Prospecting and Geochemical Report

Hope 1-11

YB48348 - YB48358

Dawson Mining District

NTS 115P/14

Latitude 63°59' Longitude 137°15'

By:
Ron Berdahl
Box 5664
Whitehorse, YT Y1A 5L5

For work performed
Between
May 16 - 26, 1994

Claims Owned By:

R.S. Berdahl and Martin Knutson
c/o P.O. Box 5664
Whitehorse, Yukon Y1A 5L5
December 1994

093471

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Summary

Two mineral showings (Zetta and Omega) discovered by Noranda in 1981 after follow-up of a regional geochemical survey, an argentiferous quartz-tourmaline greisen deposit was discovered. The deposit lies along the boundary of cretaceous multi-phase syenite intrusion and Ordovician sediments and metasediments. Drilling by Noranda (10 holes) in 1987 and Danra Resources (4 holes) in 1988, revealed a greisen zone along a northeast trending fault.

Two lapsed mineral properties with small mineral inventories were investigated during the 1994 season. Both deposits lie along the boundary of cretaceous multi-phase syenite intrusions and Ordovician sediments. Both were staked as Hope 1-11 claims. The Zetta is an argentiferous quartz-tourmaline greisen. The omega is a bedded barite deposit. Both were discovered in 1981 following regional geochemical survey follow-up.

The Zetta drilling by Noranda (10 holes) in 1987 and Danra Resources (4 holes) in 1988, revealed a greisen zone along a northeast trending fault.

The near vertical system has been traced along the strike for 260 metres and to a depth of 75 metres. A mineral inventory of 50,000 tonnes grading 13 opt Ag was outlined by the initial 10 drill holes. The zone is open at depth. Assay data suggests that the near surface portions of the vein has been heavily leached.

The Omega drilling by a joint venture (6 holes) in 1985 revealed a fault-bounded barite resource of 30,000 tons of barite of grades to 88 percent.

In 1994, work consisted of follow-up prospecting in order to delineate extensions of the Zetta zone and locate new mineralized structures along the geologic contacts. Several new anomalous zones were discovered. One showing (RP142) which assayed 200 ppm Ag 1.3 percent Pb>, 663 ppm As and 230 ppm Sb may extend the Gash structure.

One kilometre to the southwest, the Awesome Creek cirque is the apparent source of anomalous quartz/tourmaline greisen mineralization (6.5 ppm Ag, 1.4% As, 1656 ppm Cu R4P1416).

1.0 Access and Location

The Zetta project is situated 110 km (66 miles) to the east of Dawson, Yukon at 63°59' north latitude and 137°17'30" west longitude. The Klondike Highway is approximately 35 kilometres (21 miles) to the southwest of the property. Clear Lake Road is situated about 20 kilometres (12 miles) to the southwest. Four kilometres (2.5 miles) to the north of the property is a winter cat trail along the Ross Creek Valley. The cat trail terminates at the barite deposit on Hope #9 and #10 (approximately, 5 kilometres east of the Zetta showing).

The four claim blocks are located in mountainous terrain within the Syenite Range and are best reached by helicopter from Barlow Dome on the Clear Creek Road, 20 kilometres (12 miles) to the southwest. Appendice "A" is a general location map of the property.

2.0 History

Silt sampling was initially undertaken in the area by Mattagami Lake Exploration Co. Ltd., in 1980 (Metcalf, 1980-Biczok, 1980). A significant arsenic anomaly of 200 ppm in a background of 2 ppm in the silt analysis prompted a return in 1981 to undertake follow-up sampling (Biczok, 1982). Additional silt sampling in 1982, together with detailed prospecting, located other arsenic anomalies and identified a possible source. (Jago, 1982).

Trenching and geological mapping identified greisen-type mineralization in altered quartzite float, (Jago, 1984). In 1983, trenching and stripping located outcrops with tourmaline-quartz sulphide mineralization. The best geo-chemical results gave 13 ounces per ton in silver.

In 1983, 40 claims, numbered 1-40, were staked on the Dawson Silver Prospect by Noranda Exploration Company Limited, and 44 additional claims, numbered 41-84 were staked in 1984. This same year Noranda established a grid, and performed detailed and reconnaissance geological mapping, follow-up prospecting, trenching, soil sampling, a VLF electromagnetic survey, and 10 diamond drill holes for a total of 883 metres (2897 feet).

The results of this initial exploration program are significant. A 10-30 metre (33-98 feet) wide alteration zone containing important silver values was found and drill-tested along a strike length of 260 metres (850 feet) to a depth of 75 metres (250 feet).

In 1986, Noranda Exploration Company Limited, optioned the claims to Danra Resources Limited.

Danra drilled four holes in 1988 totalling 608.68 metres on the main Zetta zone. Hole #88-1 cut 3.2 m of 88.25 opt Ag @ 105.7m.

The barite deposit on Hope 9 and 10 were staked as Omega cl (YA65102) in July 1982 by Mattagami Lake ML and transferred to Noranda, which performed mapping and geochem and VLF EM surveys in 1983. In 1985, Technifluids L added more claims and performed gravity and geochem sampling, bulldozer trenching, drilled 7 holes (333 m) and studied the feasibility of barite production in a joint venture. (Minfile, 1994)

3.0 Physiography and Vegetation

The Syenite Range compromise rugged mountains rising to nearly 6300 feet from the valley bottom's elevation of 2600 feet. The area comprises a portion of the headwaters of the South Klondike River, Ross Cree and Lost Horses Creek.

Typical alpine vegetation exists above approximately 4500 feet. Below this is a typical northern boreal forest dominated by spruce (ssp) in the overstory and willow and dwarf birch in the understory, or just above treeline.

4.0 Geology

4.1 Regional Geology

The Zetta and Omega prospects are underlain by the Paleozoic Road River Formation, which consists of clastic and chemical sedimentary rocks of Ordovician age. These sedimentary rocks have been subjected to multi-phase plutonic intrusions of Cretaceous age monozonite to syenite. This Cretaceous pluton forms part of a 600+ kilometre (370+ mile) belt of mineralized stocks, plugs and dyke swarms that stretch from MacMillan Pass in the east to Dawson City, Yukon, in the west. Significant mineralization consisting of lead, zinc, silver, gold, tungsten, molybdenite, tin and antimony have been found associated with Cretaceous intrusions throughout this belt.

