### GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORTS

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## TOTEM 2 CLAIM REVERSE CIRCULATION DRILLING ASSESSMENT REPORT

ATLIN MINING DIVISION NTS 104K/1W

Latitude:58°14'00"N Longitude:132°19'30"W

Owned and Operated by:

## NORTH AMERICAN METALS CORP

1500-700 West Pender Street Vancouver, B.C.

Christine McPhee, B.Sc.

NORTH AMERICAN METALS CORP. OCTOBER 1996

FILMED

Field Work Completed June 10 to July 20, 1996

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GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT

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#### SUMMARY

The Totem 2 claim lies within the Tatsamenie gold camp in northwestern British Columbia, 140km west of the town of Dease Lake. During the 1996 field season two reverse circulation drill holes, totalling 300m (984.25 ft), were drilled in the southeast corner of the Totem 2 claim. The holes were drilled to test gold soil geochemical anomalies and a coincident HLEM conductor.

Results showed several possible narrow fault structures in the Permian carbonates. Both holes T96RC339 and T96RC342 intersected discontinuous intervals of low grade gold, not necessarily coincident with interpreted structural zones. The chips returned from RC drilling ( averaging < 0.5cm diameter) make it difficult to identify fractured and brecciated zones unless the breccia clasts are very small.

As a result of the anomalous gold values returned near surface in RC342 some trenching was done but a surface expression of this result was not located. It is recommended that a short diamond drill hole be drilled next to this RC hole to confirm this anomaly and provide better geological data for this intersection.

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## INTRODUCTION

The Totem 2 claim is located within the Tatsamenie Gold Camp in northwestern British Columbia. It lies roughly five kilometres north and west of the Bear Main Deposit, which was mined from both open pit and underground workings between startup in 1989 and June 1994, producing 7,475,719 grams of gold from 535,277 tonnes of ore. The project is 100% owned and operated by North American Metals Corp. (NAMC), an 81.4% owned subsidiary of Wheaton River Minerals.

This report presents the results of an exploration program carried out on the Totem 2 Claim between June 10 and July 20 1996. Completed work consists of two reverse circulation drill holes totalling 300m (984.25 ft).

## LOCATION, PHYSIOGRAPHY and ACCESS

The Totem 2 claim area is located on the Golden Bear Mine property in the Atlin Mining Division at Latitude 58°14'00"N and Longitude 132°19'30"W. The project area occurs on the Tulsequah (104K) and Bearskin Lake (104K/1W) NTS map sheets. The town of Dease Lake lies 140 kilometres to the east, and Juneau, Alaska, lies 100 kilometres to the west (see Figure 1).

The Golden Bear Mine property is located within moderately rugged terrain on the east side of the Chechidla Range of the Coast Mountains. Elevations on the property range from 600 to 2300 metres with tree line occurring at roughly 1100 metres. Above tree line slopes are primarily talus with little or no vegetation other than grass, moss or lichen. Lower slopes are forested with dense spruce, pine and alder. Glaciers and permanent snow are not abundant, however snow melts slowly on northerly and westerly facing slopes, where surface exploration can only be effectively conducted between July and mid-September. Totem 2 lies at an average elevation of 1900m and the northwest corner of the claim is covered by the Sam glacier.

Access to the Golden Bear Mine property is gained by public road 80 kilometres west from Dease Lake to Telegraph Creek and then by an all weather private access road extending 153 kilometres northwest from Telegraph Creek. The mine site camp also maintains a 1500 metre all weather airstrip suitable for small fixed wing aircraft. For safety reasons use of both the mine access road and the airstrip is restricted. From the camp access to the Totem 2 claim area is achieved by a combination of 11 kilometres of two-wheel drive gravel road and three kilometres of four-wheel drive road that extend to the north and west from the minesite camp and mill area.

## LAND TENURE

This report covers work done on the Totem 2 claim (Tenure #201930), which totals 419.0 hectares (see Figures 2 and 3). This claim was converted to Mining Lease 344927 on August 26, 1996, after the above mentioned work was completed. The lease has a primary term of 30 years and is subject to an annual rental fee.









#### **EXPLORATION HISTORY**

The ground covered by the Totem 2 claim was staked in 1982 by Chevron Canada Minerals Ltd. during the original staking over the Bear Main deposit. In the early eighties Chevron carried out extensive surface geological mapping in the Golden Bear area. The northwest corner of the Totem 2 claim was covered by this early work but no sampling was done and no other work was done on the claim until 1994. In 1994 North American Metals ran a soil geochemistry grid over the claim area and in 1995 this grid was extended and an HLEM geophysical survey was carried out in the area. Both gold and pathfinder element (most notably As, Sb, Hg) anomalies were found as a result of the soil sampling, in addition several HLEM conductors were located.

#### **REGIONAL GEOLOGY**

Regional stratigraphy and structure for the area was first described by Souther (1971) and more recently by Oliver (Oliver and Hodgson, 1989, 1990: Oliver, 1993, 1995) and Bradford and Brown (1993a, 1993b). Property geology and economic mineralization for selected mineral occurrences have been reported by Schroeter (1985, 1986, 1987). The work of these authors was summarized by Pigage (1994) and the following description of the regional geology is largely drawn from his report.

The Totem 2 claim occurs within the Intermontaine Belt immediately east of the Coast Belt (Souther, 1971) where the lowermost stratigraphic sequence exposed consists of the Stikine Assemblage. The lowest exposed unit in the Stikine Assemblage is an unfossiliferous, presumed Carboniferous, massive to thin bedded, recrystallized limestone. This limestone is conformably overlain by a sequence of foliated chlorotic metavolcanic rocks dominated by andesitic ash to lapilli tuff, feldspar and augite phyric tuffs and flows, massive andesitic flows with rare pillow basalts. Minor grey limestone interbeds of up to 25 metres thick occur throughout the sequence. Argillites and conglomerate also occur as interbeds. The age of the Stikine Assemblage is poorly constrained: recent zircon dates by Oliver and Gabites (1993) of felsic volcanics within the Assemblage indicate ages as old as Pennsylvanian (316 MA).

A thick, fossiliferous, Permian limestone unit forms a distinctive marker within the Stikine Assemblage. The unit ranges from massive to thin bedded, includes calcitic and dolomitic members, and has been estimated to have a thickness in excess of 200 metres (McBean and Reddy, 1993). Poorly preserved fusilinids and rugosan corals confirm an Early Permian date for the unit (Souther, 1971; Bradford and Brown, 1993b). Detailed mapping by several geologists has further refined the internal stratigraphy of the Permian limestone unit (Oliver and Hodgson, 1989, 1990; McBean and Reddy, 1993; Jaworski and Reddy, 1993; Pigage, 1994).

Unconformably overlying the Stikine Assemblage is a thick package of volcanic and sedimentary rocks comprising the Upper Triassic Stuhini Group. This group consists mainly of red-brown weathering, plagioclase and augite bearing volcaniclastic rocks with lesser pillow basalts and epiclastic rocks. A continuous section near the Bandit claims (see Figure 2) has a thickness of near

2000 metres. The Stuhini Group rocks are typically much less deformed than those of the Stikine Assemblage with a pervasive chloritic foliation typically only locally developed adjacent to major shear zones.

The Stuhini Group is unconformably overlain by subhorizontal, columnar jointed basalts of the Miocene Level Mountain Group (Souther, 1971).

Most of the intrusive rocks in the immediate Bearskin Lake area consist of compositionally heterogeneous, variably foliated, hornblende diorite to quartz monzodiorite. These rocks, dated to the Late Triassic intrude both Stikine Assemblage and Stuhini Group rocks. The voluminous Eocene plutons comprising the Coast Belt occur west of Totem 2.

Structural interpretation of the Golden Bear area is difficult because of the lack of stratigraphic control in the Stikine Assemblage rocks. The extensive foliation in the Stikine assemblage is consistent with at least one and perhaps two pre-Late Triassic phases of folding followed by an erosional interval before deposition of the Stuhini Group. D1 folds are tight to isoclinal and trend dominantly north-south. D2 folds trend either northeast or northwest. Unequivocal D2 folds were not observed in Stuhini group rocks by Bradford and Brown (1993). Folding interpreted as occurring during D3 and D4 deformation events are considered to be latest Triassic to middle Jurassic and Middle Jurassic events, respectively.

#### **PROPERTY GEOLOGY**

The internal stratigraphy and structure on the Golden Bear property has been mapped by Pigage (1994) and by Cooley (1996). Property geology with a description of all the rock units as they are currently understood is shown on Figure 3. Descriptions of units pertinent to the Totem 2 claim are given below.

The claim is cut by the Limestone Creek Fault in the southwest corner. This fault separates the Permian Limestone package, which was mapped in detail by Pigage (1994) and Cooley (1996) to the east from a volcanic and sedimentary package on the west. The Permian stratigraphy outlined below is from Cooley (1996).

- LMGT (2)- Limestone +/- Dolomite, Graphitic and Thinly Bedded graphitic, mm-dm bedded dark grey to black. Contains interbeds of tan weathering calcareous quartz siltstone and local cherty beds.
- LMST (2)- Limestone massive to medium bedded, calcitic limestone distinctive creamy white to pale grey with local bioclastic debris , locally contains dm-thick tan weathering siliceous and or cherty and/or dolomitic beds.
- LMCH- Limestone with Chert light grey, calcitic limestone with light to dark grey chert

lenses, nodules and beds.

- DOCH- Dolomite with Chert thick bedded to massive, tan weathering dolomite with light to dark grey chert lenses, nodules and beds. Commonly fossiliferous.
- LMBC- Limestone Banded and Crinoidal dark to medium grey, locally containing crinoidal bioclastic debris, banding is not from bedding but is D3 foliation.
- LMST (1)- Limestone massive to medium bedded, calcitic limestone. Distinctive creamy white to pale grey. Uppermost section immediately below LMBC is bioclastic, is locally pyritic or weathers to a distinctive orange colour.
- LMGT (1)- Limestone Graphitic and Thinly Bedded mm-dm bedded dark grey, calcitic limestone. Contains interbeds of tan weathering, calcareous quartz siltstone.

On the west side of the fault is an interbedded volcanic, epiclastic and clastic package containing the following units (not in stratigraphic order) (Cooley, 1996).

- QTZT- Quartzite black to dark grey finely bedded quartzite. Often has thin argillaceous interbeds. Locally buff weathering.
- PHYL- Phyllite fine grained, dark, clastic sedimentary rock with secondary fine grained mica development forming a platy phyllitic texture and lustrous sheen. Typically intercalated with volcanic rocks which have been largely converted to greenstone and chlorite-amphibole schist. Primary bedding and textural features are preserved.
- MFCA- Carbonate Altered Mafic Volcanics basaltic flow, pyroclastic or epiclastic rock bleached medium brown to light grey or cream. Coloured by carbonatization. May contain pyrite.
- MFEP- Epiclastic Ash Tuff extremely fine grain finely laminated light greyish brown tuff. Considered to be reworked tuffs. Commonly contain discontinuous cm-dm qtz+feldspar lenses.
- MFAS- Mafic Ash Tuff basaltic pyroclastic rock comprised of at least 50% vitric and lithic clasts less than 2mm across. Variants include crystal tuff where at least some of the clastic components include crystal fragments. Rock may be well bedded to poorly bedded and is typically dark green.
- MFLP- Mafic Lapilli Tuff basaltic pyroclastic rock comprised of vitric and lithic clasts 2mm to 64mm across which occupy greater than 50% of the rock by volume. Rock may be massive or poorly bedded and is typically dark green.

Within the Permian package there is evidence of two major deformation events. Along the northern edge of the claim northwest trending folds with 50 to 250 m wavelengths were mapped by Cooley (1996). The folding mapped by Pigage (1994) in the southeastern corner of the claim is likely a related folding event due to its similar orientation. In the northwestern corner of the claim is a different deformation event consisting of tightly spaced north trending overturned folds (Cooley, 1996). Which event is earlier is uncertain.

#### **1996 WORK PROGRAM**

In the 1996 field season two reverse circulation drill holes, totalling 300m, were drilled in the southeast corner of the Totem 2 claim. The purpose of these holes was to test geochemical anomalies with a coincident HLEM conductor.

The collar location and orientation of each drill hole was surveyed using mine grid coordinates. Depth down the drill hole is measured from the top of the casing.

The RC chips were logged for lithology at the exploration trailer at the minesite camp using custom field logging forms. Some information such as structural and geotechnical data cannot be gathered from the rock chips (avg < 0.5 cm diameter) collected by reverse circulation drilling. Each meter was sampled using a Jones splitter with the reject for any samples grading over 0.5 g/t being stored at the airstrip situated immediately west of the minesite camp. Assaying was done at the minesite assay lab for gold (see Appendix III for analytical procedures). One blank and one gram standard were inserted in every 20 samples to monitor for contamination in the lab.

Appendix IV contains the logging codes and conventions utilized for logging core on the Golden Bear property. The drill hole logs and their assay sheets are also located in Appendix IV.

Work done on the Totem 2 claim is being applied to both the KWest claim (tenure # 338827) and the Tangent 4 claim (tenure # 312604).

#### RESULTS

Two reverse circulation drill holes were drilled on the Totem 2 claim totalling 300m. Collar locations are shown on Figure 4 and down hole geology and assay results (greater than 0.2 g/t) are summarized on Figures 5 and 6. Hole number T96RC339 was drilled to test a coincident gold geochemical anomaly and HLEM conductor and T96RC342 was drilled on gold geochemistry alone. Some evidence of brecciation could be seen in the RC chips and these possible fault structures have been outlined on the sections. These structures are assumed to be vertical to subvertical conforming to fault orientations observed elsewhere on the Golden Bear Property. Both holes intersected anomalous gold values as summarized below. No system of mineralization was identified.



 Table 1: Diamond Drill Summary

Drill Hole #	From (m)	To (m)	Interval (m)	Grade g/t
T96RC339	56	57	1	1.06
T96RC342	1	8	7	1.28
	13	14	1	0.79
	31	33	2	1.27
	61	62	1	1.99
	85	86	1	2.64

#### **CONCLUSIONS AND RECCOMENDATIONS**

The Totem 2 claim lies within the Tatsamenie gold camp in northwestern British Columbia, 140km west of the town of Dease Lake. During the 1996 field season two reverse circulation drill holes, totalling 300m (984.25 ft), were drilled in the southeast corner of the Totem 2 claim. The holes were drilled to test gold soil geochemical anomalies and a coincident HLEM conductor.

Results showed several possible narrow fault structures in the Permian carbonates. Both holes T96RC339 and T96RC342 intersected discontinuous intervals of low grade gold, not necessarily coincident with interpreted structural zones. The chips returned from RC drilling (averaging < 0.5cm diameter) make it difficult to identify fractured and brecciated zones unless the breccia clasts are very small.

As a result of the anomalous gold values returned near surface in RC342 some trenching was done but a surface expression of this result was not located. It is recommended that a short diamond drill hole be drilled next to this RC hole to confirm this anomaly and provide better geological data for this intersection.

