

LOG NO: OCT 29 1991 RD.

ACTION:

FILE NO:

1991 DIAMOND DRILLING REPORT
ON THE
EAGLE PROPERTY
(Eagle 1-7, AL 1-5 Claims)

OMENICA MINING DIVISION

NTS 93 N/2

Latitude : 55°12'
Longitude : 124°52'

NORANDA EXPLORATION COMPANY LIMITED
(no personal liability)

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,762

REPORT BY : Fraser Stewart
: Terry Walker

July 1991

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SUMMARY

The 1991 diamond drill program commenced on June 5 and was completed by June 23. A total of 1483.3 m in 17 holes was drilled during this period. These drill holes tested a variety of coincident magnetic, induced polarization and geochemical anomalies associated with known mineralization on both the Main Grids and Gibson Grids.

Nine of the holes (657.3 m) were drilled on the Gibson Grid to test the recently discovered Gibson Showing and strong multi-element soil geochem and IP anomalies on adjacent lines 200 m on either side of the showing. All holes drilled on the Gibson grid intersected significant sections of intensely clay-sericite-quartz altered and pyrite-galena-sphalerite mineralized volcanics. The most significant assays from these holes are as follows :

- EA-91-01: 9.18 m of 4.34 gpt Au, 224.3 gpt Ag, 0.9% Pb and 0.6% Zn.
- EA-91-02: 5.3 m of 2.59 gpt Au, 122.9 gpt Ag, 0.625% Pb and 1.50% Zn.
- EA-91-03: 1.02 m of 3.63 gpt Au, 494.8 gpt Ag, 1.85% Pb and 1.12% Zn.
- EA-91-04: 0.99 m of 6.41 gpt Au, 252.0 gpt Ag, 0.77% Pb and 1.0% Zn.
- EA-91-05: 4.26 m of 6.77 gpt Au, 1828.8 gpt Ag, 3.34% Pb, 2.69% Zn and 0.27% Cu.
- EA-91-15: Zone 1 - 1.55 m of 2.19 gpt Au, 29.49 gpt Ag, 0.06% Pb and 0.18% Zn. Zone 2 - 2.85 m of 0.62 gpt Au, 20.57 gpt Ag, 0.15% Pb and 0.55% Zn.
- EA-91-17: Zone 1 - 4.1 m of 1.79 gpt Au, 47.72 gpt Ag, 0.53% Pb and 1.09% Zn. Zone 2 - 3.8 m of 1.46 gpt Au, 94.5 gpt Ag, 0.73% Pb and 1.75% Zn.

Eight of the holes (826.0 m) tested the Nighthawk and Vector Showings plus the large moderate to strong chargeability anomaly located on lines 40000N, 40400N and 40800N. The four holes drilled in the Nighthawk and Vector zones intersected significant Cu-Au porphyry style mineralization over moderate widths with visible chalcopyrite ± bornite in sulphide stringers and dissemination ranges from 2-10%. Significant assays from these holes are as follows :

Nighthawk Zone -

- EA-91-06: 27.28 m of 0.87% Cu, 0.32 gpt Au and 3.85 gpt Ag.
- EA-91-07: 15.74 m of 0.69% Cu, 0.20 gpt Au and 2.19 gpt Ag.

Vector Zone -

- EA-91-12: 17.9 m of 0.82% Cu, 0.47 gpt Au and 4.11 gpt Ag.
- EA-91-13: 20.2 m of 0.56% Cu, 0.29 gpt Au and 2.84 gpt Ag.

The other four holes were drilled to test coincident magnetic and IP anomalies in the general area of the Nighthawk Zone. These holes intersected intense magnetite-biotite altered mafic diorite with trace chalcopyrite, bornite and 1% pyrite. These holes tend to indicate strong contributions to the IP response from the pervasive magnetite flooding.

INTRODUCTION :

The 1991 drill program consisted of nine holes on the Gibson Grid and eight holes on the Main Grid. The eight holes drilled on the main grid were designed to evaluate a large coincident IP chargeability and magnetic anomaly flanking the known Cu-Au porphyry mineralization at the Nighthawk and Vector Showings and the showings themselves. The nine holes on the Gibson grid were designed to evaluate the coincident IP chargeability anomaly and Pb-Zn-Au-Ag mineralization encountered at the Gibson Showing, and the coincident multi-element geochemical and IP anomalies on the lines 200 m north and south of the showing.

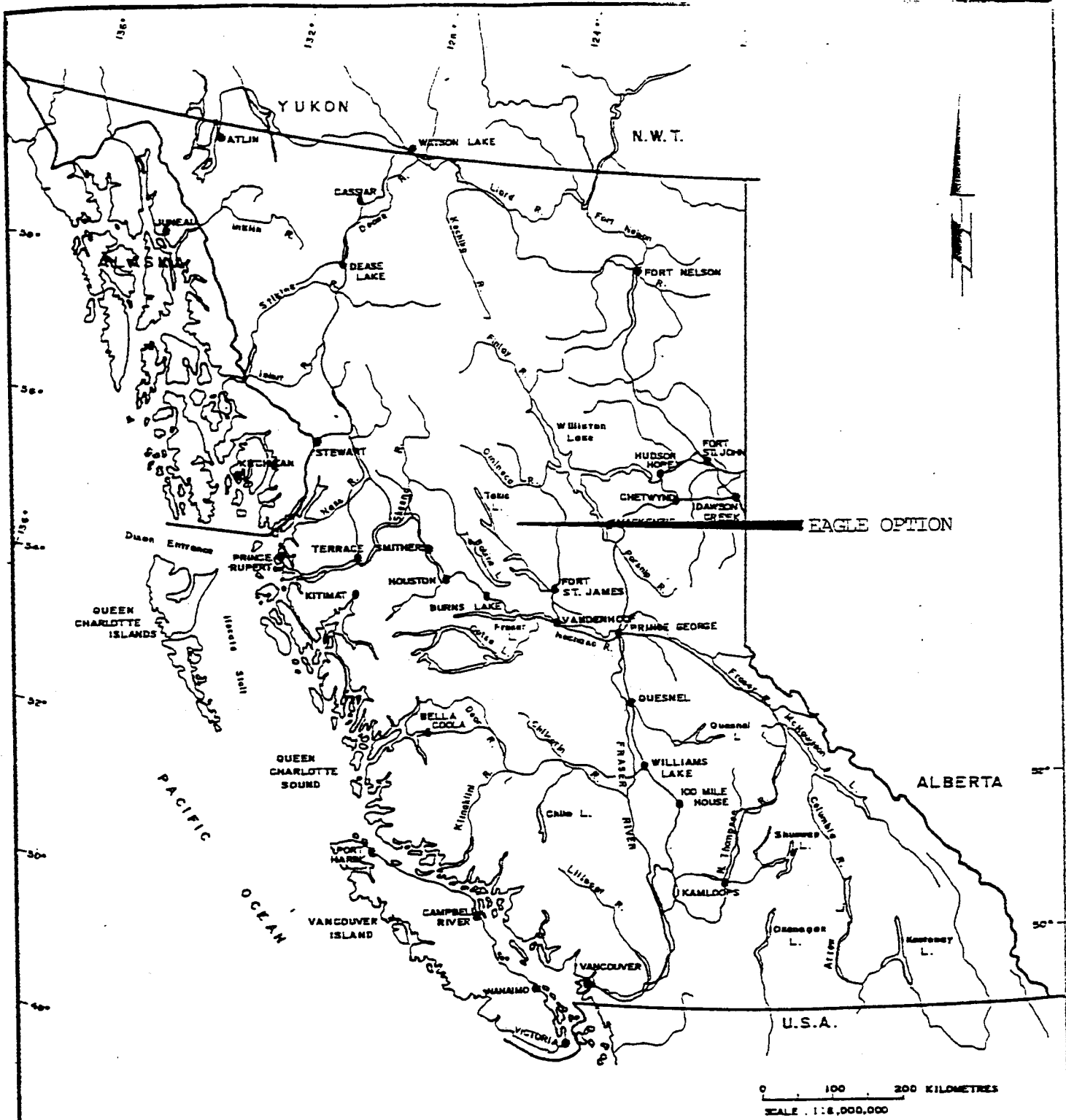
LOCATION & ACCESS:

The Eagle property is located in the Omineca Mining Division, approximately 210 km northwest of Prince George, on the southern shore at the east end of Tchentlo lake (see Figures 1 & 2).

Access to the property can be gained by a 23 km boat ride from the Tchentlo Lake Lodge at the west end of the lake, or by float plane and helicopter out of Fort St. James. The property is situated 15 km from all weather logging roads to the south.

