REPORT ON THE 1992 GEOLOGICAL AND GEOCHEMICAL ASSESSMENT WORK ON THE D'OR AZTEC PROJECT

Mayo Mining District, Yukon
July 22 - Aug. 5, Sept. 5-7, 1991
July 13 - 27, 1992

YMIP #: 92-013

Claims: Caribou 1-4 (YB18001-004)
Candy 1-4 (YB18005-008)
Flower 1-4 (YB18013-016)
Red 1 (YB18017)
Can 1,2 (YB18018, 019)

Location: 1. 145 km E of Mayo, Yukon
2. NTS: 105 N/10, 105 N/11
3. Latitude: 63° 38'N
Longitude: 132° 52'W

For: **Mr. R. BERDAHL**
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December 15, 1992

SUMMARY

The D'Or Aztec Project consists of fifteen mineral claims in five separate claim blocks located near Swan and Pleasant Lakes,located in Lansing map area, Yukon. The claims are accessible by floatplane and helicopter, based out of Faro (160 Km to the south), Ross River (175 Km to the southeast) or Mayo (145 km to the east).

The project area lies within the Selwyn Basin, part of the Ominica Belt. The Selwyn Basin consists of a prism of sedimentary rocks of Precambrian to Jurassic age deposited along the western margin of ancient North America. Road River Group, perhaps in part Earn Group lithologies, underlie the property. Grey resistant chert pebble conglomerates belonging to the Earn Group are found in the northern part of the project area.

A suite of Cretaceous granitoids intrude the Selwyn Basin as plugs, plutons and batholiths. A number of rhyolite dykes related to the Cretaceous granitoid intrusions are found on the property. Similar dykes are found on other nearby properties associated with gold - silver mineralization.

Interest in the ground developed in 1990 with the release of a regional stream sediment survey by the Geological Survey of Canada. Results of this survey showed the project area to be drained by a number of creeks anomalous in gold, silver, copper, cadmium, barite, antimony, arsenic, and mercury.

In 1991 and 1992 the project area was prospected to evaluate the areas potential to host sedex type lead - zinc and gold deposits. A total of 93 samples (41 rock, 40 stream sediment, 12 soil samples) were collected. Results of the reconnaissance exploration include an occurrence of silicified ferricrete that returned anomalous zinc and silver values and one sample (that could not be duplicated) that returned 0.279 opt gold. Many of the creek beds in the project area contain anomalous white to red mineral coatings. The red or iron stained creeks commonly have low ph (<4) values. This acid water may dissolve lead in the stream sediments and thereby mask the presence of any nearby lead (sedex) deposits.

Prospecting also located an iron gossan anomalous in arsenic and antimony, an area of siderite float (boulders), and a swarm of quartz veins from which a sample returned anomalous copper values. A pan concentrate sample (from moss mat material) returned 1718 ppb gold from a creek in the southern portion of the project area.

Based on these results, a program of prospecting, geological mapping and geochemical sampling is recommended.

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF APPENDICES

INTRODUCTION

This report was prepared at the request of Mr. Ron Berdahl owner of the claims within the D'Or Aztec project area. Its purpose is to assess the claims and surrounding areas economic potential and to satisfy assessment (D.I.A.N.D.) and Mineral Incentive Program (Yukon Territorial Government) requirements through a description of exploration work carried out in 1991 and 1992.

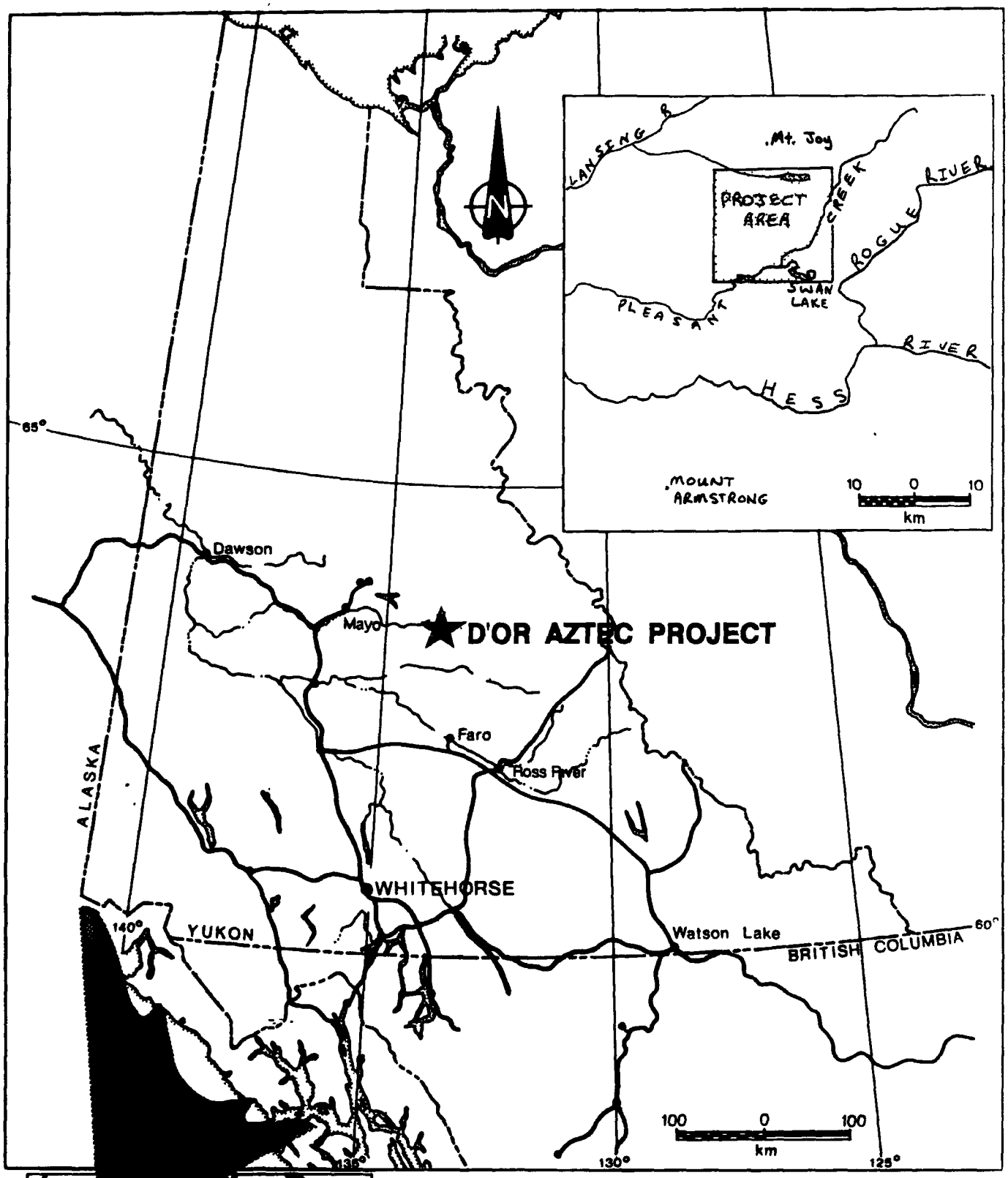
The project area, covering some 400 square kilometers (20 km x 20 Km), is located approximately 145 kilometers east of Mayo, Yukon (Figure 1) in the Mayo Mining District, and is accessible by floatplane and helicopter.