#### SELECTED REFERENCES

- Bradford, J.A. and Brown, D.A., 1993a. Geology, mineral occurrences and geochemistry of the Bearskin and Tatsamenie Lakes area, northwestern B.C., NTS 104k/1 and 8. British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch, Open File 1993-1.
- Bradford, J.A. and Brown, D.A., 1993b. Geology of the Bearskin Lake and southern Tatsamenie Lake map areas, northwestern British Columbia (104k/1 and 8). In Grant, B. And Newell, J.M. (Editors)British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork 1992, Paper 1993-1, 159-176.
- Cooley, Michael A., 1996. Geological analysis of the Golden Bear Mine property with emphasis on structural control of gold mineralization. North American Metals internal memorandum.
- Jaworski, K.M. and Reddy, D.G., 1993. Golden Bear Project, North American Metals Corp. 1992 Totem Area Exploration Report. North American Metals Corp. internal copmany report, 38 pages.
- McBean, D.A. and Reddy, D.G., 1993. Golden Bear Project, North American Metals Corp. 1992 Fleece Bowl Exploration Report. North American Metals Corp. internal company report, 42 pages.
- Oliver, J.L., 1993. Geology of the Bearskin (Muddy) Lake, Tatsamenie Lake District, northwestern B.C. British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch, Open File 1993-11.
- Oliver, J.L., 1995. Geology of the Muddy Lake, Tatsamenie Lake District, northwestern B.C. British Columbia Ministry of Energy, Mines ansd Petroleum Resources, Geological Survey Branch, Open File 1995-21.
- Oliver, J.L. and Gabites, J., 1993. Geochronology of rocks and chronology of polyphase rock deformation, Bearskin (Muddy) and Tatsamenie Lake district, northwestern British Columbia (104K/1 and 8). In Grant, B. And Newell, J.M. (Editors), British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork 1992, Paper 1993-1, 177-184.
- Oliver, J.L. and Hodgson, C.J., 1989. Geology and mineralization, Bearskin (Muddy) and Tatsamenie Lake District (south half), northwestern British Columbia (104K). In British Columbia Ministry of Energy, Mines and Petroleum Resources, Paper 1989-1, 443-453.

- Oliver, J.L. and Hodgson, C.J., 1990. Geology and mineralization, Tatsamenie Lake District, northwestern British Columbia. In British Columbia Ministry of Energy, Mines and Petroleum Resources, Paper 1990-1, 163-173.
- Pigage, L.C., 1994. Geochemistry, Geology, Geophysics, Trenching and Diamond Drilling on the Kodiak North Project. British Columbia Assessment Report
- Schroeter, T.G., 1985. Muddy Lake Prospect (104K/1W). In Geological Fieldwork, 1984, British Columbia Ministry of Energy, Mines and Petroleum Resources, Paper 1985-1, 352-358.
- Schroeter, T.G., 1986. Muddy Lake Prospect (104K/1). In Geological Fieldwork, 1985, British Columbia Ministry of Energy Mines and Petroleum Resources, Paper 1986-1, 175-184.
- Schroeter, T.G., 1987. Golden Bear Project (104K/1). In Geological Fieldwork, 1986, British Columbia Ministry of Energy, Mines and Petroleum Resources, Paper 1987-1, 103-109.
- Smith, J.M., McBean, D.A., Dixon, K.P., Reddy, D.G. and McDonald, B.W.R., 1991. Golden Bear Project North American Metals Corp. Chevron Metals Corp. Joint Venture 1991 Exploration Report. North American Metals Corp. internal company report, 133 pages.
- Souther, J.G., 1971. Geology and mineral deposits of the Tulsequah map area. Geological Survey of Canada, Memoir 362, 76 pages.
- Wober, H.H. and Shannon, K.R., 1985. Bear-Totem Status Report. Chevron Minerals Canada Resources Limited, internal company report, 127 page.

## **APPENDIX I**

## **Statement of Qualifications**

I, Christine E. M<sup>c</sup>Phee, do hereby certify that:

- 1. I am a graduate of the University of British Columbia at Vancouver, B.C., with a Bachelor of Science Degree, Major Geological Sciences.
- 2. I have practised my profession as a Geologist in British Columbia since 1995.
- 3. I am presently employed as a geologist with North American Metals Corp. of #1500-700 West Pender Street, Vancouver, B.C.
- 4. The work described in this report is based on fieldwork conducted from June 10 to July 20 1996, in which I participated.
- 5. I have no direct or indirect financial interest in any company known by me to have an interest in the mineral properties described in this report, nor do I expect to receive any such interest.
- 6. I am the author of this report.

Dated at Vancouver, B.C., this 25 day of <u>Cetober</u>, 1996.

Respectfully submitted,

w

Christine E. M°Phee

I, Dunham L. Craig, with a residence of #504 - 2020 Belleview Ave, West Vancouver, B.C. do hereby certify that:

- i. I am a registered Professional Geologist with the Association of Professional Engineers and Geoscientists of British Columbia.
- ii. I have continuously practised my profession as a Geologist since 1988.
- iii. I am a graduate of the University of British Columbia at Vancouver, B.C. with a B.Sc. In Geology.
- iv. I am presently employed as Vice President, Exploration with North American Metals Corp., #1500-700 West Pender, Vancouver, B.C.
- v. The work described in this report is based on fieldwork conducted from June 10 to July 20, 1996 which I supervised.
- vi. I have a direct financial interest in Wheaton River Minerals Ltd, an 87% owner of North American Metals Corp.

Dated at Vancouver, B.C. this 25th day of October, 1996.

Dunhan L. Craig, P. Geo. Vice President, Exploration North American Metals Corp.

## **APPENDIX II**

## **Statement of Costs**

**Statement of Expenditures** Totem 2 Claim June 10 - July 20, 1996

Staff:		
Christine McPhee - Geologist - 4 days @ \$283/day	\$	1132
Cameron Tashoots - Assistant - 2 days @\$230/day	\$	460
Pelly Constuction: Snow Removal - D9 - 6 hours @ \$165/hour	\$	870
Pelly Constuction; Road Construction - D9 - 6 hours @ \$165/hour	\$	990
Midnite Sun; Reverse Circulation Drilling - 300 meters @ \$159.06/meter \$ 47,718		
Camp - 20 man days @ 42/ day	\$	840
Mine site laboratory analysis - 300 samples @ \$7.00/ sample	<u>\$</u>	2100
Total expenditures	\$ 5	54,110

## **APPENDIX III**

Golden Bear Mine Lab Fire Assay Procedures

### GOLDEN BEAR MINE ASSAY LAB - ANALYTICAL PROCEDURES

All rock samples assayed at the minesite assay lab were assayed for gold using standard fire assay techniques:

- samples are dried, crushed, and ring milled to 85% -200 mesh,
- one assay ton is fused at 1980°C and the resulting lead button is cupelled at 1760°C,
- dore bead is then parted in 20% HNO<sub>3</sub>,
- parted bead is washed, dried, annealed, and weighed,
- final weight is recorded, multiplied by 34.286, and reported as grams/tonne.

## **APPENDIX IV**

NAMC Logging Codes and Conventions Reverse Circulation Drill Logs Assay Sheets LOGGING CODES for PC-XPLOR DRILL HOLE DATABASE

## TABLE 1 Drill Hole Name and Location

#### Hole-ID

Surface drill holes in the Golden Bear area are numbered sequentially from the first hole drilled on the property in 1983. The hole-id consists of an 8 character code. The first letter refers to the claim name (all Kodiak A holes start with the letter T because they were drilled on the former Totem claim). The next two numbers indicate the year the hole was drilled. The next two characters are DH for surface hole or UG for underground hole. The final three characters refer to the sequential hole number. Underground and surface holes have separate sequential numbering systems.

#### Collar Location

Collar locations of the drill holes are measured from the top of the casing. Coordinates are most generally referenced using the Mine Grid coordinate system.

#### Length of Drill Hole

The total depth of the hole is recorded in metres to 2 decimal places.

#### Project Area

The general project area is defined using this alphanumeric variable. This variable is useful for defining subsets of drill holes based on mineralized horizons or areas intersected. All Kodiak A drill holes were assigned the variable name KODIAK.

#### TABLE 2 Downhole Deviation Data

#### Depth

Depth of the downhole deviation measurement. Collar surveyed orientations have a depth of 0.00.

#### <u>Azimuth</u>

Azimuth of the downhole deviation or collar measurement reported in decimal degrees in a clockwise direction from North. North corresponds to 0.0 degrees and angles up to 360 degrees are allowed.

## Dip

Dip of the downhole deviation or collar measurement reported in decimal degrees. A vertical upright drill hole has a dip of +90.0 degrees, and a vertical downward hole has a dip of -90.0 degrees.

#### Test Type

A brief description of the test type is recorded with this variable. Acid dip tests are recorded as ACID. Sperry-Sun single shot tests are recorded as SPERRY. Surveyed orientations (collar) are reported as SURVEY.

## **TABLE 3** General Drill Hole Information

#### **Drill Hole Type**

Core diamond drill holes are assigned the type DH. Reverse circulation drill holes are assigned the type RC.

#### Size of Core

The size of core is recorded as HQ, NQ, or BQ. If reduction had to occur during drilling, all the different sizes are indicated sequentially, i.e. HQNQ.

#### Start Date

This variable records the day the drill hole was collared. It is recorded using the format DD/MM/YYYY. Collaring of a hole during the morning hours of a night shift is still recorded as being for the previous day.

#### Stop Date

The date the hole was shut down is indicated in format DD/MM/YYYY. As with the start date, early morning night shift shutdowns are recorded as being for the previous day.

#### Logged By

This variable contains the initials of the geologist logging the drill hole. Up to three characters may be used.

# •

## Edited By

This variable records the initials of the person who edited the drill log.

## Surveyed By

The initials of the surveyor for the collar coordinates are entered here.

### **Contractor**

This variable records the drilling contractor for the drill hole.

### <u>Ria Type</u>

The type of rig used to drill the hole is indicated here.

### <u>Units</u>

By default the drill holes are logged in metres. Feet may be used in special situations.

## TABLE 4 Lithology Information

#### <u>From</u>

The start of a lithologic interval is recorded to two decimal places. The top of the hole is assigned the From of 0.00. The FROM variable for the next unit must correspond to the TO variable for the present unit. Current practice does not allow for nested intervals; the lithological units are reported sequentially starting from the top of the drill hole.

## Το

The end of a lithologic interval is recorded to two decimal places. Please note the above discussion concerning nested lithologic intervals.

## <u>Flag</u>

Key flags are utilized to mark geologic intervals of specific structural importance. Generally these are reserved for key fault zones which may be mineralized.

CUB	Cub Fault
BF	Bear Fault
FWF	Footwall Fault
ISH	Internal Sliver Hangingwall Fault
ISF	Internal Sliver Footwall Fault
ISL	Internal Sliver Fault
FOF	Foster's Fault
WWF	West Wall Fault
BLF	Black Fault
FLF	Fleece Fault
FWT	Footwall Fault
CNF	Central Fault
BLS	Base of Landslide

## Rock Code

Rock types encountered in the different Golden Bear drilling programs have been assigned a 4 letter code as defined below:

- **CASE** Casing used at the top of a hole where the casing was drilled into bedrock or firm ground.
- CAVE Material which has been recovered with an interval of core but which has fallen into the recovered position from higher up the hole. If labelled as cave by the drill crew, this code and interval is generally skipped as it is not included within their footage tags.
- **OVER** Overburden Core recovery through unconsolidated soil or gravel over bedrock.
- **TRIC** Triconed Interval where the hole was advanced using a tricone bit. No recovery for this interval.
- LOST An interval through which no recovery of core has occurred. This code should be used sparingly; it is not intended for zones of poor recovery.

- **VNQZ** Quartz vein of substantial size (i.e. greater than 10 cm).
- **VNCA** Calcite vein of substantial size.
- **BSDY** Basaltic Dyke Fine grained, dark green to black, equigranular "basalt" dyke. Locally may be vesicular or amygdaloidal. Correlates with Miocene Level Mountain Basalt.
- **ANDY** Andesite Dyke Fine grained, dark green-grey, intermediate intrusive dyke. Contains up to 20% feldspar phenocrysts up to 2 mm across enclosed in an aphanitic groundmass.
- **RHDY** Rhyolite dyke.
- **DIDY** Diorite Dyke Dark green, medium grained intrusive containing euhedral pyroxene and feldspar crystals up to 4mm across.
- **GRDI** Granodiorite Coarse to medium grained granodiorite with hornblende as the chief mafic constituent. Biotite is usually present. Plagioclase forms light grey, white, or greenish subhedral crystals. Plagioclase is commonly surrounded by anhedral grains of flesh coloured K-feldspar. Clear, colourless or smoky quartz occurs as interstitial grains and subhedral crystals lining miarolitic cavities.
- GRDF Foliated Granodiorite Fine to medium grained diorite to quartz monzonite. Chlorite-altered hornblende is the most abundant mafic constituent. Feldspars are opaque, chalky white or tinted pink. Characteristically shows a strong mineral alignment, both planar and linear.
- **GOUG** Highly sheared, "punky", extremely soft clay material from an unidentifiable protolith. Assumed to be a sheared variant of the wallrock lithology.
- **PYTF** Pyritic shear developed in mafic volcanic rocks. Rock is highly sheared, dark grey to black. It is silicified and competent to clayrich and soft. It contains abundant fine to medium grained sulphides, mainly pyrite. Invariably anomalous in gold and silver.
- PGTF Same original lithology as PYTF but entirely broken down to soft clay fault gouge by post mineral fault motion. No

original texture preserved. The gouge is dark grey, locally limonitic. Invariably anomalous in gold and silver; grade is variable.

- **GBRO** Gabbro Medium green, massive, porphyritic gabbro containing 1 to 4 mm crystals of plagioclase and pyroxene.
- MFTF Mafic Volcanic Rock Underground use only. Undifferentiated basaltic pyroclastic and flow rocks. Generally massive to poorly bedded. Lithologies include MFAS, MFEP, MFLP. All are dark grey to dark green in colour.
- MFAS Mafic Ash Tuff Basaltic pyroclastic rock comprised of at least 50% vitric and lithic clasts less than 2 mm across. Variants include crystal tuff where at least some of the clastic components include crystal fragments. Rock may be well bedded to poorly bedded and is typically dark green.
- MFEP Mafic Epiclastic Volcanic Rock Dark grey to green clastic sedimentary rock formed through erosion and reworking of mafic volcanic rocks. Typically well bedded with normal grading of moderately sorted clasts.
- MFLP Mafic Lapilli Tuff Basaltic pyroclastic rock comprised of vitric and lithic clasts 2mm to 64mm across which occupy greater than 50% of the rock by volume. Rock may be massive or poorly bedded and is typically dark green.
- MFFL Mafic Volcanic Flow Basaltic volcanic flow rock. Typically dark green with plagioclase and pyroxene phenocrysts 2mm to 4mm across. Commonly massive in appearance but may display pillow structures in outcrop.
- MFCA Mafic Volcanic Rock, Carbonate Altered Basaltic pyroclastic, flow, or epiclastic rocks bleached medium brown to light grey or cream. Coloured by carbonatization including development of silica, ankerite, dolomite, calcite, sericite, "mariposite", and clay enrichment. May contain up to 10% pyrite developed as patches, veinlets and envelopes. Most commonly anomalous in gold and silver; rarely ore grade.

