ranging from 1200 metres to 1475 metres. Forest cover is typical of the region, consisting of open space spruce and pine. Approximately half of the property has been logged which provides reasonable local access throughout the property.



' Laiαman' Property'- Claim Map'



4.0 Exploration History

In 1994 Cogema Resources Ltd. staked the CR and LD claims to cover the up ice trend of anomalous till samples reported by a BC government regional geochemical survey release in June of that year. Phelps Dodge Corporation of Canada, Limited staked the Laid 1 claim following the same release and subsequently optioned the CR and LD claims from Cogema in 1995. There is no recorded work prior to the staking in 1994 but claim posts dating from the 1970's were found within the 1994 property boundaries.

During 1994 Cogema and Phelps Dodge conducted geological mapping, prospecting, rock and reconnaissance style till/soil sampling of their respective claims. Cogema prospectors discovered mineralized rocks of the Laidman batholith on the LD4 claim and a zone of skarn mineralization on the western CR claims.

From 1995 to 1997, Phelps Dodge performed extensive mapping, prospecting, soil and rock geochemical sampling, trenching and diamond drilling (5 holes totaling 1004.5 meters). Soil samples defined a strong north-northwest trending arsenic-antimony anomaly with sporadic elevated levels of gold. The Discovery and "110" mineralized zones were identified and drilling was concentrated in the "110" Zone.

The Laidman property claims lapsed October 20, 2000 and the key zones of alteration and mineralization were subsequently staked as the Entiako 1 mineral claim.

5.0 Geological Setting

5.1 Regional Geology

The Laidman gold prospect is situated in the Interior Plateau region of central British Columbia within the Intermontane Belt, comprised of accretionary plates of the Stikinia, Cache Creek and Quesnellia Terranes. These terranes are composed of late Paleozoic and Mesozoic marine volcanic and sedimentary rocks and Mesozoic to late Tertiary marine and non-marine sedimentary and volcanic rocks. The Yalakom and Pinchi Fault systems bound the Plateau to the southwest and northeast and a third fault, inferred from oil exploration, bisects the Plateau in a northerly direction. The Miocene to Quaternary Anahim Volcanic belt, which crosses the Plateau in an east west direction, is composed of a series of alkaline and peralkaline volcanic centers, younging from west to east. (Figure 3).

More specifically, the claim lies within the Nechako Arch (Figure 4), which consists of several volcano-stratigraphic groups ranging in age from Jurrasic to Miocene. Pre-Tertiary rocks of the Nechako Arch include clastics of the lower Cretacous Skeena Group, calc-alkaline volcanic and volcaniclastic rocks of the middle Jurrasic Hazelton Group, and Cretaceous age granitic plutons. Chief structural elements of the Nechako Arch are northwest and easterly trending faults that developed a number of faulted bedrock segments, with extension along the

northwesterly faults resulting in basin and range style topography and uplift of the Arch probably occurring along the easterly faults.

The major easterly fault elements are labelled on Figure 4 - these include the Blackwater Lineament (BWL), the Top Lake Lineament (TLL), The Entiako Lake Lineament (ELL), the Trout Lake Lineament (TL) and the Hallet Lake Lineament (HLL)

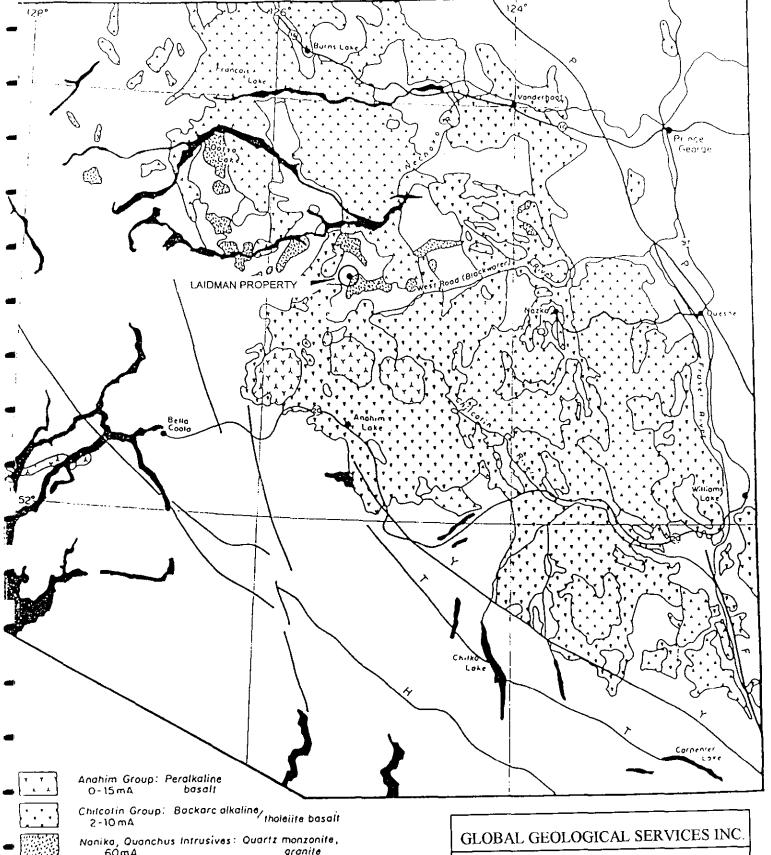
Key mineral showings of the Nechako Arch are located on Figure 4. The Tsacha gold Prospect (T) lies just north of the Blackwater Lineament, the Laidman gold prospect (L), Fawn (F), Malaput (M), Buck (Bk), April (A) and Ben (B) on, or near, the Top Lake Lineament, the Yellow Moose (Y) and Stubb Bay (S) prospects on the Trout Lake Lineament, the Holy Cross(HC) near the Hallet Lake Lineament and Wolf (W) and Capoose (C) between the Top Lake and Entiako Lake Lineaments. Note that the easterly trending faults appear to be a significant metallogenic feature of the Nechako Arch. The Laidman Property is located almost exactly on the Top Lake Lineament.

5.2 Property Geology

The Entiako 1 mineral claim is underlain by the late Cretaceous multiphase Laidman Lake batholith. Intrusive rocks consist of aplite, granite, pink to cream coloured biotite-quartz monzonite, monzodiorite and diorite. Medium to coarse grained equigranular textures predominate.