Exploration work carried out in 1991 and 1992 consisted of prospecting, geological mapping and geochemical sampling for the purpose of locating gold and massive sulfide deposits. This work was carried by Mr. R. Berdahl, a Yukon prospector, and J. Duke, M.Sc. (Sept. 5-7, 1991) with Noranda Exploration Company Limited. This report is based on data provided by R. Berdahl, the authors knowledge of the area, referenced reports, and maps.

LOCATION AND ACCESS

The claims are located 135 km E of Mayo, Yukon (Figure 1). The claims are centered at approximately 63° 38' N latitude and 132° 52' W longitude within NTS map area 105 N/10 and 105 N/11.

Access to the property in 1991 was by floatplane based out of Faro, Yukon, 160 kilometer to the south. Alternatively, helicopters are available in Mayo or Ross River, Yukon.



R. BERDAHL			
D'OR AZTEC PROJECT			
LOCATION			
Aurum Geological Consultants Inc.			Date DEC., 1992
NTS 105N	Drawn by RH		Figure 1

PHYSIOGRAPHY, CLIMATE AND VEGETATION

The D'Or Aztec project covers a range of rounded hills north of Swan Lake and Pleasant Lake in the Stewart plateau. Elevations on the property range from 2500 feet to slightly over 5000 feet on ridge tops. The ridges and hills are flanked by moderate slopes with local felsenmeer cover.

An interior continental climate with moderate to low precipitation of 30 cm annually, warm summers and cold winters typifies the area. Permafrost is commonly present on the north and east facing slopes. The property is usually snow free from late June to mid September.

Approximately thirty percent of the project area is above treeline (4500' or 1370 m). Areas below treeline have ground cover of white spruce, aspen, dwarf birch (buckbrush). Above treeline ground cover consists of moss, alpine plants, sparse dwarf willow and birch.

Recent Pleistocene glaciation scoured the area. As a result outcrop is good (20%) except on forested valley bottoms. A large portion of the property is covered by felsenmeer and talus fines.

PROPERTY

The property consists of 15 claims in five separate claim blocks. Each claim block consists of contiguous unsurveyed two-post quartz claims staked in accordance with the Yukon Quartz Mining Act (Figure 2 in pocket). The claims were staked by Ron Berdahl between July 24 and August 3, 1991. The claims lie within the Mayo Mining District. Claim data are as follows:

CLAIM NAME	GRANT No.	No. CLAIMS	EXPIRY DATE*
Caribou 1-4	(YB18001-004)	4	August 13, 1993
Candy 1-4	(YB18005-008)	4	August 13, 1993
Flower 1-4	(YB18013-016)	4	August 13, 1993
Red 1	(YB18017)	1	August 13, 1993
Can 1,2	(YB18018, 019)	2	August 13, 1993

*subject to approval of 1992 assessment work.

HISTORY

According to Yukon Minfile (1992) the area has not been previously staked. The area was presumably prospected for placer gold in the late 1800's and early 1900's. The area was explored for lead - zinc deposits in the 1960's and 1970's. In 1968 a new barium phosphate mineral, Jagowerite, was discovered in the southeast corner of the project area (Yukon Minfile).

The project area was explored and staked by Ron Berdahl following the release of a regional stream sediment survey by the Geological Survey of Canada (Friske et al., 1991).

The expired Pleasure 10-15 claims were staked by Noranda Exploration Company Limited in July 1990. They were staked to cover the possible source of anomalous gold values in stream sediments results released by the Geological Survey of Canada.

GEOLOGY

Regional Geology

The D'Or Aztec project is situated within the Selwyn Basin, part of the Ominica Belt (Wheeler et al., 1991). The geology of the Lansing map area has been most recently mapped by Blusson (1974) at a scale of 1:250,000. The Selwyn Basin is imperfectly defined (Abbott, 1986), and is used here, to describe that part of the cordilleran miogeocline comprised of a prism of sedimentary rocks, of Precambrian to Jurassic age, deposited along the western margin of ancient North America. The eastern margin of the basin is marked by the Paleozoic shale - carbonate transition zone while the western margin is defined by the Teslin fault or suture. The sedimentary basin was active from the late Proterozoic to Middle Jurassic (Abbott, 1986). Widespread thin mafic volcanic flows, breccias, and tuffs are found throughout the basin. All of the large stratabound, sediment hosted lead - zinc deposits in the northern Canadian Cordillera are found within the Selwyn Basin.

Sedimentation ceased in the Middle Jurassic in the outer miogeocline with the collision of a Mesozoic island-arc, the Yukon - Tanana Terrane (Tempelman-Kluit, 1979). The Teslin fault or suture is believed to define the boundary between the North American miogeocline and the Yukon - Tanana Terrane. The collision spread eastward with the miogeocline being over thrust by oceanic rocks and the entire package being deformed.

Two suites of granitoid intrusives, ranging from Paleozoic to Cenozoic age, related to underplating and or subduction, are found on both sides of the Tintina

fault. Granitoid emplacement peaked during the Early - Middle Cretaceous (Tempelman-Kluit, 1981). The Western Suite granitoid intrusives found west and southwest of the Selwyn Basin are predominantly granodiorite in composition and are associated with porphyry copper - molybdenum and copper skarn deposits. The Eastern or Selwyn Plutonic Suite of granitoid intrusives are distributed along a northwest trending arcuate belt within the Selwyn Basin. The granitoids are mainly granitic in composition and are associated with tin, tungsten, and molybdenum mineralization (Tempelman-Kluit, 1981).

The Tintina fault generally follows the Mesozoic suture which separates ancestral North America from the composite accreted terrane, the Yukon - Tanana Terrane. At least 450 km of dextral strike slip movement has taken place along the Tintina fault since latest Cretaceous or Early Tertiary time (Tempelman-Kluit, 1979). This has caused western parts of the Selwyn Basin to be offset and juxtaposed against itself along the Tintina fault.

Project Area Geology

The entire D'Or Aztec project area is underlain by Proterozoic to early Cambrian basement rocks of the Hyland Group formerly known as the 'Grit Unit'. These rocks consist of gritty quartzose sandstone and maroon, green and buff weathering shale and phyllite. Rocks of the Hyland Group are overlain by rocks of the Ordovician to Silurian Road River Group and Devonian to mid-Mississippian Earn Group. The Road River Group consists of graptolitic shales, calcareous and noncalcareous black shale, graphitic shale, silty limestone and chert. The younger Earn Group is distinguished by gun-blue weathering siliceous shale, chert, brown weathering shale, and distinctive resistant grey weathering chert pebble conglomerate. Locally, but not found within the project area to date, bedded barite deposits occur throughout the Earn Group.

Regional structure is dominated by thrust faults that bound the trough in which the project area is located. The overall structural trend is northwest. Strata are variably deformed with tight to open folds.

The most common sedimentary lithologies on the property are shales, calcareous shales, sandstones, and chert of the Road River Group. The distinctive chert pebble conglomerate of the Earn Group, outcrops in the northern portion of the project area and strikes northwest. As shown on Figure 2 most lithologies have been assigned to the Road River Group although it is almost a certainty that this rock package contains units of Earn Group stratigraphy.

The above sedimentary package has been intruded by rhyolite dykes of probable Late Cretaceous age. The dykes are exposed as a northwest trending lines of isolated outcrops over a length of up to four kilometers in the vicinity of the Flower, Can, and Candy claims. Although the contacts are not clearly exposed the dykes appear to be up to at least 50 meters wide. The rhyolite is similar to porphyritic rhyolite found elsewhere in the region such as near the Plata Property and the more distant Brick Property. The dyke found near the Plata Property locally contains a strong quartz stockwork and veinlets of massive stibnite. At the Brick Property the rhyolite dyke is locally strongly clay altered and contains quartz veinlets with realgar and stibnite. The gold potential of the dyke near the Plata Property is unknown while the Brick Property has been extensively explored for its gold potential.