- **ARGI** Argillite Fine grained, dark grey to black, massive to finely bedded, pelitic rock which is commonly graphitic. Where tectonized it may develop distinct graphitic slip planes.
- CHSB Chert, Silicified and Brecciated Matrix supported, brecciated chert with angular chert and minor dolomite or silicified dolomite clasts in a light to medium grey matrix of secondary silica. Clasts are rotated. There is commonly a heterogeneous component including minor volcanic fragments. Trace sulphides may be present. May contain anomalous gold and silver grades.
- **CHXB** Chert, Silicified, Brecciated, and Sulphidized Matrix supported, brecciated chert with angular primary quartz and minor dolomite or silicified dolomite clasts in a dark grey matrix of secondary silica and fine grained sulphides. Clasts are rotated. There is commonly a heterogeneous component including up to 30% tuff and pyritic tuff fragments. Commonly ore grade.
- CHRT Chert Massive to finely laminated, white to dark grey cryptocrystalline, primary quartz. May be interbedded with up to 20% limey particulate beds. May be crackled or form jigsaw breccias with a silica or ankeritic matrix. May contain minor veinlets or replaced limy layers of silica with trace pyrite. May contain anomalous gold and silver.
- **DOSB** Dolomite, Silicified and Brecciated Matrix supported, brecciated dolomite with angular primary chert and dolomite or silicified dolomite clasts in a matrix of secondary silica. Commonly light grey but may locally be dark grey. clasts are rotated. There may be a heterogeneous component, including minor tuff fragments. Trace sulphides may be present. May contain anomalous gold and silver grades.
- **DOXB** Dolomite, Silicified, Brecciated, and Sulphidized Matrix supported, brecciated dolomite with angular clasts of primary chert, dolomite, or silicified dolomite in a dark grey matrix of secondary silica and fine grained sulphides. Clasts are rotated. There is commonly a heterogeneous component including up to 30% tuff and pyritic tuff fragments. Commonly has anomalous gold and silver grades.

- **DOCH** Dolomite with Chert Interbeds Thick bedded to massive, tan to light brown, fine to medium grained dolomite with primary fossiliferous chert as narrow discontinuous lenses, layers, or beds. Primary chert forms greater than 20% of the unit. Chert occurs as white to medium grey to dark grey, massive to finely laminated layers or lenses (nodules) in the dolomite. No sulphides are present in this lithology unless silicified. Where tectonized, this rock is extensively fragmental with abundant, angular to rounded, large fragments of chert up to 8cm across and smaller fragments of dolomite up to 3cm across.
- DOLO Dolomite Massive to thick bedded, tan to light brown, fine to medium grained dolomite. Contains up to 20% discontinuous primary chert layers. Where tectonized this rock appears extensively fragmental with angular to rounded dolomite and chert fragments up to 5cm across.
- LMBC Limestone, Banded and Crinoidal Buff to tan or grey coloured, thin bedded limestone locally containing crinoidal bioclastic debris. May contain cherty layers.
- LMST Limestone Massive or thick to medium bedded, calcitic limestone. White to pale grey in colour with local bioclastic debris or argillaceous components.
- **KRST** Karst Breccia Zone: used either for karst-related textures or for lost zones caused by karst holes within the rocks being drilled. Breccias consist of limestone and chert clasts in a fine grained, orange brown, limonitic sand to silt matrix. Matrix may contain some sedimentary textures. The karst breccias typically contain late, anastamosing, translucent grey, calcite veinlets which crosscut all other features.
- PHYL Phyllite Fine grained, dark, clastic sedimentary rock with secondary fine grained mica development forming a platy phyllitic texture and lustrous sheen. Typically intercalated with volcanic rocks which have been largely converted to greenstone and chlorite-amphibole schist. Primary bedding and textural features are preserved.
- LMSL Silicified Limestone Rock is severely silicified, but may retain some features described under LMST or LMBC (*i.e.*

bedding, laminae, bioclastic debris). Rock cannot be scratched with a steel blade. Rock does not effervesce in 10% HCl.

- SLST Siltstone Generally greyish to orange-brown in colour. Contains greater than 50% silt size material and less than 50% carbonate minerals. Massived to bedded and/or laminated. Locally interbedded with LMBC, LMST, and/or LMSL. Pyrite may be present as disseminated cubes or aggregates. Locally fossiliferous.
- **HLBX** Heterolithic Breccia Breccia containing more than one lithology type among the clasts.
- LMBX Limestone Breccia Breccia containing limestone and silicified limestone as the dominant clast lithology. It is suggested that this code be discontinued; instead use the appropriate limestone code with BX as the first texture.
- LMCH Limestone with Chert Texturally identical to DOCH. Fine to medium grained, off white to light grey, calcitic limestone with primary chert lenses or layers. Chert bands are typically pale grey.
- LMGT Limestone, Graphitic and Thin Bedded Thinly bedded, medium dark to dark grey, calcitic limestone. Bedding occurs on a scale of 5cm to 30cm. The unit appears to be nonfossiliferous. Surface weathering results in a strong ribbed appearance with dark grey limestone weathering recessively and calcareous quartz siltstone weathering in relief. Incipient black chert lenses are developed preferentially in the siltstone interbeds.

### <u>Colour</u>

Two alphanumeric characters are used to describe the colour of the rock type. If two colours are listed together, the dominant colour is the second entry. RU, for example, is reddish brown. Colours such as pink can be described as 7R = light red.

Lightn	<u>ess Scale</u>	<u>Colou</u>	<u>r Scale</u>
9	palest	А	grey
8	pale	В	blue
7	light	G	green
6	light-ish	L	lime (YG)
5	medium (50% light)	Μ	mauve
4	dark-ish	Ν	black
3	dark	0	orange
2	very dark	Р	purple
1	darke <b>s</b> t	Q	aqua (BP)
		R	red
		Т	tan (khaki)
		U	brown (umber)
		V	violet (BP)
		W	white
		Y	yellow

#### <u>Texture</u>

Four different textures may be described by these two letter codes. The dominant texture should be listed first and the most poorly developed texture should be listed last.

AM	amygdaloidal	MS	massive
BD	bedded	PH	phyllitic
BN	banded	PL	plutonic
BW	boxworked	PP	porphyritic
BX	brecciated	RB	rebrecciated
CR	crackled	SC	schistose
FO	foliated	SH	sheared
GO	gouged	SK	stockworked
GN	gn <b>eissic</b>	VG	vuggy
GR	grad <b>ed</b>	VN	veined
LM	laminated	VS	vesicular

#### Structural Intensity

This two character code indicates the degree of fracturing, brecciation, or gouge present in the geologic interval. The first character indicates the type of structural disturbance using the definitions below:

- 0 no brecciation, no shearing, no gouge. Minor fracturing.(no structural intensity modifier is required, ie. No second character)
- 1 fracturing, only minor gouge and brecciation
- 2 brecciation and gouge

The second character indicates the degree of intensity of the structural disturbance using the following definitions:

- 2 very weak
- 4 fairly weak
- 6 fairly strong
- 8 very strong
- 9 completely

## Alteration Facies/Intensity

This two character code indicates the alteration facies and the alteration intensity of the geologic interval. The codes are defined below:

quartz

may be

dolomitized

## Carbonate Package

- 0 very weak to unaltered limestone
- 12 weakly dolomitized
- 14 moderately dolomitized less than 15%
- 16 strongly dolomitized
- 18 very strongly dolomitized
- 19 totally dolomitized
- 22 weakly silicified
- 24 moderately silicified
- 26 strongly silicified
- 28 very strongly silicified
- 29 totally silicified

Greenstone Package

- very weak to unaltered greenstone 0
- 12 less than 1% weakly veined, bleached 14 moderately veined, bleached pyrite and/or
- fine sulphides
- 16 strongly veined, bleached
- very strongly veined, bleached 18
- 19 totally bleached
- 22 weakly bleached, pyritized
- 24 moderately bleached, pyritized greater than 1%
- 26 strongly pyritized, possibly bleached pyrite and/or
- 28 very strongly pyritized, fine sulphides possibly bleached
- 29 intensely pyritized, possibly bleached

#### Structural Identity

Distance: enter the depth at which the structure occurs.

A two letter code describes structural features observed in the geologic interval. Any number of structures may be defined.

- ΒD bedding QA quartz-Fe carbonate vein BN banding QC quartz-calcite vein CD calcite-dolomite vein QD quartz-dolomite vein CM chilled margin QV quartz vein CV calcite vein SH shear DV dolomite vein SS slickensides FC fault contact SV sulphide vein FR fracture UC upper contact FO foliation VN vein FZ fault/fracture zone \$\$ sheeting
  - FS flame structure
- LM lamination

lower contact

LC
#### Thickness of Structure

The thickness scale is used to indicate the thickness of the structural feature described immediately above.

9	extremely thick	greater than 20m
8	very thick	20m
7	thick	6m
6	medium thick	2m
5	medium	60cm
4	medium thin	20cm
3	thin	6cm
2	very thin	2cm
1	laminated	0.6cm
0	thinly laminated	0.2cm

#### Angle of Structure

The angle of the above structural feature relative to the core axis. Structures going straight down the core axis have an angle of 0.

#### **Mineral**

Certain alteration and/or ore minerals are noted during the core logging. The following abbreviations are used for the different minerals:

QZ	quartz	PY	pyrite
CA	calcite	СР	chalcopyrite
AK	ankerite	LI	limonite
CL	chlorite	HE	hematite
GY	gypsum	JA	jarosite
MU	muscovite-sericite	SC	scorodite
CY	clay	FS	fine sulphides
FU	"mariposite"		

DO dolomite

# Mineral - How

The following two letter code indicates how the alteration and ore minerals occur.

AM SP amygdules spots PR BL blebs pervasive PT BM breccia matrix patches (as in quilts) CC rosettes and crystal clusters CO coatings CL clasts SL selvages DS \$\$ sheeting disseminated EN ST staining (as in tarnish) envelopes FC EU euhedral crystals framework crystals veins, macroveins, microveins GO gouge VN RP replaced, phenocrysts BW boxwork EY DA dalmationite eyes, augen IN interstitial SK stockwork LM laminations - bedded MS massive ND nodules

#### Mineral - Amount

The two character numeric code indicates the amount of the alteration or ore mineral present. Enter the estimated % from 0 to 99.

#### TABLE 5 - Assay Information

#### From

The start of an assay interval is recorded to two decimal places. Assay intervals should not cross lithologic interval boundaries. The assay intervals are reported sequentially starting from the top of the drill hole. Intervals without assays are not entered into the PC-XPLOR database.

## Τo

The end of an assay interval is recorded to two decimal places.

G:\DATA\WP51\LOGCODEWPD

#### Sample Tag Number

The sample tag number for a particular assay interval is reported. This field is alphanumeric. In the Golden Bear drill hole database the sample tag numbers are not unique; therefore assay values cannot be merged into the the database.

#### <u>Recovery</u>

The length of core present within an assay interval is recorded to two decimal places in the recovery column. This variable is reported as metres. It is converted to a % within the database using data manipulation.

#### <u>Au a/t</u>

Gold assay values in grams/tonne are recorded to two decimal places.

#### <u>Aa a/t</u>

Silver assay values in grams/tonne are recorded to one decimal place. This value is not always present.

#### **TABLE 6** - Geotechnical Data

All geotechnical information is collected between footage tags present in the core box. Each intervals between footage tags represents a single drill run where the core tube is retrieved and core is placed in the core box.

#### <u>From</u>

The start of a geotechnical interval is recorded to two decimal places. Geotechnical intervals are between drill runs and will cross lithologic and assay interval boundaries. The geotechnical intervals are reported sequentially starting from the top of the drill hole.

			DRILL LOG COVER SH	EET		PAGE : OF	-
	e# 19	<u>(CRC 5</u>		EA: Totom Z		SECTION:	~
AILL H	OLELOCAT	ION DATA		DRILL DEARY			
STING	2.27	15.23	2 /	STARTING DATE:	06/07/	17.2	(DD/MM/YYY
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EXPLORATION ASSAY REPORT

18-Ju1-96

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					ASSAYER: D
	TAG NUMBER	Au (g/t)	Ag (g/t)	S= (%)	SAMPLE DESCRIPTION
	27084 ¦	0.03			RECIRC DRILL
;	27085	0.03	1		1
;	27086 ¦	0.03	1		1
;	27087 ;	0.07	1		1
!	27088	0.03	1		1
1	27089 ¦	0.10			! 1
;	27090 ;	0.03	1		
!	27091 ¦	0.07			
:	27092 ¦	0.10	1		! 1
:	27093	0.31		· · · · · · · ·	1
:	27094 \	0.03	1		1
;	27095 ¦	0.93	1		;
;	27096 ¦	0.21	1 1		1
;	27097	0.07	l t		
;	27098	0.07	1		! !
;	27099 ¦	0.07			1
;	27100 ¦	0.03	1		1
;	27556	0.03			
!	27557 ¦	0.07			
	27558 ¦	0.17			!
;	27559 ¦	0.07			!
{	27560 ¦	0.07			
;	27561 ¦	0.10			
;	27562 ¦	0.07			1
!	27563 ¦	0.03			1
1	27564 ¦	0.07			{
;	27565 ¦	0.07	1		{
1	28401 ;	0.03			1
i j	28402	0.10			:
1	28403	0.03			1
!	28404 ;	0.07			
:	28405 ;	0.10			!
!	28406	0.07			1
;	28407 ¦	0.03			;
;	28408 ¦	0.03			!
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EXPLORATION ASSAY REPORT

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18-Ju1-96

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							A	SSAYER
	TAG NUMBER	;	Au (g/t)		Ag (g/t)	S= (%)		SAMPLE DESCRIPTION
!	28410	;	0.03	:===		======	=====	RECIRC DRILL
;	28411	;	tr	;	1		:	
;	28412	;	0.03	;	, ,		;	
;	28413	;	0.03	;	;		;	1
1	28414	;	0.03	;	1		1	
:	28415	;	0.10	!	;		!	
;	28416	;	0.07	;	L 1		;	

EXPLORATION ASSAY REPORT

20.

19-Ju1-96

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				ASSAYER
TAG NUMBER	Au (g/t)	Ag (g/t)	S= (%)	SAMPLE DESCRIPTION
28417	0.10			RECIRC DRILL
28418	0.03			1 "
28419	0.45			;
28420	0.21			
28421	tr		BUST	Y.C. 1
28422	0.93		ji ji da	
28423	0.07		U	1
: 28424 ;	0.10	1 1		:
28425	0.07	 		1
: 28426 ;	0.07			:
28427	0.03			:
28428	0.03			:
: 28429 :	0.03			:
28430	0.07	;;		
28431	0.03	     		
28432	0.03	i 		!
28433	0.07	   		!
28434	0.03	1		
28435	0.07			
28436	0.07	 		
28437	0.21	t t 1 1		
28438	0.14			
28439	0.07			:
28440	0.03	BUFT	(K	!
28441	1.03	<u>1910</u>	m	!
28442	0.07	; <u>    (     ;</u>		1

# EXPLORATION ASSAY REPORT

2.