CLAIM STATISTICS:

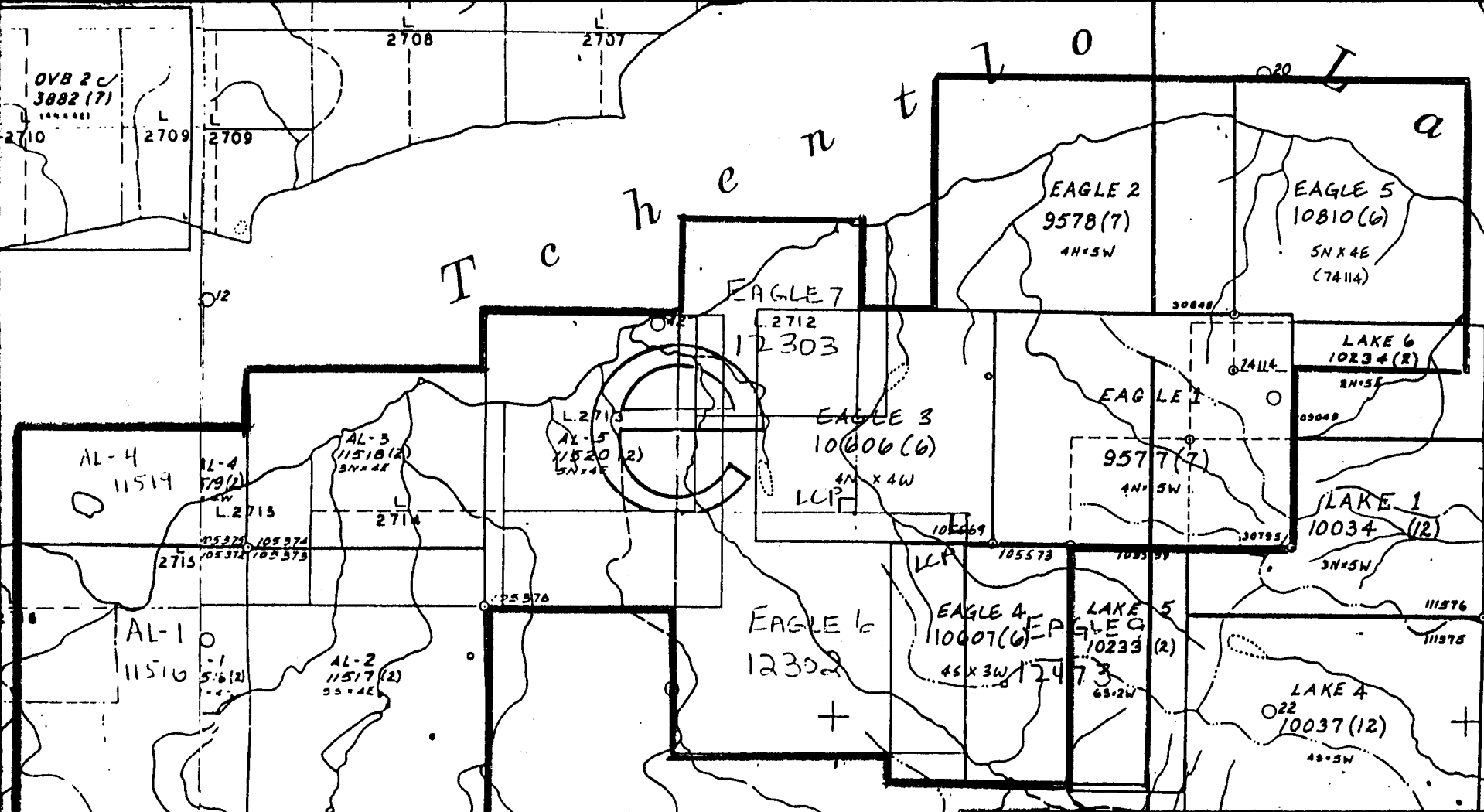
The Eagle property consists of 12 claims, Eagle 1-7 and AL 1-5. Noranda Exploration holds an option to acquire the Eagle 1 & 2 claims from the owner, W. H. Halleran. The Eagle 3, 4 and 5 claims were staked by Noranda for W. H. Halleran and are part of the option agreement. The Eagle 6 and 7 and AL 1-5 claims were staked later and are not part of the option agreement. The claims are listed in Table 1 and shown in Figure 2.



REVISED	EAGLE CLAIM LOCATION MAP	
	LOCATION MAP	
PROJ. No. 284	SURVEY BY: F. Stewart	DATE: Feb. /91
N.T.S.	DRAWN BY: S.S.E.	SCALE: 1:8,000,000
DWG. No.	NORANDA EXPLORATION	
1	OFFICE: PRINCE GEORGE, B.C.	

VANICAL 11927

T c h e n t o a



REVISED	EAGLE PROPERTY	
	CLAIM MAP	
PROJ. No.	SURVEY BY: <u>T. WALKER</u>	DATE: <u>JULY/91</u>
N.T.S. <u>2/3</u>	DRAWN BY: <u>n</u>	SCALE: <u>1:50,000</u>
DWG. No.	NORANDA EXPLORATION	
<u>2</u>	OFFICE: <u>PRINCE GEORGE</u>	

Table 1.

Name	Record #	Units	Due Date	Owner
Eagle 1	240039	20	July 22/01	Norex
Eagle 2	240040	20	July 22/01	Norex
Eagle 3	240770	16	June 4/01	Norex
Eagle 4	240771	12	June 4/01	Norex
Eagle 5	240973	20	June 5/98	Norex
Eagle 6	242452	20	July 26/93	Norex
Eagle 7	242453	15	July 25/93	Norex
AL 1	241670	20	Feb. 27/93	Norex
AL 2	241671	20	Feb. 27/93	Norex
AL 3	241672	12	Feb. 28/93	Norex
AL 4	241673	8	Feb. 28/93	Norex
AL 5	241674	20	Feb. 28/93	Norex

EXPLORATION HISTORY :

Since Noranda Exploration optioned the Eagle property in 1988 they have completed the following surveys: 28 km of induced polarization, 32.5 km of ground magnetometer, 40 km of grid mapping, 40 km of soil sampling at 25 m sample interval, 46 km of linecutting and 1483.3 m of BDBGM diamond drilling. These surveys indicate the presence of a large Cu-Au bearing system with a very good tonnage potential on the Main Grid and a Pb-Zn-Ag-Au bearing system on the Gibson Grid that appears to be part of a peripheral vein system.

PROPERTY GEOLOGY:

The Eagle claims cover the contact zone of the Hogem Batholith and the Takla Group volcanics. The Takla Group rocks are believed to be Upper Triassic to Lower Jurassic in age, while the Hogem Batholith is dated at Upper Triassic to Lower Jurassic.

The Main Grid is within the Hogem Batholith. There are several phases of the Hogem present on the Eagle property. The dominant phase is a diorite; two other significant phases include a k-spar rich granodiorite and a coarse grained plagioclase - pyroxene gabbro.

The Gibson Grid is located to the south west of the main Eagle Grid and is within the Takla Group rocks. Locally the Takla Group is comprised of augite porphyries and volcanic tuffs that are variably hornfelsed near the contact zone with the Hogem Batholith.

The dominant intrusive phase on the property is a light grey green mesocratic equigranular, medium grained, diorite containing 70-80% plagioclase, 5-15% magnetite, 5-10% hornblende, 5-10% augite, and 1-5% biotite. This diorite phase has a gradational contact over tens of metres to the north east part of the claims with a more k-feldspar rich phase. This phase is a light grey medium to coarse grained granodiorite containing 50-60% plagioclase, 5-20% k-feldspar, 1-5% magnetite, 5-10% hornblende, 5-10% pyroxene and 1-10% biotite.

In the central part of the Main Grid there is an irregular shaped body of very coarse grained (almost pegmatitic) feldspar - quartz - magnetite - biotite dominated phase that was previously mapped as a gabbro. We have now interpreted this to be a potassic alteration zone that consists primarily of quartz-magnetite flooding with common secondary biotite. There is commonly trace chalcopyrite associated with this zone.

These intrusive rocks are moderately fractured with the principle shear zones trending northwest which corresponds to the orientation of the Pinchi fault zone to the west. The two dominant fractures have average orientations of: 1) strike 150°, dip 65° East, and, 2) strike 50°, dip 40° West. The main copper showings are associated with these northwest trending shear zones, with the three main showings forming a roughly linear feature striking at approximately 150°. The main structural trend observed at the showings appears to be at 20-40° to this trend (ie. 110-130°) and may reflect complimentary shears.

Towards the western boundary of the Eagle 3 and 4 claims is the contact zone of the 'Hogem' diorite and the Takla volcanics. This contact (where observed) is gradational over a few metres. These volcanic rocks are invariably hornfelsed to some degree near the contact zone. The intrusive - volcanic contact zone invariably contains 3-5% disseminated pyrite and some local trace chalcopyrite. This zone is fairly narrow and did not return any significant assay results. The hornfelsed volcanics away from this contact zone are a very fine grained siliceous hornfelsed volcanic usually light purple colored (biotite hornfels). In some areas remnant banding can be observed in the volcanics, these rocks are interpreted to be volcanic tuffs. Locally there are some zones that are identifiable as augite porphyries.

DIAMOND DRILLING :

The 1991 diamond drilling program consisted of 1483.3 m of BDBGM core in 17 holes. Nine of these holes were on the Gibson Grid and were drilled to test the size and continuity of the recently discovered Gibson Showing. All of the holes drilled on the Gibson Grid intersected significant clay-sericite-quartz altered and pyrite-galena-sphalerite mineralized volcanics. This system appears to be a peripheral vein type hosted in the Takla Volcanics (hornfelsed tuffs and andesites) near the contact zone with the Hogem Batholith. The remaining eight holes were drilled on the Main Grid and were drilled to test the size and continuity of the Nighthawk and Vector mineralization as well as a large moderate to strong IP chargeability anomaly located on lines 4000N, 4040N and 4080N. The drill hole locations are on figure 1-4 and the drill logs are in appendix II at the rear of this report. Cross sections displaying Au-Ag-Pb-Zn for the Gibson holes and Cu-Au for the Main Grid holes are in appendix III at the rear of this report.