MINERALIZATION

On the Flower Claims an occurrence of silicified ferricrete adjacent to a creek, covering an area approximately 200m by 20m, returned 0.279 opt gold and 1.9 ppm silver from a grab sample. Unfortunately this sample could not be duplicated. This same ferricrete returned anomalous zinc values up to 2540 ppm. Near the Flower claims one sample of limonitic quartz vein, from a swarm of such veins, returned 92 ppb gold 2506 ppm copper. On the east side of the Flower claims samples of siderite float (boulders) returned 247 ppb gold.

On the Caribou claims, the Caribou showing consists of an 8m by 4m iron gossan (up to 46% iron) near a shale outcrop. A rock sample returned 48 ppb gold, 0.4 ppm Ag, 3500 ppm arsenic, and 268 ppm antimony.

Placer gold can be panned from moss mat adjacent to the stream draining the expired Pleasure claims. A pan concentrate sample returned 1718 ppb gold.

As noted on Figure 2 numerous creeks are anomalous in color with heavy white, yellow, and red mineral coatings. These creeks often have anomalously low ph values.

GEOCHEMISTRY

1992 Results

A total of 93 samples (41 rock, 40 stream sediment, 12 soil) were collected on the D'Or Aztec project in 1991 and 1992. All samples were analyzed for their gold and silver content, and for additional elements including Cu, Pb, Zn, As, and Sb. Results for the work carried out are shown on Figure 2. The more significant rock samples are described above under 'mineralization'. Complete rock sample descriptions and analytical results are included in Appendix A and B respectively.

Stream Sediment Samples

In 1990 the Geological Survey of Canada released regional stream sediment and water geochemical data, GSC Open File 2363, for the Lansing map sheet (Friske et al., 1990). Of the samples collected by the GSC, eight samples are from streams draining the project area. The table below is based on the number of samples, for selected elements, that fall within the 95th percentile in the regional survey.

Element	No. of samples (>95th percentile)
Gold	5
Molybdenum	5
Antimony	4
Mercury	7
Barite	7
Cadmium	5
Silver	6
Copper	4
Arsenic	6

In addition copper and ytterbium values were the highest returned from the regional survey. The source of the extremely anomalous barite values has not been located to date. Barite was not analysed by specific technique during the 1992 or 1993 programs.

Numerous color anomalies are found in the creek beds. Iron red - orange creeks, where measured by the GSC, have low ph's of 4 or <4. Creeks with white precipitate, of aluminum compounds, have ph's of 5 or >5. Due to the low ph's in many creeks, any metals, particularly lead and zinc, may be dissolved from the stream sediments and transported downstream. This could explain the anomalously low lead values obtained from most samples (<20 ppm).

Anomalous mercury, arsenic, antimony, stibnite values are believed to be spatially related to the rhyolite dykes.

CONCLUSIONS AND RECOMMENDATIONS

The D'Or Aztec project covers a sedimentary package of Road River and Earn Group rocks in the Selwyn Basin. These rocks are intruded by rhyolite dykes of probable Cretaceous age. The project area has a dominant northwest structural trend including numerous northwest trending faults.

Work to date has consisted of a grassroots prospecting and sampling program carried out in 1991 and 1992. A total of 93 samples (41 rock, 40 stream sediment, 12 soil samples) have been collected to date. Mineralization found to date consists of siderite float, quartz veins that returned anomalous copper values, and ferricrete that returned anomalous gold and zinc values. One creek near the southern end of the project area returned anomalous gold values, up to 1718 ppb gold, from panned moss mat samples.

Creeks draining the project area sampled by the Geological Survey of Canada returned highly anomalous values for a number elements including gold, silver, copper, antimony, arsenic, barite, cadmium and mercury. These anomalous samples have not been adequately explained.

Anomalous barite values in stream sediments collected by the GSC could reflect possible sources of bedded barite that may be associated with lead - zinc sedex type deposits. Lead values are considered anomalously low considering most creeks drain areas underlain by black shales. Many of these creeks have anomalously low ph values that may have caused the metals (particularly lead and zinc) to be leached out of the stream sediments.

Anomalous gold, silver, antimony, arsenic and mercury values are believed to be spatially related to rhyolite dykes. Similar rhyolite dykes are found on other precious metal properties in the Selwyn Basin.

As the property is underlain by favorable lithologies and structures it should be further explored for both gold mineralization and lead zinc sedex type deposits.

The following is recommended:

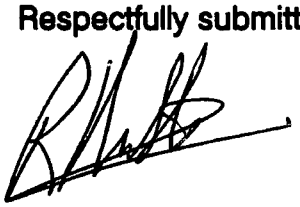
1. Compile a 1:10,000 scale map of the D'Or Aztec project area incorporating all available geological, geochemical and remote sensing data to better identify potential gold and sedex deposit exploration targets.

2. Further exploration consisting of prospecting, geological mapping and rock, soil and, stream sediment geochemistry should be carried out over the entire property.

3. Future geochemical analysis should include a specific analytical technique for barium as barite may be associated with massive sulfides. Emphases should also be placed on possible gold mineralization associated with the rhyolite dykes.

4. Any further work (geophysics, trenching, etc.) is contingent on results of the above work.

Respectfully submitted;



December 15, 1992

Roger W. Hulstein, B.Sc., FGAC, P.Geo.

REFERENCES

Abbott J.G., Gordey S.P., Tempelman-Kluit D.J., 1986. Setting of stratiform, sediment - hosted lead - zinc deposits in Yukon and Northeastern British Columbia; in Mineral Deposits of Northern Cordillera, ed. J.A. Morin, The Canadian Institute of Mining and Metallurgy, Special volume 37, p.1-18.

Blusson S.L., 1974. Geology of Lansing Map Area, NTS 105N; Open File 205, Geological Survey of Canada, 1:250,000 scale.

Friske P.W.B., Hornbrook E.H.W., Lynch J.J., McCurdy M.W., Gross H, Galletta A.C., Durham C.C., 1990. Regional Stream Sediment and Water Geochemical Data, East-Central Yukon; NTS 105N, Geological Survey of Canada, Open File 2363, 1:250,000 scale.

Tempelman-Kluit D.J., 1979. Transported Cataclasite, Ophiolite and Granodiorite in Yukon: Evidence of Arc-Continent Collision; Geological Survey of Canada, Paper 79-14.

Tempelman-Kluit, 1981. Geology and Mineral Deposits of Southern Yukon: in Yukon Geology and Exploration 1979-80; Geology Section, Department of Indian and Northern Affairs, Whitehorse Yukon.

Wheeler J.O. and McFeely P., 1991. Tectonic Assemblage Map of the Canadian Cordilleras and Adjacent parts of the United States of America; Geological Survey of Canada, Map 1712A, scale 1:2,000,000.

Yukon Minfile, 1992. Northern Cordilleran Mineral Inventory; Exploration and Geological Services, Department of Indian and Northern Affairs, Whitehorse Yukon.

STATEMENT OF QUALIFICATIONS

I, ROGER W. HULSTEIN, with business address:

Aurum Geological Consultants Inc.
205 - 100 Main St.
P.O. Box 4367
Whitehorse, Yukon
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do hereby certify that:

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., 205-100 Main Street, Whitehorse, Yukon Territory.

2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.