20-Ju1-96 ASSAYER: S= (%) SAMPLE TAG Au Ag (g/t) NUMBER (g/t)DESCRIPTION \_\_\_\_ 28443 ¦ 0.34 ! RECIRC DRILL 28444 ¦ 0.14 : 28445 0.10 ¦ 28446 ; 0.14 28447 ¦ 0.10 28448 0.10 : 28449 \ 0.07 ¦ 28450 ¦ 0.07 : 28451 \ 0.03 ¦ 28452 0.03 : 28453 \ 0.07 \ 28454 ¦ 0.03 : 28455 0.03 | 28456 0.07 : 28457 0.03 28458 ; 0.07 \ 28459 ¦ 0.03 1 28460 0.03  $\psi v_{\ell}$ 28461 \ 0.99 12 ł 28462 0.24 ! 28463 1.06 28464 ¦ 0.24 28465 ; 0.07 0.72 28466 28467 0.14 \ 28468 0.07 28469 ¦ 0.21 28470 0.41 : 28471 0.34 28472 0.41 ¦ 28473 ¦ 0.17 28474 0.27 : 28475 0.27 28476 0.07 28477 ; 0.07 ;

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						A	ASSAYER
	TAG NUMBER		Au (g/t)	1	Ag   S= (g/t)   (%)		SAMPLE DESCRIPTION
1.	28479	:	0.24	;	   	;	RECIRC DRILL
;	28480	;	TR	;	BLANK	;	
;	28481	;	0.96	;	TOMERM	;	
;	28482	!	0.07	;	():	:	~
1	28483	!	0.21	!	! !	!	
1	28484	;	0.27	ł	}	;	
;	28485	;	0.27	;	1	;	
;	28486	¦	0.17	!	ł	;	{
;	28487	;	0.14	;		;	
;	28488	;	0.17		1	;	
1	28489	:	0.51	1	1	!	!
;	28490	!	0.62	;	:	;	
!	28491	;	0.07	!		!	
;	28492	;	0.07	1		;	1
;	28493	ł	0.03	;	ł	1	1

EXPLORATION ASSAY REPORT

21-Ju1-96

					ASSAYER
	TAG NUMBER	Au (g/t)	Ag (g/t)	S= (%)	SAMPLE DESCRIPTION
1	28494	0.21	1		RECIRC DRILL
	28495	0.34			······
1	28496	0.14	1	:	
!	28497	0.10	1	:	
;	28498	0.10		i t	1
!	28499	0.07		;	
!	28500	0.10	1	}	{
;	28501	0.07	! !	!	{
ļ	28502	TR :	   	BLANK	
;	28503	0.89	   	102AFi	
1	28504	0.07	 	1	
1	28505	0.07		1	
:	28506	0.14	1	:	
i i	28507	0.24	1		
1	28508	0.10	1	1	
1	28509	0.07		!	
1	28510	0.07	 1	t 1	1
:	28511	0.07	1		1
-	28512	0.10	1		!
1	28513	0.07	1	1	
;	28514	0.10			!
1	28515	0.10	1		
;	28516	1.92		   	
	28517	0.07			;
1	28518	0.07	1	ł 1	
!	28519	0.07		1	
1	28520	0.03	1	BLAK	14
-	28521	0.89		<u>  692</u>	11
:	28522	0.07			
:	28523	0.07	1 1 		1
1	28524	0.03	¦		
;	28525	0.07			
;	28526	0.07			1
:	28527	0.07			
	28528	0.07			
!	28529	0.03			

# EXPLORATION ASSAY REPORT

21-Ju1-96

					ASSAYER:	21 <b>-</b> Ju1-96
	TAG NUMBER	Au (g/t)	Ag (g/t)	S= (%)	SAMPLE DESCRIPTION	N
	28530	0.07			RECIRC DRILI	, , , , , , , , , , , , , , , , , , ,
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;	28532	0.03		:		• • • • • • • • • • • • • • • • • • •
;	28533	0.03		;	,	×. 1
;	28534	: 0.07				
;	28535	0.03		;		;
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;	28537	0.03				· · · · · · · · · · · · · · · · · · ·
;	28538	0.10		 ! !		
;	28539	0.03		• • •		
;	28540	0.10				
;	28541	0.07		• • • • • • • • • • • • • • • • • • •		/
;	28542	0.00	B4	hAK		
;	28543	1.03	/64	5 <u>6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6</u>		
;	28544	0.07				
:	28545	0.07		:		
;	28546	0.03		   		
;	28547	0.07		! !	,	
:	28548	0.03		   		
;	28549	0.03 ;		1		· · · · · · · · · · · · · · · · · · ·
;	28550	0.03		1 1		
-	28551	0.07				
;	28552	0.03				, ,
;	28553	0.07		1		
;	28554	0.07				:
;	28555	0.07 1		   		
;	28556	0.03		1		
	28557	0.07			   	:
1	28558	0.24		1	:	1
;	28559	0.07		:		:
1	28562	0.07				::
;	28563	0.17				1
;	28564	0.14		1		
;	28565	0.07		( (		
;	28566	0.07		   		
	31007	0.07				

5 6 6

# EXPLORATION ASSAY REPORT

26-Ju1-96

_							ASSAYE	R:C. Craft	:			
	TAG NUMBER	Au (g/t)		Ag (g/t)	1	S= (%)		SAME DESCRI	PLE PTIO	N		
ł	33865	0.55	;		 1 1	0-1		RECIRC	DRIL	L		
ī	33866	0.14	;		:	1-2		ELG	13		;	
-	33867	0.10	:			2-3	!				!	
;	33868	0.17	;		1	2-4					!	
;	33869	0.14	!		: <	7-5	¦				:	
1	33870	0.10	;		: (	5-4	:				:	
;	33871	0.10	!		!	<u>Q-7</u>	!				;	
:	33872	0.07	!		1 2	7-8	!					
:	33873	0.10	!		1 4	8-9	:				;	
;	33874	0.03	1		1	9-10	¦					
1	33875	: 0.03	;		<u> </u>	<u>σ-//</u>	:				;	
;	33876	0.03	1		:/	1-12	!				:	
Ï		1	;		!		1	و دو وی اند نک کا دو هم وی مد			·	
1	30844	0.99	1		1	?	:	DUPLICATE	es of	20	463:	1.06
!	30845	0.41	1		¦ _	2	1		മ	28	f90	0.62
)		1	:		;		1		- b		;	
-	30870	0.03	1		;		i i		<i>Б</i>	28	516	1.92

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	Date. <u>4104-2)</u>	PAGE	_0+_0		
FROM TO	FLAG CODE COLO 1 2 3 4 INT INT MINERAL // HOW // AMOUNT DIST FT/TH/A	N FROM	то	SAMPLE#	RECOV AU G/T
0 3.	DVEP I I I I I I I I I I I I I I I I I I I	0	١	259401	003
<u> </u>	Parel polipio + mild	1	2	28402	0.10
		2	3	28403	0.03
3 3	MBU 514 BN U/00/5/HE/FR/2	3	4	25404	047
	meduin new-banded + verned limestone,	ų	5	28405	0.10
	Calute ventre, calite chups compose ~15%	5	Q	28406	0.01
	lemonute staining as wating; hematite	Q	7	28407	0.03
	staining alone fractures not silved	1	8	24404	0,03
		8	9	28469	11
		5-	p	28410	0.03
		10	11	28411	- tr
		<u> </u>	12	28412	0.03
		12	13	28413	0.03
13 117	MIST BAC HS	13	14	28414	0.03
	pale grey massive dimestore, calcule veining.	M	15	28415	6.10
	not stilfied	15	14	28416	057
		10	17	28417	010

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DDH 79 URC 339 NORTH AMERICAN METALS CORP Logged by. CLT LITHOLOGY LOGGING SHEET Date: Auly B PAGE 2 OF TEXT TEXT TEXT STRUC ALTN 2 3 4 INT INT MINERALIZATION MINERAL // HOW // AMOUNT ROCK CODE COLO TEXT STRUCTURE DIST FT/TH/AN FLAG SAMPLE# RECOV AUG/T FROM то FROM то **S%** LUST YA 19 22 LICO15 18 17 MS ריו 0.03 25419 gellos- prez, weakly silified unassic limestre limprite staining as coutries 19 28419 0.45 18 11 DOCH GA CE 210 24 BIGAK 19 20 0.21 28420 GM STANK light grey clackled Dart moderately silified 21 20 28423 0.07 0.93 chert is muy vansurent de not ettervest 21 28424 22 0.10 in ACP. collige verving. 28425 22 22 0.07 Internal 25-76 has the by anos 23 24 29426 0.07 24 25 28427 0.03 25 26 28428 0.03 29 Ne 22 22 UIBNIS DOCH VA BX OR 26 21 28429 0.03 wellows arrent brechated + analled boch elimonities 20 27 28430 0.07 28 19 28431 0.03 Stipid.

	NORTH AMERICAN METALS CORP Logged by								DDH / 9(0K( 334											
	Date: July 8											PAGE_3	_0F_9	- 7						
FROM	то	FLAG	ROCK	COLO	TEXT T	XT 1 2	EXT 3	TEXT 4	STRUC INT	ALTN INT	MINERALIZATION MINERAL // HOW // AMOUNT	DIST	TRUCTURE	FROM	то	SAMPLE#	RECOV	AU G/T	S%	
	35		DOX H	54	CRV	$N \perp$								29	30	28432		6.03		
		m	dun	1 22	a, v	201	le.	it c	0064	do	1) not			30	31	25433		007		
		.01	lent.	30	un A	CL.	cal	al	2 VCI	hed				31	32	28434		0.03		
		che	1 U	) ly	aht i	Au	1.+	tr	ains	luce	int.			32	33	29435		0.07		
		Sb	cal	ité	' ani	p								33	34	29436		0.07		
						1								34	3.5	28437		6.21		
54	49		14110	AT	BNU	N								35	36	28438		6.14		6.63
		tal	$n - \alpha_{f}$	res	baen	dec	1 O	in	lve	ene	al			30	37	2-8439		0.67		Blonk
		lei	nest	me	. ili	ina	114	e	stail	nina	an codtine			37	38	28442		3.07		Standiard
		Cal	are	chi	$\rho \sim$	109.	0, (	in	non	te ?	Funine			38	39	28443		0.34		
		hi	able	· INH	ense,	42-	43	li	Mon	ite.	Staining			39	4.0	29444		0.14		
		wea	ikly	8/11	hed						3			40	41	29445		0 10		
			7	Ţ	, <u> </u>	T								41	42	28416		014		
														42	43	29447		0.10		
								_						42	44	29448		0.10		
														44	45	2.8449		6.07		
														45	46	28450		0.07		
												1		46	47	25451		0.03		
														47	49	28452		003		
														48	49	28453		007		
															<u> </u>					
															<u> </u>					

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		NORTH AMERICAN METALS CORP Logged by: <u>UT</u> LITHOLOGY LOGGING SHEET Date: <u>July</u> 8			DDH PAGE_4	 	<u> </u>	<u>)</u> 			
FROM	то	FLAG CODE COLO 1 2 3 4 INT INT MINERAL // HOW // AMOUNT	DIST	TRUCTURE	FROM	то	SAMPLE#	RECOV	AU G/T	<b>S%</b>	
49	57.	LHST WA BOX MS LICOIS HE / FEIZ			<b>4</b> 9	SD	28454		0.03		
		born-arey (mussive lemestone. mainly			50	51	28455		0.03		
	•	by chipo to some somooterst aneo. limite			51	52	2 8456		0.07		
		Spining op propriasi hematile staining									
		alors fractures. 5% of chips callete.									
											-
Sr	69	LAST AW MS VN 22 LICOID/HE/FR/2			52	53	28457		0.03		
		mour cream massive climestore.			53	54	28458		0.07		2.23
		emonifestaining as roatings Internals 55-57			54	53	24459		0.03		Blank
		are Lematitic as wellas 58-59 internal con-62			55	56	28462		0.24		0.99
		minor homatile staining MINN Calcile			56	57	28463		1.06		
		veining variable mak Sill Strahan.			57	53	28444		0.24		
					58	59	28465		10,01		
					59	60	2844		0.72		
					60	61	29467		0.14		
					61	62	29469	•	0.07		
				<u>``</u>	62	63	28469		0.21		
					03	64	29470		0.41		
					64	05	28471		0.54		
					45	46	29472	7	0.41		
					60	47	2.8473		007		
					67	68	28474		021		
					68	49	28475		0.27		
					l ° ·	· /					

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					DDH	19U	RC 33	59	-		
		Date: July 3			раде <u>5</u>	_ OF _ 8	_				
FROM	то	ROCK TEXT TEXT TEXT TEXT STRUC ALTN MINERALIZATION	DIST	RUCTURE FT/TH/AN	FROM	то	SAMPLE#	RECOV	AU G/T	S%	]
69	75	LABC OT BN VN O 0 HEIFRIS/LICOIZ			69	70	25,476		0.67		İ
		tom-any banded + verned limestone, hemotile.			70	71	28477		aun		
		Staining along Arachines, limmule staining as			71	72	25478		0.10		τρ
		cratings, not sliped			72	73	28479		0.24		Bhak
		Jer of the second se			73	74	28482		0.07		IGMST
					74	75	29493		6.21		
15	27	41BC RO GO 8X 26 22 45/60/2/11/6015			75	76	28484		0.27		
·		mana-red hemaple + limputic limestore, mostly			76	77	29485	-	0,27		
		appice and some by procenority, pour is not									
		coloreaus. tracmans are culconessist sililied.									
11	86	LAST TA AS UN BX LIFP/2/AE/RELI			77	18	29496		6.17		
	<u> </u>	Licht apple (massive verned limestone.			73	79	28487		014		
		mining by Americanto, not silified.			79	80	28489		0.17		
		limmile staining disco suctures			80	81	29489		0.51		
		minor hematile along portunes also.			81	87.	28490		0.62		
					972	83	28471		0.07		
					83	84	29492		007		
					94	85	284193		6.03		
					85	E	27494		0.21		1
											1
											1
											1
							A				4

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	NORTH AMERICAN METALS CORP Logged by: <u>CLT</u> LITHOLOGY LOGGING SHEET Date: <u>July</u> 9			<u>7967</u> _0F <u>-</u> 8	<u> </u>	9		
FROM TO	ROCK         TEXT         TEXT         TEXT         TEXT         TEXT         MINERALIZATION           FLAG         CODE         COLO         1         2         3         4         INT         MINERAL // HOW // AMOUNT	DIST	FROM	то	SAMPLE#	RECOV AU G/T	S%	
86, 139	DOCH VA CR BX 22 22 LIFRIS		 86	87	25495	0.34		1
	yellow grey chackled DOCH chert is dark grey		 87	88	29496	0.14	L	
	I translucerit, limonite staining infuin		88	89	28497	0.10		
	practures not calcarears. unaple-weak silification.		 82	90	2=498	0,10		
	weak breception callute chipp ~ 10%. Willowse		.90	31	28499	0.0-		
	in calife content -110-113. Unimite		91	92	28500	0,10		-0
			92	93	28501	0.07		136. K TR
	staining more intense 118-119.		93	94	28504	0.07		0.99
	Inferral 125-126 thas 20% chips of dyle?->orange		94	95	29505	0.0	7	
	in colour à mariposite + supplides.		95.	96	28506	0.14		
	Interval 131-132 that hereitite que enos~5%.		96	97	28907	0.24		
			97	98	28508	0.10		
			93	99	29509	0.07		]
			99	100	28510	0.07		
			130	101	28511	0.0		]
			191	102	28512	010		
			102	103	28513	0.0		
			N3	104	28514	0.10		
			134	105	28514	0.10		
			13	100	28516	1.92		
			106	107	27517	0 07		
			107	108	18518	0.07		0.03
			801	109	28×19	0.07		16M ST.
`\			103	110	29522	0.01		0.89