The bulk of the batholith consists of two phases of granite and a single phase of biotite-quartz monzonite. Two generations of aplite dykes cut the granite. These rocks are in turn intruded by a medium grained diorite, followed by a monzodiorite. The fine-grained monzodiorite contains local breccia zones with clasts of all earlier phases.

The mineral claim lies along the north flank of the Top Lake lineament, which has formed a series of south facing scarps believed to represent down faulted blocks within the Laidman Batholith.



Nonika, Quanchus Intrusives: Quartz monzonite, 60mA granite Ootsa Group: Calc-alkaline felsic 35-70mA volcanics

Pre - Tertiary rocks and Coast Intrusions

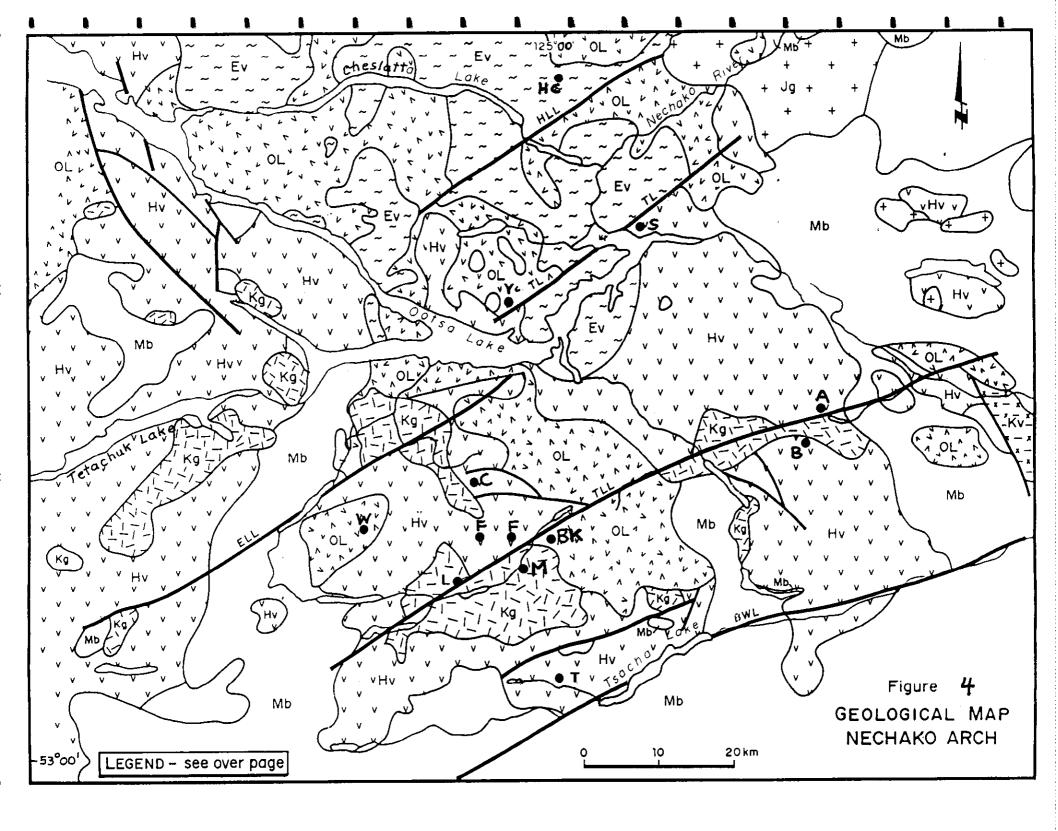
F · Froser

H - Horrison P - Pinchi T - Tchaikozon Foult

Y - Yalakom

OMINECA M.D. PROJECT 103 LAIDMAN PROPERTY REGIONAL GEOLOGY

| SCALE | DATE | NTS | FIG. |
|-----------|------------|--------|------|
| 1:200,000 | Sept. 2002 | 93F/3E | 3 |



LEGEND

MIOCENE

Mb

Flood Basalts

EOCENE

~~~~ Ev

Endako basalt, andesite

71/12 OL

Ootsa Lake rhyolite

**CRETACEOUS** 

**₹**₹**K**g

Granite, quartz monzonite

<del>x-x-</del> <del>x-x-</del> Kv

Kasalka volcanics and sediments

**JURASSIC** 

t+ Jg

Granodiorite

, v , v **Hv** 

Hazelton Group volcanics and volcaniclastics

TLL

Lineaments: BWL - Blackwater

TLL - Top Lake ELL - Entiako Lake TL - Trout Lake

HLL - Hallett Lake

Prospects

A - April

B - Ben

BK - Buck

C - Capoose

F - Fawn

**HC - Holy Cross** 

L - Laidman

M - Malaput

T - Tascha

Y - Yellow Moose

S - Stubb Bay

W - Wolf

#### 5.3 Alteration and Mineralization

Within the property rocks of the Laidman batholith are poorly exposed in small road cuts, rubble crop, and areas of float. In general outcrops are mineralized with trace to 5% disseminated pyrrhotite and lesser amounts of pyrite.

Extensive argillic alteration and quartz vein stockworks have developed in east - northeast trending zones, some of which are exposed in the central part of the claim. The alteration zones vary from 10m to 30m in width but the lateral extent is unknown due to overburden cover. Rocks within these zones are foliated and brecciated, light grey green to white, and contain knots of quartz, chalcedony and clay altered feldspar. Quartz veins are white to translucent, massive to vuggy and contain disseminated aggregates of pyrite and arsenopyrite.

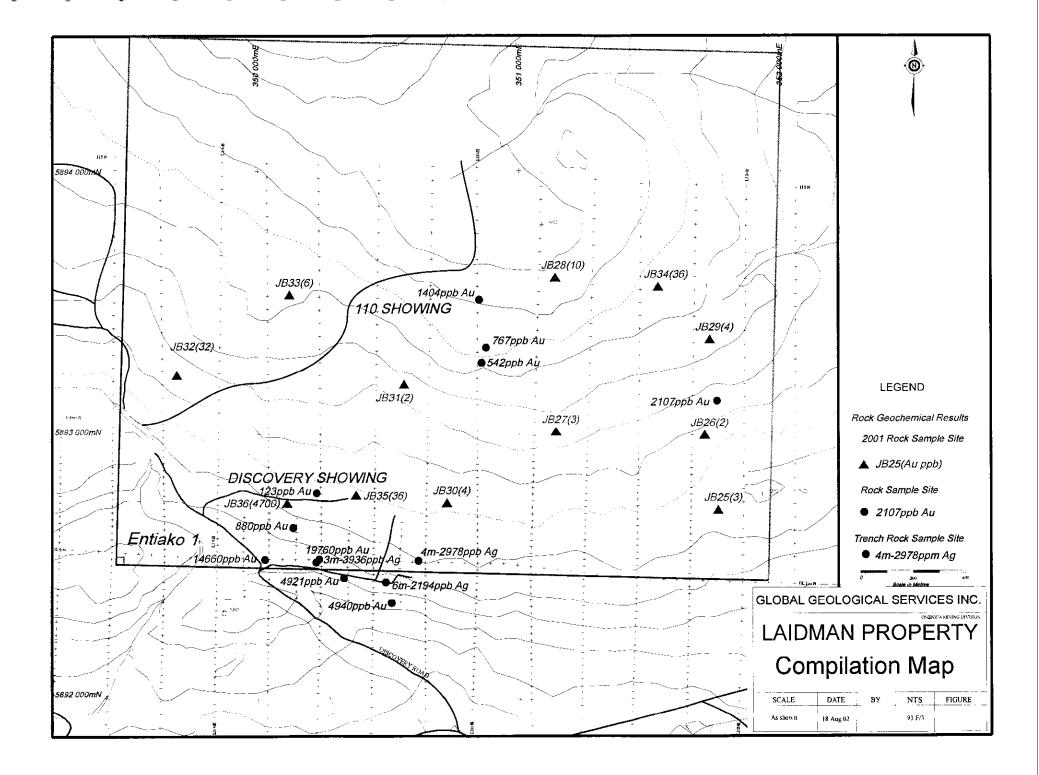
The "Discovery" and "110" zones, identified and named by Phelps Dodge Corporation of Canada, Limited, consist of fine-grained, grayish-green, foliated, sheared and brecciated quartz monzonite and granite containing east-striking quartz and chalcedony veins and quartz breccia. Where exposed the veins form parallel sets of 2 centimeter veinlets consisting of fine-grained quartz and clusters of sulphides. Sulphide mineralization consists of fine-grained disseminated pyrite, arsenopyrite, galena, sphalerite and bismuthinite.

#### 6.0 Data Corroboration

This report relies on information collected from numerous sources including Ministry of Energy and Mines database, bulletins, reports, assessment reports, and personal discussions and notes from the prospectors who conducted the fieldwork.

#### 7.0 2001 Work Program

A prospecting program was conducted on the Entiako I mineral claim by Geoff Goodall, John Boutwell, Richard Roe and Chris Roe between October 22 to 26, 2001. The work program consisted of prospecting traverses and rock geochemical sampling. Twelve rock samples were collected and submitted to ALS Chemex in North Vancouver, B.C. for analyses by 32 element ICP. Figure 5 shows the 2001 rock sample locations with gold content (Au ppb) of each sample shown in brackets. Also shown are selected rock sample results from previous work programs. The 2001 prospecting programs was terminated due to heavy snowfall October 27, 2001.



#### 8.0 Results

Prospecting on the Entiako 1 mineral claim confirmed the presence of significant concentrations of Au and Ag in quartz vein material hosted in altered and structurally prepared quartz monzonite.

Of the twelve rock samples collected, four samples returned anomalous gold concentrations of greater than 10 ppb Au, with one of these (JB36) having a gold content of 4,700 ppb Au.

In general samples with anomalous gold values also contained anomalous concentrations of silver and arsenic. Five samples had silver values between 1.0 ppm and 10.0 ppm Ag, and three of the samples contained arsenic values of 50 ppm As to 482 ppm As.

### 9.0 Interpretation and Conclusions

The Entiako I prospect represents a high level epithermal vein gold system hosted within the Laidman batholith. Pathfinder elements such as arsenic, antimony, silver and bismuth are indicative of a classic epithermal gold deposit styles of mineralization such as Midas, Nevada and El Pineon, Peru.

Exploration by Phelps Dodge Corporation of Canada, Limited during the period 1994 to 1997 included rock and soil sampling, trenching and limited drilling. Rock and trench sample results from this exploration period returned values of up to 19,641 ppb Au, 999 ppm silver, 17,510 Pb and 980 ppm Zn. Arsenic and antimony were also reported to be anomalous. Significant targets of Phelps Dodge caliber were not identified and the claims were allowed to lapse.

Recent prospecting on the Entiako 1 claim confirmed the presence of gold and silver mineralization within an argillically altered and quartz veined multi-phased intrusive. The distribution and extent of gold mineralization on the Laidman property is currently unknown. This is a viable and significant bulk tonnage prospect and warrants additional work.

#### 10.0 Recommendations

It is recommended that an initial program of data acquisition, review and compilation of historic geologic information be undertaken to further assess the Entiako 1 mineral claim. Geologic mapping and further rock geochemical sampling are needed to provide additional information in areas neglected by the previous work programs. A detailed induced polarization geophysical survey is recommended to assist with the determining the extent of mineralized areas.

#### 10.1 Cost Estimate

Cost estimates for the initial phase of exploration on the Entiako 1 mineral claim are provided in the table below.

# Proposed Year 1 Exploration Budget

Data acquisition, compilation, review and additional mapping and sampling

| Compilation, maps and drafting         | :                        | \$5,000      |
|----------------------------------------|--------------------------|--------------|
| Geologic mapping and sampling, 2 i     | men 12 days @ \$700      | \$8,400      |
| Geochemical analyses                   | 150 samples @ \$18       | \$2,700      |
| Travel expenses                        | :                        | \$500        |
| Accommodation and board                | 12 days @ \$75 per day 3 |              |
| Vehicle rental                         | 12 days @ \$75 per day 3 | \$900        |
| Field supplies, communications         |                          | \$500        |
| Report preparation, result compilation | on 4 days @ \$350        | \$1,400      |
| Miscellaneous                          | <u>.</u>                 | <u>\$300</u> |
|                                        |                          |              |
| TOTAL                                  | :                        | \$21,500     |

#### 11.0 Disbursements

A total of \$10,200.00 was spent on the Entiako 1 claim during the 2001 prospecting program, as tabulated below:

| Geoffrey Goodall, P.Geo.  | 5 days prospecting and travel | \$1,750.00  |
|---------------------------|-------------------------------|-------------|