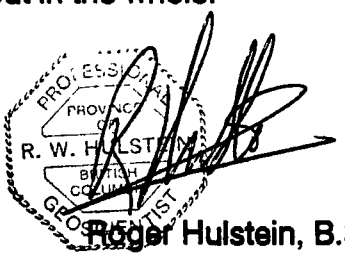
3. I am a member of the Geological Association of Canada (A3572).

4. I am a member of The Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 19127.

5. I have no direct or indirect interest in the properties of Mr. Ron Berdahl.

6. I am the author of this report on the D'Or Aztec Project, which is based on my personal knowledge of the area, the information supplied to me by Ron Berdahl, and on referenced sources.

7. I consent to the use of this report, in a company report or statement, provided no portion is used out of context in such a manner as to convey a meaning differing from that set out in the whole.



December 15, 1992

Roger Hulstein, B.Sc., FGAC, P.Geo.

STATEMENT OF COSTS

1992 Assessment Work Valuation: D'Or Aztec Project

1. Geological and Geochemical

A. Fieldwork

J. Duke, M.Sc. of Whitehorse, Yukon.	
Sept. 5-7, 1991; 3.0 day @ $250.00/day:	$750.00
R. Berdahl B.Sc., of Whitehorse, Yukon.	
July 22 - Aug. 5, 1991; 15.0 days @ $150.00/day:	2250.00
July 13 - 27, 1992; 15.0 days @ $150.00/day:	2250.00

B. Geochemical Analysis

93 samples @ $15.00 ea:	$1395.00

C. Support Costs

Field Expenses:	$300.00
Sample bags, flagging tape & thread:	50.00
Truck Rental:	100.00
Gasoline:	50.00
Floatplane:	2800.00

D. Research and Report Preparation

R. Hulstein, B.Sc.	
2.5 days @ $350.00/day:	$875.00
Total Valuation of 1992 Assessment Work:	**$7854.09**

APPENDIX A

Rock Sample Descriptions

Rx Descriptions D'OR AZTEC 105 N/10

1N1147 - silicified (?) ferricrete

1N1149 - limonitic yellow quartz in talus

1N1150 - brown (manganese / siderite) rind rock with lattice of quartz veins / veinlets throughout. fine grained, heavy, from talus

1N1151 - soil rock; red limonite veggy gossan kill zone - 20m x 50m

1N1152 - breccia (ferricrete) from above zone w/ ½ mm tubes & flakes

1N1155 - Limonitic, "washed out" altered qtz quartz from veins & lattice in shales. Quartz "pods" resemble pillow lava

1N1161 - ferricrete (@ 1N1158) ferricrete intermingled w/ N/W trending shales - convoluted w/ "ferricrete" breccia conglomerate cap rock

1N1115 - flt w/ columnar silvery crystals

Stream Sed / Soils D'OR AZTEC 105-N/10

IN51- stream sed ~1' wide, swampy creek - gravel

IN52 " " 1m width yellowish film on gravel

IN53- SOIL 8' channel sample through limonite hill zone.

IN117 Strm sed - 'Lake creek' (as IN52 above - same creek, near mou

IN118 Strm sed '1927' creek

IN1110 Strm sed R. limit candy ork
IN1111 " " L limit " "
IN1112 Strm sed 2nd right limit candy ork
IN1113 Strm sed @ GSC # 105N 90 3203 in rusty coated creek 2' width, water clear

IN1116 soil sample 20 m from @ 120° caribou showing - mineral soil w/out rusty coloring
IN1117 ~~so~~ Soil sample (swampy conditions) 10 m E of post #1:3ca
IN1118 " " 30 m E of caribou showing
IN1119 SOIL sample red grit overlying orange soil
IN1120 " " same ~~as~~ as 19 but coarser (quarter size) taken from 2' hole (frozen at 2')
Both IN1119 & 20 120° & 25m from caribou showing

IN1121 - ~~Strm~~ Soil sample 8m @ 210° from caribou showing consisting of earthy red soil w/ chine size gossan material

IN1122- Strm sed on right limit trib of 1927 ork - 30-50% breccia & ferricrete in creek gravels
IN1123- Strm sed on main trib of 1927 ork- shale bedrock w/ limonite (red) in bedding

Strm seds / Soils DOR AZTEC 105N/10

water clear, no taste, tuff feld-spar porphyry rx in creeks

IN1128 Strm sed 'Berry crk' shale outcrop; granite float
IN1129 " " " " " " near confluence w L Lime
IN1130 " " Left Limit Berry crk - granodiorite boulders round
IN1131 " " Right Limit of IN1130
IN1132 " " Left Limit of IN1130

IN1135 Strm sed draining 33 crk - after emerging from talus
IN1136 Strm sed draining Jane + Flower claims - 5' x 6" w/ bright red bottom - red coating on gravel, cobbles.

IN1137 soil from boggy red organic layer several inches overlying black organics

IN1139 Strm sed flower creek, gravel w/o rust color, 1+'
IN1140 " " pass creek " " " " , 2+'

IN1144 strm sed 'mid ~~upper~~ flower creek, crk bottom orange/reddish

IN1145 - organic ooze - orange to red in area of ferricrete, shale, silicification

IN1148 - soil sample, 'transported' red grit soil carried by 'caribou' creek

IN1153 - soil sample from NW trending fault assoc w/ rhyolite, alt rhyolite dike

IN1154 - Strm sed from creek with thick white scum coating on bed that hardens to form "Alunicrete" when dry (shale + matrix); water 'puckers' mouth

Strm Seds / Soils D'OR AZTEC 105N/10

1N1156 - Stream sed at confluence of white precipitate creek (1N1154) + red precipitate crk (1N1158) some milkiness in bottom precipitate

1N1157 - Stream sed red creek - gravel bottom w/o color

1N1158 - stream sed upper red crk. bottom precipitate orange/red; drains NW trending shales interbedded w/ rusty ferricretes

1N1159 - strm sed - right limit trib to Candy creek orange/red ferricrete bedrock bottom

1N1160 - Stream sed from crk below green lake; 1st crk thru gravel fan.

Rx Descriptions D'OR AZTEC 105N10

1N54 - bright red, heavy conbed limonitic rock (relic); crumbly from a 4m x 3m 'kill zone'

1N55 - as above, very crumbly taken @ 2+' deep.

1N116 - manganese float w/ veinlets of quartz + sulphides slightly magnetic(?)

1N119 - breccia/conglomerate float with a limonite matrix

1N1114 - rusty coated Shales w/ leaching orange ooze, some foliation

1N1125 - ferricrete w/ shale fragments

1N1126 - yellowish & white quartz vein in rusty light columnar shale.

1N1127 - limonitic breccia

1N1133 - qtz float w/ limonite + 'burnt metal' (manganese?) from west gossan flt train

1N1134 - silicified wad w/ trace silvery sulfide; from east gossan flt train.

1N1137 - oxidized ~~eaten~~ vuggy limonite red rock, no sulphides

1N1141 - yellow to orange decomposed/alt rock-soil

1N1143 - ferricrete from NW dipping 10° zone

1N1146 - black crusty rock between shale and decomposed ferricrete (red layer)

SAMPLE DESCRIPTIONS

2N10 - PLEASANT LAKE

Rock

2N101 - Limonitic quartz vein (to 20% limonite) w/ trace sulfides; found in ENE dipping shales, 4" qtz veins w/ shale bedding

2N1013 - qtz / limonite vein in calcareous grey shale

2N1014 - limonite qtz vein in calcareous, grey shale w/ rare disseminated sulfides

2N1017 - Rhyolite (quartz tex) w/ bleached reaction rim, rare dissem sulfides, + dissem qtz crystals

Sample Descriptions

2N10 - Pleasant Lake

Stream Seds / Soils

2N102 - Stream sed from 2' flat lying crk w/ fine shale bottom

2N103 - Stream Sed - '75' creek [redacted] well ext. creek running thru hvy alders.