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			NOR LITI	th an Holog	IERI( GY L(	CAN I OGGI	META NG S	ALS CO SHEET	DRP	Logged by. <u>CIT</u> Date: <u>July 9</u>			DDH PAGE_7	<u>9</u>	RC33	9			
FROM	то	FLAG CODE	COLO	TEXT 1	TEXT 2	TEXT 3	TEXT	INT	ALTN INT	MINERALIZATION MINERAL // HOW // AMOUNT	DIST	TRUCTURE FT/TH/AN	FROM	то	SAMPLE#	RECOV	AU G/T	S%	
		DOCI	f										110	111	28523		0.07		
		cont									_		111	112	25524		0.03		
													112	113	28525		007		
													113	114	28526		0.07		
													114	115	28527		0.07		
								·					115	116	28528		0.07		
													116	117	28529		003		
													117	118	28530		007		
													118	119	28531		0.03		
													119.	120	ar532		0.03		
													120	121	28533		0.03		
				. <u> </u>				·····		T			121	122	28534	1	0.07		
l													122	123	28535		0.03		
										·····			123	124	24536		0.07		
													124	125	28537		0.03		
													125	126	28538		0.10		
								<u> </u>					126	127	28539		0.03		
													127	128	28540		0.10		
													128	129	29541		0.07		Blank OK
													129	130	28544		0.07		IGM ST.
													130	151	29545		0.07		6.03
													131	132	28546		0.03		
													132	133	28547		0.07		
													133	/34	28548		0.03		

· · · · · · · · · ·

DDH\_79(0RC339 Logged by\_\_\_\_\_CUT LITHOLOGY LOGGING SHEET PAGE 8 OF 8 Date: All TEXT 2 TEXT TEXT STRUC ALTN 3 4 INT INT MINERALIZATION MINERAL // HOW // AMOUNT FLAG CODE STRUCTURE TEXI 1 FROM то COLO SAMPLE# RECOV AUG/T FROM то S% DIST | FT/TH/AN DXH 135 alin 1 134 28549 0.03 cany 1 135 136 28550 0 03 28551 130 137 0.07 137 138 28552 003 138 139 28553 007 145 109 24 22 U/BM/5 DOCH YA (R BX 140 28554 139 0.07 ullow- gren breaudited + challed DOCH. 140 141 28555 0.07 mini, calcareais matrix. Internal 143-144 142 28556 141 0.03 ras hematini gouse weakly eiligied reccia has angular clasts. 143 28557 142 007 144 28358 0.24 143 Bank 145 28559 0.07 144 145 Standar DOCH YA 150 UKARI2 HEIREII 28552 CR 145 144 0.07 yellow-grey crached Doct. limonik 28563 147 146 0.17 2.8564 staining along yrachings. Internal 146-147 148 0.14 147 in chert content as to quik dank 78565 149 EOH 148 Inclase 0.07 oney. Mina himatik staining along fractures. 150 28566 0.07 147 alite chips ~5%

NORTH AMERICAN METALS CORP

		NO	HTH AMERICA DRILL LOG CO	NMETALS CO VER SHEET	HP.			PACE : OF		
DRILL HOL	E# 79	<u>6RC 34</u>	2 P	ROJECT AREA: To	tem Z			SECTION:		
DAILL H	HELOCA	ION DATA	<u> </u>		DRILL DEAF	w			<u>**</u>	
EASTING:	2391	25.456	2		STARTING D		7/07/	194	-	(DD/MM/YYYY)
NORTHING	<u>, 25</u>	788.32	7		COMPLETIC	ON DATE:	071	<u>90</u> 00		(DD/MM/YYYY)
ELEVATIO	n: <u>197</u>	15.671	<u> </u>		LOGGED B	Y: <u>_CF1</u>		rig: <u>K('</u>	/	
HOLE LEN	ютн (м): <u>/</u>	'5D			CONTRACT	ron: MICH	VAU	CORE SIZE: _		
DOWN H	IOLE SURV	EY DATA			SURVEYED	<u>ву:_{{}}</u>	2000	EDITED BY:		
<b>ELHIVE</b>	PYLEVEL	ОСРТН	AZDAUTH		DIPt	<del>#4</del>	C	TENT INPL		
COLL	AR	Q	65,011	· · ·	-43	.037	20	JEVEY		
1										
3										
4										
	· · · · · · · · · · · · · · · · · · ·				<u> </u>		l			•
PURPOSE	:									
LITHOLC	igy summ	ARY								
FROM	of	ROCK CODE	HEMAR	K3	FROM	10	ROCK		REMARK	\$
1	2	OVER						·		
1	2	over Lnist						<u>.</u>		
1 2 13	2 13 19 27	OVER LMIST SLIST						· · · · ·		
1 2 13 15/ 82	2 13 18 32 139	OVER LMIST SLIST LMCH DOCH					· · · · · · · · · · · · · · · · · · ·			
  2  3  9%  3%	2 13 18 32 139 150	OVER LMIST SLST LMCH OOCH LMPZ					· · · · · · · · · · · · · · · · · · ·			
 2  3  9%  3%	2 13 18 32 139 150	OVER LINIST SLST LINCH OOCH LINIPZ								
1 2 13 19: 32 139	2 13 18 32 139 150	OVER LMST SLST LMCH DOCH IMPL								
1 2 13 19 32 139	2 13 18 32 139 150	OVER LMST SLST LMCH DOCH IMP2								
1 2 13 19/ 32 139	2 13 18 32 139 150	over Lm5T SLST ImcH DOCH IMPZ								
1 2 13 19: 32 139	2 13 18 32 139 150	over LmST SLST LMCH DOCH IMPL								
1 2 13 19/ 32 139	2 13 18 32 139 150	OVER LINIST SLST LIMCH OOCU LINIPZ								
1 2 13 19 32 139	2 13 18 32 139 150	over LmST SLST CmCH DOCH IMPE		· · · · · · · · · · · · · · · · · · ·						
1 2 13 19: 32 139	2 13 18 32 139 150 	over Lm5T SLST LmCH DOCH IMPL								
1 2 13 19/ 32 139	2 13 18 32 139 150	OVER LINIST SLST IMCH ODCI IMPZ								
1 2 13 19 32 139	2 13 18 32 139 150	OVER LMST SLST CMCH DOCH IMPL								
1 2 13 19/ 32 139	2 13 18 32 139 150	OVER LINIST SLST LIMCH OOCH LINIPZ								
1 2 13 37 139	2 13 18 32 139 150	over LmST SLST CmCH DOCH IMPC								

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EXPLORATION ASSAY REPORT

13-Ju1-96

						ASSAYER:
	TAG NUMBER	;	Au (g/t)	Ag (g/t)	S= (%)	SAMPLE DESCRIPTION
ļ	28228	1	29.21			HOLE 34 RECIRC DRILL
	28231	1	7.17	· · · ·	· · · · · · · · · · · · · · · · · · ·	
;	28232	1	3.94		3 99: 99: 3- 96 fis is is is	;
	28233	!	3.94	· · ·		
;	28234	1	2.64	1 1	in het die fast ein ont die im die ter oor   	
;	28235	;	2.61			
	28236	;	1.68	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
;	28237	:		······································		· · · · · · · · · · · · · · · · · · ·
	28238	1	1.47	;	-	1
1	28239	;	4.53	J 1	ی بان کی نور بین نیم مان کر اس بان این اور   	
;	28240	!	5.31	1		
;	28241	!	2.23			
;	28242	;	0.58		     	
;	28243	!	0.45	1 1 1		
;	28244	!	0.21	l 1		
-	28245	.	0.69	!		
ł	28246	:	0.48	     	     	! :
;	28247		0.24	1 1	 ;   	1
	,28248	1	0.45	1		+ HOLE 341 - EOH !
-	28249	!	2.19			
;	28250		0.72			
;	28251	;	0.82	1		
:	28252	;	2.85	1		· · · · · · · · · · · · · · · · · · ·
-	28253	!	0.48	1 1		1
Ī	28254	1	0.75	l t		1
-	28255	;	1.13			· · · · · · · · · · · · · · · · · · ·
1	28256	1	0.38	! !		· · · · · · · · · · · · · · · · · · ·
-	28257	   	0.45	   		1
-	28258	;	0.31		الله کار میہ شہر میں جو ایو اور اور اور ا	1 1
<u> </u>	28259	!	0.34	1		1
ł	28299	:	1.13	1		
	28300	;	0.96	 !		
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EXPLORATION ASSAY REPORT

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		Ľ	AFLORATION	ASSAI	REFORT		14-Ju1-96
					ASSA	YER	
	TAG NUMBER	Au (g/t)	Ag (g/t)	S= (%)		SAMPLE DESCRIPTION	N
ł	28260	0.34	* 1			RECIRC DRIL	
ï	28261	0.79	! 1		!	,	;
;	28262	0.07	!		!		:
;	28263	0.14			;		
;	28264 ¦	0.10	1 1		;		1
;	28265	0.07	1		;		1
;	28266 ;	0.10			:		:
;	28267	0.03	1				;
;	28268	0.07			!		
1	28269	0.93			!		
;	28270	0.38	   		:		
;	28271	0.34			:		1
;	28272	0.34			;		1 1
;	28273	0.24	;		}		1 1
;	28274	0.34	   		1		
1	28275	0.99			! !		
:	28276	0.24	   		!		   
;	28277	0.31	   		;		
;	28278	0.27	, , , ,		;		:
;	28279	0.31			1		   
1	28280	0.21			:		
;	28281	1.82	1		; ;		1
1	28282	0.72	1   		;		
;	28283	0.45					
1	28284	0.45 ;	1 1 1		;		 i i
1	28285	0.38	1		:		
;	28286 ¦	0.41			;		   
1	28287 ¦	0.38			:		
;	28288	0.34			;		 i i
1	28289	0.38			;		

EXPLORATION ASSAY REPORT

14-Ju1-96 ASSAYER: g | S= | /t) | (%) | TAG NUMBER Au (g/t) SAMPLE DESCRIPTION Ag (g/t) === ====== ==: == ł RECIRC DRILL 28290 ¦ 0.41 ¦ ł 28291 ¦ 0.27 ; 1 28292 0.38 ¦ ł 1 28293 ; 0.45 ¦ ł ł ł 28294 ¦ 0.41 ¦ 1 28295 1 0.58 ¦ ł ; 28296 0.48 ;

EXPLORATION ASSAY REPORT

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		_				15-Ju1-96
					ASSAYER:	
	TAG NUMBER	Au (g/t)	Ag (g/t)	S= (%)	SAMPI DESCRII	LE PTION
	28297	0.51	;		RECIRC	DRILL
	28298	0.45				:
-	30901	0.69				
	30902	0.14	4			
	30903	; 0.07 ¦				
	30904	0.07				
	30905	0.10	; ;			
	30906	0.07				
	30907	0.34				
	30908	0.10				
	30909	0.10				;
	30910	0.10	1			1
	30911	0.10				
	30912	0.14	:		! !	:
	30913	1.99				
	30914	0.21	;			:
1	30915	0.10	:		; ; !	
1	30916	0.17				
	30917	0.03	:			
1	30918	0.10			     	• • • • • • • • • • • • • • • • • • •
1	30919	0.10	:			
1	30920	0.10			s 1	, , ,
	30921	0.03			 	· · · · · · · · · · · · · · · · · · ·
	30922	0.10	:		, ,	
	30923	0.07	:			
	30924	0.07	 ,			
;	30925	0.14	;			· · · · · · · · · · · · · · · · · · ·
ļ	30926	0.10	;			
-	30927	0.10	:			;
	30928	0.17	;			
3	30929	0.14	:			· · · · · · · · · · · · · · · · · · ·
	30930	0.17	:		} 1	······································
1	30931	0.62				
-	30932	0.45	:			
	30933	0.31			1	
	30934	0.21				

EXPLORATION ASSAY REPORT

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15-Ju1-96

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				ASSAYER:	12-701-20
TAG NUMBER	Au (g/t)	Ag (g/t)	S= (%)	SAMPL DESCRIP	E TION
30935 ¦	0.24 ¦		, 1 1	RECIRC D	RILL
30936 ;	0.24 ¦		 1 1	1 1	
30937 ;	· 2.64 ¦				;
; 30938 ;	0.34 ¦			1 1	
: 30939 ;	0.38 ¦				1
; 30940 ;	0.17 ¦			1	
30941 ;	0.96 ¦		1 1	}	
30942	0.21 ¦		1 1	;	1
30943	0.27 ¦		1	}	
30944	0.21 ¦		1	;	1
¦ 30945 ¦	0.48 ;		1	;	!
; 30946 ;	0.27 ¦		• •		
30947 ;	0.27 ;		1	1	
30948 :	0.14 ;		   		
: 30949 ;	0.14 ;		: :		
: 30950 ;	0.03 ¦		! ! 		
30951 ;	0.07 ¦			1	
30952 :	0.14 ¦		   	1	
30953 ;	0.21 :				
30954 ;	0.31 ¦				
: 30955 ;	0.17 ;		!		
: 30956 ;	0.41 ¦		! !		
30957 ;	0.10 ;		!		
30958 ;	0.10 ;		! !		
30959	0.03 ¦		! !	!	1
30960	0.10 ¦		!		
30961 ;	0.07 ¦				
30962 ;	0.03 ;		! 	!	:
30963	0.14 ¦		! !	!	!
30964	0.10 ¦		! !	1	1
30965	0.03		: 		:
30966	0.14 :			!	
30967 ;	0.03 ¦			1	:

EXPLORATION ASSAY REPORT

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16-Ju1-96

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|   |               |             |                          |           | ASSAYER          | 16-JUI-96                             |
|---|---------------|-------------|--------------------------|-----------|------------------|---------------------------------------|
|   | TAG<br>NUMBER | Au<br>(g/t) | Ag<br>(g/t)              | S=<br>(%) | SAMPL<br>DESCRIP | E<br>TION                             |
| Ì | 30968 ¦       | 0.10        | ===============<br> <br> |           | RECIRC D         | RILL                                  |
| ; | 30969         | 0.03        | s<br>1                   |           |                  | · · · · · · · · · · · · · · · · · · · |
| - | 30970         | 0.07        | 1                        |           |                  | 1                                     |
| 1 | 30971         | 0.07        | 1<br>1                   |           |                  | :                                     |
| ; | 30972         | 0.07        | 1                        |           |                  |                                       |
| 1 | 30973         | 0.10 ;      | 1                        |           | 1                |                                       |
| 1 | 30974         | 0.14        | 1                        |           |                  |                                       |
| ; | 30975         | 0.10        | ,<br>,<br>,              |           |                  | 1                                     |
| ; | 30976         | 0.14        | :                        |           |                  |                                       |
| ; | 30977         | 0.07        | :                        |           | 1                | i<br>1                                |
| 1 | 30978         | 0.07        | <br> <br>                |           | 1                | 1                                     |
| ; | 30979         | 0.07        |                          |           |                  | 1                                     |
| ; | 30980         | 0.03        | <br>!<br>!               |           |                  | :                                     |
| : | 30981         | 0.96        | 1                        |           |                  | !                                     |
| ; | 30982         | 0.03        | 1                        |           | 1                | ;                                     |
| : | 30983         | 0.10        | 1<br>1                   |           | 1                | ;                                     |
| ī | 30984         | 0.07        | 1                        |           |                  | :                                     |
| ; | 30985         | 0.07        | 1                        |           |                  | !                                     |
| ; | 30986         | 0.03        | ;                        |           | !                | 1                                     |
| ; | 30987         | 0.07        | 1                        |           | 1                | ;                                     |
| ł | 30988         | 0.21        | !                        |           | 1                | ;                                     |
| ţ | 30989         | 0.07        |                          |           | 1                | ;                                     |
| ; | 30990         | 0.03        | :;                       |           | 1                |                                       |
| ļ | 30991         | 0.07        | !                        |           | 1                |                                       |
| ; | 30992         | 0.07        | ł ;                      |           | 1                | :                                     |
| ; | 30993         | 0.03        | !                        |           | 1                |                                       |
| ; | 30994         | 0.03        | ;                        |           |                  | 1                                     |
| - | 30995         | 0.07        | ;                        |           |                  |                                       |
| 1 | 30996         | 0.07        | 1                        |           | !                | :                                     |
| ; | 30997         | 0.10        | :                        |           | 1                |                                       |
| ; | 30998         | 0.07        | :                        |           | 1                |                                       |
| - | 30999         | 0.07        |                          |           |                  | !                                     |
| _ |               |             |                          |           |                  |                                       |