| John Boutwell, prospector | 5 days prospecting and travel | \$1,375.00  |
| Richard Roe, prospector   | 5 days prospecting and travel | \$1,375.00  |
| Chris Roe, assistant      | 5 days prospecting and travel | \$1,125.00  |
| Linda Erdman, M.Sc.       | report writing and printing   | \$554.96    |
| Vehicle and equipment ren | tals                          | \$750.00    |
| Fuel                      |                               | \$250.00    |
| Accommodation and Board   | i                             | \$975.00    |
| Analyses                  |                               | \$2,045.04  |
| TOTAL                     |                               | \$10,200.00 |

Prepared by:

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Linda Erdman, B.Sc., M.Sc.

### 12.0 Bibliography

Diakow, L.J. and Webster, I.C.L. 1994. Geology of the Fawnie Creek Map Area in Geological Fieldwork 1993, Paper 1994-1 British Columbia Geological Survey Branch, 1993 p. 15-26.

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Schimann, K. 1994. Geological and Geochemical Report on the CR Claims, Omineca Mining Division, B.C. Cogema Resources Assessment Report 23751

# 13.0 Certificate of Qualified Person

#### I, Linda R. Erdman, certify to the following:

- 1. I am a consulting geologist residing at 1315 Arborlynn Drive, North Vancouver, B.C.
- 2. I am a graduate of the University of British Columbia with a Bachelor and a Master of Science degree in Geological Sciences.
- 3. I have been engaged in geological work since graduation in 1978.
- 4. I am a "Qualified Person" as defined by National Instrument 43-101.
- 5. I am the author of the report titled "Prospecting Report on the Laidman Property", dated September 6, 2002

Linda R. Erdman B.Sc., M.Sc.

North Vancouver, BC September 6, 2002

# Appendix 1

# Geochemical Analyses



Aurora Laboratory Services Ltd. Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver British Columbia, Canada V7J 2C1 PHONE: 604-984-0221 FAX: 604-984-0218

GLOBAL GEOLOGICAL SERVICES INC.

1315 ARBORLYNN DR. NORTH VANCOUVER, BC V7J 2V6

Project: 103BC Comments: ATTN: GEOFF GOODALL

**CERTIFICATE OF ANALYSIS** 

A0127415

Page Number : 2-A Total Pages : 2 Certificate Date: 07-NOV-2001 Invoice No. : I0127415

P.O. Number Account :RYM

| SAMPLE C  DB30 941  DB31 941  DB32 941  DB33 941  DB35 941  DB36 941  RR01 941  RR02 941  RR03 941  RR04 941  RR05 941  RR06 941 | REP<br>ODE<br>39402<br>39402<br>39402<br>39402<br>39402<br>39402<br>39402<br>39402   | 0.92<br>1.14<br>0.52<br>0.60<br>1.50<br>1.46<br>0.74<br>1.44<br>1.54<br>0.86 | 4 32 7 4700 20                             |                                                         | 0.74<br>0.39<br>0.20<br>0.25<br>1.98<br>0.30<br>0.21<br>0.31      | As<br>ppm<br>6<br>50<br>8<br>4<br>8<br>224<br>482<br>318 | B ppm < 10 < 10 < 10 < 10 < 10 < 10 < 10 < 1 | 30<br>70<br>50             | Be ppm 0.5 0.5 0.5 0.5 0.5 2.0         | Bi<br>ppm < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 < | 0.01<br>0.01<br>0.01                 | < 0.5                                     | Co ppm  19 1 60 < 1 13     | Cr<br>ppm<br>19<br>29<br>55<br>56<br>32 | Cu<br>ppm<br>6<br>84<br>22<br>3<br>2 | 4.64<br>4.34<br>5.47<br>1.44<br>5.38 | Ga ppm < 10 < 10 < 10 < 10 < 10 < 10 | Hg ppm < 1 1          | 0.17<br>0.19<br>0.13<br>0.28 |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|----------------------------|----------------------------------------|-------------------------------------------------|--------------------------------------|-------------------------------------------|----------------------------|-----------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------|------------------------------|
| SAMPLE C  DB30 941  DB31 941  DB32 941  DB33 941  DB35 941  DB36 941  RR01 941  RR02 941  RR03 941  RR04 941  RR05 941  RR06 941 | ODE<br>39402<br>39402<br>39402<br>39402<br>39402<br>39402<br>39402<br>39402<br>39402 | Kg I 0.92 1.14 0.52 0.60 1.50 1.46 0.74 1.44 1.54 0.86                       | 4<br>2<br>32<br>6<br>7<br>4700<br>63<br>17 | Ppm.  < 0.2 0.4 7.0 0.8 < 0.2 2.0 10.0 3.6 0.2          | %<br>0.74<br>0.39<br>0.20<br>0.25<br>1.98<br>0.30<br>0.21<br>0.31 | ppm 6 50 8 4 8 224 482                                   | <pre></pre>                                  | 60<br>80<br>30<br>70<br>50 | 0.5<br>0.5<br>0.5<br>0.5<br>0.5<br>0.5 | ppm < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 <       | 0.34<br>0.01<br>0.01<br>0.01<br>1.83 | < 0.5<br>< 0.5<br>< 0.5<br>< 0.5<br>< 0.5 | 19<br>1<br>60<br>< 1<br>13 | 19<br>29<br>55<br>56<br>32              | ppm<br>6<br>84<br>22<br>3<br>2       | 4.64<br>4.34<br>5.47<br>1.44<br>5.38 | ppm < 10 < 10 < 10 < 10 < 10         | <pre>ppm &lt; 1</pre> | 0.19<br>0.13<br>0.28         |
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| ### ### ### ### ### ### ### ### ### ##                                                                                           | 39402<br>39402<br>39402<br>39402<br>39402<br>39402<br>39402<br>39402<br>39402        | 1.14<br>0.52<br>0.60<br>1.50<br>1.46<br>0.74<br>1.44<br>1.54<br>0.86         | 32<br>6<br>7<br>4700<br>63<br>17           | 7.0<br>0.8<br>< 0.2<br>2.0<br>10.0<br>3.6<br>0.2        | 0.20<br>0.25<br>1.98<br>0.30<br>0.21<br>0.31                      | 8<br>4<br>8<br>224<br>482                                | < 10<br>< 10<br>< 10<br>< 10                 | 30<br>70<br>50             | 0.5<br>0.5<br>0.5                      | < 2<br>< 2 <<br>< 2                             | 0.01<br>0.01<br>1.83                 | < 0.5<br>< 0.5<br>< 0.5                   | 60<br>< 1<br>13            | 55<br>56<br>32                          | 22<br>3<br>2                         | 5.47<br>1.44<br>5.38                 | < 10<br>< 10                         | < 1<br>< 1            | 0.13<br>0.28                 |
| TB33 941 TB34 941 TB35 941 TB36 941 RR01 941 RR02 941 RR03 941 RR04 941 RR05 941 RR06 941                                        | 39402<br>39402<br>39402<br>39402<br>39402<br>39402<br>39402                          | 0.60<br>1.50<br>1.46<br>0.74<br>1.44<br>1.54<br>0.86                         | 6<br>7<br>4700<br>63<br>17                 | 2.0<br>10.0<br>3.6<br>0.2                               | 0.25<br>1.98<br>0.30<br>0.21<br>0.31                              | 224<br>482                                               | < 10<br>< 10<br>< 10<br>< 10                 | 70<br>50                   | 2.0                                    | < 2 < < 2                                       | 0.01<br>1.83                         | < 0.5<br>< 0.5                            | < 1<br>13                  | 56<br>32                                | 3 2                                  | 1.44 5.38                            | < 10                                 | < 1                   | 0.28                         |
| TB34 941 TB35 941 TB36 941 RR01 941 RR02 941 RR03 941 RR04 941 RR05 941 RR06 941                                                 | 39402<br>39402<br>39402<br>39402<br>39402<br>39402                                   | 1.50<br>1.46<br>0.74<br>1.44<br>1.54<br>0.86                                 | 36<br>4700<br>63                           | 2.0<br>10.0<br>3.6<br>0.2                               | 0.30<br>0.21<br>0.31                                              | 224<br>482                                               | < 10<br>< 10<br>< 10                         | 50                         | 2.0                                    | < 2                                             | 1.83                                 | < 0.5                                     | 13                         | 32                                      | 2                                    | 5.38                                 |                                      |                       |                              |