2N104 - Stream sed at confluence of two swampy trib's

2N105 - Stream Sed from 1' wide, 4" deep stream

2N106 - Stream Sed from 30' wide - 2-3' deep NW trending creek - variety gravel

2N107 - Stream Sed " < 1' wide creek draining, 100 veg, eastern slopes

2N108 " " " "

2N1010 Stream Sed 75 creek w/in canyon. U.g in pan samples, shales dipping 35°N w/ minor calcareous elements between shale beddings one chert pebble conglom pebble in pan.

2N1011 - Strm Sed 75 creek at upstrm confluence

2N1012 - Strm Sed right limit trib. '75' crk

2N1016 - Strm Sed - 75 crk - upper portion

2N1017 - Strm sed in small, <1' steep, overflow, flooded bar w/ ferricrete flt.

2N1019 Strm sed - drains SW slope from 'rhyolite' body

2N1020 Strm Sed east 75 creek; draining flats - org orgs.

2N1015

40 - STR SEDS
41 - Rocks
12 - Soils

S - 14 + 26

R - 4 + 22 + 15

Soils - 12

APPENDIX B

Analytical Methods and Reports

AZTEC

Northern Analytical Laboratories ltd.

- 95% 105N MAP SHT.

SILTS / STREAMSEDS

August 10,1991

Work Order # 13305

File # 13305b

Project # 312-A4

Noranda Exploration Company Limited
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Y1A 2A7

Assay Certificate for Samples Provided

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb (10ppm 70%)	ppm Zn	ppm As	ppm Sb
S1N51	<5	<0.1	36	26	198	240	51
S1N52	<5	0.3	63	18	101	303	92
S1N117	14	<0.1	141	18	188	320	73
S1N118	<5	<0.1	59	16	153	265	100
S1N1110	23	<0.1	103	20	184	117	64
S1N1111	<5	<0.1	67	18	658	105	51
S1N1112	<5	0.7	32	19	517	83	48
S1N1113	<5	4.0	236	15	242	232	131
S1N1115	<5	1.7	29	21	345	119	109
S1N1116	38	2.5	60	8	49	201	34
S1N1117	29	4.7	16	17	57	716	179
S1N1118	<5	3.5	3	15	49	342	86
S1N1119	<5	2.9	9	8	45	537	114
S1N1120	<5	<0.1	1	3	49	745	425
S1N1121	9	2.3	13	14	28	1090	128
S1N1122	<5	<0.1	39	21	110	31	35
S1N1123	<5	<0.1	42	20	134	37	38
S1N1128	<5	<0.1	18	21	135	22	28
S1N1129	<5	<0.1	10	14	102	24	17
S1N1130	<5	<0.1	18	20	79	58	66
S1N1131	<5	<0.1	22	19	92	62	83
S1N1132	<5	<0.1	17	19	98	69	23
S1N1135	<5	5.2	77	17	69	63	72
S1N1136	<5	<0.1	50	14	135	121	43
S1N1137	<5	0.3	19	10	81	108	152
S1N1139	<5	1.4	39	14	126	233	95
S1N1140	<5	0.6	60	19	119	217	119
S1N1141	<5	0.5	64	8	719	141	79

Certified by _____

AZTEC

Northern Analytical Laboratories ltd.

August 10,1991

Noranda Exploration Company Limited
201 - 107 Main St.
Whitehorse, Yukon
Y1A 2A7

Work Order # 13305

File # 13305a

Project # 312-A4

Assay Certificate for Samples Provided

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As	ppm Sb
R1N113	48	0.4	5	28	72	3530	266
R1N114	<5	0.2	6	<1	47	3060	305
CARIBOU R1N115	<5	0.4	4	<1	24	4450	386
green Lake - R1N116	25	0.3	18	85	136	105	47
1927 CRK - R1N119	<5	0.4	90	14	470	323	29
CANDY - R1N1114	<5	0.6	70	11	309	226	35
R1N1124	<5	0.4	21	28	210	201	28
1927 CRK R1N1125	<5	0.8	09	<1	712	167	20
North Flower - R1N1126	92	0.5	2088	37	1207	389	40
CARIBOU CRK R1N1127	<5	0.4	75	2	182	385	36
gossan R1N1133	39	0.2	121	13	91	115	<1
R1N1134	11	0.3	94	105	312	181	27
JANE - R1N1138	<5	0.4	29	<1	27	210	66
FLOWER R1N1143	<5	0.7	45	4	84	217	50
R1N1144	28	0.4	67	5	2210	186	42
R1N1146	<5	1.2	60	7	1664	239	73
FLOWER R1N1147	6000	1.9	158	66	2540	333	110
FLOWER R1N1149	247	0.2	51	5	453	220	59
TALUS R1N1150	67	1.4	120	28	531	248	57
CAN - R1N1151	25	0.5	296	<1	196	607	61
MILK CRK R1N1155	23	0.5	151	10	140	321	24

0.279 oz/Ton

Certified by ... CHyatt

AZTEC

Northern Analytical Laboratories ltd.

August 10,1991

Work Order # 13305

File # 13305c

Project # 312-A4

Noranda Exploration Company Limited
201 - 107 Main St.
Whitehorse, Yukon
Y1A 2A7

SILTS / STRM SEDS

Assay Certificate for Samples Provided

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As	ppm Sb
S1N1144	<5	3.4	47	18	185	303	246
FLUKER S1N1145	<5	<0.1	79	11	1886	745	276
S1N1148	<5	0.3	149	19	163	412	129
CARIBOU CRK - S1N1152	<5	1.6	147	4	177	175	109
SANSHOE fault - S1N1153	<5	0.5	27	38	273	123	46
MILK S1N1154	<5	1.1	165	15	176	168	33
S1N1156	<5	1.5	174	17	301	153	38
S1N1157	1	0.8	65	16	304	78	41
RED S1N1158	4	0.4	41	11	70	124	189
CANOY - S1N1159	<5	7.1	44	6	95	87	175
CAMP CRK - S1N1160	25	<0.1	95	16	453	248	58

Certified by ...