METALS CORP

GOLDEN BEAR MINE EXPLORATION ASSAY REPORT

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|               |                                                                     |                                                                               | ΕΣ                                                                                                                                                                                    | (PLORATI                                                                                                                               | 10                                                                                                                                                                                                                                    | N ASSAY                                                                                                                                                                                                                           | RE                                                                                                                                                                                                                                                                                                                                    | PORT                                                                                                                                                                                                                                                                                                                                  | 16-Ju1-96                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                                                                     |                                                                               |                                                                                                                                                                                       |                                                                                                                                        |                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                       | ASSAYER:                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| TAG<br>NUMBER | 1                                                                   | Au<br>(g/t)                                                                   | !                                                                                                                                                                                     | Ag<br>(g/t)                                                                                                                            |                                                                                                                                                                                                                                       | S=<br>(%)                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                       | SAMPLE<br>DESCRIPTI                                                                                                                                                                                                                                                                                                                   | ION                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 31000         | ;                                                                   | 0.10                                                                          | !                                                                                                                                                                                     |                                                                                                                                        | 1                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                   | ;                                                                                                                                                                                                                                                                                                                                     | RECIRC DR                                                                                                                                                                                                                                                                                                                             | [LL                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 31001         | ;                                                                   | 0.07                                                                          | ;                                                                                                                                                                                     |                                                                                                                                        | ;                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                   | ;                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                           | ;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 31002         | ;                                                                   | 0.03                                                                          | ;                                                                                                                                                                                     |                                                                                                                                        | 1                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                   | :                                                                                                                                                                                                                                                                                                                                     | ,                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                           | :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 31003         | ;                                                                   | 0.03                                                                          | ;                                                                                                                                                                                     |                                                                                                                                        | 1                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                   | !                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                           | :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 31004         | ;                                                                   | 0.10                                                                          | ;                                                                                                                                                                                     |                                                                                                                                        | 1                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                           | ;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 31005         | ;                                                                   | 0.14                                                                          |                                                                                                                                                                                       |                                                                                                                                        | 1                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                   | :                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                           | ;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | TAG<br>NUMBER<br>31000<br>31001<br>31002<br>31003<br>31004<br>31005 | TAG<br>NUMBER<br>31000  <br>31001  <br>31002  <br>31003  <br>31004  <br>31005 | TAG<br>NUMBER       Au<br>(g/t)         31000       0.10         31001       0.07         31002       0.03         31003       0.03         31004       0.10         31005       0.14 | TAG   Au<br>NUMBER   (g/t)  <br>31000   0.10  <br>31001   0.07  <br>31002   0.03  <br>31003   0.03  <br>31004   0.10  <br>31005   0.14 | TAG       Au       Ag         NUMBER       (g/t)       (g/t)         31000       0.10       (g/t)         31001       0.07       1         31002       0.03       1         31003       0.03       1         31004       0.10       1 | TAG       Au       Ag         NUMBER       (g/t)       (g/t)         31000       0.10       1         31001       0.07       1         31002       0.03       1         31003       0.03       1         31004       0.10       1 | TAG       Au       Ag       S=         NUMBER       (g/t)       (g/t)       (%)         31000       0.10       .       .         31001       0.07       .       .         31002       0.03       .       .         31003       0.03       .       .         31004       0.10       .       .         31005       0.14       .       . | TAG       Au       Ag       S=         NUMBER       (g/t)       (g/t)       (%)         31000       0.10       1       1         31001       0.07       1       1         31002       0.03       1       1         31003       0.03       1       1         31004       0.10       1       1         31005       0.14       1       1 | TAG       Au       Ag       S=       SAMPLE         NUMBER       (g/t)       (g/t)       (%)       DESCRIPT         31000       0.10       1       1       RECIRC DR         31001       0.07       1       1       1         31002       0.03       1       1       1         31003       0.03       1       1       1         31004       0.10       1       1       1         31005       0.14       1       1       1 | EXPLORATION ASSAY REPORT       16-Ju1-96         ASSAYER:       Assayer:         TAG       Au       Ag       S=       SAMPLE         NUMBER       (g/t)       (g/t)       (%)       DESCRIPTION         31000       0.10       I       I       RECIRC DRILL         31001       0.07       I       I       I         31002       0.03       I       I       I         31003       0.03       I       I       I         31004       0.10       I       I       I         31005       0.14       I       I       I |

EXPLORATION ASSAY REPORT

16-Ju1-96 CHECK ASSAYS ASSAYER: ORIGINAL (g/t) CHECK (g/t) SAMPLE DETAILS TAG NUMBER ¢° 29902 ¦ 2.40 1. ł 29903 ¦ 0.45 | 1 ł ł 26974 1 20.91 ł 340

|               |                |                | NORTI            | H AMERICAN MET<br>DEN BEAR MINE | ALS C       | ORP               |           |
|---------------|----------------|----------------|------------------|---------------------------------|-------------|-------------------|-----------|
| CHECK AS:     | SAY            | S              | EXPLO            | DRATION ASSAY                   | REPOR<br>AS | T<br>SAYER        | 17-Ju1-96 |
| TAG<br>NUMBER | <br> <br> <br> | CHECK<br>(g/t) | 1<br>1<br>1<br>1 | ORIGINA<br>(g/t)                |             | SAMPLE<br>DETAILS |           |
| 27212         | ====<br>;<br>  | 2.47           |                  |                                 | 1           |                   |           |

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|        |               |        |             | ΕX | PLORATI  | ONN    | ASSAY | REPORT      | $\bigcirc$          | 19-Aug-96 |
|--------|---------------|--------|-------------|----|----------|--------|-------|-------------|---------------------|-----------|
|        | RECIRC DI     | RIL    | .L          |    | <u>.</u> |        |       | ASSAY       | (EBC: )             |           |
|        | TAG<br>NUMBER |        | Au<br>(g/t) | 1  | HOLE     |        | M     | 1<br>1<br>1 | SAMPLE<br>DESCRIPTI | ON        |
| !      |               | ;      |             | 1  | 342      | 1      | 0-1   | 1           |                     |           |
| ;      |               | !      |             | ;  |          | !      | 1-2   | 1           |                     | 1         |
| !      | 34506         | ;      | 0.62        | 1  |          | l<br>t | 2-3   | :           |                     | - 1       |
| 1      | 34507         | l<br>t | 0.48        | 4  |          | !<br>1 | 3-4   | 1           |                     | <u>}</u>  |
| l<br>t | 34508         | !      | 1.95        | \$ |          | !      | 4-5   | 5<br>1      |                     |           |
| ;      | 34509         | ;      | 1.65        | }; |          | ;      | 5-6   | 1           |                     | {         |
| ;      | 34510         | 1      | 0.45        | 1  |          | ;      | 6-7   | t<br>t      |                     |           |
| 1      | 34511         | ;      | 0.38        | ;  |          | 1      | 7-8   | !<br>1      |                     |           |
|        |               |        |             |    |          |        |       |             |                     |           |

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|         | NORTH AMERICAN METALS CORP<br>LITHOLOGY LOGGING SHEET<br>Date: <u>July 10</u>                                                                                                                                              | Logged by:<br>Date: PAGE |          |      |    |         | ddh_ <u>796RC342</u><br>pageof <u>9_</u> |    |              |  |  |  |  |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|------|----|---------|------------------------------------------|----|--------------|--|--|--|--|
| FROM TO | ROCK         TEXT         TEXT         TEXT         TEXT         TEXT         MINERALIZATION           FLAG         CODE         COLO         1         2         3         4         INT         MINERAL // HOW // AMOUNT | DIST                     | FT/TH/AN | FROM | то | SAMPLE# | RECOV AU G/T                             | S% |              |  |  |  |  |
| 1 2     | DVBD                                                                                                                                                                                                                       |                          |          | 3    | 2  | 28249   | 2.19                                     |    | $\mathbf{i}$ |  |  |  |  |
|         |                                                                                                                                                                                                                            |                          |          |      |    |         |                                          |    |              |  |  |  |  |
|         |                                                                                                                                                                                                                            |                          |          |      |    |         |                                          |    |              |  |  |  |  |
|         |                                                                                                                                                                                                                            |                          |          |      |    |         |                                          |    |              |  |  |  |  |
|         |                                                                                                                                                                                                                            |                          |          |      |    |         |                                          |    | No I         |  |  |  |  |
|         |                                                                                                                                                                                                                            |                          |          |      |    |         |                                          |    | 1/36/22      |  |  |  |  |
| 2 10    | (M-57 WA MS 00                                                                                                                                                                                                             |                          |          | 2    | 3  | 28250   | 0.72                                     |    |              |  |  |  |  |
|         | white massive limestone scialchable & reartice of                                                                                                                                                                          |                          |          | 3    | 4  | 28251   | 0.82                                     |    |              |  |  |  |  |
|         | HCl. ~ 0.5% chips have bematite or limonite                                                                                                                                                                                |                          |          | 4    | 5  | 28252   | 2.85                                     |    |              |  |  |  |  |
|         | staining                                                                                                                                                                                                                   |                          |          | 5    | 6  | 28253   | 0.48                                     |    |              |  |  |  |  |
|         |                                                                                                                                                                                                                            |                          |          | 6    | 7  | 28254   | 0.75                                     |    |              |  |  |  |  |
|         |                                                                                                                                                                                                                            |                          |          | 2    | 8  | 28:255  | 1.13                                     | /  |              |  |  |  |  |
|         |                                                                                                                                                                                                                            | •                        |          | 8    | 9  | 28256   | 0.38                                     |    |              |  |  |  |  |
|         |                                                                                                                                                                                                                            |                          |          | 5    | 10 | 28257   | 0.48                                     |    |              |  |  |  |  |
|         |                                                                                                                                                                                                                            |                          |          |      |    |         |                                          |    |              |  |  |  |  |
|         |                                                                                                                                                                                                                            |                          | ŕ        |      |    |         |                                          |    |              |  |  |  |  |
| ``      |                                                                                                                                                                                                                            |                          |          |      |    |         |                                          |    |              |  |  |  |  |
|         |                                                                                                                                                                                                                            |                          |          |      |    |         |                                          |    |              |  |  |  |  |
| 10 13   | LMST 8A MS LM Q C3 PY/EU/LI%                                                                                                                                                                                               |                          |          | 16   | 11 | 28258   | 0.31                                     |    |              |  |  |  |  |
|         | maprice + Locally (~ 30%) Lamino Ted pale grey                                                                                                                                                                             |                          |          | 11   | 12 | 28259   | 0.34                                     |    |              |  |  |  |  |
|         | linestone, <1% pinte which second to develope.                                                                                                                                                                             |                          |          | 12   | 13 | 28260   | 0.34                                     |    |              |  |  |  |  |
|         | alone some tancinations                                                                                                                                                                                                    |                          |          |      |    |         |                                          |    |              |  |  |  |  |
|         | 0                                                                                                                                                                                                                          |                          |          |      |    |         |                                          |    |              |  |  |  |  |
|         |                                                                                                                                                                                                                            |                          |          |      |    |         |                                          |    |              |  |  |  |  |

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|      |       | •                                                        |     |          |         |       |              |          |          |       |
|------|-------|----------------------------------------------------------|-----|----------|---------|-------|--------------|----------|----------|-------|
|      |       |                                                          |     |          |         |       |              |          |          |       |
|      |       |                                                          |     |          |         | _     |              | ~        |          |       |
|      |       | NORTH AMERICAN METALS CORP Logged by                     |     |          | DDH     | 79    | 680340       | <u> </u> |          |       |
|      |       | LITHOLOGY LOGGING SHEET Date: July 10/96                 |     |          | page    | _of_1 | _            |          |          |       |
|      |       |                                                          | s   | TRUCTURE |         |       |              |          |          | ]     |
| FROM | 1.61- | FLAG CODE COLO 1 2 3 4 INT INT MINERAL // HOW // AMOUNT  |     | FT/TH/AN | I FROM  |       | SAMPLE# RECO | 0.79     | <u> </u> |       |
|      |       |                                                          | 1   |          | 12      | 15    | 28012        | 0.07     |          |       |
|      |       | SIST Dame region was the pome chips explain incomination |     |          | 1       | 11-   | 29262        | 0.14     |          |       |
|      |       | Altel)                                                   |     | +        | 15      | 12    | 29061        | 0.10     |          |       |
|      |       |                                                          |     |          | 17      | 11    | 24215        | 0.07     |          |       |
|      |       |                                                          | 1   |          | † · · · |       |              |          |          |       |
| 12   | 32    | IMCH 7A MS FR 0 22                                       |     |          | 1       |       |              |          |          |       |
|      |       | mid agent line strong dias in it conferenter to v. conto | 1   |          | 18      | 19    | 24242        | 0.10     |          |       |
|      |       | ton theat thing, theat this start a low                  |     |          | PT      | 20    | 28267        | 0.03     |          | Blar  |
|      |       | Inacting i are u hard.                                   |     |          | 20      | 21    | 28270        | 0.38     |          | - rdw |
|      |       |                                                          |     |          | 21      | 22    | 28271        | 0.34     |          |       |
|      |       |                                                          |     |          | 22      | 23    | 28272        | 0.34     |          |       |
|      |       |                                                          |     |          | 23      | 24    | 28273        | 0.24     |          |       |
|      |       |                                                          |     |          | 24      | 25    | 26274        | 0.34     |          |       |
|      |       |                                                          |     |          | 25      | 26    | 28275        | 0.99     |          |       |
|      |       |                                                          |     |          | 26      | 27    | 28276        | 0.24     |          |       |
| S.   |       |                                                          |     |          | 27      | 28    | 28277        | 0.31     |          |       |
|      |       |                                                          |     |          | 28      | 29    | 28278        | 0.27     |          |       |
|      |       |                                                          | · · |          | 29      | 30    | 28279        | 0.31     |          |       |
|      |       |                                                          |     | · ·      | 30      | 31    | 2.82.80      | 0.21     |          |       |
|      |       |                                                          |     |          | 31      | 32    | 28281        | 1.82     |          |       |
|      |       |                                                          |     |          |         |       |              |          |          |       |
|      |       |                                                          |     |          | ļ       |       | ļ            |          |          |       |
|      |       |                                                          |     |          |         |       | · ·          |          |          |       |