| JB35 941<br>JB36 941<br>RR01 941<br>RR02 941<br>RR03 941<br>RR04 941<br>RR05 941                                                 | 39402<br>39402<br>39402<br>39402<br>39402                                            | 1.46<br>0.74<br>1.44<br>1.54<br>0.86                                         | 36<br>4700<br>63<br>17                     | 2.0<br>10.0<br>3.6<br>0.2                               | 0.30<br>0.21<br>0.31                                              | 224<br>482                                               | < 10<br>< 10                                 | 50                         | 2.0                                    |                                                 | -                                    |                                           |                            |                                         |                                      |                                      |                                      | ` *                   | 0.25                         |
| TB36 941 RR01 941 RR02 941 RR03 941 RR04 941 RR05 941 RR06 941                                                                   | 39402<br>39402<br>39402<br>39402<br>39402                                            | 0.74<br>1.44<br>1.54<br>0.86                                                 | 4700<br>63<br>17                           | 10.0<br>3.6<br>0.2                                      | 0.21<br>0.31                                                      | 482                                                      | < 10                                         |                            |                                        | < 2                                             | 0.02                                 | 2 A E                                     |                            |                                         |                                      |                                      |                                      |                       |                              |
| RR01 941<br>RR02 941<br>RR03 941<br>RR04 941<br>RR05 941<br>RR06 941                                                             | 39402<br>39402<br>39402<br>39402                                                     | 1.44<br>1.54<br>0.86                                                         | 63<br>17                                   | 3.6<br>0.2                                              | 0.31                                                              |                                                          |                                              |                            |                                        |                                                 |                                      |                                           | 4                          | 57<br>57                                | 21<br>9                              | 2.92<br>1.05                         | < 10<br>< 10                         | < 1<br>< 1            | 0.20                         |
| RR02 941<br>RR03 941<br>RR04 941<br>RR05 941<br>RR06 941                                                                         | 39402<br>39402<br>39402                                                              | 1.54<br>0.86                                                                 | 17                                         | 0.2                                                     |                                                                   | 312                                                      | . 10                                         |                            | < 0.5                                  | < 2                                             | 0.02                                 | 1.0                                       | 1<br>2                     | 29                                      | 11                                   | 1.24                                 | < 10                                 | ` 3                   | 0.30                         |
| RR03 941<br>RR04 941<br>RR05 941<br>RR06 941                                                                                     | 39402<br>39402                                                                       | 0.86                                                                         |                                            |                                                         |                                                                   | 4                                                        | < 10<br>< 10                                 |                            | < 0.5<br>< 0.5                         |                                                 | 0.01                                 |                                           | < î                        | 49                                      | 17                                   | 0.66                                 | < 10                                 | < 1                   | 0.17                         |
| RR04 941<br>RR05 941<br>RR06 941                                                                                                 | 39402                                                                                |                                                                              | 20                                         |                                                         | 0.13                                                              | 2                                                        | < 10                                         |                            | < 0.5                                  |                                                 | 0.01                                 |                                           | ₹ 1                        | 53                                      | 13                                   | 0.62                                 | < 10                                 | < 1                   | 0.30                         |
| RR05 941<br>RR06 941                                                                                                             | 39402                                                                                | 1 10                                                                         |                                            | 1.0                                                     |                                                                   |                                                          |                                              |                            |                                        |                                                 |                                      |                                           |                            |                                         |                                      |                                      | · · · · · ·                          |                       |                              |