GIBSON GRID DRILLING (Holes 1-5 and 14-17)

EA-91-01 : This hole is located at 40595N 37574E and was drilled at a dip of -45' and bearing of 219'. This hole was drilled to test a strong 25 m wide IP anomaly coincident with the Gibson Showing. It intersected 1.83 m of overburden and 51.47 m of hornfelsed volcanics with a zone from 9.43-26.00 m that was strongly fractured/brecciated and pervasively clay-sericite-quartz altered containing up to 5-10% pyrite, 1-2% galena and 1-2% sphalerite. The zone from 14.10-23.28 m (9.18 m) averaged 4.34 gpt Au, 224.3 gpt Ag, 0.92% Pb and 0.61% Zn (see figure 2 for location and appendices II and III for logs and cross sections).

EA-91-02 : This hole is located at 40589N 37556E and was drilled at a dip of -45' and bearing of 350'. This hole was drilled to intersect the mineralization encountered in hole 1 more perpendicular to the zone strike interpreted from the core angles in hole 1 and the showing. It intersected 1.50 m of overburden and 46.32 m of hornfelsed volcanics with a zone from 17.20-22.50 m that was strongly fractured and pervasively clay-sericite + quartz altered containing up to 5-8% pyrite, 2-3% galena and 2-3% sphalerite. The zone from 17.20-22.50 m (5.30 m) averaged 2.59 gpt Au, 122.9 gpt Ag, 0.625% Pb and 1.50% Zn (see figure 2 for location and appendices II and III for logs and cross sections).

EA-91-03 : This hole is located at 40572N 37568E and was drilled at a dip of -45' and bearing of 351'. This hole was drilled to intersect the zone encountered in the first two holes 10 m east along strike and 15 m back from the interpreted surface trace of the zone. It intersected 1.00 m of overburden and 75.20 m of hornfelsed volcanics tuffs and andesites that were moderately to strongly fractured with common zones of intense pervasive clay-sericite-quartz alteration and a few narrow zones with 2-3% galena and 2-3% sphalerite. The zone from 29.15-30.17 m (1.02 m) averaged 3.63 gpt Au, 494.8 gpt Ag, 1.85% Pb and 1.12% Zn (see figure 2 for location and appendices II and III for logs and cross sections).

EA-91-04 : This hole is located at 40584N 37541E and was drilled at a dip of -45' and bearing of 350'. This hole was drilled to test the westward extension of the mineralization encountered in the first three holes. It intersected 3.50 m of overburden and 58.98 m of hornfelsed volcanic tuffs with common zones of strongly fractured pervasive clay-sericite-quartz altered volcanics containing up to 3-5% pyrite, 2-3% galena and 2-3% sphalerite. The zone from 25.80-26.88 m (1.08 m) averaged 6.41 gpt Au, 252.0 gpt Ag, 0.77% Pb and 1.0% Zn (see figure 2 for location and appendices II and III for logs and cross sections).

EA-91-05 : This hole is located at 40574N 37534E and was drilled at a dip of -45' and bearing of 006'. This hole was planned for a down dip intersection of the mineralization encountered in hole 2. It intersected 1.74 m of overburden and 98.54 m of hornfelsed volcanics containing common zones of pervasive clay-sericite-quartz alteration with up to 5% pyrite, 15% galena and 5% sphalerite. The zone from 58.34-62.60 m (4.26 m) averaged 6.77 gpt Au, 1828.8 gpt Ag, 3.34% Pb, 2.69% Zn and 0.27% Cu. This zone is interpreted to be a down dip extension of the mineralized zone intersected in hole 2 (see figure 2 for location and appendices II and III for logs and cross sections).

EA-91-14 : This hole is located at 40800N 37650E and was drilled at a dip of -45' and bearing of 221'. This hole was drilled to test an IP chargeability anomaly and coincident multi-element geochem anomaly on the line 200 m north of the Gibson Showing. It intersected 6.30 m of overburden and 69.59 m of hornfelsed volcanic tuffs containing common zones of intense pervasive clay-sericite alteration with 3-10% pyrite. There were no significant assays (see figure 2 for location and appendices II and III for logs and cross sections).

EA-91-15 : This hole is located at 40800N 37562E and was drilled at a dip of -45' and bearing of 221'. This hole was drilled to test another chargeable source in the same anomaly tested in hole 14. It intersected 4.60 m of overburden and 86.74

m of biotite hornfelsed volcanic tuffs containing common zones of pervasive clay-sericite alteration with 3-10% disseminated pyrite, 2-3% sphalerite and 1-2% galena. The zone from 9.95-11.50 m (1.55 m) averaged 2.19 gpt Au, 29.49 gpt Ag and 0.06% Pb and 0.18% Zn. The zone from 71.55-74.40 m (2.85 m) averaged 0.62 gpt Au and 20.57 gpt Ag, 0.15% Pb and 0.55% Zn (see figure 2 for location and appendices II and III for logs and cross sections).

EA-91-16 : This hole is located at 40400N 37500E and was drilled at a dip of -45' and bearing of 221'. This hole was drilled to test an IP chargeability anomaly and coincident multi-element geochem anomaly on the line 200 m south of the Gibson Showing. It intersected 5.70 m of overburden and 61.96 m of hornfelsed volcanic tuffs containing common zones of pervasive clay-sericite alteration with up to 2-3% pyrite, 1-2% galena and 2-5% sphalerite. The zone from 16.85-26.28 m (9.43 m) averaged 0.21 gpt Au, 8.78 gpt Ag and 0.07% Zn (see figure 2 for location and appendices II and III for logs and cross sections).

EA-91-17 : This hole is located at 40400N 37562E and was drilled at a dip of -60' and bearing of 221'. This hole was drilled to test another chargeable source in the same anomaly that was tested in hole 16. It intersected 2.20 m of overburden and 80.10 m of hornfelsed volcanic tuffs containing common zones of intense pervasive clay-sericite alteration with several narrow zones of up to 15% pyrite, 2-3% sphalerite and 1-2% galena. The zone from 39.30-43.40 m (4.1 m) averaged 1.78 gpt Au, 47.72 gpt Ag, 0.53% Pb and 1.09% Zn. The zone from 54.50-58.30 m (3.80 m) averaged 1.46 gpt Au, 95.5 gpt Ag, 0.73% Pb and 1.75% Zn (see figure 2 for location and appendices II and III for logs and cross sections).

MAIN GRID DRILLING (Holes 6-13)

EA-91-06 : This hole is located at 40120N 40045E and was drilled at a dip of -45' and bearing of 211'. This hole was drilled to test the continuity and width of the Nighthawk Cu-Au Showing. It intersected 2.10 m of overburden 98.18 m of diorite containing a zone from 5.07-22.45 m that is strongly fractured and pervasively chlorite-carbonate + quartz altered with 3-4% chalcopyrite, 2-3% pyrite and traces of bornite. The zone from 5.07-32.35 m (27.28 m) averaged 0.87% Cu, 0.32 gpt Au and 3.85 gpt Ag (see figure 3 for location and appendices II and III for logs and cross sections).

EA-91-07 : This hole is located at 40135N 40110E and was drilled at a dip of -45' and bearing of 210'. This hole was drilled to test the down dip continuity and width of the mineralization encountered in hole 6. It intersected 2.80 m of overburden and 103.57 m of diorite containing a zone from 48.16-

63.25 m that is strongly fractured and strongly chlorite-carbonate ± clay altered with 2-3% chalcopyrite and 2-3% pyrite. The zone from 48.16-63.90 m (15.74 m) averaged 0.69% Cu, 0.20 gpt Au and 2.19 gpt Ag (see figure 3 for location and appendices II and III for logs and cross sections).

EA-91-08 : This hole is located at 40000N 39850E and was drilled at a dip of -60' and bearing of 041'. This hole was drilled to test a moderate to strong chargeability anomaly on the edge of a strong copper geochem anomaly. It intersected 4.9 m of overburden and 117.02 m of magnetite bearing diorite with a zone from 25.30-43.00 m being 30-40% magnetite. This is interpreted to be the cause of the IP anomaly. There were no significant assays (see figure 3 for location and appendices II and III for logs and cross sections).

EA-91-09 : This hole is located at 40400N 40125E and was drilled at a dip of -60' and bearing of 221'. This hole was drilled to test a strong chargeability anomaly within a Cu geochem anomaly. It intersected 1.70 m of overburden and 120.22 m of magnetite bearing diorite with a zone from 34.65-87.80 m being pervasively magnetite flooded averaging 15-20% magnetite. This is interpreted to be the cause of the chargeability anomaly. There are several 5-10 m zones near the top of the hole containing trace to 1% chalcopyrite and bornite averaging 0.05% Cu but there were no other significant assays (see figure 3 for location and appendices II and III for logs and cross sections).

EA-91-10 : This hole is located at 40400N 39950 E and was drilled at a dip of -60' and bearing of 221'. This hole was drilled to test a strong IP chargeability anomaly coincident with a Cu geochem anomaly. It intersected 1.25 m of overburden and 104.21 m of diorite containing a zone from 32.60-53.40 m that is pervasively magnetite flooded that averages 20-30% magnetite. This is interpreted to be the cause of the IP anomaly. There is an average of 0.06% Cu over 20 metres at the top of the hole but other than this there are no significant assays (see figure 3 for location and appendices II and III for logs and cross sections).