4.2 Zetta Geology

The Zetta mineralization tend toward the intrusive sediment/contact. This contact aureole is the result of the intrusion metamorphism of the Lost Horses Cretaceous syenite pluton into Ordovician sedimentary rocks. The contact is fractured and bleached with a light colour, vuggy appearance and gritty texture. It is irregularly faulted and also has several

sub-parallel faults, some of which are mineralized. They strike between 60° and 900 azimuth. (Gallow, 1988)

The effect of the intrusion and resultant contact metamorphism has changed the rocks into a highly fractured and hornsfelsed condition. A secondary biotite was moderately developed (Jago, 1984). Pyrite and arsenopyrite occur along the contact resulting in a rusty, weathered appearance. Tourmaline, Muscovite, and very strong zones of bleached and sulphide mineralization occur along the contact. The sulphide minerals weather from a dull to bright green with yellow stain along joint planes and exposed surfaces>

According to Jago (1984), rock fragments are occasionally cemented together by the sulphide to form "arsenite-quartzite fault breccia."

Jago (1984) developed a "Table of Formations" for the geology in the Zetta Prospect grid area, which is found in Appendix "B".

4.3 Omega Geology

Two bedded barite occurrences have been located in a sequence of quartzite, slate, sandstone, shale and conglomerate of the Devono-Mississippian Earn Group. Small Cretaceous syenite plutons outcrop 1.5 kilometres to the southwest and 2 to 4 kilometres in the northeast.

The main occurrence was tested with 6 drill holes and consists of finely laminated barite bed containing minor argillite interbeds. It is overlain by black graphitic argillite and underlain by a thin bedded mixture of barite, limestone and witherite. The bed ranges in true thickness from 4.9 to 38 m and is faulted off along strike and at depth. Drilling has outlined reserves of 30,000 tonnes. Because of the argillite interbeds, grade is variable (up to 88%) and some upgrading may be required before shipping. (Minfile, 1994).

5.0 Mineralization

5.1 Zetta Property (Hope 1-8 & 11)

The original exploration work undertaken on the Zetta project has outlined a structurally-controlled zone, 10-30 metres (33-98) feet wide, of kaolinite, hematite, limonite and talc alteration containing significant quartz-tourmaline greisen vein mineralization.

The mineralization essentially consists of: (1) stratiform barite, and (2) fractured, silver-bearing, tourmaline greisen vein and sulphide alteration zone. (Gallow, 1988)

(1) Barite: Stratiform barite has been mapped only in a cursory fashion. The prospecting and mapping of the barite has been defined by the discovery of two sites of "light-orange weathering, white, finely interlaminated barite and chert". (Jago, 1984) Barite found in soil samples coincides with a strong linear Cu, Zn and Ag soil anomaly. The anomaly has been traced for a length of 500 metres (1640 feet).

The 1994 program located a second barite horizon approximately 75 metres north of Noranda occurrence. Values of up to 2172 ppm Ba were obtained. The Ag, Pb, Cu and other values were sub-economic.

(2) Tourmaline Greisen Veins and Alteration: A mineral inventory in the greisen vein and alteration zone is approximately 50,000 tonnes grading 13 oz. Ag/tonne. The drilling indicated "that tourmaline veins are not continuous across the contact into the metasediments (although strong alteration and sporadic mineralization does occur) and that the vein structure is possibly stronger and more highly mineralized with sulphides at depth". (Jago, 1984, p. 35)

Two main mineralized structural zones have been recognized to date. One strikes at azimuth 060° and contains up to three parallel tourmaline-quartz sulphide greisen veins containing silver, antimony and tin. The second zone strikes at 090° azimuth.

The veins of the 060° structure are complex and are up to 1.5 metres (5 feet) in width with semi-continuous veins up to 3 metres (10 feet) in width. Kaolinite alteration that accompanies the veins is as much as 10 times the width of the tourmaline vein.

The 060° azimuth structural zone has been intersected along the strike for 150 metres (500 feet) and has been tested to a vertical depth of 100 metres (330 feet). It is still open vertically and possibly laterally since the alteration is strong.

Another possible structure, evident as a shallow, snow-filled depression, parallels the Zetta structures just south of the drill locations, approximately 100 metres.

A third mineralized structure, the Gash, runs approximately N 45°E. In 1994, mineralization was found along what may be the same structure 1.0 kilometres to the southwest (RP1420 and RP1450).

A quartz feldspar porphyry "dike" (unit 4(g)) parallels the contact, to the south, for a distance of over 2 kilometres and juxtaposes, or includes, greisen mineralization. Samples R4P1413-18 from this unit contain anomalous As (1.4 percent in R4P1416) and in Cu (1656 ppm #16) and Sb (119 ppm #19). Samples containing up to 15 percent sulphides ran 8014 ppm As, but only trace Ag (.9 ppm - R4P1418).

Similar looking griesen mineralization occurs on Pinacle Ridge (Hope 5-8) in an apparent structure perpendicular to the syenite/sediment contact. The sampled material was slightly anomalous in Pb, As and Sb (R4P1435).

5.2 Omega Property (Hope 9 & 10)

Barite reserves at the Omega showing (Hope 9 and 10) have been calculated at 30,000 tonnes grading at up to 88%.

Sulfides may be present in black interbeds of chert argillite and barite on the deposit's margins. Although sulphurous smelling barites/shales/cherts returned sub-anomalous values, except in Strontium (R4P1425-1009 ppm Sr).

6.0 Mineral Inventory

A mineral inventory has been established by Noranda Exploration Co. Ltd., to be approximately 50,000 tonnes grading 13 oz. Ag/tonne. The mineralized zone is open at depth and possibly along strike. Surface leaching has resulted in a reduction in the silver grade from surface to a depth of 30 metres (100 feet), but the alteration continues to down dip, and the silver grades improve dramatically in the deeper, unleached portion of the zone. The structure continues along strike beyond the drill-tested portion. Additional drill testing will be required to prove an adequate tonnage for a viable economic deposit. Initial work in the area has shown that mineralization is associated with topographically defined lineaments.

Hope 9 and 10 covers the Omega Barite occurrence. The barite inventory is estimated at 30,000 tonnes of up to 88% Ba in a faulted-off bed ranging in true thickness from 4.9 to 38 m. Due to argillic interbedding some "upgrading" may be required prior to shipping (Minfile, 1994)

7.0 Methodology

Prospecting priorities were along geologic contacts, especially the intrusive/sedimentary units (map units 4 and 3, respectively) and structures. Most mineralization in the Zetta area can be traced to northeast trending structures. A trench was dug across the apparent contact of intrusions and sediments along Pinacle Ridge (samples D4P1429-34). Overall, approximately 50 rock, soil and stream sediment samples were collected and 35 of these were sent for analysis at NAL in Whitehorse, using 30 element ICP (by IPL of Vancouver) and fire-assay gold.