| RR06 941                                                                                                                         | _ L i                                                                                | 1.10                                                                         | 13                                         | 1.4                                                     | 0.25                                                              | 8                                                        | < 10                                         |                            | < 0.5                                  |                                                 | 0.01                                 |                                           | 2                          | 40                                      | 17                                   | 0.60                                 | < 10                                 | < 1<br>< 1            | 0.20                         |
|                                                                                                                                  | 39402                                                                                | 0.84                                                                         | 6                                          | 1.0                                                     | 0.27                                                              | 50                                                       | < 10                                         |                            | < 0.5                                  |                                                 | 0.01                                 |                                           | 16                         | 69<br>74                                | 13<br>12                             | 1.94                                 | < 10<br>< 10                         | < 1                   | 0.13                         |
| DD07 DA1                                                                                                                         | 39402                                                                                |                                                                              | 23                                         | 0.2                                                     | 0.16                                                              | 8                                                        | < 10                                         |                            | < 0.5                                  |                                                 | 0.01                                 |                                           | < 1<br>1                   | 65                                      | 16                                   | 0.99                                 | < 10                                 | < 1                   | 0.16                         |
|                                                                                                                                  | 39402                                                                                |                                                                              | 5                                          | 0.8                                                     | 0.34                                                              | < 2                                                      | < 10                                         |                            | < 0.5<br>< 0.5                         |                                                 | 0.01                                 |                                           | < 1                        | 44                                      | 14                                   | 1.76                                 | < 10                                 | < 1                   | 0.27                         |
| RR08 941                                                                                                                         | 39402                                                                                | 1.26                                                                         | 6                                          | < 0.2                                                   | 0.23                                                              | 8                                                        | < 10                                         | 200                        | < 0.5                                  |                                                 |                                      | · · · · · · · · · · · · · · · · · · ·     |                            |                                         |                                      |                                      |                                      |                       |                              |
|                                                                                                                                  | 39402                                                                                |                                                                              | 7                                          | 3.0                                                     | 0.19                                                              | < 2                                                      | < 10                                         |                            | < 0.5                                  |                                                 |                                      | < 0.5                                     | < 1<br>< 1                 | 48<br>42                                | 20<br>24                             | 0.41                                 | < 10<br>< 10                         | < 1<br>< 1            | 0.22                         |
|                                                                                                                                  | 39402                                                                                |                                                                              | 2                                          | < 0.2                                                   | 0.18                                                              | 2                                                        | < 10                                         |                            | < 0.5<br>< 0.5                         |                                                 |                                      | < 0.5<br>< 0.5                            | ` 3                        | 52                                      | 9                                    | 0.83                                 | < 10                                 | ₹ î                   | 0.23                         |
|                                                                                                                                  | 39402                                                                                |                                                                              | 6                                          | 0.4                                                     | 0.19                                                              | 22                                                       | < 10<br>< 10                                 |                            | < 0.5                                  |                                                 |                                      | < 0.5                                     | í                          | 74                                      | 6                                    | 2.02                                 | < 10                                 | < 1                   | 0.47                         |