EA-91-11 : This hole is located at 40800N 39450E and was drilled at a dip of -45' and bearing of 221'. This hole was drilled to test a moderate to strong IP chargeability anomaly on the edge of a large Cu geochem anomaly. It intersected 2.20 m of overburden and 94.73 m of diorite. This hole was weakly fractured with common epidote-chlorite-magnetite-biotite alteration and trace chalcopyrite. There were no significant assays (see figure 3 for location and appendices II and III for logs and cross sections).

EA-91-12 : This hole is located at 42675N 40392E and was drilled at a dip of -45' and bearing of 221'. This hole was drilled to test the continuity and width of the Vector Zone mineralization associated with the IP chargeability anomaly on line 42600N. It intersected 15.00 m of badly broken diorite (fault zone) and 76.44 m of diorite containing a zone from 17.20-36.40 m that is strongly fractured and strongly chlorite ± quartz and carbonate altered with 2-3% pyrite and 3-8% chalcopyrite. The zone from 18.50-36.40 m (17.90 m) averaged 0.82% Cu, 0.47 gpt Au and 4.11 gpt Ag (see figure 4 for location and appendices II and III for logs and cross sections).

EA-91-13 : This hole is located at 42500N 40350E about 150 m along the strike of the Vector zone from hole 12 and was drilled at a dip of -45' and bearing of 221'. This hole was drilled to test the continuity and width of the Vector Zone mineralization associated with the IP chargeability anomaly located on line 42425N. It intersected 14.75 m of very badly broken diorite (felsemere/fault ?) and 66.88 m of diorite containing a zone from 22.00-48.40 m that is strongly fractured and strongly chlorite ± quartz and carbonate altered with 3-10% chalcopyrite and 1-2% pyrite. The zone from 22.00-42.20 m (20.20 m) averaged 0.56% Cu and 0.29 gpt Au and 2.84 gpt Ag (see figure 4 for location and appendices II and III for logs and cross sections).

The significant assays from all of the holes drilled during the 1991 program are tabulated in Tables 1 and 2 below.

Table 2.

GIBSON GRID HOLES (Holes 1-5 and 14-17)						
HOLE	INTERVAL m	WIDTH m	Au gpt	Ag gpt	Pb %	Zn %
EA-91-01	14.10-23.28	9.18	4.34	224.3	0.9	0.6
EA-91-02	17.20-22.50	5.30	2.59	122.9	0.6	1.5
EA-91-03	29.15-30.17	1.02	3.63	494.8	1.8	1.1
EA-91-04	25.89-26.88	0.99	6.41	252.0	0.8	1.0
EA-91-05	58.34-62.60	4.26	6.77	1828.8	3.3	2.7
EA-91-15	9.95-11.50	1.55	2.19	29.5	0.0	0.2
	71.55-74.40	2.85	0.62	20.6	0.1	0.5
EA-91-16	16.85-26.28	9.43	0.21	8.8	0.0	0.0
EA-91-17	39.30-43.40	4.10	1.78	47.7	0.5	1.1
	54.50-58.30	3.80	1.46	95.5	0.7	1.7

Table 3.

MAIN GRID HOLES (Holes 6-13)					
HOLE	INTERVAL m	WIDTH m	Cu %	Au gpt	Ag gpt
EA-91-06	5.07-32.35	27.28	0.87	0.32	3.85
EA-91-07	48.16-60.66	15.74	0.69	0.20	2.19
EA-91-12	18.50-36.40	17.90	0.82	0.47	4.11
EA-91-13	22.00-42.20	20.20	0.56	0.29	2.84

CONCLUSIONS :

The 1991 diamond drilling program on the Gibson Grid (holes 1-5 and 14-17) tested the strong IP chargeability anomalies and coincident multi-element geochem anomalies associated with the recently discovered Gibson Showing.

All of the holes drilled on the Gibson Grid encountered zones of pervasive clay-sericite alteration and from anomalous to ore grade Au-Ag-Pb-Zn zones. The first five holes were drilled at a relatively close spacing to try and determine an accurate orientation of the vein system, but after drilling the five holes we were still unable to determine an exact orientation of the vein system and we may in fact be dealing with a multi-directional system. We are able to conclude that the same style of alteration and similar grades of mineralization are present on the lines 200 m north and south of the Gibson Showing. This plus the extensive surface geochem anomalies and additional IP targets (see figures 1 & 2) indicates potential for a large high grade peripheral vein system to exist.

The diamond drilling program on the Main Grid (holes 6-13) tested the size and continuity of the Nighthawk and Vector Zone mineralization as well as large moderate to strong IP chargeability anomalies and coincident Cu + Au geochem anomalies located on lines 4000N, 4040N and 4080N.

The two holes testing the Nighthawk Showing (holes 6 and 7) both delineated good copper-gold-silver grades over 27 m in hole 6 and 15 m in hole 7. This zone was not tested along strike or any deeper than 40 m vertical depth. The adjacent geophysical lines are 400 m away and holes 8-11 tested only a small part of the broad anomalies located on these lines. The Cu+Au geochem anomalies associated with the Nighthawk zone continues about 200 m to the south and 1000 m to the north of holes 6 and 7 (see figure 1). This leaves the system open to the north and south and leaves excellent potential for a high grade Cu-Au porphyry system to exist in the Nighthawk area.

Holes 8 to 11 were drilled to test a large moderate to strong IP chargeability anomaly located on lines 4000N, 4040N and 4080N. It appears that in the areas tested by these holes, the IP anomalies are caused by the presence of large amounts (20-50 %) of disseminated to massive magnetite combined with trace pyrite and chalcopyrite. This may represent a potassic alteration zone that consists primarily of quartz-magnetite flooding and common secondary biotite.

Holes 12 and 13 were drilled to test the width and continuity of the mineralization in the Vector Zone. These two

holes were located 150 m apart along the strike of the zone and both returned very good copper-gold-silver grades over 18 m in hole 12 and 20 m in hole 13. This zone is still open to the north and south and has not been tested at vertical depths more than 25 m which leaves excellent potential for a high grade Cu-Au porphyry system to exist in the Vector Zone.

RECOMMENDATIONS :

The first nine holes drilled on the Gibson Grid indicates that a fairly large alteration and mineralizing system is present in this area. Unfortunately however, the principle orientation of the vein systems are still in question. To help resolve this problem it is recommended that a mechanical trenching and washing be carried out near the showing followed by close spaced VLF, magnetics and IP surveys between lines 40200N and 41000N. This work should then be followed up with further diamond drilling to confirm the strike and extent of the mineralization.

Both the Nighthawk and Vector Zones are open in both strike directions and at depth and are sufficiently well documented to allow follow up by step out drilling along strike and down dip. Initially 100 metre step outs appear to be reasonable.

In summary, a further program consisting of approximately 8 km of VLF, magnetics and IP surveys on the Gibson Grid and 2000 metres of diamond drilling on the Gibson and Main Grids is recommended to follow up the positive results from the drilling to date.

APPENDIX I
STATEMENT OF COSTS

A) FIELD COSTS :

DIAMOND DRILLING:

Contract charges (Van Alphen Diamond drilling)	
Meterage - 1483.3 m @ \$95/m	\$ 140,914
Mob/Demob charges	<u>11,684</u>
Contract Total :	\$ 152,598

NOREX LABOUR:

Geologist - 50 mds @ \$225/md	\$ 11,250
Coresplitter - 50 md @ \$125/md	<u>6,250</u>
Total Labour :	\$ 17,500

ASSAY CHARGES:

431 samples @ \$30.45/sample	\$ 13,125
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TRANSPORTATION:

Truck Rentals - 50 days @ \$65/day	\$ 3,250
Boat & Motor - 50 days @ \$50/day	2,500
Casual Helicopter - 14 hrs @ \$695/hr	<u>9,730</u>
Total Transportation :	\$ 15,480

TOTAL FIELD COSTS : \$ 198,703

B) REPORT PREPARATION :

Authors - 10 mds @ \$275/md	\$ 2,250
Drafting - 3 mds @ \$150/md	450
Typing - 1 md @ \$100/md	<u>100</u>

TOTAL REPORT PREPARATION : \$ 2,800

TOTAL PROGRAM COSTS : \$ 201,503

APPENDIX II
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, FRASER J. STEWART, hereby certify that:

- 1. I am a geologist residing at 302-1910 Renwick Crescent, Prince George, B. C.*
- 2. I graduated from the University of Alberta in April 1989, with the degree of Bachelor of Science in Geology.*
- 3. I have been employed by Noranda Exploration Company, Limited as a geologist since May 1989.*
- 4. I personally took part in the surveys described in this report and that this report is based upon a personal knowledge of the property.*

Fraser J. Stewart, (B.Sc.)

STATEMENT OF QUALIFICATIONS

I, Terence Walker, of Prince George, British Columbia hereby certify that:

1. I am a graduate of University College, London with a B.Sc. degree in Geology (1968) and a graduate of McGill University, Montreal with an M.Sc. in Mineral Exploration (1978).
2. I have practiced my profession with various mining companies in Europe and North America since graduation.
3. I am currently employed as a Senior Project Geologist working for Noranda Exploration Company, Limited.
4. I am a member of the Canadian Institute of Mining and Metallurgy, the Geological Association of Canada, the Prospectors and Developers Associations and the British Columbia and Yukon Chamber of Mines.
5. The information contained in this report is based on published and unpublished reports on the property and surrounding area, and on work done by Noranda.
6. I have no current interest in the property.