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|                                       | NORTH AMERICAN METALS CORP<br>LITHOLOGY LOGGING SHEET<br>Date: July 10/76                                                                                                                                                  | DDH_ <u>T96RC342</u><br>PAGE_ <u>3_of</u> 9_ |                      |      |      |         |       |        |    |  |  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|------|------|---------|-------|--------|----|--|--|
| FROM TO                               | ROCK         TEXT         TEXT         TEXT         TEXT         TEXT         MINERALIZATION           FLAG         CODE         COLO         1         2         3         4         INT         MINERAL // HOW // AMOUNT | S'<br>DIST                                   | TRUCTURE<br>FT/TH/AN | FROM | то   | SAMPLE# | RECOV | AU G/T | S% |  |  |
| 32 51                                 | Doch 4A VN MS 016                                                                                                                                                                                                          |                                              |                      | 32   | 33   | 28282   |       | 072    |    |  |  |
|                                       | medidente grey deternite chips ; pala grey                                                                                                                                                                                 |                                              |                      | 33   | 34   | 28283   |       | 0.45   |    |  |  |
|                                       | chut this, negets w, acid only along hactures                                                                                                                                                                              |                                              |                      | 34   | 35   | 2-8284  |       | 0.45   |    |  |  |
|                                       | dolanit chips fizz well when porvdued                                                                                                                                                                                      |                                              |                      | 35   | 36   | 29295   |       | 0.38   |    |  |  |
|                                       | 30-37 LMCH(?) more calcitic, reactive w, HCI Inst                                                                                                                                                                          |                                              |                      | 36   | 37   | 2.9296  |       | 0.41   |    |  |  |
|                                       | lashs the same as next of unit                                                                                                                                                                                             |                                              |                      | 37   | 38   | 28287   |       | 0.38   |    |  |  |
|                                       |                                                                                                                                                                                                                            |                                              |                      | 38   | 39   | 28288   |       | 0.34   |    |  |  |
|                                       | from 35 dawn, <1% newatibe belingibe adared                                                                                                                                                                                | ·····                                        |                      | 39   | 40   | 28289.  |       | 0.38   |    |  |  |
|                                       | chi a of calcies or brocieto calcito ( vein material?)                                                                                                                                                                     |                                              |                      | 40   | 41   | 29290   |       | 0.41   |    |  |  |
|                                       | from ~ 47m down chips are not totaily deterninged.                                                                                                                                                                         |                                              |                      | 41   | 42   | 28291   |       | 0.27   |    |  |  |
|                                       |                                                                                                                                                                                                                            |                                              |                      | 42.  | 43   | 28292   |       | 0.38   |    |  |  |
|                                       |                                                                                                                                                                                                                            |                                              |                      | 43   | 44   | 28293   |       | 0.45   |    |  |  |
|                                       |                                                                                                                                                                                                                            |                                              |                      | 44   | 45   | 28294   |       | 0.41   |    |  |  |
|                                       |                                                                                                                                                                                                                            |                                              |                      | -45  | 46.  | 2825    |       | 0.58   |    |  |  |
|                                       |                                                                                                                                                                                                                            |                                              |                      | 46   | 47   | 28296   | _     | 0.48   |    |  |  |
|                                       | ·                                                                                                                                                                                                                          |                                              |                      | 47   | 48   | 28298   |       | 0.45   | •  |  |  |
|                                       |                                                                                                                                                                                                                            |                                              |                      | 49   | 50   | 30%01   |       | 0.69   |    |  |  |
|                                       |                                                                                                                                                                                                                            |                                              |                      | 52   | 51   | 30902   |       | 0.14   |    |  |  |
| 51 53                                 | FZ DOCH VA BX 28 16                                                                                                                                                                                                        |                                              |                      | 5/   | 52   | 30703   |       | 0.07   |    |  |  |
|                                       | limonite stained Brecciated Datt, clasts 1-2 mm.                                                                                                                                                                           |                                              |                      | 52   | 53   | 30904   |       | 0.07   |    |  |  |
| · · · · · · · · · · · · · · · · · · · | from 52-53 mostly V. fine paroler was recovered,                                                                                                                                                                           | 1                                            |                      | -    | 1100 |         |       |        |    |  |  |
| 1.                                    | only ~ 5% chios in sample, matur arlaitic,                                                                                                                                                                                 |                                              |                      | L    |      |         |       |        |    |  |  |
|                                       | frizy & soft - gramular appearence                                                                                                                                                                                         |                                              |                      |      |      |         |       |        |    |  |  |
|                                       |                                                                                                                                                                                                                            |                                              |                      |      |      |         |       |        |    |  |  |

 $oldsymbol{O}$ 

|    |         | · •·      |                                       |                |              |                                       | · · · · · ·                            |                                       |                      | -          | · · ·    |            |          |        |
|----|---------|-----------|---------------------------------------|----------------|--------------|---------------------------------------|----------------------------------------|---------------------------------------|----------------------|------------|----------|------------|----------|--------|
|    |         |           |                                       |                |              |                                       |                                        |                                       |                      |            |          |            |          |        |
|    |         |           |                                       |                |              |                                       | In CIMC                                |                                       |                      |            | -196     | Drzo       | 12       |        |
|    |         |           | LITHOLOG                              | Y LOGGIN       | IG SHEET     | VF Logge                              | 1 by. <u>00000</u>                     |                                       |                      | UUF        | 1/20     | <u>100</u> | 10       |        |
|    |         |           |                                       |                |              | Date:                                 | July 11/ 46                            |                                       |                      | PAGE       |          | -          |          |        |
| FI | ROM TO  | FLAG CODE | COLO 1                                | XT TEXT<br>2 3 | TEXT STRUC / | ALTN<br>INT MINE                      | MINERALIZATION<br>RAL // HOW // AMOUNT | DIST                                  | TRUCTURE<br>FT/TH/AN | FROM       | то       | SAMPLE#    | RECOV    | AU G/T |
|    | 53 6    | Darl      | 5A MS L                               | n)             | 0            | R                                     |                                        |                                       |                      | 53         | 54       | 30905      |          | 0.10   |
|    |         | med an    | ey dock                               | ~10-           | 15/0 cher    | tchi 00                               | , soft,                                |                                       |                      | 54         | 55       | 30906      |          | 0.07   |
|    |         | react?    | S/ HC al                              | eng l          | actives <    | E wher                                | pondered,                              |                                       |                      | 55         | 56       | 30907      |          | 0.34   |
|    |         | ~ Sloop   | erall w                               | hiti ca        | late Ne      | inmot                                 | uial                                   |                                       |                      | 56         | 57       | 31908      |          | 0.10   |
|    |         |           |                                       |                |              |                                       |                                        | _                                     |                      | 57         | 58       | 30909      |          | 0.10   |
|    |         | ····  -   | · · · · · · · · · · · · · · · · · · · |                | ·····        |                                       | <u> </u>                               |                                       |                      | 58         | 59       | 30910      |          | 0.10   |
|    |         |           |                                       |                |              |                                       |                                        |                                       |                      | 59         | 60       | 30911      |          | 0.10   |
|    |         |           |                                       |                |              |                                       |                                        |                                       |                      | 60         | 61       | 30912      |          | 0.14   |
|    |         |           |                                       |                |              |                                       |                                        |                                       |                      | 61         | 62       | 30913      |          | .99    |
|    |         |           |                                       |                | ·····        | · · · · · · · · ·                     |                                        |                                       |                      | 62         | 63       | 30914      |          | 0.21   |
|    |         | · · · · · |                                       |                |              |                                       | · · · · · · · · · · · · · · · · · · ·  |                                       |                      | 63         | 64       | 30915      |          | 0.16   |
|    |         |           |                                       | ····           |              |                                       |                                        | _                                     |                      | 64         | 65       | 30916      |          | 017    |
|    |         |           |                                       |                |              | l                                     |                                        | _                                     |                      | 65         | 66       | 30917      |          | 0.03   |
|    |         |           |                                       |                |              | · · · · · · · · · · · · · · · · · · · |                                        |                                       | · · · · ·            | <u>.</u>   |          |            |          |        |
|    |         |           |                                       |                |              |                                       | ······································ | - <u> </u>                            | ·                    |            |          |            |          |        |
|    | ~       |           |                                       |                |              |                                       | · · · · · ·                            |                                       |                      |            |          |            |          |        |
|    |         |           |                                       |                |              |                                       |                                        | -                                     |                      |            |          |            |          |        |
| 7  |         | Z EZ DAL  | V/ 12V                                | ·              |              | 12 1:10                               | 11/0%                                  | · · · · · · · · · · · · · · · · · · · |                      | 11         | 67       | 2          |          | • 10   |
| _6 | 0 0     | o re part |                                       |                | <u>abi</u>   | 0 1/1                                 | M/2/6                                  | -                                     | · · · ·              | 60         | 18       | 20218      |          | 0.10   |
|    | · · · · | yney /pl  | negrey t                              | MAL            | Han A        | nous à                                | maria                                  |                                       |                      | <u>0</u> 7 | 00       | SOUTH      |          |        |
| ľ  |         | Cala tic  | Man La                                | the co         | <u></u>      | NOWLE                                 | weating                                | <u> </u>                              |                      | · · · ·    | <u> </u> |            |          |        |
|    |         | L'MCAUC   | matom                                 |                | <u> </u>     |                                       | · · · · · · · · · · · · · · · · · · ·  |                                       |                      | 1          |          | · .        | <u> </u> | 1      |
|    |         |           | <u>.</u>                              | ·              |              |                                       | ······································ |                                       | <u> </u>             |            | <u> </u> |            |          |        |

|             |                                         | NORTH AMERICAN METALS CORP Logged by. CMC<br>LITHOLOGY LOGGING SHEET                                                                                                                                                        |            | <br>9               |          |       |         |          |        |    |  | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|             |                                         | Date: ////////////////////////////////////                                                                                                                                                                                  |            |                     | PAGE     | _OF_1 | -       |          |        |    |  |
| FROM        | то                                      | ROCK         TEXT         TEXT         TEXT         STRUC         ALTN         MINERALIZATION           FLAG         CODE         COLO         1         2         3         4         INT         MINERAL // HOW // AMOUNT | ST<br>DIST | RUCTURE<br>FT/TH/AN | FROM     | то    | SAMPLE# | RECOV    | AU G/T | S% |  |
| 68          | 81                                      | QXH 4A MS VN M O 16 92/UN/0.1%                                                                                                                                                                                              |            |                     | 68       | 69    | 20920   |          | 0.10   |    |  |
|             |                                         | med/darkaver Dach, chert is rale gren-build.                                                                                                                                                                                |            | · · · ·             | 69       | .70   | 30921   |          | 0.03   |    |  |
|             |                                         | vired w/ catritic minimiens = also some querts                                                                                                                                                                              |            |                     | 70       | 71    | 30922   |          | 0.10   |    |  |
|             |                                         | Verning (~0.19. Chips overall are white Nein                                                                                                                                                                                |            |                     | 71       | 72    | 30923   |          | 0.07   |    |  |
|             |                                         | quarter ( hard, non vactive wither) also                                                                                                                                                                                    |            |                     | 72       | 73    | 30924   |          | 0.07   |    |  |
|             |                                         | Proctanes from calcitic matrix ( reacts wild dans                                                                                                                                                                           | •          |                     | 73       | 74    | 30925   |          | 0.14   |    |  |
|             |                                         |                                                                                                                                                                                                                             | 5          |                     | 74       | 75    | 30726   |          | 0.10   |    |  |
|             | ,                                       | fractures )                                                                                                                                                                                                                 |            |                     | 75       | 76    | 30927   |          | 0.10   |    |  |
|             |                                         |                                                                                                                                                                                                                             |            |                     | 76       | 77    | 30928/  |          | 2.17   |    |  |
|             |                                         |                                                                                                                                                                                                                             |            |                     | 77       | 78    | 30129   |          | 0.14   |    |  |
|             |                                         |                                                                                                                                                                                                                             |            |                     | 78       | 79    | 30930   |          | 0.17   |    |  |
|             |                                         |                                                                                                                                                                                                                             |            |                     | 79       | 80    | 30931   |          | 0.62   |    |  |
|             |                                         |                                                                                                                                                                                                                             |            |                     | 80       | 81    | 30932   |          | 0.45   |    |  |
|             |                                         |                                                                                                                                                                                                                             |            |                     |          |       | 275     | <u> </u> |        |    |  |
|             |                                         |                                                                                                                                                                                                                             |            |                     |          |       |         |          |        |    |  |
|             |                                         |                                                                                                                                                                                                                             |            |                     |          |       |         |          |        |    |  |
| 1. j. *     |                                         |                                                                                                                                                                                                                             |            |                     |          |       |         |          |        |    |  |
|             | -                                       |                                                                                                                                                                                                                             |            |                     |          | ·     |         |          |        |    |  |
| 81          | 1000                                    | 00047445                                                                                                                                                                                                                    |            | the second second   | 81       | 82    | 30133   |          | 0.31   |    |  |
|             |                                         | manuel light green ODCH some Duo is                                                                                                                                                                                         |            |                     | 82       | 83    | 2934    |          | 0.21   |    |  |
|             | 18 - 19 - 19 - 19 - 19 - 19 - 19 - 19 - | weakly - moderately silicitied upossile.                                                                                                                                                                                    |            | đ                   | 83       | 84    | 30735   |          | 0.24   |    |  |
| . •         |                                         | cheef is call star- Trill its caloud, minor                                                                                                                                                                                 |            | set p               | 84       | 85    | 301361  |          | 0.24   |    |  |
| т.<br>х. т. | •                                       | silletone interbedged and from                                                                                                                                                                                              |            |                     | 85       | 86    | 30937   |          | 2.64   |    |  |
|             |                                         | 89-91, ~ 5% claims of Georgia ted limmitic doc H 5                                                                                                                                                                          |            |                     | 86       | 87    | 30938   |          | 0.34   |    |  |
|             |                                         | Gill Autotorio                                                                                                                                                                                                              |            |                     | <u> </u> |       |         |          |        | ن  |  |
|      |    | NORTH AMERICAN METALS CORF |         |      |      |                     | ORP       | Logged by |       |         |   | орн <u>Т96<i>R</i>С34</u> 2 |      |               |       |       |         |               |    |
|------|----|----------------------------|---------|------|------|---------------------|-----------|-----------|-------|---------|---|-----------------------------|------|---------------|-------|-------|---------|---------------|----|
|      |    |                            |         |      | HEET | -1<br>Date: <u></u> |           |           |       | PAGE OF |   |                             |      |               |       |       |         |               |    |
| FROM | то | FLAG                       | ROCK    | COLO | TEXT | TEXT                | TEXT<br>3 | TEXT      | STRUC |         |   |                             | DIST |               | FROM  | то    | SAMPLE# | RECOV AU G/T  | 5% |
|      |    | 1                          |         |      |      |                     | 1         |           |       |         |   |                             |      |               | 87.   | 58    | 36939   | .38           |    |
|      |    |                            |         |      |      |                     |           |           |       |         |   |                             |      | 88            | 87    | 30942 | 0.21    |               |    |
|      |    |                            |         |      |      |                     |           |           |       |         |   |                             |      |               | 89    | 90    | 30943   | 27            | •  |
|      |    |                            |         |      |      |                     |           |           |       |         |   |                             |      |               | 90    | 91    | 30944   | 0.21          |    |
|      |    |                            | ,       |      |      |                     |           |           |       |         | - |                             |      |               | 91    | 92    | 30945   | ः48           |    |
|      |    |                            |         |      |      |                     |           |           |       |         |   |                             |      |               | 9.2   | 43    | 20246   | ार            |    |
|      |    |                            |         |      |      |                     |           |           |       |         |   |                             |      |               |       | 40    | (30947) | 0.23          |    |
|      |    |                            |         |      |      |                     |           |           |       |         |   |                             |      |               | 1/2-  | 95    | 30148   | -14           |    |
|      |    |                            |         |      |      |                     |           |           |       |         |   | ··· · ·                     |      |               | 95    | 96    | 359.49  | 0.14          |    |
|      |    |                            |         |      |      |                     |           |           |       |         |   |                             |      |               | 96    | 97    | 30950   | 0 43          |    |
|      |    |                            |         |      |      |                     |           |           |       |         |   |                             |      |               | 47    | 98    | 3:5151  | COY           |    |
|      |    |                            |         |      |      |                     |           |           |       |         |   | -                           |      |               | 98    | 99    | 30952   | . O. <b>H</b> |    |
|      |    |                            |         |      | -    |                     |           | -         |       | -       |   |                             |      |               | 99    | 100   | 30153   | 0.21          |    |
| · :  |    |                            | •       |      |      |                     |           |           |       |         |   | · .                         |      |               | 100   | 101   | 30954   | 0 1           |    |
|      | -  | -                          | -       |      |      |                     |           |           |       |         |   |                             |      |               | 101   | 102   | 30955   | 017           |    |
|      |    |                            |         |      |      |                     |           |           |       |         |   |                             |      |               | 102   | 103   | 30956   | 0.41          | -  |
|      |    |                            |         |      |      |                     |           |           |       |         |   |                             |      | 1             | 103   | 104   | 30957   | 0.10          |    |
|      |    |                            |         |      |      |                     |           |           |       |         |   |                             |      |               | 104   | 105   | 30958   | 0,0           |    |
|      |    |                            |         |      |      |                     |           |           |       |         | • |                             |      |               | 105   | 106   | 30959   | 0.03          |    |
|      |    | ан на<br>1913 - 19         |         |      |      | •                   |           |           | -     |         |   |                             |      |               | 105   | 107   | 30960   | ô lê          |    |
|      |    |                            |         |      |      | -                   |           | -         |       | ,       |   |                             |      |               | 107   | 10.6  | 30961   | 0 07          |    |
|      |    |                            | 1 A - A | 1    |      |                     |           |           | . •   |         |   |                             |      |               | 1. A. |       |         |               |    |
| ·    |    | 1                          |         |      |      | -                   |           |           |       |         |   |                             |      | · ·           |       |       | -       |               |    |
|      |    | 1.                         |         |      |      |                     |           |           |       |         |   |                             |      | at the second |       |       |         |               |    |