|                                                                                                                                  | 39402                                                                                |                                                                              | 2                                          | 0.2                                                     | 0.12<br>0.20                                                      | < 2<br>2                                                 | < 10                                         |                            | < 0.5                                  |                                                 |                                      | < 0.5                                     | ī                          | 85                                      | 43                                   | 1.31                                 | < 10                                 | < 1                   | 0.23                         |
| RR13 941                                                                                                                         | .39402                                                                               | 0.92                                                                         | 7                                          | 1.8                                                     | 0.20                                                              |                                                          | · 10                                         | 300                        | . 0.3                                  |                                                 |                                      |                                           |                            |                                         |                                      |                                      |                                      |                       |                              |
| RR14 941                                                                                                                         | 39402                                                                                | 0.80                                                                         | 2                                          | 1.2                                                     | 0.23                                                              | 2                                                        | < 10                                         |                            | < 0.5                                  |                                                 | 0.01                                 | < 0.5                                     | 13                         | 61                                      | 22                                   | 0.68                                 | < 10                                 | < 1                   | 0.19                         |
| RR15 941                                                                                                                         | 39402                                                                                | 0.96                                                                         | 4                                          | 2.4                                                     | 0.17                                                              | 10                                                       | < 10                                         |                            | < 0.5                                  |                                                 | 0.01                                 | < 0.5                                     | 1                          | 78                                      | 51                                   | 1.71                                 | < 10                                 | < 1<br>< 1            | 0.23                         |
| RR16 941                                                                                                                         | 39402                                                                                | 0.92                                                                         | 64                                         | < 0.2                                                   | 0.22                                                              | 6                                                        | < 10                                         |                            | < 0.5                                  |                                                 |                                      | < 0.5                                     | < 1                        | 48                                      | 8                                    | 1.67                                 | < 10<br>< 10                         | < 1                   | 0.23                         |
| RR17 941                                                                                                                         | 139402                                                                               | 1.12                                                                         | 41                                         | 7.4                                                     | 0.20                                                              | 4                                                        | < 10                                         |                            | < 0.5                                  |                                                 | 0.01                                 | < 0.5                                     | 112                        | 38                                      | 104<br>24                            | 2.04                                 | < 10                                 | < 1                   | 0.19                         |
| RR18 941                                                                                                                         | .39402                                                                               | 0.78                                                                         | 5                                          | 0.6                                                     | 0.20                                                              | 6                                                        | < 10                                         | 170                        | < 0.5                                  | < 2 <                                           | 0.01                                 | < 0.5                                     | < 1                        | 47                                      |                                      |                                      | / 10                                 |                       |                              |
| RR19 941                                                                                                                         | 39402                                                                                | 0.84                                                                         | >2000 24.0                                 | 2 20.8                                                  | 0.17                                                              | < 2                                                      | < 10                                         | 140                        | < 0.5                                  | < 2 <                                           | 0.01                                 | < 0.5                                     | 1                          | 107                                     | 33                                   | 0.99                                 | < 10                                 | < 1                   | 0.14                         |