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
13416 R1N 113	56	1	3	38		1	3	112	40.88		5	ND	1	2			27	445	.01	.593	2	1	.01	38	.01	7	.23	.01	.01	1
13416 R1N 114	55	1	3	44		1	3	118	46.27		5	ND	1	2			23	413	.01	.585	2	1	.01	85	.01	8	.24	.01	.01	1
13416 R1N 115	78	1	2	28		1	3	114	42.92		5	ND	1	4			28	652	.02	.575	2	1	.01	31	.01	7	.27	.01	.01	1
13416 R1N 116	3	15	59	151		25	31	99999	3.68		5	ND	1	166			2	6	1.45	.030	2	5	.73	191	.01	2	.11	.02	.03	1
13416 R1N 119	6	112	11	523		83	15	899	14.55		5	ND	1	24			2	48	.05	.160	7	4	.05	1987	.01	7	.64	.01	.14	3
13416 R1N 1114	2	68	5	320		28	6	272	12.55		5	ND	1	38			2	38	.04	.057	3	22	.22	191	.01	9	.83	.01	.11	1
13416 R1N 1124	6	16	36	225		44	10	99999	10.26		11	ND	1	501			2	9	5.79	.595	2	27	.69	795	.01	13	.34	.09	.13	2
13416 R1N 1125	5	21	7	734		26	6	660	15.50		5	ND	1	30			3	32	.05	.036	4	5	.02	1446	.01	6	.27	.01	.10	4
13416 R1N 1126	1	2596	41	1196		216	17	12735	18.99		5	ND	1	299			12	147	.11	.560	2	42	.04	198	.01	7	3.42	.01	.04	9
13416 R1N 1127	18	76	7	217		33	6	167	15.50		5	ND	3	29			2	322	.01	.344	7	28	.02	981	.01	5	.55	.01	.13	1
13416 R1N 1133	16	120	23	115		30	7	591	2.94		6	ND	2	57			2	11	.01	.042	2	115	.01	1874	.01	4	.39	.01	.02	1
13416 R1N 1134	1	93	85	320		43	30	32968	8.65		8	ND	1	1759			2	11	6.99	.016	2	1	2.00	3906	.01	2	.08	.03	.02	2
13416 R1N 1138	4	38	4	44		2	3	170	38.20		5	ND	1	29			21	27	.04	.056	2	5	.01	267	.01	9	.28	.01	.06	1
13416 R1N 1143	13	54	9	134		7	3	255	17.03		5	ND	2	55			2	619	.05	.372	5	30	.07	380	.02	8	.48	.01	.12	1
13416 R1N 1144	7	77	9	2184		81	14	266	13.38		5	ND	3	47			2	26	.03	.033	11	1	.32	2369	.01	9	1.05	.01	.15	12
13416 R1N 1146	38	64	15	1618		68	151	2824	8.22		13	ND	3	184			2	150	.11	.100	6	32	.21	501	.01	10	.78	.01	.20	9
13416 R1N 1147	32	235	52	4226		91	7	213	46.75		5	ND	1	27			24	314	.01	.152	2	6	.24	613	.01	5	.93	.01	.01	24
13416 R1N 1149	1	62	5	566		48	16	23788	32.24		5	ND	1	251			20	50	.65	.194	2	1	2.09	540	.01	5	.35	.03	.04	1
13416 R1N 1150	8	176	25	714		31	16	2468	45.60		5	ND	1	91			23	57	.01	.170	2	10	.03	192	.01	6	.27	.01	.01	4
13416 R1N 1151	15	374	7	250		2	4	139	40.70		5	ND	1	11			6	28	134	.01	.053	2	4	.01	113	.01	6	.55	.01	.04	2
13416 R1N 1155	6	150	12	182		43	5	146	6.98		5	ND	1	77			5	2	45	.02	.041	2	26	.02	2532	.01	2	.52	.01	.02	1
13416 S1N 51	4	26	23	197		30	8	164	2.86		5	ND	1	27			6	2	21	.10	.034	4	1	.07	367	.01	2	.34	.01	.05	1
13416 S1N 52	20	80	14	111		14	4	144	9.55		7	ND	1	153			33	2	93	.09	.187	5	10	.05	132	.01	11	.49	.01	.09	1
13416 S1N 117	11	145	13	309		44	20	332	3.57		6	ND	2	90			16	2	42	.07	.088	5	1	.09	803	.01	5	.88	.01	.06	1
13416 S1N 118	9	57	15	190		27	8	181	3.19		5	ND	2	75			10	2	35	.07	.072	7	1	.14	880	.01	3	.65	.01	.05	1
13416 S1N 1110	6	119	17	225		46	24	723	3.05		5	ND	2	57			4	2	27	.08	.096	6	10	.17	370	.01	3	3.19	.01	.05	1
RE 13416 S1N 51	4	28	24	200		31	8	175	2.97		5	ND	1	27			7	2	21	.10	.034	5	1	.07	381	.01	2	.38	.01	.05	1
13416 S1N 1111	7	87	14	762		93	35	989	3.34		5	ND	2	75			4	2	28	.16	.074	9	8	.29	651	.01	2	1.16	.01	.06	4
13416 S1N 1112	4	43	18	634		96	17	632	3.81		5	ND	2	65			3	2	26	.23	.072	9	11	.34	486	.01	2	.96	.01	.06	3
13416 S1N 1113	5	298	5	246		80	47	2075	19.14		5	ND	2	29			3	4	13	.03	.054	2	39	.08	47	.01	3	4.22	.01	.02	1
13416 S1N 1115	3	34	12	422		63	47	1801	18.03		5	ND	1	70			7	2	17	.26	.059	5	9	.33	394	.01	3	.70	.01	.07	1
13416 S1N 1116	1	12	3	20		7	1	28	.16		5	ND	1	2			2	2	.01	.010	2	1	.01	58	.01	9	.12	.01	.01	1
13416 S1N 1117	31	28	6	82		12	3	64	18.18		5	ND	1	15			2	285	.02	.565	4	10	.03	160	.01	4	.64	.01	.05	1
13416 S1N 1118	10	8	14	29		6	2	60	9.38		5	ND	1	41			2	103	.02	.549	11	7	.08	392	.01	2	.52	.01	.06	1
13416 S1N 1119	29	6	3	21		4	3	83	25.30		5	ND	1	7			5	195	.01	.551	2	6	.02	77	.01	5	.23	.01	.04	1
13416 S1N 1120	38	1	2	51		2	3	126	44.26		5	ND	1	2			24	386	.01	.545	2	5	.01	22	.01	5	.21	.01	.01	1
13416 S1N 1121	77	17	10	29		5	2	70	19.84		5	ND	1	6			2	337	.02	.552	2	6	.01	53	.01	4	.25	.01	.02	1
STANDARD C	18	63	38	133		71	31	1039	3.91		17	7	37	52			18	55	.48	.080	37	59	.87	178	.09	31	1.90	.06	.15	13

Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
13416 S1N 1122	15	36	18	122	[illegible]	17	6	201	2.21	[illegible]	5	ND	1	83	[illegible]	16	2	59	.05	.080	11	9	.05	822	.01	2	.62	.01	.06	1
13416 S1N 1123	17	50	14	165	[illegible]	23	6	218	4.46	[illegible]	5	ND	2	97	[illegible]	22	2	80	.14	.112	12	20	.19	652	.02	3	.85	.01	.07	1
13416 S1N 1128	5	26	18	148	[illegible]	50	15	1045	4.15	[illegible]	5	ND	4	34	[illegible]	3	2	27	.40	.107	5	27	.71	219	.01	3	1.75	.01	.07	1
RE 13416 S1N 1135	13	64	11	98	[illegible]	24	5	152	3.03	[illegible]	5	ND	1	113	.2	13	2	60	.14	.147	8	13	.15	1042	.01	8	.79	.01	.04	1
13416 S1N 1129	3	22	14	113	[illegible]	37	11	497	3.18	[illegible]	5	ND	3	34	.2	2	2	22	.41	.103	5	22	.64	198	.01	2	1.35	.01	.05	1
13416 S1N 1130	3	16	17	107	.1	39	12	476	3.40	[illegible]	5	ND	4	24	.2	2	2	18	.45	.103	4	24	.70	101	.01	2	1.38	.01	.06	1
13416 S1N 1131	6	27	15	124	.2	43	13	632	3.61	[illegible]	5	ND	4	22	.3	3	2	19	.47	.109	6	23	.72	91	.01	2	1.40	.01	.06	1
13416 S1N 1132	3	24	15	119	.1	44	13	867	3.75	[illegible]	5	ND	4	27	.2	2	2	20	.55	.096	5	25	.70	118	.01	2	1.54	.01	.07	1
13416 S1N 1135	12	67	11	104	[illegible]	24	5	136	3.00	[illegible]	5	ND	1	132	.2	13	2	62	.17	.152	8	13	.15	1126	.01	8	.77	.01	.04	1
13416 S1N 1136	13	47	10	114	[illegible]	13	4	188	3.24	[illegible]	5	ND	2	107	.2	16	2	53	.12	.109	6	10	.11	714	.02	2	.53	.01	.06	1
13416 S1N 1137	9	34	5	112	.6	24	4	119	34.17	[illegible]	5	ND	5	55	[illegible]	29	2	26	.09	.070	2	6	.05	121	.01	7	.37	.01	.04	1
13416 S1N 1139	25	62	12	183	[illegible]	17	3	127	5.79	[illegible]	5	ND	3	166	.9	41	2	117	.13	.179	7	14	.08	723	.01	4	.51	.01	.09	1
13416 S1N 1140	15	82	14	171	[illegible]	25	7	273	4.14	[illegible]	5	ND	2	165	.3	21	2	62	.13	.157	8	15	.14	1273	.01	3	.81	.01	.05	1
13416 S1N 1141	12	[illegible]	4	735	[illegible]	47	6	55	36.39	[illegible]	5	ND	5	38	[illegible]	30	2	133	.02	.158	5	13	.02	843	.01	4	.44	.01	.04	1
13416 S1N 1144	67	[illegible]	14	229	[illegible]	19	9	219	14.33	[illegible]	7	ND	5	120	[illegible]	115	2	162	.06	.242	9	21	.11	98	.01	4	.78	.01	.11	1
13416 S1N 1145	96	[illegible]	2	3855	.3	65	10	134	48.67	[illegible]	85	ND	6	124	[illegible]	101	2	81	.25	.371	2	10	.02	103	.01	2	.46	.01	.02	1
13416 S1N 1148	21	[illegible]	12	261	[illegible]	45	7	182	11.91	[illegible]	9	ND	4	119	[illegible]	38	2	63	.11	.254	6	15	.05	444	.01	44	3.53	.01	.06	1
13416 S1N 1148 (DUP)	19	[illegible]	9	156	[illegible]	33	5	118	8.37	[illegible]	5	ND	3	139	[illegible]	35	2	70	.11	.207	5	15	.04	499	.01	7	2.91	.01	.07	1
13416 S1N 1152	5	[illegible]	2	154	.6	2	3	27	46.94	[illegible]	5	ND	6	15	.8	7	2	53	.01	.053	2	6	.01	113	.01	3	.60	.01	.02	1
13416 S1N 1153	4	[illegible]	32	270	.1	67	32	1772	8.45	[illegible]	5	ND	7	25	[illegible]	11	2	21	.13	.083	30	11	.21	439	.01	2	1.88	.01	.08	1
13416 S1N 1154	2	[illegible]	11	277	.3	81	45	1482	3.14	[illegible]	5	ND	2	40	.9	4	2	24	.07	.058	6	23	.32	81	.01	3	6.09	.01	.04	1
13416 S1N 1156	2	[illegible]	15	351	.4	101	44	1354	3.81	[illegible]	5	ND	2	52	.9	6	2	20	.04	.052	6	23	.36	368	.01	6	3.57	.01	.03	1
13416 S1N 1157	4	[illegible]	13	391	.5	81	12	556	4.64	[illegible]	5	ND	3	103	[illegible]	10	2	30	.13	.061	8	22	.30	1264	.01	8	.94	.01	.05	1
13416 S1N 1158	10	71	4	47	[illegible]	9	5	199	37.12	[illegible]	5	ND	5	52	.3	37	2	20	.02	.055	2	8	.02	52	.01	8	.49	.01	.05	1
13416 S1N 1159	2	77	2	89	[illegible]	5	4	31	44.04	[illegible]	5	ND	6	20	.7	23	2	25	.01	.034	2	8	.03	67	.01	6	.37	.01	.04	1
13416 S1N 1160	2	99	15	474	.3	67	13	637	5.16	[illegible]	5	ND	2	46	3.2	9	2	24	.16	.053	8	23	.40	1055	.01	4	.96	.01	.06	1
STANDARD C	18	57	37	125	7.3	69	31	1010	3.93	[illegible]	18	7	37	53	18.4	17	18	56	.48	.088	37	57	.84	172	.09	34	1.88	.06	.15	11

Samples beginning 'RE' are duplicate samples.

INTERNATIONAL PLASMA LABORATORY LTD

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iPL Report: 9200817 T Northern Analytical Laboratories In: Sep 25, 1992 Page 1 of 2 Section 1 of 1
Project: N/O 13772 Out: Sep 28, 1992 50 Pulp Certified BC Assayer David Chiu