General prospecting also concentrated north and south along the Gash structure, sampling of sulphide-rich zones in the Omega Barite deposit, along the intrusive contact and in the Awesome Creek cirque.

Panning was carried out on creeks draining the Lost Horses Creek stock in order to help ascertain the potential for Fort Knox-type deposit in the two mica "granite" intrusive.

8.0 Conclusions and Recommendations

The current mineral inventory of the Zetta occurrence stands at 50,000 tonnes grading at 13 opt Ag. The deposit is open, with potentially higher grades at depth. The Omega barite deposit is estimated to contain 30,000 tonnes of up to 88% barite.

In order to increase precious metal inventory, new showings were sought. Mineralization along the "Gash" structure has been extended, intermittently, for over 1 kilometre. As well, post-field season ground photo interpretation revealed a structure parallel and immediately north of the Zetta structure at approximately N 60 E.

Mineralized greisen at the headwaters of Awesome Creek associated with feldspar porphyry dikes are apparently sub-economic.

Trenching across the intrusive/sedimentary contact on Pinacle Ridge, failed to uncover mineralization. No testing of the northeast trending structures along the crest of Pinacle Ridge, within the intrusive, occurred. This structure returned anomalous soil values for Noranda (11 ppm Ag P35371).

No gold was recovered from panning Syenite creek, which drains the "two mica" central core of the Lost Horses Stock. Despite the possible Fort Knox associations (stock age, pathfinder elements, et cetera) the mid-Cretaceous stock is not thought to be a favourable intrusive hosted gold target.

The following recommendations for further work on the Hope Claims/Zetta property are made by the author:

1. Detailed prospecting should be completed along the "Gash" structure extensions, especially near the headwaters of Cyanide Creek (R4_1420). Several trenches should be excavated along the lineament.

2. Tight grid soil samplings, trenching and prospecting should be undertaken on the structure paralleling and immediately south of the Zetta 1 structure.

3. Detailed prospecting should be completed on Pinacle Ridge in the vicinity of Noranda's P-35368-71 soil anomalies. Several trenches should be excavated along the lineament.

4. Noranda's multi-element soil anomaly associated with the barite at the Zetta showing should be followed-up.

5. Drilling of the Zetta showing to extend the showing to the west, and down tip, needs to be completed. Step out drilling on continued 50m intervals is dependent upon the success of the initial phase of drilling.

9.0 Costs

Helicopter: (Trans-North)	1728.83
Vehicle: (Whitehorse/Dawson return 1000 kilometres @ .26/km)	260.00
Labour: (11 days @ $200/day)	2200.00
Per diem: (11 days @ $52.00/day)	572.00
Sample Analysis: (35 rock, soil and stream sediments)	778.43
	5539.26
11 Claims: (5 years @ $100/claim x 11)	5500.00

References

Jago, B. 1984, Assessment Report for Noranda Exploration Inc., Zetta Property #091590.

Hogg, B. 1988, Assessment Report for Danra Resources, Zetta Property #062287.

Gallow, E. 1988, Assessment Report for Danra Resources, Zetta Property #092675

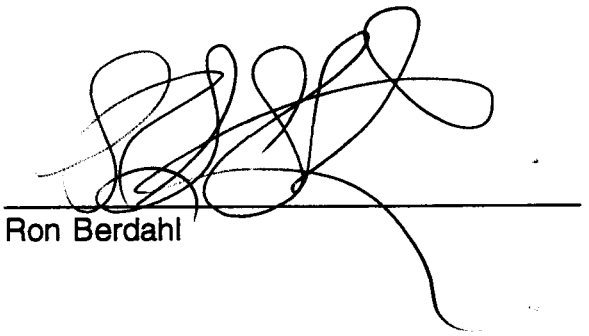
Yukon Minfile, 1994. DIAND Exploration and Geologic Services Division, 115P #045 and #047.

Statement of Qualifications

I, Ron Berdahl, declare that I am an independent prospector who has worked on the Hope_Claims during the 1994 field seasons.

I have taken several courses related to prospecting and make the bulk of my living directly from prospecting.

The data contained herein is true and accurate to the best of my knowledge.



Ron Berdahl

Project Personnel

Personnel	Address	Time Period	Task
R. Berdahl	Whitehorse, YT	June 1994	General Prospecting Minor Trenching Report Writing