|                                                                                                                                  | 39402                                                                                |                                                                              | 130                                        | 9.4                                                     | 0.12                                                              | 28                                                       | < 10                                         | 80                         | < 0.5                                  | < 2                                             | 0.01                                 | < 0.5                                     | 11                         | 81                                      | 130                                  | 1.79                                 | < 10                                 | < 1                   | 0.14                         |

CERTIFICATION:\_\_\_\_



Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver British Columbia, Canada V7J 2C1 PHONE: 604-984-0221 FAX: 604-984-0218 North Vancouver V7J 2C1 To: GLOBAL GEOLOGICAL SERVICES INC.

1315 ARBORLYNN DR. NORTH VANCOUVER, BC V7J 2V6

Project: 103BC Comments: ATTN: GEOFF GOODALL

Page Number : 1-A Total Pages : 2 Certificate Date: 07-NOV-2001

Invoice No.
P.O. Number
Account :10127415

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|              |                      |                    |         |              |              |            |              |             | CE             | RTIFI      | CATE             | OF A           | NALY       | SIS        | P         | 10127        | 415                                    |            | ·      |
|--------------|----------------------|--------------------|---------|--------------|--------------|------------|--------------|-------------|----------------|------------|------------------|----------------|------------|------------|-----------|--------------|----------------------------------------|------------|--------|
| Sample       | PREP<br>CODE         | Weight Au<br>Kg IC |         | -            | Al<br>%      | As<br>ppm  | B            | ppm<br>Ba   | Ве             | Bi<br>ppm  | Ca<br>%          | ppm<br>Cd      | DDur<br>Co | Cr<br>ppm  | Cu<br>ppm | Fe<br>%      | Ga<br>ppm                              | Hg<br>Ppm  | K<br>% |
| GG01         | 94139402             | 0.78               | 11      | 2.4          | 0.54         | 56         | < 10         | 450         | < 0.5          | 2          | 0.03             | < 0.5          | 1          | 24         | 13        | 0.79         | < 10                                   | < 1        | 0.47   |
| 3G02         | 94139402             |                    | 6       | 0.4          | 0.24         | < 2        | < 10         | 240         | < 0.5          | < 2        | 0.03             | < 0.5          | < 1        | 61         | 9         | 0.86         | < 10                                   | 1          | 0.37   |
| 3G03         | 94139402             |                    | 6       | 0.2          | 0.43         | 12         | < 10         | 290         | < 0.5          | < 2        | 0.03             | < 0.5          | 3          | 44         | 15        | 1.12         | < 10                                   | < 1        | 0.35   |
| 3G04         | 94139402             | 1.08               | 8       | < 0.2        | 0.31         | 2          | < 10         | 510         | < 0.5          | < 2        | 0.04             | < 0.5          | < 1        | 42         | 10        | 1.53         | < 10                                   | < 1<br>1   | 0.33   |
| 3G05         | 94139402             | 0.86               | 5       | 0.6          | 1.35         | 2          | < 10         | 270         | < 0.5          | 2          | 0.08             | < 0.5          | 4          | 51         | 34        | 3.60         | < 10                                   |            | 0.10   |
| G06          | 94139402             |                    | 95      | 4.4          | 0.20         | 6          | < 10         | 430         | < 0.5          | < 2        | 0.02             | < 0.5          | < 1        | 71         | 46<br>67  | 0.79<br>2.86 | < 10<br>< 10                           | < 1<br>< 1 | 0.24   |
| <b>3</b> G07 | 94139402             |                    | 37      | 2.0          | 0.31         | 2          | < 10         | 40          | < 0.5          | < 2        | 0.05             | < 0.5          | 2<br>56    | 47<br>48   | 180       | 2.80         | < 10                                   | < 1        | 0.28   |
| 3G08         | 94139402             |                    | 36      | 6.2          | 0.30         | 8<br>14    | < 10<br>< 10 | 40<br>60    | < 0.5<br>0.5   | < 2<br>< 2 | 0.10             | < 0.5<br>< 0.5 | 21         | 113        | 304       | 6.50         | 10                                     | ì          | 0.21   |
| 3G09<br>3G10 | 94139402<br>94139402 |                    | 10<br>7 | 3.2<br>0.6   | 1.78<br>0.25 | 4          | < 10         | 140         | < 0.5          |            | < 0.01           | < 0.5          | < 1        | 54         | 12        | 0.51         | < 10                                   | < 1        | 0.32   |
| G11          | 94139402             | 2.10               | 36      | 39.6         | 0.21         | 14         | < 10         | 280         | < 0.5          | 10         | 0.04             | < 0.5          | 3          | 156        | 280       | 4.76         | < 10                                   | < 1        | 0.13   |
| JB01         | 94139402             |                    | 44      | 1.4          | 0.52         | 36         | < 10         | 1430        | 1.0            | < 2        | 0.01             | < 0.5          | 11         | 57         | 273       | 5.19         | < 10                                   | < 1        | 0.21   |
| JB02         | 94139402             |                    | 5       | < 0.2        | 0.39         | 2          | < 10         | 120         | < 0.5          | < 2        | 0.01             | < 0.5          | 7          | 81         | 21        | 2.07         | < 10                                   | < 1        | 0.33   |
| TB03         | 94139402             | 0.42               | 31      | 74.8         | 0.21         | < 2        | < 10         | 270         | < 0.5          |            | < 0.01           | < 0.5          | < 1        | 109        | 684       | 0.49         | < 10                                   | < 1<br>1   | 0.28   |
| <b>7B04</b>  | 94139402             | 0.44               | 5       | 1.2          | 0.40         | 10         | < 10         | 710         | 1.5            | < 2        | 0.01             | < 0.5          | 5          | 67         | 159       | 3.07         | < 10                                   |            | 0.22   |
| JB05         | 94139402             |                    | 4       | 0.6          | 0.19         | 2          | < 10         | 70          | < 0.5          | < 2        | 0.01             | < 0.5          | 6          | 90         | 7<br>11   | 2.08         | < 10<br>< 10                           | < 1<br>< 1 | 0.35   |