Terence Walker
Sr. Project Geologist

APPENDIX III
DIAMOND DRILL LOGS

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-01

PAGE : 2

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
			- small stringer of black mineral (possib. sphal ?)									
			10.63 - 10.95 : breccia zone, carb. cement									
			11.90 - 12.25 : clay-seric. alt w common carb-chl vns/vnlts									
12.25	13.15	cluser	- strong to intense clay-seric. alt zone - lt grey green washed out appearance - upper contact sharp @ 60 to CA - 5-6 % py stringers, blebs, dissem., tr-1 % sphal, tr galena	37630	12.25	13.15	0.90	0.03	0.04	0.14	0.001	
13.15	13.70	clay	- intense clay alt., ver badly broken - some carb alt - 1-2 % dissem. py, 1 % galena	37631	13.15	13.70	0.55	0.30	0.34	0.88	0.007	
13.70	14.10	cluser	- int. fract. w perv. clay-seric. alt - lt grey to lt green (washed out) - 5-6 % py stringers and blebs, 1 % gal	37632	13.70	14.10	0.40	0.07	0.12	1.14	0.008	
14.10	15.25	brecc	- strong to intensely fract. (breccia) w almost complete replacement by sulfides carbonate - 10-15 % py stringers and blebs - 8-10 % galena stringers and blebs - 1-2 % sphal blebs - tr-1 % cpy - 10-15 % very hard f.gd. black mineral- (tourmaline ?, sphal ?) - upper contact sharp @ 50 to CA - principle fracture and mineralization @ 35 to CA - common qtz vning and stringers parallel to mineralization	37633	14.10	15.25	1.15	6.60	3.36	44.16	0.119	
15.25	16.00		- alteration and fract. density continues but galena drops off to 2-3 % sphal tr-1 %, py 8-10 % ; all sulfides occur as stringers and blebs - fract. orient. changes to 5-15 to CA	37634	15.25	16.00	0.75	0.25	0.24	1.39	0.042	

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : Eagle
HOLE No. : EA-91-02
Grid System : Main/Gibson
Collar Eastings : 37556.000
Collar Northings : 40589.000
Collar Elevations : 1247.000
Collar Bearing : 350.00
Grid Baseline : 131.00

Collar Inclination : -45.00
Grid Bearing : 41.00
Final Depth : 47.82
Claim No. : Eagle 9

Logged by : Fraser Stewart
Date : June 6 - June 7
Downhole Survey : acid test
Drilled By : Van Alphen
Core Size : BD

INTERVAL(m)		MAJOR/MINOR	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS						
FROM	TO	UNITS			FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t		
0.00	47.82	VHFELS												
0.00	1.52		CASING											
			VOLCANIC HORNFELS : (1.52 - 47.82) - lt grey green mod to strongly fract. f.gd. volcanic with some feld. and augite pheno. visible locally - mod to strongly clay-seric. altered w common chl-carb stringers +/- tr sulfide - principle fract. @ 60-85 to CA - 1-2 % py stringers w local tr gal, sphal											
1.52	7.10	fels	- very badly broken (70 % recovery) felsemere - tr py											
7.10	9.10	seric	- mod to strongly fract w mod perv seric. alt. and common chl-carb stringers @ 70- 80 to CA 7.10 - 8.10 : mod to strongly sheared w irregular carb stringers and mod perv seric. alt. - 2-4 % dissem py and stringers	37658	7.10	8.10	1.00	0.01	0.01	0.02	0.01	0.001		
9.10	9.70	brecc	- breccia zone w common carb vns											
13.30	13.35	seric	- lt grey washed out - wk perv seric. alt - 2-3 % galena, 2-3 % sphalerite as stringers @ 20 to CA - common hem staining on fractures	37651	15.90	17.20	1.30		0.01	0.02	0.05	0.001		
17.20	21.50	galena	- int. fract w perv. clay seric. alt obliterating all original textures - dominant fract. orient 65 to CA	37652 37653 37654	17.20 17.80 18.70	17.80 18.70 19.50	0.60 0.90 0.80	0.90 1.10 0.16	2.00 2.20 0.32	9.31 5.01 1.12	0.031 0.064 0.240			

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-02

PAGE : 2

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
			- sulfide mineralogy consists of galena, sphal, py and tr cpy	37655	19.50	20.20	0.70	1.46	2.68	8.34	0.200	
			- some minor fuschite	37656	20.20	21.50	1.30	0.34	0.60	1.08	0.015	
				37657	21.50	22.50	1.00	0.20	2.06	0.20	0.016	
			17.20 - 17.50 : 5-6 % galena, 3-4 % sphal as stringers and blebs @ 60 to CA									
			17.50 - 17.65 : qtz vn w irregular contact									
			17.80 - 18.70 : 3-4 % sphal, 2-3 % gal, 4-6 % py as stringers @ 60-65 to CA - common qtz string @ 65 to CA									
			18.70 - 19.50 : int. fract. w common qtz vnits									
			19.50 - 20.20 : int. fract. w 3-4 % sphal, 2-3 % gal, 8-10 % py as stringers a and blebs @ 60 to CA - common fuschite									
			20.20 - 21.50 : mod to strong fract. with wk to mod clay-seric. alt - some unaltered zones appear to be a maroon andesite									
			21.40 - 21.45 : sphal-gal-py string @ 65 to CA									
22.30	22.35	qtzvn	- qtz vn (lcm) @ 35 to CA w gal, sphal, py stringers									
24.20	24.40	clyser	- strong clay-seric. alt; lt grey green - tr sphal, tr galena and 4-5 % py	37659	24.20	24.40	0.20	0.01	0.01	0.02	0.01 0.001	
30.65	31.45	clyser	- int perv clay-seric. alt w common qtz- carb stringers @ 60-70 to CA, tr py	37660	30.65	31.45	0.80	0.01	0.01	0.02	0.01 0.001	
45.00	46.45	clyser	- int clay-seric. alt w abundant chl-carb- qtz stringers @ 50 to CA	37661	45.00	46.45	1.45	0.01	0.01	0.02	0.01 0.002	

HORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : Eagle
 HOLE No. : EA-91-03
 Grid System : Main/Gibson
 Collar Eastings : 37549.000
 Collar Northings : 40567.000
 Collar Elevations : 1247.000
 Collar Bearing : 351.00
 Grid Baseline : 131.00

Collar Inclination : -45.00
 Grid Bearing : 41.00
 Final Depth : 76.20
 Claim No. : Eagle 9

Logged by : Fraser Stewart
 Date : June 7 - June 7
 Downhole Survey : acid test
 Drilled By : Van Alphen
 Core Size : BD

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS						
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t		
0.00	36.15	VHPELS	CASING											
0.00	1.00		VOLCANIC HORNPELS : (1.00 - 36.15) - dark green f.gd. siliceous volcanic - v. common qtz-carb stringers @ 75-90 to CA - common hem as fract coatings - wkly fract - contains several zones of narrow gal-sphal-py rich perv clay-seric. alt											
8.00	8.84	clyser	- perv clay-seric. alt and strongly fract - common qtz +/- carb stringers @ 80 to CA - 5-8 % py stringers, 3-4 % galena, 1-2 % sphal as stringers and blebs @ 80 to CA	37676	8.00	8.84	0.84	0.02	0.36	0.77	1.88	0.040		
11.14	11.65	qtzser	- int fract w perv qtz-seric. +/- carb alt - dominant fract./stringers @ 75 to CA - 5-6 % py stringers, 1-2 % gal, 1-2 % sphal assoc. w qtz vnits	37677	11.14	11.65	0.51	0.03	0.21	0.53	4.02	0.007		
12.90	13.10	qtzser	- int. fract breccia zone perv qtz-seric. alt +/- chl w 5-6 % py stringers, 1-2 % sphal assoc. w qtz vnits	37678	12.90	13.10	0.20	0.01	0.01	0.02	0.18	0.005		
22.18	22.48	qtzser	- strongly fract w perv qtz-seric. alt and common qtz vnits @ 70 to CA - 6-8 % py blebs/stringers, 4-6 % sphal and 2-3 % galena as stringers @ 65-75 to CA	37679	22.18	22.48	0.30	0.03	0.90	0.78	3.78	0.035		
24.60	28.35	qtzser	- mod to strongly fract w mod fract contr. qtz-seric. alt - common qtz +/- carb stringers	37684 37685	24.60 26.51	26.51 28.35	1.91 1.84	0.02 0.01	0.01 0.02	0.02 0.03	0.02 0.06	0.001 0.001		

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-03

PAGE : 3

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
50.40	52.25		- int perv clay-seric. alt w common qtz stringers	37691	50.40	52.60	2.20	0.01	0.01	0.02	0.01	0.001
52.25	76.20	VHFELS	VOLCANIC HORNFELS : - f.gd. dark green siliceous volcanic - common chl-qtz +/- carb stringers @ 50-70 to CA - v. hard and flinty w no visible minerals - tr py									
54.30	56.00	qtzser	- int perv qtz-seric-clay alt w abundant qtz vnlt @ 40-65 to CA - strongly fract w rare hem and fuschite	37692	54.30	56.00	1.70	0.01	0.01	0.01	0.01	0.001
64.20	65.10	clyser	- perv clay-seric-qtz alt w common qtz vnlt @ 50-60 to CA - some chl on fractures and rare carb - mod to strongly fractured - tr py	37693	64.20	65.10	0.90	0.01	0.01	0.01	0.01	0.001
			EOH = 76.20 m									