APPENDIX "A" LOCATION MAP

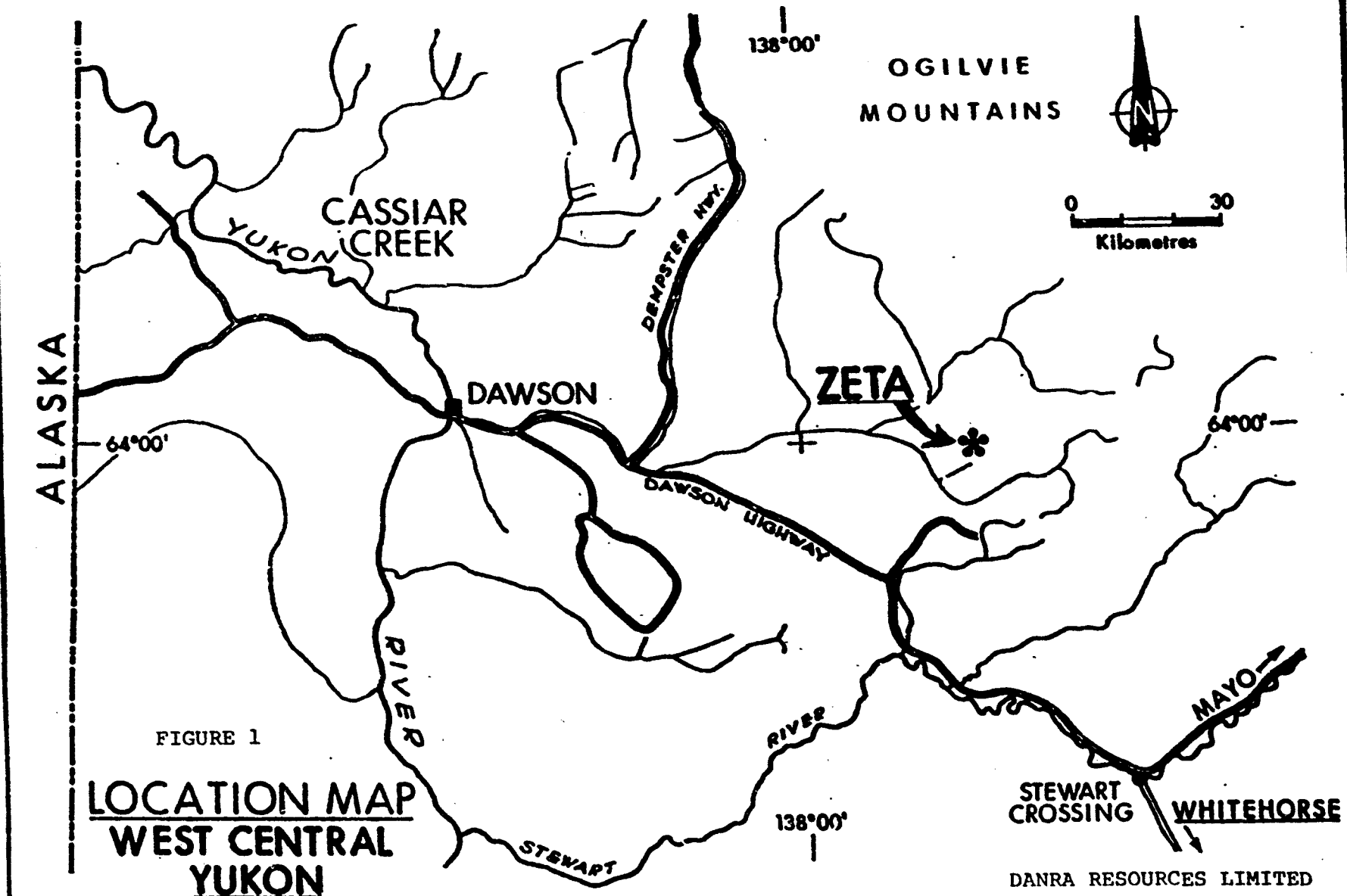


FIGURE 1

LOCATION MAP
WEST CENTRAL YUKON

DANRA RESOURCES LIMITED

APPENDIX "B" TABLE OF FORMATIONS

TABLE ONE: TABLE OF FORMATIONS, SYENITE RANGE MAPPING

LEGEND

CRETACEOUS

4. Lost Horses Stock
   a) Hornblende ± Biotite, K-feldspar-phyric Syenite

---Gradational Contact---

   b) Biotite ± Hornblende, K-feldspar-phyric Syenite
   c) Hornblende ± Biotite, K-feldspar-phyric Quartz-Syenite

---Gradational Contact---

   d) Biotite ± Hornblende, K-feldspar-phyric Quartz-Syenite

---Gradational Contact---

   e) Hornblende ± Biotite + Tourmaline Granite

---Gradational to Intrusive Contact---

   f) Tourmaline-patch (Muscovite) Granite I) Coarse grained
      II) Fine grained

---Intrusive Contact---

   g) Quartz - Feldspar Porphyry
   h) Siliceous Phlogopite ± Quartz Porphyry
   i) Orange-weathering Calcite Fault Gouge

---Intrusive Contact---

ORDOVICIAN (or later?)

3. Clastic Formation
   a) Black shale with siliceous interbeds
   b) Quartzite, minor conglomerate and shale
   c) Green-grey quartzite with a volcaniclastic component
   d) Light clastic Unit 1: Chert pebble conglomerate > quartzite > shale
   e) Black Shale
   f) Light clastic Unit 2: Lithic pebble quartzite > chert pebble conglomerate > beige quartzite
   g) Black clastic Unit: Greywacke > Chert pebble conglomerate and coarse-grained quartzite
   h) Buff sandstone/quartzite
   i) Interbedded black shale and minor quartzite; local laminated barite and phosphatic shale
   j) Black shale with interbedded chert

2. Carbonate Formation
   a) Thinly laminated dolomitic limestone
   b) Highly foliated graphitic schist
   c) Very fine-grained dolomitic quartzite

ORDOVICIAN (or earlier?)

1. "Grit Unit"
   a) Quartzite, slate, phyllite, limestone

APPENDIX "C" GEOLOGY MAP/SAMPLE LOCATIONS

Legend

FROM AR # 091590

B. Jago ; Nora

CRETACEOUS

4. Lost Horses Stock

- a — Hornblende ± Biotite, K-feldspar-phyric Syenite

Gradational Contact

- b — Biotite ± Hornblende, K-feldspar-phyric Syenite
- c — Hornblende ± Biotite, K-feldspar-phyric Quartz-Syenite

Gradational Contact

- d — Biotite ± Hornblende, K-feldspar-phyric Quartz-Syenite

Gradational Contact

- e — Hornblende ± Biotite + Tourmaline Granite

Gradational Contact to Intrusive Contact

- f — Tourmaline-patch (Orbicular?) Granite I) Coarse grained
  II) Fine grained

Intrusive Contact

- g — Quartz + Feldspar Porphyry
- h — Siliceous Phlogopite ± Quartz Porphyry
- i — Orange-weathering Calcite Fault Gouge

Intrusive Contact

ORDOVICIAN (or later?)

3.

- a — Black shale with Siliceous Interbeds
- b — Quartzite, minor conglomerate and shale
- c — Green-grey Quartzite with a volcaniclastic component
- d — Light Clastic Unit 1: Chert pebble conglomerate > Quartzite > Shale
- e — Black Shale
- f — Light Clastic Unit 2: Lithic Pebble Quartzite > Chert Pebble Conglomerate > Beige Quartzite
- g — Black Clastic Unit: Greywacke > Chert Pebble Conglomerate and coarse grained Quartzite
- h — Buff Sandstone/Quartzite
- i — Interbedded Black Shale and minor Quartzite; local laminated Barite and Phosphatic Shale
- j — Black Carbonaceous Shale with interbedded Chert

2.

- a — Thinly Laminated Dolomitic Limestone
- b — Highly Foliated Graphitic Schist
- c — Very fine grained Dolomitic Quartzite

ORDOVICIAN (or earlier?)

1.