Sample Name			Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
75 CRK		P	<	38	13	158	23	9	<	4	<	<	0.7	12	34	548	<	17	38	299	16	63	2	2	0.01	0.92	0.71	3.52	0.67	0.08	0.02	0.30
2G 12		P	0.3	102	46	1213	12	9	<	2	<	<	13.8	71	446	60	<	135	28	252	7	32	3	2	0.16	0.91	0.72	3.96	1.04	0.08	0.02	0.22
2G 17		P	0.4	19	80	418	198	31	3	5	<	<	10.6	10	37	661	<	116	67	1782	12	71	6	6	<	0.29	13.08	3.64	7.42	0.03	0.01	0.11
2G 18		P	0.4	35	380	341	16	11	<	2	<	<	2.1	5	31	157	<	47	4	100	3	6	2	2	<	0.13	0.10	0.96	0.06	0.06	0.01	0.01
2G 19		P	0.8	274	25	27	<	<	<	3	<	<	<	86	274	7	<	33	28	83	2	53	8	2	0.25	0.44	0.91	8.44	0.23	0.05	0.02	0.17
2G 110		P	0.3	11	28	76	35	7	<	2	<	<	<	9	7	81	<	59	28	245	6	25	3	5	0.13	1.10	0.24	4.29	0.89	0.05	0.04	0.09
2G 111		P	0.5	47	99	255	34	<	<	5	<	<	<	9	7	121	<	21	23	196	8	19	5	8	<	0.59	0.01	8.50	0.46	0.12	0.02	0.14
2G 112		P	0.9	35	132	143	38	<	<	6	<	5	<	4	6	192	<	24	26	141	16	29	4	7	<	0.81	0.01	9.37	0.21	0.25	0.04	0.14
2G 113		P	3.3	81	163	167	29	<	<	5	<	4	0.7	4	20	<	<	88	13	111	<	4	3	1	<	0.14	0.02	9.63	0.01	0.04	0.01	0.01
2G 114		P	1.1	78	60	438	48	9	<	13	<	<	4.3	16	69	420	<	29	39	641	16	32	1	2	0.03	1.05	0.31	3.91	0.64	0.07	0.01	0.13
2G 120		P	0.3	38	17	83	<	6	<	25	<	<	<	5	21	567	<	52	20	115	4	82	5	1	0.18	0.43	0.61	4.50	0.09	<	0.02	0.10
2G 122		P	0.3	229	44	370	9	6	<	2	<	<	3.5	13	56	372	<	87	56	279	3	4	6	3	<	1.45	0.15	3.66	1.26	0.13	0.01	0.05
2G 125		P	3.0	236	7990	7746	<	25	9	6	<	<	49.6	34	96	88	<	104	56	5047	8	106	6	6	0.04	0.41	11.06	4.88	5.46	0.01	0.02	0.09
2G 126		P	6.8	293	3351	3529	<	9	<	3	<	<	27.7	23	30	126	<	67	23	2151	5	39	3	2	0.13	0.49	1.68	1.41	0.42	<	0.01	0.22
2G 128		P	0.1	114	33	265	9	<	<	2	<	<	1.5	49	100	276	<	43	16	830	<	5	3	1	0.03	0.45	0.22	1.02	0.29	0.03	0.01	0.02
2G 129		P	0.3	27	30	111	17	13	<	6	<	<	0.9	1	20	167	<	11	24	31	2	82	2	<	<	0.08	0.08	1.38	0.04	0.16	0.01	0.08
2G 130		P	0.9	27	325	144	38	9	<	4	<	<	0.6	12	10	3	<	68	15	359	<	20	2	3	0.09	0.92	0.38	6.25	0.77	0.01	0.02	0.04
2G 131		P	0.2	24	46	227	16	7	<	3	<	<	0.6	20	10	27	<	33	24	874	17	73	5	14	<	0.82	3.16	3.79	1.09	0.17	0.04	0.30
2N 101		P	<	38	14	31	6	6	<	3	<	<	0.2	5	12	58	<	107	6	444	4	7	1	1	<	0.45	0.10	1.32	0.26	0.05	0.02	0.02
2N 102		P	0.2	29	10	128	11	<	<	2	<	<	1.0	8	28	847	<	13	34	494	9	53	2	2	0.01	0.66	0.50	1.90	0.35	0.08	0.02	0.12
2N 103		P	0.3	35	14	120	14	<	<	3	<	<	0.5	10	28	438	<	13	30	338	14	47	1	2	0.01	0.80	0.67	2.49	0.53	0.08	0.02	0.17
2N 104		P	0.2	24	10	103	9	<	<	2	<	<	0.7	7	22	421	<	12	26	500	8	70	1	2	0.01	0.67	0.72	1.66	0.38	0.06	0.02	0.10
2N 106		P	0.7	53	10	384	23	9	<	7	<	<	3.0	13	63	966	<	15	40	492	8	62	1	2	<	0.65	0.38	2.71	0.31	0.05	0.01	0.12
2N 107		P	0.5	46	12	172	13	6	<	3	<	<	1.6	7	26	526	<	10	31	324	11	82	2	2	<	0.60	1.03	1.73	0.36	0.08	0.02	0.19
2N 108		P	0.2	29	9	222	11	5	<	2	<	<	1.6	7	31	575	<	10	28	508	17	66	1	1	0.01	0.56	0.70	1.83	0.29	0.07	0.02	0.20
2N 109		P	0.4	41	7	207	19	7	<	4	<	<	1.2	8	43	657	<	13	33	360	9	53	<	2	0.01	0.62	0.45	2.31	0.27	0.06	0.01	0.11
2N 1010		P	0.2	35	12	122	14	5	<	3	<	<	0.6	10	28	492	<	13	32	349	14	48	1	2	0.01	0.80	0.63	2.41	0.50	0.09	0.02	0.16
2N 1011		P	0.2	39	11	124	17	7	<	3	<	<	0.5	11	30	447	<	13	30	389	14	46	2	2	0.01	0.79	0.66	2.53	0.52	0.08	0.02	0.19
2N 1012		P	0.2	45	17	123	12	<	<	3	<	<	0.7	13	34	413	<	14	33	515	13	41	1	2	0.01	0.90	0.56	2.70	0.56	0.09	0.02	0.15
2N 1013		P	<	20	11	36	<	5	<	4	<	<	<	5	9	53	<	108	20	354	4	43	1	2	<	0.80	0.54	2.44	0.61	0.04	0.01	0.06
2N 1014		P	<	117	<	28	<	6	<	4	<	<	0.1	3	11	44	<	98	14	214	3	63	5	1	<	0.38	1.42	1.01	0.48	0.03	0.02	0.02
2N 1015		P	0.3	33	13	121	12	<	<	3	<	<	0.6	9	27	565	<	13	31	335	12	56	2	2	0.01	0.79	0.73	2.31	0.49	0.08	0.02	0.16
2N 1016		P	0.2	49	17	135	23	5	<	4	<	<	0.8	13	37	539	<	14	34	548	15	52	2	2	0.01	0.85	0.77	2.71	0.54	0.09	0.02	0.19
2N 1017		P	<	14	47	54	176	5	<	2	<	<	0.2	1	3	98	<	51	4	209	2	29	7	<	<	0.45	0.35	0.67	0.13	0.23	0.03	0.02
2N 1018		P	0.4	40	15	102	23	9	<	9	<	<	0.2	10	25	792	<	14	49	375	11	88	1	1	0.01	0.61	0.08	3.53	0.11	0.10	0.01	0.08
2N 1019		P	0.5	81	15	538	21	<	<	6	<	<	2.5	23	153	1296	<	15	41	2397	8	89	1	2	0.01	1.07	0.15	2.70	0.28	0.05	0.02	0.08
2N 1020		P	0.2	22	10	132	6	<	<	1	<	<	0.9	5	23	515	<	12	34	279	9	53	2	2	0.01	0.74	0.64	1.46	0.36	0.06	0.02	0.11
2SG 115		P	1.5	92	58	819	79	12	<	11	<	<	5.7	13	135	1443	<	35	53	378	13	56	1	1	0.01	0.48	0.39	3.14	0.26	0.03	0.01	0.18
2SG 116		P	0.5	208	42	1051	29	7	<	10	<	<	9.1	64	206	298	<	31	47	2391	20	21	2	2	0.02	1.49	0.32	3.81	0.62	0.03	0.01	0.13
Min Limit			0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	99.99	99.99	99.99	9.99	9.99	5.00	5.00
Method			ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 Z=Estimate % Max=No Estimate

WITHDRAWN LAND

CANDY CLAIMS

RED CLAIM

CARIBOU CLAIMS

CAN CLAIMS

FLOWER CLAIMS

JANE CLAIMS (EXPIRED)

PLEASURE CLAIMS (EXPIRED)

STRIKE CLAIMS (owned by Kennecott)

TAGOWERITE (BARIUM - PHOSPHATE) OCCURRENCE

CABIN

Withdrawn land

Withdrawn land

PLEASANT LAKE

SWAN LAKE

PLEASANT CREEK

63°40'

63°40'

68°35'

68°35'

133°00'

LEGEND

CRETACEOUS

Kp — rhyolite, quartz - feldspar porphyry

LATE DEVONIAN TO MID MISSISSIPPIAN

uDcg — LOWER EARN GROUP: grey chert pebble conglomerate

ORDOVICIAN - EARLY DEVONIAN

OSDR — ROAD RIVER GROUP (may be in part EARN GROUP): grey to black shales, graptolitic shales, graphitic shales, silty limestone and chert

SYMBOLS

- outcrop
- strike and dip
- G — Gossan
- fault
- rock sample site
- soil sample site
- stream sediment sample site
- pan concentrate sample site
- creek, pond, lake
- 3500 — elevation contour, interval 500 ft.
- claim boundary
- Red 1 — claim name & number
- (81 8017) — grant number

Note: adapted from D.I.A.N.D. map sheet 105N/10 and 105N/11

R. BERDAHL

D'OR AZTEC PROJECT

GEOLOGY AND GEOCHEMISTRY

Aurum Geological Consultants Inc.		Dec., 1992	
NTS 105N/10 & N/11	Drawn By: R.W.H. & R.B.	Scale 1:31,680	Figure 2