|      |     | NORTH AMERICAN METALS CORP Logged by: <u>CMC</u><br>LITHOLOGY LOGGING SHEET<br>Date: July 15 | DDH_ <u>T96RC 342</u><br>PAGE_7_OF_9_ |                                                                                                                 |      |     |         |       |        |    |
|------|-----|----------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------|------|-----|---------|-------|--------|----|
| FROM | то  | FLAG CODE COLO 1 2 3 4 INT INT MINERALIZATION                                                | DIST                                  | TRUCTURE                                                                                                        | FROM | то  | SAMPLE# | RECOV | AU G/T | S% |
| 103  | 109 | FZ DOCH VA BX CR 26 14 Libn/5%                                                               |                                       |                                                                                                                 | 108  | 109 | 30962   |       | 0,03   |    |
|      |     | all any Dich presents in a call willow matrix                                                |                                       |                                                                                                                 |      |     |         |       |        |    |
|      |     | mating is calcula                                                                            |                                       |                                                                                                                 |      |     |         |       |        |    |
|      |     |                                                                                              |                                       |                                                                                                                 |      |     |         |       |        | ,  |
|      |     |                                                                                              |                                       |                                                                                                                 |      |     |         |       |        |    |
|      |     |                                                                                              |                                       |                                                                                                                 |      |     |         |       |        |    |
| 109  | 123 | Darl BA CR MS 14 14                                                                          |                                       |                                                                                                                 | 109  | 110 | 30 963  |       | 0.14   |    |
|      |     | rale grey, bleached DOCH, messave to locally                                                 |                                       |                                                                                                                 | 110  | 111 | 30964   |       | 0.10   |    |
|      |     | fraction & arachled, weakly reactive w HCl,                                                  |                                       |                                                                                                                 | 111  | 112 | 30965   |       | 0.03   |    |
|      |     | bleaching is opinical at poor interior (next to drossia)                                     |                                       |                                                                                                                 | 112  | 113 | 30966   |       | 0.14   |    |
|      |     | E pradually decreases downhole.                                                              |                                       |                                                                                                                 | 113  | 114 | 30967   |       | 0.03   |    |
|      |     |                                                                                              |                                       |                                                                                                                 | 114  | 115 | 30968   |       | 0.10   |    |
|      |     |                                                                                              |                                       |                                                                                                                 | 115  | 116 | 30969   |       | 003    |    |
|      |     |                                                                                              |                                       |                                                                                                                 | 116  | 117 | 30970   |       | 0.07   |    |
|      |     |                                                                                              |                                       |                                                                                                                 | 117  | 118 | 30971   |       | 007    |    |
|      |     |                                                                                              |                                       |                                                                                                                 | 118  | 119 | 30972   |       | 007    |    |
| · 🔨  |     |                                                                                              |                                       |                                                                                                                 | 119  | 120 | 30973   |       | 010    |    |
|      |     |                                                                                              |                                       | 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - | 120  | 121 | 30974   |       | 0.14   |    |
|      |     |                                                                                              | 1                                     |                                                                                                                 | 121  | 122 | 30975   |       | 0,10   |    |
|      |     |                                                                                              |                                       |                                                                                                                 | 122  | 123 | 30976   | 5 7   | 0.14   |    |
|      | ·   |                                                                                              |                                       |                                                                                                                 |      |     |         | -     | :      |    |
|      |     |                                                                                              |                                       |                                                                                                                 |      |     |         |       |        |    |
|      |     |                                                                                              |                                       |                                                                                                                 |      |     |         |       |        |    |
|      |     |                                                                                              |                                       |                                                                                                                 |      |     |         |       |        |    |

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|          |     | NORTH AMERICAN METALS CORP Logged by. CMC                   |           |                                       | DDH    |        | RC 34   | 12     |        |           |                      |
|----------|-----|-------------------------------------------------------------|-----------|---------------------------------------|--------|--------|---------|--------|--------|-----------|----------------------|
|          |     | LITHOLOGY LOGGING SHEET                                     |           |                                       | PAGE 8 | OF 9   |         |        |        |           |                      |
| <u> </u> |     | ROCK     TEXT   TEXT   TEXT   STRUC   ALTN   MINERALIZATION | s         | TRUCTURE                              |        |        | -<br>TT |        |        |           | 1                    |
| FROM     | 120 | FLAG CODE COLO 1 2 3 4 INT INT MINERAL // HOW // AMOUNT     | DIST      | FT/TH/AN                              | FROM   | то     | SAMPLE# | RECOV  | AU G/T | <u>S%</u> | -                    |
| 125 1    | 154 | DOGI CATVN/170                                              |           | ·                                     | 123    | 124    | 30977   |        | 0.01   |           |                      |
|          |     | med-dout avery DUCH, WI such Ver your gray                  |           | •                                     | 124    | 123    | 30970   |        | 0.07   |           | Blank                |
|          |     | Chert chips, measure us anallant of                         |           | · · · · · · · · · · · · · · · · · · · | 12.5   | 126    | 30911   |        | 0.04   |           | KIGNSE-              |
|          |     | calcut verning (white calcut ships present NTA)             |           |                                       | 100    | 141    | 30992   |        | 0,05   |           | 0.96                 |
|          |     | · · · · · · · · · · · · · · · · · · ·                       |           |                                       | 14     | 120    | 20001   |        | 0.00   |           |                      |
|          |     |                                                             |           |                                       | 120    | 120    | 20989   |        | 0.07   |           | 4                    |
|          |     |                                                             |           |                                       | 120    | 131    | 30 133  |        | 0.03   |           |                      |
|          |     |                                                             | · · · · · |                                       | 131    | 132    | 30,00   |        | 000    |           | 1                    |
|          |     |                                                             |           |                                       | 1.51   | 13~    | 50-10-7 |        | 0.07   |           | 1                    |
|          |     |                                                             |           |                                       |        |        |         |        |        |           |                      |
|          |     |                                                             |           |                                       |        |        |         |        |        |           | 1                    |
| 132      | 139 | FZ DOCH YA BX 26 16 CO UNIDER                               |           |                                       | 132    | /33    | 30188   |        | 021    |           | 1                    |
|          |     | Log le cross Doct l'ingenerate in a parte mellas            |           |                                       | 133    | 134    | 20989   |        | 0.07   |           | 1                    |
|          |     | Inercia matrice No 304 chips show adaria                    |           |                                       | 134    | 135    | 30990   |        | 0.03   |           | 1                    |
|          |     | textures some chips are erachled ~ U.1% VN                  |           |                                       | 135    | 136    | 30991   |        | 0.07   |           | 1                    |
| × .      |     | calait chips troubout interral, & from                      |           |                                       | 136    | 137    | 30992   |        | 007    |           | 1                    |
|          |     | 137 - 139 ~ 5% luff -linestonechips present                 |           |                                       | 137    | 138    | 30993   |        | 0.03   |           | 1                    |
|          |     |                                                             |           |                                       | 138    | 139    | 30994   |        | 0.03   |           |                      |
|          | ;   |                                                             |           | 1.1                                   |        |        |         |        |        |           |                      |
|          |     |                                                             |           |                                       |        | a da k |         |        |        |           |                      |
|          |     |                                                             |           |                                       |        |        |         |        |        |           |                      |
|          |     |                                                             |           |                                       |        |        |         |        |        |           |                      |
|          |     |                                                             |           |                                       |        |        |         |        |        | s is.     |                      |
| ,        |     |                                                             |           |                                       |        |        |         | San St |        |           | The structure to the |

and a second 
|        | FLAG CODE COLO 1 2 3 4 INT INT MIL<br>LMBC OA BN VN 0 0 Lip | MINERALIZATION                                | STRUCTURE<br>DIST FT/TH/AN                   |                                     |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------|-------------------------------------------------------------|-----------------------------------------------|----------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2      | LIMECIOA BN VN 00 Ly                                        |                                               |                                              | FROM 1                              | то                                                                                                                                                       | SAMPLE# RECO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                  | <b>S%</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4      | namelullos limarite stained at in                           | ST/ \/                                        |                                              | 1391                                | 140                                                                                                                                                      | 30995                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.07                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (      |                                                             | and hell!                                     | •                                            | 140                                 | 141                                                                                                                                                      | 30996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.57                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|        | aver bandad diesos at LAMPL. liment                         | staining                                      |                                              | 141                                 | 442                                                                                                                                                      | 30997                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.10                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|        | pervasing from 137-14/m, 143-14/4 ~                         | 0                                             |                                              | 142                                 | 143                                                                                                                                                      | 30998                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.07                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Ĺ      | non silicitied, chips are put an                            | d reactive                                    |                                              | 143                                 | 144                                                                                                                                                      | 30999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.07                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|        | w/ HCQ                                                      |                                               |                                              | 144                                 | 145                                                                                                                                                      | 31000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.10                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|        |                                                             |                                               |                                              | 145                                 | 146                                                                                                                                                      | 31001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.07                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| _      |                                                             |                                               |                                              | 146                                 | 147                                                                                                                                                      | 31002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.03                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Ļ      | ,                                                           |                                               |                                              | 147                                 | 148                                                                                                                                                      | 31003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.03                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Ļ      |                                                             |                                               |                                              | 148                                 | 149                                                                                                                                                      | 31004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.10                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| -      |                                                             |                                               |                                              | 149                                 | 150                                                                                                                                                      | 31005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.14                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|        |                                                             |                                               |                                              |                                     |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|        |                                                             |                                               |                                              |                                     |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| · · [- |                                                             |                                               |                                              | <u> </u>                            |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ų -    |                                                             |                                               |                                              |                                     |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ŀ      |                                                             |                                               |                                              |                                     |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | +                                                                                                                                                                                                                                                                                                                                | <u>.,,                                    </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ⊦      |                                                             |                                               |                                              |                                     |                                                                                                                                                          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|        |                                                             | · · · · · · · · ·                             |                                              |                                     |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|        |                                                             |                                               |                                              |                                     |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| · -    | · · · · · · · · · · · · · · · · · · ·                       | 24                                            |                                              |                                     |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| -      | · · · · · · · · · · · · · · · · · · ·                       |                                               |                                              |                                     |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| F      |                                                             |                                               |                                              |                                     | · · ·                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|        |                                                             |                                               |                                              |                                     |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|        |                                                             | inen silicified, chips are puft an<br>177 HCQ | non sibicified, chips are polit and reactive | non sibilities, ohigs and searchite | inon sibilities and soft and resolve 143<br>144<br>144<br>145<br>145<br>145<br>147<br>147<br>147<br>148<br>149<br>149<br>149<br>149<br>149<br>149<br>149 | inon siticifuld, aligns are suff and reactive   143   144     140   145   146     141   145   146     144   145   146     145   146   147     146   147   148     147   148   147     147   148   147     147   148   147     147   148   147     149   150   149     149   150   147     149   150   147     149   150   147     149   150   147     149   150   147     149   149   147     149   149   147     149   149   147     149   149   147     149   149   149     149   149   149     149   149   149     149   149   149     149   149   149     149   149   149     < | non sibilities   143   144   2029     w/ HCQ   144   145   3100     145   146   31001   145   146     145   146   31001   145   146     147   148   31002   147   3002     147   148   31003   147   3004     148   149   150   3005   149   150     149   150   3005   149   150   3005     149   150   3005   149   150   3005 | inon sibilitied, aligns are puff and reactive   1443   1444   20099   0.07     inor HCle   1444   145   31000   0.07     145   146   31001   0.07     146   147   146   31001   0.07     147   146   31001   0.07     147   147   31002   0.03     147   147   31004   0.10     147   148   31003   0.03     147   148   31004   0.10     149   152   31005   0.14     149   152   31005   0.14     149   152   31005   0.14     149   149   152   31005   0.14     149   152   31005   1.4   1.4     149   152   1.4   1.4   1.4     149   152   1.4   1.4   1.4     149   149   1.4   1.4   1.4   1.4     149   149   1.4   1.4   1.4   1.4   1.4 |

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|           | E+23850.00 | E+23900,00 | N+25800.00 | E+23950,00 | E+24000,00 | N+25850,00 | E+24050,00 |           |
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| Z+2000.00 |            |            |            |            |            |            |            | Z+2000.00 |
|           |            |            |            |            |            |            |            |           |
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| Z+1950.00 |            |            |            |            |            |            | ·<br>·     | Z+1200'00 |
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