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-04
Grid System : Main/Gibson
Collar Eastings : 37541.000
Collar Northings : 40584.000
Collar Elevations : 1244.000
Collar Bearing : ~~100~~ 350°
Grid Baseline : 131.00

Collar Inclination : -45.00
Grid Bearing : 41.00
Final Depth : 62.48
Claim No. : Eagle 9

PAGE : 1

Logged by : Fraser Stewart
Date : June 9 - June 9
Downhole Survey : acid test
Drilled By : Van Alphen
Core Size : BD

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS											
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t							
0.00	62.48	VHPELS	CASING																
0.00	3.50		VOLCANIC HORNPELS : (3.50 - 62.48) - dark green f.gd. siliceous flinty volcanic w no visible minerals - wk to mod fract w common qtz-carb string @ 45-50 to CA																
			3.50 - 6.00 : very badly broken rock with about 70 % recovery - common iron staining																
4.57	6.60	qtzser	- mod to strongly fract w perv qtz-seric. alt and common chl stringers @ 45-60 to CA - 2-3 % py stringers and blebs - tr-1 % gal, tr-1 % sphal and tr cpy - some minor clay alt	37701	4.57	6.60	2.03	0.02	0.95	1.03	7.29	0.014							
			4.57 - 5.80 : 8-10 % py stringers and bleb and 8-10 % gal vnits @ 65 to CA - tr-1 % sphal, 1-2 % cpy																
			6.50 - 6.60 : 4-5 % cpy, 2-3 % py, 1-2 % sphal, 1-2 % gal as stringers @ 50 to CA																
6.60	11.00	qtzser	- mod to strongly fract w common qtz-carb stringers @ 50-60 to CA and wk perv qtz-seric. alt - common chl on fractures - washed out to a lt grey green - 1-2 % py stringers + blebs, tr cpy	37702 37703 37704	6.60 8.84 10.34	8.84 10.34 11.75	2.24 1.50 1.41	0.02 0.01 0.01	0.22 0.01 0.02	0.52 0.02 0.06	0.26 0.04 0.04	0.001 0.001 0.001							

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : Eagle
HOLE No. : EA-91-05
Grid System : Main/Gibson
Collar Eastings : 37534.000
Collar Northings : 40574.000
Collar Elevations : 1249.000
Collar Bearing : 6.00
Grid Baseline : 131.00

Collar Inclination : -45.00
Grid Bearing : 41.00
Final Depth : 100.28
Claim No. : Eagle 9

Logged by : Regan Chernish
Date : June 8 - June 9
Downhole Survey : acid test
Drilled By : Van Alphen
Core Size : BD

INTERVAL(m)		MAJOR/MINOR	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS						
FROM	TO	UNITS			FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t		
0.00	86.68	VHFELS												
0.00	1.74		CASING * VOLCANIC HORNFELS : (1.74 - 86.68) - dk green silic. f.gd. volcanic hornfels -low-mod fracturing -common carb and qtz stringers @ 80 & 40 CA - 1-3 % py as blebs & stringers in veins *											
1.74	3.66	vhfels	-mod recovery (70 %) -broken rock * 2.14 - 3.66 : -clay/seric alt - 2-3 % py as blebs -mod fract -limonite weathering along fract *	037976	1.74	3.66	1.92	0.01	0.01	0.02	0.02	0.001		
4.16	6.16	clyser	-clay/seric alt -mod fract w/ limonite along fract -qtz stringers @ 40 & 70 CA -py 1-2 % as blebs and isolated stringers *	037977	4.16	6.16	2.00	0.01	0.01	0.02	0.02	0.001		
6.21	6.51	brecc	-mod-strongly brecciated -limonite along fract -fract @ 70 CA -trace py *											
6.79	7.94	clyser	-clay/seric alt -upper contact sharp(follows fract) -trace Mn weathering -mod-strongly fract -trace py -carb & qtz stringers @ 80 & 40-50 CA; 40-50 stringers offset by 80	037978	6.79	7.94	1.15	0.01	0.01	0.01	0.01	0.001		

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-05

PAGE : 3

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
14.75	14.94	clseqz	-strongly fract * -clay/ser/sil alt -strongly fract -abundant carb & qtz stringers @ 40-50 CA -py 5-7 % as blebs & stringers @ 10-20 & 70-80 CA -gn 3-5 % as stringers assoc w/ py & as blebs -sphal 1-2 % assoc w/ galena *	037984	14.75	14.94	0.19	0.01	0.17	0.85	0.53	0.005
14.94	18.30	vhfels	-minor chl -minor fract -few carb & qtz stringers @ 70-80 & 20-40 CA - avg 3-5 % py as blebs *	037985	14.94	18.30	3.36	0.01	0.01	0.01	0.03	0.001
18.90	19.40	chl	-pervasive chl alt -strongly fract -hem in stringers -abundant qtz stringers @ 70-80 & 20-40 CA -highly disturbed *									
19.40	26.60	vhfels	-low-mod fract -trace py, f.diss -numerous qtz stringers @ 60 & 80 CA -few stringers of chl *									
26.60	27.13	clseqz	-pervasive clay/ser/sil alt -strongly fract -few carb stringers @ 50-60 CA -trace py in fract -few chl stringers *	037986	26.60	27.13	0.54	0.01	0.03	0.06	0.07	0.002
27.14	28.28	clseqz	-clay/ser/sil alt -strongly fract -few carb stringers @ 70-80 CA -py 25-35 % as stringers & blebs -galena 15-20 % as stringers & blebs -sphal 2-5 % assoc w/ galena -some mineralization w/i carb stringers	037987	27.14	28.28	1.14	0.06	3.25	2.45	13.19	0.035

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-05

PAGE : 4

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS						
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t		
			-lower portion of interval is progressively less altered and contains fewer sulfides -minor hem in stringers near lower contact											
29.33	29.45	clseqz	-clay/ser/sil alt -abundant carb & qtz stringers @ 70 CA offsetting stringers @ right angle to them -no sulfides -sharp contacts at both ends											
29.45	30.20	vhfels	-low-mod fract -py 1-2 %, f.diss -abundant qtz stringers @ 70-80 & 40-50 CA											
30.20	30.45	clseqz	-clay/ser/sil alt -mod-strongly fract -abundant qtz stringers @ 70-80 CA -py 2-3 %, blebs	037988	30.20	30.45	0.25	0.01	0.03	0.04	0.17	0.001		
31.33	31.63	clseqz	-clay/ser/sil alt -few fract -py 5-7 %, f. diss -galena 1-2 % as stringers	037989	31.33	31.63	0.30	0.01	0.06	0.06	0.84	0.015		
33.40	39.01	vhfels	-few fract -abundant carb & qtz stringers @ 70-80 CA -py 2-3 % f. dissem. isolated cubes - (unlikely to be of hydrothermal origin)											
40.92	42.31	vhfels	-few fract -minor chl stringers -abundant carb & qtz stringers @ 70-80 CA -trace py											
42.31	43.19	vhfels	-abundant chl stringers -mod fract -carb & qtz stringers @ 10-20 & 60-70 CA -py 2-5 % blebs and stringers	037990	42.31	43.19	0.88	0.01	0.01	0.01	0.06	0.001		

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-05

PAGE : 5

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
44.15	48.95	vhfels	-abundant chl stringers	037991	44.15	48.95	4.80	0.01	0.01	0.02	0.04	0.001
			-py 3-5 % blebs and stringers	038000	48.95	50.21	1.26	0.01	0.01	0.01	0.01	0.001
			-galena 1-2 % blebs and stringers	037992	50.21	52.00	1.79	0.01	0.01	0.01	0.01	0.001
51.20	52.00	chl	-pervasively chloritized -mod fract -few carb & qtz stringers @ 80 & 30-40 CA -py 3-5 % blebs and stringers									
52.00	53.00	clyser	-weak clay/ser alt -pervasively chloritized -py 3-5 % -intensely fractured -carb & qtz stringers parallel to CA	037993	52.00	53.00	1.00	0.01	0.01	0.01	0.02	0.001
53.00	54.40	clyser	-wk clay-seric alt, trace py									
54.40	54.60	clyser	-intense clay/ser alt -mod-strongly fract -few carb & qtz stringers @ 30-40 CA -py 7-10 % as stringers and blebs -galena 3-5 % as stringers	037994	54.54	54.60	0.06	0.02	0.01	0.01	0.03	0.001
54.60	55.60	clyser	-intense clay/ser -no sulfides	037226	54.60	55.30	0.70	0.01	0.01	0.01	0.01	0.001
55.60	57.76	vhfels	-few fract -mod carb & qtz stringers @ 30-40 CA -minor hem in stringers -py 3-5 % as blebs and stringers	037227	55.60	57.76	2.16	0.01	0.01	0.01	0.01	0.001
57.76	58.34	clseqz	-clay/ser/sil alt -low-mod fract -abundant chlorite stringers; minor carb & qtz stringers @ 60-70 CA -py 1-2 % -trace galena	037995	57.76	58.34	0.58	0.01	0.01	0.01	0.22	0.001
58.34	58.64	clyser	-intensely fract -abund qtz stringers @ 60-70 CA -py 20-25 % stringers	037996	58.34	58.64	0.30	0.45	5.18	3.47	91.44	0.284

HORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-05

PAGE : 6

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
58.64	59.20	clyser	-galena 10-15 % stringers -sphal 5-7 % assoc. w/ galena	037997	58.64	59.20	0.56	0.84	12.97	9.95	163.57	0.338
59.20	60.30	clyser	-galena 20-25 % as stringers and massive -py 10-15 % -sphal 5-7 % assoc w/ galena -epidote vein @ 60-70 CA	037998	59.20	60.30	1.10	0.45	4.50	3.64	90.94	0.293
60.30	62.60	clseqz	-intense clay/seric/qtz alt -mod-strong fract -carb and qtz stringers @ 40-60 CA -py 7-10 % stringers and blebs -gal 7-10 % stringers and blebs -sphal 3-5 % assoc w/ gn	037999	60.30	62.60	2.30	0.03	0.20	0.37	3.53	0.106
62.60	63.50	clyser	-mod clay/seric alt -strongly fract -abundant carb & qtz stringers @ 30-40 & 60-70 CA -py 3-5 % stringers & blebs -gal 3-5 % stringers and blebs -sphal 3-5 % assoc w/ gal and as stringers	037228	62.60	63.50	0.90	0.01	0.03	0.12	0.55	0.008
63.50	64.80	vhfels	-few fract, few carb & qtz stringers @ 40-60 CA -py 1-2 % as f.diss, abundant hem in vns									
64.80	66.20	chl	-mod chloritized -low-mod fract, few carb & qtz stringers @ 40-50 CA -py 3-5 % as blebs & stringers in vns -minor hem	037231	64.80	66.20	1.40	0.01	0.01	0.01	0.02	0.001
66.20	67.05	clyser	-mod clay/ser alt -mod-strong fract, qtz & minor carb stringers @ 30-40 & 70-80 CA	037229	66.20	67.05	0.85	0.01	0.01	0.01	0.01	0.001

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : RA-91-05

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INTERVAL(m)		MAJOR/MINOR	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	ASSAYS
FROM	TO	UNITS			FROM	TO							
			-py 2-3 % as blebs & stringers in vns -upper & lower contacts gradational										
67.05	67.60	clyser	-intense clay/ser alt -abundant hem in vns, py 2-3%	037230	67.05	67.60	0.55	0.01	0.01	0.01	0.02	0.001	
67.60	70.66	chl	-weak chl alt -mod-strong fract, carb & qtz stringers @ 30-40 & 80-90 CA -py 3-5 % as blebs & stringers, decreases to 1-2 % @ end of interval	037232	67.60	70.66	3.06	0.01	0.01	0.01	0.01	0.001	
70.66	70.86	clyser	-mod clay-seric alt. -carb & qtz stringers @ 70-80 CA, wk-mod fract, py 2-3 % as blebs & stringers -abundant chl stringers in fract	037233	70.66	70.86	0.20	0.01	0.01	0.01	0.01	0.001	
70.86	72.40	chl	-wk chl alt -low fract w/ carb & qtz stringers @ 20-30 CA, py 2-3 % as f. diss, blebs, stringers	037234	70.86	72.40	1.54	0.01	0.01	0.01	0.01	0.001	
72.40	73.50	brecc	-intense fract -chl in fract, py 1-3 % as diss, blebs, stringers	037235	72.40	73.50	1.10	0.01	0.01	0.01	0.01	0.001	
				037236	74.20	75.00	0.80	0.01	0.06	0.21	0.17	0.006	
74.50	75.00	clyser	-intense alt -strong fract, minor carb & qtz stringers @ 50-60 CA -py 7-10 % as blebs & stringers in fract -gal 7-10 % as blebs & stringers in fract -sphal 3-5 % assoc w/ gal, 1 contact sharp										
75.00	75.10	brecc	-vhfls, intensely brecc, tr py										
75.10	78.94	vhfels	-low-mod fract, mod carb & qtz stringers @ 50-60 CA, py 1-2 % f.diss, minor hem, minor hem										
78.94	82.00	chl	-minor chl alt, minor fract, py 2-3 % in fract & f.diss, few qtz stringers @ 30 CA	037237	78.94	82.00	3.06	0.01	0.01	0.01	0.01	0.001	
82.00	82.95	brecc	-mod fract, 2-3 % py as diss & in fract	037238	82.00	82.95	0.95	0.01	0.01	0.01	0.01	0.001	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-05

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INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
85.10	85.78	vhfels	-low fract, few carb stringers @ 70-80 CA -py 3-5 % as blebs & minor stringers in fract	037239	85.10	85.78	0.68	0.01	0.01	0.01	0.01	0.001
85.78	86.68	brecc	-intensely brecciated -abundant carb stringers @ 40-50 & 70-80 CA, minor chl, 2-3 % py as blebs & minor stringers	037240	85.78	86.68	0.90	0.01	0.01	0.01	0.02	0.001
86.68	89.81	FA AND	- HORNFEISED FELDSPAR/ANIGITE ANDRESITE - dk green w/ remnant feldspars - low-mod fract; abund carb/qtz stringers @ 70-80 to CA; 2-3% py diss & blebs									
86.68	87.45	qtzcar	- abund qtz/carb stringers @ 70-80 to CA - 2-3% py blebs & diss	037241	86.68	87.45	0.77	0.01	0.01	0.01	0.01	0.001
87.95	89.81	qtzcar	- few qtz/carb stringers @ 60-70 to CA; minor chl stringers; 2-3% py blebs & stringers	037242	87.95	89.81	1.86	0.01	0.01	0.01	0.01	0.001
89.81	100.28	VHFELS	VOLCANIC HORNFEELS - as above - NOTE: few carb/qtz stringers @ 50-60 to CA; 1-2% py blebs & stringers									
90.74	94.50	chl	- wk chl alt; low-mod fract; 2-3% py as f.diss & stringers	037243	90.74	93.60	2.86	0.01	0.01	0.01	0.01	0.001
94.50	99.28	hem	- minor hem in fractures									
99.28	100.28	py	- 3-5% py blebs & stringers; mod-str fract - carb/qtz stringers @ 40-60 to CA; minor chl stringers BOH = 100.28	037244	99.28	100.28	1.00	0.01	0.01	0.01	0.01	0.001

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-06
Grid System : Main/Gibson
Collar Eastings : 40045.000
Collar Northings : 40120.000
Collar Elevations : 1376.000
Collar Bearing : 211.00
Grid Baseline : 131.00

Collar Inclination : -45.00
Grid Bearing : 41.00
Final Depth : 100.28
Claim No. : Eagle 1

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Logged by : Fraser Stewart
Date : June 8 - June 9
Downhole Survey : acid test
Drilled By : Van Alphen
Core Size : BD

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	ASSAYS
FROM	TO				FROM	TO							
0.00	75.95	DIOR											
0.00	2.14		CASING	40776	2.14	5.07	2.93	0.01	0.01	0.01	0.06	0.001	
			DIORITE / MONZONITE : (2.14 - 75.95) - dark grey to blackish grey med grained equigranular mesocratic intrusive - comprised of 35-50 % plag, 1-10 % k-spar 5-15 % magnetite, 5-10 % biotite, 15-20 hornblende and tr-1 % quartz - wkly fract w qtz-carb stringers with fairly random orientations (stockwork) - strongly magnetic - some rare potassic alteration - minor hematite w qtz-carb vnlts - sulfides present include cpy and py, but there is also what appears to be cuprite										
5.07	7.60	cpy	- wk to mod fract. w common qtz-carb-hem stringers @ 60-75 to CA	40777	5.07	6.10	1.03	0.85	0.01	0.13	0.26	0.007	
			- rock is relatively fresh with wk chl alt confined to fractures - common cpy-py stringers w up to 1.5 cm blebs not uncommon - 3-5 % cpy and 2 % py as stringers and blebs	40778	6.10	7.60	1.50	0.37	0.01	0.02	0.20	0.002	
7.60	16.00	cpy	- mod to strongly fract w common qtz-carb stringers @ 20 and 70 to CA both contain sulfides - 8-10 % cpy and 2 % py as vnlts and large blebs up to 1.5 cm wide - 2-3 % hematite (cuprite ?) - this zone has been pervasively chlorite altered breaking down all the mafics making the rock appear dk green to black	40779	7.60	9.05	1.45	1.75	0.01	0.04	0.32	0.022	
				40780	9.05	10.40	1.35	1.45	0.01	0.01	0.17	0.033	
				40781	10.40	11.89	1.49	3.01	0.01	0.02	0.26	0.028	
				40782	11.89	13.30	1.41	2.58	0.01	0.01	0.18	0.021	
				40783	13.30	14.73	1.43	2.21	0.01	0.01	0.31	0.025	
				40784	14.73	16.00	1.27	0.73	0.01	0.01	0.06	0.007	

HORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
 HOLE No. : EA-91-07
 Grid System : Main/Gibson
 Collar Eastings : 40110.000
 Collar Northings : 40135.000
 Collar Elevations : 1378.000
 Collar Bearing : 210.00
 Grid Baseline : 131.00

Collar Inclination : -45.00
 Grid Bearing : 41.00
 Final Depth : 106.38
 Claim No. : Eagle 1

PAGE : 1

Logged by : Regan Chernish
 Date : June 9 - June 10
 Downhole Survey : acid test
 Drilled By : Van Alphen
 Core Size : BD