- a — Quartzite, Slate, Phyllite, Limestone

Symbols

- Geological contact (Defined, Interpreted/Approximate, Projected from drill hole data)
- Outcrop or Outcrop Area
- Talus, Felsenmeer
- 45 — Bedding (Inclined)
- 75 — Jointing (Inclined)
- 32 — Foliation (Inclined
- 20 — Lineation with plunge
- 45 — Single vein with dip (Accompanied by vein description)
- 70 — Parallel vein (Accompanied by vein description)
- 50 — Fault, fracture or foliation zone (May be associated with a vein or vein system and shown with a vein description)

Vein Gangue	Economic Minerals
Tour - Tourmaline	Sulph - Sulphide
Qtz - Quartz	Gn - Galena
Carb - Carbonate	Ars - Arsenopyrite
Ct - Calcite	Stb - Stibnite
Fl - Flourite	Py - Pyrite

Alteration Minerals

Fe - Iron	Cly - Clay
Lm - Limonite	Tal - Talc
Hm - Hematite	Chl - Chlorite

Telephone Ridge
Awesome Creek
Cyanide Ridge
Arsenic Ridge
Cyanide Creek
Arsenic Creek
ZETA STRUCTURE
Tour-Qtz-Clay-Ars(1-3m) (<3%) (Lm, Kao)
ZETA STRUCTURE 2
Tour-Ars-Py (1-15% comb) (Ars, Rusty)
2-3 sub parallel (~105°) orange-weathering; calcite cemented fault zones.
ZETA 1-84 Claims
Stoneledge
Pinacle Ridge
3x Qtz (Tour-Sulp) (max 3cm) (5-10% Ars, -3% Stib, 1-3% Chalco)
3x Qtz, Ars, Stib, Sph (max 30cm) (15-25%, 5-8%, 3-4%) Lm, Kao
Tour-Qtz (80cm) (Ars-Py-Stib) (10% comb) Lm, Kao
3x Tour-Qtz-Ars-Py-Stib (max 30cm) (10-15%, 5-8%, (2%)) (Lm, Kao)
Qtz-Sulp vein extension
Qtz (Tour) (Ars-Py-Stib) (max 5% comb)
Qtz (Tour-Py-Ars) (30cm) (3-5% comb)
Tour-Qtz (max 1.5m) Ars-Py (max 5-8%) Lm-Kao
Tour-Qtz-Py-Ars (Stib) (1-2m) (10-15%, 10%, 1%) (Tour, Lm, Kao)
2x Tour-Qtz-Py-Ars (20cm) (10-15%)
Lm, Kao (60cm)
Qtz-Py (Ars) (80.5%) Lm, Hm, Kao
Qtz-(Tour) Ars-Py (1-2%)
Qtz-Tour (max 40cm) Py (2%) Lm, Kao
Qtz, Tour (Ars) (<5%)
Qtz-Tour Lm-Kao
Tour-Lm-Kao
Qtz-Tour (50cm) Py (2%) Lm, Kao
Tour, Lm, Kao
Tour (Py-Ars) (<5%-(2%))
4800
4400
3700
5500
4600
98
97
96
95
S
Y
E
N
T
BASE MAP from Noranda AR# 09590
scale 1:10,000
x D, S or R 4P14 x - Sample sites
093471

#1

APPENDIX "D" GEOCHEM RESULTS

SAMPLE DESCRIPTIONS

Example R4P141: Prefix R - Rock Sample

D - Soil Sample

S - Stream Sediment Sample

4 - 1994; P14* - NTS Map Sheet Number - 115P14; 1 - Sample Number

** All Zetta/Hope Samples are P14, ignore other NTS numbers in geochem/assay results.*

Sample #	***Description***
R4P141	Orangish float from a 110° striking fault apparently associated with a porphoritic rhyolite, possible trace sulfides
R4P143	Light colored barite, no bedding evident
R4P144	Dolomitic 'quartz carbonate', possibly argillic alteration
R4P146	Limonitic quartz breccia/pebble conglomerate
R4P148	Orange to reddish quartz carbonate
R4P1412	Red, altered, knobby almost botryoidal quartz with visible sulfides in veinlettes and disseminations
R4P1413	Limonitic quartz tourmaline vein
R4P1414	Altered quartz tourmaline vein, no sulfides
R4P1415	Altered quartz tourmaline with visible sulfides
R4P1416	1" tourmaline vein with sulfides along a megacryst biotite fieldspor porphory
R4P1418	Griesen float
R4P1420	Quartz, tourmaline, altered vein, 1-2 m wide

R4P1423	Tourmaline float, without sulfides
R4P1424	Altered tourmaline (Greisen)
R4P1425	Cherty shale with calcite veinlets, heavy, probably baritic
R4P1426	Orange quartz carbonate
R4P1427	Quartz with amorphous grey material, within sediment/hornsfel
R4P1428	Argillically altered syenite
R4P1435	Altered greissen, not unlike main showing

SOIL DESCRIPTIONS

D4P142	Soil in gossanous felsemer containing borite
D4P144	B horizon soil
D4P145A	B horizon soil
D4P145B	B horizon soil
D4P147	Shale soil sample at quartz/carbonate/shale interface
D4P149	Orange soil sample topographically above #7
D4P1410	B Horizon soil
D4P1411	B Horizon soil
D4P1417	Soil from below altered quartz porphory sub crop
D4P1419	Reddish soil from horn blend/biotite syenite boulder strewn area
D4P1421	Red soil 1km south of #19
S4P1422	Stream sediment sample
D4P1429	From trench across structure

D4P1429-35 From trench across structure near and parallel to contacts

29 Orange brown soil with syenite cobbles - 9"

30 Brown soil with rusty pods over oragios then syenite - 1'

31 Clay at 2½ feet

32 Brown organic rich soil over orgenite

33 Clay soil at 1^{+} under organics

34 Brown clay/soil with syenite rubble

Northern Analytical Laboratories ltd.

22/07/94 Assay Certificate Page 1

Ron Berdahl WO#25272

Sample #	Au ppb
C-1(A)	<5
C-1(B)	<5
C-2	<5
R4D21	7
R4D91	16
R4D92	6
R4D93	10
R4D94	1158
R4D95	<5
R4D97	<5
R4P141	38
R4P143	<5
R4P144	<5
R4P146	<5
R4P148	<5
R4D910	966
R4D911	5
R4D912	<5
R4D913	11
R4D914	30
R4D915	26
R4D916	8
R4D917	<5
R4D919	5
R4D932	<5
R4D937	31
R4D938	11
R4D950	52
R4P1412	23
R4P1413	5
R4P1414 ✓	<5
R4P1415	<5
R4P1416 ✓	<5
R4P1418 ✓	<5
R4P1420	110

Certified by

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Northern Analytical Laboratories ltd.