| <b>ЛВ</b> 06 | 94139402             |                    | < 1     | 0.2          | 0.32         | < 2        | < 10         | 110<br>110  | < 0.5<br>< 0.5 |            | < 0.01<br>< 0.01 | < 0.5<br>< 0.5 | < 1<br>< 1 | 63<br>67   | 16        | 0.94         | < 10                                   | < 1        | 0.33   |
| JB07         | 94139402             |                    | < 1     | < 0.2        | 0.23         | < 2<br>< 2 | < 10<br>< 10 | 180         | < 0.5          |            | < 0.01           | < 0.5          | < 1        | 122        | 8         | 0.90         | < 10                                   | < 1        | 0.26   |
| JB08         | 4139402              |                    | 33      | 1.4<br>< 0.2 | 0.14         | < 2        | < 10         | 160         | < 0.5          |            | < 0.01           | < 0.5          | ₹ 1        | 82         | 6         | 0.74         | < 10                                   | < 1        | 0.42   |
| <b>ЈВ</b> 09 | 94139402             | 1.28               |         | ( 0.2        |              |            |              |             |                |            |                  |                |            |            |           |              |                                        |            | 0.30   |
| JB10         | 94139402             |                    | 210     | 0.2          | 0.24         | < 2        | < 10         | 130         | < 0.5          |            | < 0.01           | < 0.5          | < 1        | 73         | 14        | 1.29         | < 10                                   | < 1<br>< 1 | 0.30   |
| JB11         | 94139402             |                    | 8       | 0.4          | 0.21         | < 2        | < 10         | 350         | < 0.5          |            | < 0.01           | < 0.5          | < 1        | 69<br>82   | 1<br>14   | 1.15         | < 10<br>< 10                           | < 1        | 0.33   |
| JB12         | 94139402             |                    | 5       | 0.2          | 0.27         | 2          | < 10         | 100         | < 0.5<br>< 0.5 |            | < 0.01<br>< 0.01 | < 0.5<br>< 0.5 | < 1<br>1   | 68         | 51        | 0.94         | < 10                                   | 1          | 0.22   |
| JB13         | 94139402             |                    | 9       |              | 0.24<br>0.27 | 6<br>2     | < 10<br>< 10 | 110<br>180  | < 0.5          |            | < 0.01           | < 0.5          | 1          | 64         | 24        | 1.83         | < 10                                   | < 1        | 0.29   |
| JB14         | 94139402             | 0.64               | 3       | 0.2          | 0.27         |            | <u> </u>     |             |                |            |                  |                |            |            |           |              | ······································ |            |        |
| JB15         | 94139402             |                    | 120     |              | 0.21<br>0.43 | < 2<br>< 2 | < 10<br>< 10 | 1090<br>210 | < 0.5<br>< 0.5 |            | < 0.01<br>< 0.01 | < 0.5<br>< 0.5 | 1<br>< 1   | 72<br>31   | < 1<br>4  | 1.03         | < 10<br>< 10                           | < 1<br>< 1 | 0.29   |
| JB16         | 94139402             |                    | 400     | 2.4<br>5.0   | 0.23         | 8          | < 10         | 130         | < 0.5          |            | < 0.01           | < 0.5          | ī          | 79         | 40        | 2.37         | < 10                                   | < 1        | 0.28   |
| JB17<br>JB18 | 94139402<br>94139402 |                    | 12      | 1.4          | 0.35         | 6          | < 10         | 300         | 1.0            |            | < 0.01           | < 0.5          | ĩ          | 38         | 16        | 1.78         | < 10                                   | < 1        | 0.33   |
| ЈВ19         | 94139402             |                    | 5       |              | 0.27         | 4          | < 10         | 350         | < 0.5          |            | < 0.01           | < 0.5          | 4          | 94         | 6         | 1.45         | < 10                                   | < 1        | 0.36   |
| <b>ЈВ20</b>  | 94139402             | 0.56               | 3       | 0.6          | 0.29         | 8          | < 10         | 650         | < 0.5          | < 2        | 0.01             | < 0.5          | < 1        | 85         | 3         | 2.57         | < 10                                   | < 1        | 0.31   |
| JB21         | 94139402             |                    | 3       | 5.0          | 0.08         | < 2        | < 10         | 1610        | < 0.5          |            | < 0.01           | < 0.5          | 1          | 177        | 4         | 0.66         | < 10                                   | 4 2        | 0.08   |
| JB22         | 94139402             | 0.80               | < 1     | < 0.2        | 0.19         | < 2        | < 10         | 210         | < 0.5          |            | < 0.01           | < 0.5          | < 1        | 101        | 1 4       | 1.22         | < 10<br>< 10                           | < 1        | 0.22   |
| JB23         | 94139402             |                    | 7       | 1.2          | 0.07         | 224        | < 10         | 90          | < 0.5          |            | < 0.01           | < 0.5          | 2<br>3     | 179<br>159 | 54        | 1.42         | < 10                                   | < 1        | 0.16   |
| JB24         | 94139402             | 0.82               | 7       | 1.6          | 0.12         | 86         | < 10         | 80          | < 0.5          |            | < 0.01           | < 0.5          |            |            |           |              |                                        |            |        |
| JB25         | 94139402             |                    | 3       |              | 0.52         | 4          | < 10         | 300         | < 0.5<br>< 0.5 | < 2<br>< 2 | 0.07             | < 0.5<br>< 0.5 | < 1<br>1   | 53<br>80   | 12<br>8   | 1.66<br>1.21 | < 10<br>< 10                           | < 1<br>< 1 | 0.45   |
| JB26         | 94139402             |                    | 2       | 0.6          | 0.34         | 6          | < 10<br>< 10 | 950<br>540  | < 0.5          |            | < 0.01           | < 0.5          | < 1        | 138        | 9         | 0.65         | < 10                                   | < 1        | 0.19   |
| JB27         | 94139402             |                    | 3       | < 0.2        | 0.16<br>0.18 | < 2<br>2   | < 10         | 730         | < 0.5          |            | < 0.01           | < 0.5          | ` i        | 139        | 53        | 0.98         | < 10                                   | < 1        | 0.14   |
| JB28         | 94139402             |                    | 10      | 1.6          | 0.18         | 6          | < 10         | 510         | < 0.5          |            | < 0.01           | < 0.5          | ī          | 168        | 24        | 3.20         | < 10                                   | < 1        | 0.09   |
| JB29         | 94139402             | 1.40               | •       | 1.4          | V.13         | •          |              |             |                | , -        |                  |                | _          |            |           |              |                                        |            |        |
|              | 1 1                  | 1                  |         |              |              |            |              |             |                |            |                  |                |            |            |           |              | _                                      |            |        |

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