22/07/94 Assay Certificate

Ron Berdahl WO#25272

Sample #	Au ppb
R4P1428	<5
R4P1425	<5
R4P1426	<5
R4P1428	<5
R4P1435	<5
R4P1450	35
D4D96	36
D4D98	27
S4D99	26
D4P[redacted]	<5
D4[redacted](A)	9
D4P[redacted]	8
D4P147	<5
D4P149	6
D4D918	12
D4P1410	7
D4D920	11
D4D922	<5
S4D923	24
S4D924	146
S4D925	10
S4D926	12
S4D927	29
S4D928	7
S4D929	14
S4D930	6
D4D931	12
D4D933	8
D4D934	9
D4D935	6
D4D936	<5
D4D939	6
D4P[redacted]	7
D4P1417	<5
D4P1419	7

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INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
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Client: Northern Analytical Laboratories iPL: 94G1504 Out: Jul 20, 1994 Page 1 of 3 Section 1 of 1
Project: WO 25272 83 Pulp In: Jul 15, 1994 [032015:26:37:49072094] 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 %
002312	P	1.2	7	109	13	72	56	<	6	<	<	1.1	5	9	37	5	208	5	486	8	5	3	<	<	0.41	0.22	1.17	0.15	0.08	0.03	0.06
002313	P	4.2	361	52	175	66	38	<	9	<	<	0.6	6	27	33	<	263	5	380	6	3	2	<	<	0.55	0.07	1.61	0.03	0.03	0.03	0.01
002314	P	0.2	14	6	6	16	13	<	5	<	<	1.2	44	616	119	<	413	10	1367	<	313	1	3	<	0.06	5.68	3.15	13%	0.01	0.03	<
002315	P	0.1	12	<	50	675	201	<	8	<	<	0.1	37	397	447	<	359	7	328	<	11	1	2	<	0.05	0.41	3.17	7.00	0.01	0.03	<
002316	P	<	5	2	8	62	29	<	5	<	<	1.6	81	0.2%	81	<	573	13	404	<	240	1	3	<	0.05	9.26	3.44	12%	<	0.03	<
C1(A)	P	<	59	4	29	14	<	<	1	<	<	0.1	8	59	38	<	111	37	80	23	30	2	4	0.03	0.70	0.64	1.03	0.34	0.54	0.06	0.21
C1(B)	P	<	67	13	33	14	<	<	1	<	<	0.1	5	49	30	<	68	34	68	28	31	2	4	0.02	0.57	0.79	0.91	0.26	0.46	0.05	0.25
C2	P	0.3	15	<	174	46	<	<	41	<	<	0.5	6	8	159	<	3	88	210	24	155	4	3	0.03	1.14	0.69	11%	0.61	0.30	0.10	0.28
D4D 931	P	0.1	17	7	66	16	<	<	2	<	<	0.3	24	10	304	<	7	64	861	13	18	1	7	<	1.83	0.30	6.04	0.30	0.07	0.03	0.11
D4D 933	P	0.1	29	4	54	8	<	<	1	<	<	0.2	11	40	135	<	69	68	245	10	39	2	2	0.07	1.38	0.73	2.36	1.00	0.05	0.04	0.10
D4D 934	P	<	26	5	50	8	<	<	1	<	<	0.4	9	35	136	<	52	58	295	8	21	<	1	0.03	1.52	0.41	2.51	0.85	0.04	0.03	0.08
D4P1410	P	0.3	62	10	166	30	6	<	6	<	<	0.6	20	56	298	<	22	56	3344	14	29	3	2	0.02	1.11	0.87	13%	0.58	0.09	0.03	0.10
D4P1411	P	<	15	15	93	14	<	<	3	<	<	0.4	9	18	118	<	26	46	351	19	19	1	1	0.06	1.40	0.25	2.53	0.50	0.08	0.03	0.09
DHP 145	P	0.8	55	18	217	33	8	<	6	<	<	1.3	26	55	321	<	28	75	1845	12	19	<	1	0.04	1.82	0.10	4.36	0.40	0.10	0.03	0.19
R4D 21	P	<	17	4	25	503	10	<	7	<	<	0.5	4	16	190	<	223	16	585	<	18	1	1	<	0.21	3.34	1.86	0.11	0.10	0.03	0.01
R4D 91	P	0.2	39	9	47	28	<	<	3	<	<	1.0	9	17	96	<	21	7	864	10	745	5	2	<	0.28	9.33	2.78	1.45	0.17	0.04	0.08
R4D 92	P	0.1	39	23	80	15	<	<	5	<	<	0.6	26	21	157	<	45	151	770	28	241	7	3	0.15	2.38	3.50	5.39	3.04	0.16	0.13	0.45
R4D 93	P	0.3	157	22	106	<	<	<	3	<	<	0.6	21	46	137	<	33	37	831	7	280	2	4	<	0.49	3.37	4.90	2.19	0.26	0.05	0.11
R4D 94	P	<	15	<	18	13	5	<	7	<	<	0.1	4	9	35	<	216	5	247	<	100	<	1	<	0.08	0.99	0.86	0.06	0.03	0.03	0.02
R4D 95	P	<	14	30	29	7	<	<	3	<	<	0.1	3	7	77	<	142	4	143	4	17	3	<	<	0.19	0.10	0.74	0.04	0.05	0.07	0.03
D4D 96	P	0.5	177	17	124	25	<	<	5	<	<	0.6	15	34	47	<	40	74	418	7	13	1	2	0.06	2.36	0.16	7.75	0.89	0.06	0.03	0.13
R4D 97	P	<	60	<	45	15	<	<	4	<	<	0.4	17	74	83	<	181	17	631	3	1187	<	2	<	0.93	15%	2.91	0.57	0.10	0.03	0.01
R4D 910	P	0.8	34	100	92	117	<	<	9	<	<	1.4	11	21	181	<	142	26	742	5	298	3	4	<	0.37	3.46	3.76	0.54	0.11	0.03	0.16
R4D 911	P	<	7	7	31	12	<	<	4	<	<	0.3	5	8	308	<	46	7	1666	10	2036	1	2	<	0.15	17%	1.99	1.20	0.06	0.03	0.07
R4D 912	P	0.1	106	2	83	16	<	<	3	<	<	1.5	29	40	215	<	50	47	828	11	488	4	6	<	0.49	9.39	4.96	2.53	0.15	0.07	0.52
R4D 913	P	12.5	3983	12	231	16	<	<	12	<	<	0.6	48	46	55	<	123	42	203	<	162	2	2	<	1.61	1.49	6.00	1.08	0.03	0.03	0.01
R4D 914	P	31.5	2677	20	217	46	<	<	8	<	<	0.6	57	42	13	<	97	12	34	<	6	2	1	<	0.75	0.05	12%	0.37	0.06	0.03	<
R4D 915	P	3.1	327	12	105	52	<	<	3	<	<	0.8	14	21	87	<	67	16	690	7	16	1	3	<	0.61	0.19	3.93	0.11	0.14	0.07	0.08
R4D 916	P	<	25	<	22	8	<	<	4	<	<	<	3	5	27	<	32	5	1545	4	1275	<	1	<	0.09	25%	1.17	0.33	0.03	0.03	0.01
R4D 917	P	<	106	9	68	9	6	<	3	<	<	0.5	41	95	75	<	447	125	1380	9	400	2	15	0.01	2.58	5.48	5.89	5.05	0.08	0.03	0.29
D4D 918	P	0.5	90	8	158	62	<	<	5	<	<	1.0	38	91	147	<	82	58	960	5	76	1	7	<	2.57	1.49	6.14	1.75	0.09	0.03	0.08
R4D 919	P	0.2	76	4	57	<	<	<	3	<	<	0.3	18	14	17	<	77	108	592	2	30	11	5	0.34	2.23	0.86	4.91	2.21	0.05	0.06	0.05
D4D 920	P	0.1	21	6	65	<	<	<	1	<	<	0.3	10	13	168	<	11	41	348	17	30	2	3	<	2.02	0.88	3.66	0.74	0.09	0.04	0.17
D4D 922	P	0.2	36	6	48	9	<	<	1	<	<	0.3	15	174	92	<	266	58	339	7	12	<	1	0.04	1.69	0.24	2.81	1.96	0.05	0.04	0.07
R4D 932	P	<	14	16	50	13	<	<	6	<	<	0.5	9	13	116	<	158	14	1018	5	53	1	2	<	0.26	0.92	3.32	0.13	0.13	0.05	0.09
D4D 935	P	<	23	9	43	7	<	<	1	<	<	0.1	10	31	155	<	48	62	324	12	26	1	1	0.04	1.86	0.42	2.49	0.82	0.07	0.03	0.11
D4D 936	P	<	21	6	52	<	<	<	2	<	<	0.3	7	30	120	<	53	44	209	7	19	<	<	0.02	1.29	0.37	2.07	0.72	0.04	0.03	0.08
R4D 937	P	<	16	7	25	769	7	<	6	<	<	0.3	8	18	52	<	190	15	685	2	48	1	3	<	0.17	3.30	1.42	0.07	0.07	0.03	0.06
R4D 938	P	7.5	1363	9	246	21	<	<	5	<	<	1.2	4	8	209	<	120	4	123	<	16	1	1	<	0.45	0.70	2.59	0.13	0.10	0.06	0.01
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	9.99	9.99	9.99	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	ICP

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

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Client: Northern Analytical Laboratories iPL: 94G1504 Out: Jul 20, 1994 Page 2 of 3 Section 1 of 1
Project: WO 25272 83 Pulp In: Jul 15, 1994 [032015:26:50:49072094] 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 %
D4D 939	P	0.3	27	7	54	6	<	<	2	<	<	0.3	11	58	86	<	123	50	279	7	12	1	1	0.05	1.88	0.27	2.54	1.15	0.06	0.03	0.09
R4D 950	P	0.1	71	4	16	722	8	<	9	<	<	0.1	3	9	29	<	347	9	300	2	42	<	1	<	0.12	1.10	0.96	0.02	0.06	0.03	0.06
[illegible]	P	78.2	79	1328	84	1682	355	<	28	<	<	5.9	2	4	149	<	158	10	82	9	24	3	1	<	0.36	0.04	1.71	0.05	0.25	0.03	0.03
[illegible]	P	0.5	21	37	334	26	13	<	8	<	<	2.1	18	68	2172	<	35	141	616	10	15	1	2	0.02	1.94	0.42	4.41	0.56	0.04	0.03	0.04
R4P 143	P	0.1	10	2	47	6	<	<	2	<	<	0.3	2	12	1257	<	12	22	62	<	67	1	<	<	0.13	0.34	0.41	0.02	0.01	0.02	0.05
[illegible]	P	<	3	3	72	<	<	<	5	<	<	1.1	3	12	2157	<	14	89	504	<	218	1	<	<	0.10	23%	1.96	7.86	0.01	0.02	<
[illegible]	P	0.3	29	30	158	20	6	<	4	<	<	2.6	8	28	1251	<	25	65	195	9	30	<	<	0.02	1.13	0.25	2.80	0.34	0.08	0.03	0.09
R4P 146	P	0.3	35	2	258	76	15	<	10	<	<	2.8	6	24	1485	<	100	34	120	<	38	1	1	<	0.28	0.14	6.93	0.03	0.02	0.03	0.14
[illegible]	P	0.7	67	15	203	45	56	<	3	<	<	1.5	32	104	234	<	28	51	1340	8	50	4	2	<	0.85	2.47	7.47	0.64	0.07	0.03	0.07
[illegible]	P	<	4	<	21	<	<	<	5	<	<	0.3	3	8	1051	<	14	13	1423	<	267	2	<	<	0.16	17%	5.19	7.61	0.05	0.02	0.01
[illegible]	P	0.3	54	10	125	23	9	<	3	<	<	1.2	19	59	353	<	22	52	2342	14	43	3	2	0.01	1.07	2.78	10%	1.18	0.07	0.03	0.08
[illegible]P1412	P	1.4	51	40	41	54	90	<	10	<	<	0.6	6	8	54	<	190	15	125	21	27	5	1	<	0.53	0.32	3.93	0.06	0.26	0.03	0.16
[illegible]P1413	P	0.2	103	9	18	166	36	<	6	<	<	0.4	11	8	77	<	188	18	363	58	17	6	<	0.01	0.31	0.44	2.15	0.13	0.09	0.04	0.22
[illegible]P1414	P	1.0	746	59	13	1951	353	<	24	<	87	0.7	18	22	27	7	120	43	54	35	10	3	<	<	0.11	0.10	11%	0.02	0.02	0.03	0.12
[illegible]P1415	P	5.4	668	106	30	2543	176	<	10	<	13	0.2	16	18	12	<	190	17	272	28	19	16	<	0.01	0.53	0.53	9.21	0.21	0.14	0.03	0.20
R4P1416	P	6.5	1656	22	68	1.4%	56	<	9	<	47	1.4	15	16	33	<	166	46	191	28	19	7	<	0.12	1.15	0.42	7.62	1.13	0.60	0.04	0.22
D4P1417	P	0.2	22	14	116	308	12	<	3	<	<	0.5	10	15	121	<	37	71	507	25	24	1	<	0.04	1.47	0.22	3.95	0.50	0.08	0.03	0.12
R4P1418	P	0.9	332	17	53	8014	92	<	10	<	<	0.9	11	14	2	<	173	7	183	33	18	4	<	<	0.11	0.45	6.40	0.06	0.02	0.03	0.19
D4P1419	P	0.8	56	29	172	229	119	<	3	<	<	1.1	12	16	128	8	47	77	875	51	49	1	4	0.03	1.91	0.66	4.04	0.75	0.15	0.03	0.19
[illegible]20	P	0.2m	337	13190	727	7663	230	<	30	<	<	35.1	4	7	19	50	159	39	800	19	35	1	<	<	0.25	0.08	9.30	0.03	0.08	0.03	0.12
[illegible]	P	0.6	20	39	192	89	161	<	3	<	<	0.5	9	10	164	6	31	57	1220	117	43	1	3	0.01	2.90	1.00	4.74	0.97	0.16	0.03	0.16
R4P1423	P	8.4	24	877	602	1825	147	<	6	<	<	15.8	4	3	69	<	170	3	107	26	7	3	<	<	0.12	0.16	0.79	0.02	0.04	0.03	0.07
R4P1425	P	1.6	25	87	94	88	<	<	7	<	<	4.9	2	13	2778	<	31	179	36	3	1009	3	<	<	0.05	31%	0.12	1.56	0.02	0.04	0.11
R4P1426	P	<	22	13	41	33	13	<	5	<	<	0.8	19	48	277	<	90	74	1151	13	128	2	5	<	0.67	17%	5.34	0.54	0.09	0.03	0.10
[illegible]	P	0.4	7	61	107	25	5	<	4	<	<	0.9	7	7	399	<	62	28	416	9	98	9	1	<	0.86	1.85	2.74	0.10	0.04	0.03	0.02
[illegible]4P1429	P	0.2	14	32	133	16	<	<	3	<	<	0.3	17	17	162	<	21	52	1388	75	19	3	1	0.04	2.16	0.49	5.07	0.58	0.12	0.04	0.22
[illegible]4P1430	P	0.1	11	14	59	8	<	<	1	<	<	0.4	7	16	108	<	20	41	285	23	11	1	<	0.03	1.52	0.14	2.66	0.43	0.05	0.03	0.07
[illegible]4P1431	P	0.1	8	31	55	14	<	<	2	<	<	0.2	5	9	105	<	14	30	261	27	133	<	<	0.02	0.77	0.11	1.61	0.24	0.03	0.03	0.06
[illegible]4P1432	P	0.2	15	19	78	10	<	<	1	<	<	0.4	7	16	66	<	20	40	318	18	10	<	<	0.03	1.33	0.12	2.62	0.42	0.04	0.03	0.06
[illegible]4P1433	P	<	15	17	79	9	<	<	2	<	<	0.5	11	18	104	<	25	51	467	35	13	1	1	0.04	1.76	0.21	3.15	0.50	0.05	0.03	0.09
[illegible]4P1434	P	<	17	21	73	11	<	<	2	<	<	0.4	11	29	130	<	23	45	375	24	23	1	<	0.06	1.57	0.23	2.78	0.56	0.06	0.04	0.08
[illegible]1435	P	4.3	63	398	404	742	568	<	15	<	<	5.5	4	7	137	<	83	19	264	34	19	4	<	<	0.37	0.51	4.96	0.06	0.09	0.03	0.10
R4P1450	P	0.2m	240	2.3%	341	1.2%	8962	<	7	<	8	0.2m	2	4	<	<	152	8	37	24	30	3	1	<	0.19	0.11	3.00	0.02	0.03	0.03	0.26
S4D 98	P	0.7	69	69	98	55	48	<	1	<	<	1.2	12	50	126	<	79	55	370	11	49	1	1	0.05	1.32	0.96	2.62	1.04	0.07	0.04	0.09
S4D 99	P	0.7	144	19	113	34	7	<	2	<	<	0.6	13	37	136	<	60	50	525	12	119	1	1	0.02	1.75	1.57	2.34	0.83	0.09	0.04	0.18
S4D 923	P	0.2	40	9	84	9	<	<	1	<	<	0.4	12	38	128	<	57	50	672	10	42	1	1	0.05	1.40	0.77	2.42	1.04	0.06	0.04	0.11
S4D 924	P	0.2	20	2	49	10	<	<	1	<	<	0.5	10	31	102	<	47	63	445	8	29	<	<	0.06	1.12	0.49	2.68	0.66	0.04	0.04	0.07
S4D 925	P	<	16	<	48	<	<	<	1	<	<	0.3	8	31	139	<	45	41	390	8	32	1	1	0.06	0.89	0.74	1.83	0.71	0.05	0.05	0.07
S4D 926	P	<	10	<	28	<	<	<	1	<	<	0.1	7	26	94	<	44	45	229	11	21	2	<	0.06	0.71	0.41	1.83	0.57	0.03	0.04	0.06
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	9.99	9.99	9.99	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 %=Estimate % Max=No Estimate

Analytical Laboratories ltd.

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Ron Berdahl WO#25272

Sample #	Au ppb
D4P1421	12
D4P1422	6
D4P1429	<5
D4P1430	<5
D4P1431	7
D4P1432	<5
D4P1433	<5
D4P1434	<5

Certified by

405 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

CERTIFICATE OF ANALYSIS
iPL 94G1504

INTERNATIONAL PLASMA LABORATORY LTD.

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Client: Northern Analytical Laboratories iPL: 94G1504 Out: Jul 20, 1994 Page 3 of 3 Section 1 of 1
Project: WO 25272 83 Pulp In: Jul 15, 1994 [032015:27:03:49072094] 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 %
S4D 927	P	<	11	8	36	17	<	<	1	<	<	0.1	8	26	99	21	49	50	324	14	29	1	1	0.07	0.84	0.55	1.95	0.64	0.04	0.04	0.07
S4D 928	P	<	13	3	48	<	<	<	1	<	<	0.3	9	26	108	<	49	45	487	11	38	1	1	0.07	0.98	0.68	1.83	0.77	0.05	0.04	0.07
S4D 929	P	0.3	50	6	85	11	<	<	2	<	<	0.6	15	46	139	<	68	62	465	7	40	1	1	0.05	1.51	0.92	2.99	1.12	0.07	0.04	0.09
S4D 930	P	<	15	2	50	5	<	<	1	<	<	0.2	8	25	95	<	51	40	291	8	39	1	1	0.06	0.94	0.71	1.56	0.73	0.04	0.04	0.07
S4P1422	P	0.1	17	8	60	5	<	<	2	<	<	<	9	13	124	<	26	43	330	31	20	1	1	0.09	1.07	0.42	1.96	0.49	0.10	0.04	0.14
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	9.99	9.99	9.99	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 %=Estimate % Max=No Estimate