INTERVAL(m)		MAJOR/MINOR	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	ASSAYS
FROM	TO	UNITS			FROM	TO							
0.00	106.38	DIOR	CASING										
0.00	2.75		DIORITE / MONZONITE : (2.75 - 106.38) - dk grey green equigranular mesocratic intrusive - 35-45 % plagioclase, 5-15 % magnetite, 5-15 % hornblende and 5-10 % biotite - mod magnetic - wk-mod fract, occasional carb and qtz stringers @ 50-60 to CA - preferential fracture of core @ 50-60 to CA - rare pot/ep alt, tr-0 sulfides										
2.75	4.27	chl	-wk chl alt with minor pot alt -rare carb stringers at 50-60 to CA	40893	2.75	4.27	1.52						
4.27	5.27	pot	-wk pot alt with v wk chl alt -wk-mod fract at 40-50,20-30 to CA -rare carb stringers at 40-50 and 80-90 CA -minor hem in fract	40801 40894	4.27 5.27	5.27 6.75	1.00 1.48	0.02	0.01	0.01	0.01	0.001	
5.50	6.75	pot	-wk pot alt -wk-mod fract, few carb stringers at 20-30 to CA, several fractures parallel to CA, remainder 50-60 to CA, no sulfides										
6.75	9.80	chl	-mod-strong chl alt w/ tr pot -wk-mod fract, few parallel to CA, most 40-50 to CA -few carb stringers at 40-50 to CA, 'rust' weathering along fractures, tr-0 py -8.65-8.75 : brecc, carb vns at 20-40 CA	40802	6.75	9.80	3.05	0.01	0.01	0.02	0.01	0.001	

HORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-07

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INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
9.80	10.88	pot	* -wk-mod pot alt, tr ep -wk-mod fract, few parallel to CA most @ 40-50 to CA; few qtz and carb stringers @ 40-50 to CA; tr-0 sulfides, tr hem (cuprite ?)	40803	9.80	11.40	1.60	0.01	0.01	0.01	0.01	0.001
11.10	11.40	chl	* -v.wk chl alt, mod fract w/ few carb stringers radiating from 10-50 to CA, tr cpy	40895	11.40	12.47	1.07					
11.65	11.80	pot	* -wk-mod pot alt in 5 mm carb vn at 50-60 to CA, tr hem(cuprite ?) adj to fract									
12.47	13.27	pot	* -mod pot alt w/ wk ep and minor chl, mod fract at 40-50 to CA, carb stringers at 40-60 to CA; tr cpy	40808	12.47	13.27	0.80	0.02	0.01	0.01	0.01	0.001
13.27	14.02	dior	* -tr py	40896	13.27	13.92	0.65					
14.72	14.92	pot	* -mod pot alt w/ minor ep; mod-strong fract with carb vns at 60-70 to CA	40897	13.92	17.28	3.36					
15.30	15.40	vn	* -5 mm wide carb vn at 40-50 to CA; pot alt in vn; minor hem(cuprite ?)									
15.54	17.00	hem ?	* - 1-2 % hem(cuprite ?) as blebs; tr-0 sulfides									
17.28	18.25	pot	* -mod-strong pot alt w/ abund ep in fract -mod-strong fract, few carb stringers at 40-50 to CA; tr-1 % cpy	40806 40885	17.28 18.25	18.25 19.00	0.97 0.75	0.02 0.02	0.01	0.01	0.01 0.02	0.001 0.001
19.00	21.30	potep	* -mod pot/ep alt; mod-strong fract, few carb stringers at 30-40, 50-60 to CA -tr-1 % py, cpy; ep in fract; tr hem (cuprite ?)	40807 40898	19.00 21.30	21.30 24.38	2.30 3.08	0.02	0.01	0.01	0.01	0.001
22.05	22.35	chl	* -mod chl alt; tr-0 sulfides	40899	24.38	26.80	2.42					
25.15	25.50	chl	* -strong chl alt w/ minor pot, ep; tr hem	40900	26.80	28.40	1.60					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-07

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INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
			(cuprite ?)	40810	28.40	29.57	1.17	0.02	0.01	0.01	0.01	0.001
28.50	28.90	ep	-abund ep in fract w/ wk pot alt; no fract w/ few carb stringers at 40-50 and 70-80 to CA; tr sulfides									
			29.37-29.38 : carb vn at 30-40 to CA w/ 5-10 % cpy, 2-5 % py									
29.57	32.00	dior	-tr hem(cuprite ?), tr cpy, py	40886	29.57	32.00	2.43	0.03		0.04	0.001	
32.00	32.50	vn	-carb vn parallel to CA, offsets other fract; tr hem(cuprite ?), tr-0 sulfides	40887	32.00	34.50	2.50	0.02		0.01	0.001	
32.55	32.92	brecc	-strongly fract at 10-20 to CA									
33.33	33.48	vn	-several 5 mm carb vns at 90 and 30-40 to CA									
33.75	34.30	brecc	-strongly fract at 10-20 to CA									
34.50	35.35	pot	-v.wk pot alt; few fract w/ few carb stringers at 20-40 to CA; minor ep; abund hem(cuprite?) in vns and blebs	40812 40888	34.50 35.35	35.35 35.58	0.85 0.23	0.02 0.01	0.01	0.01 0.01	0.002 0.001	
35.58	36.53	chl	-wk chl alt; few fract, few carb stringers at 20-40 to CA; tr hem(cuprite?), tr-1 % py	40813	35.58	36.53	0.95	0.05	0.01	0.01	0.02	0.001
			-35.88-35.91 : 1.5 cm wide carb vn @ 40-50 to CA; 3-5 % cpy and 2-3 % py as stringers and blebs									
36.53	37.28	hem ?	- 2-3% hem(cuprite?) as blebs and stringer -low-mod fract, few carb stringers @ 30-40 to CA; tr chl	40814	36.53	37.28	0.75	0.02	0.01	0.01	0.01	0.001
37.28	38.05	dyke	-f.gd mafic diabase dike; contacts v. sharp at 80-90 to CA, 1-2 % py as f.diss and blebs; mod-strong fract, carb stringers @ 0-30 CA	40815	37.28	38.05	0.77	0.01	0.01	0.01	0.01	0.001

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-07

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INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
38.05	38.30	carb	-wk fract w/ carb stringers at 20-30 and 90 to CA; 2-3% py and tr cpy as stringers in fract	40816	38.05	39.10	1.05	0.02	0.01	0.01	0.01	0.001
38.50	38.60	ep	-strong ep alt w/ minor pot; strong fract									
39.10	40.00	hem ?	- 2-3 % hem(cuprite?) as blebs	40817	39.10	40.00	0.90	0.02	0.01	0.01	0.03	0.001
40.30	40.70	pot	-mod pot alt w/ minor ep; strongly fract w/ few carb stringers @ 40-50 & parallel to CA; minor hem(cuprite?)	40889	40.00	41.36	1.36	0.01			0.03	0.001
41.31	43.40	chl	-strong chl alt; wk fract at 40-50 to CA - 2-3 % py, 1-2 % cpy as blebs & stringers - 1-2 % hem(cuprite?)	40818	41.36	43.40	2.04	0.09	0.01	0.01	0.01	0.001
43.40	44.20	potep	-mod-strong pot/ep alt; mod-strong fract w/ qtz & carb vns & stringers @ 10 & 90 to CA; 1-2 % cpy, 1-2 % py as blebs and f.diss; minor chl	40819	43.40	44.95	1.55	0.04	0.01	0.01	0.01	0.001
44.95	46.33	vn	-mod fract with 5 mm vn @ 0 to CA; minor ep,chl; 2-3 % cpy, 1-2 % py as blebs with minor hem(cuprite?)	40820	44.95	46.93	1.98	0.04	0.01	0.01	0.01	0.001
46.33	46.63	clay	-mod clay alt of plag									
46.93	48.16	chl	-pervasive chl alt; strongly fract w/ carb vn at 30-40 to CA; 2-3 % hem(cuprite?) - 2-3 % cpy, 1-2 % py as blebs and stringers	40821	46.93	48.16	1.23	0.03	0.01	0.01	0.02	0.001
48.16	51.21	cpy,py	-strong chl alt; mod-strong fract, mod carb stringers at 40-60 CA; 5-7 % cpy, 2-3 % py as blebs and stringers; minor clay alt in fract	40822	48.16	51.21	3.05	0.53	0.01	0.01	0.06	0.004
51.21	56.80	cpy,py	-wk chl alt; wk-mod fract w/ carb stringers @ 30-40,120-130 to CA; - 5-7 % cpy, 2-3 % py as blebs & stringers	40879 40880	51.21 54.25	54.25 56.80	3.04 2.55	0.74 0.53	0.01 0.01	0.01 0.01	0.07 0.04	0.005 0.006

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : BA-91-07

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INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
56.80	57.30	chl	minor clay alt in fract * -mod chl alt; mod fract w/ carb vns @ 30-40 & 40-50 to CA (vn width .5-1.0 cm) w/ cpy in vns; - 7-10 % cpy, 5-7 % py as blebs and stringers *	40823	56.80	57.30	0.50	1.04	0.01	0.01	0.07	0.008
57.30	59.70	cpy,py	-strong chl alt; strongly fract w/ few carb vns @ 80-90 to CA and abundant carb stringers @ 50-60 to CA; mod clay alt of plag; - 10-12 % cpy, 7-10 % py as blebs & stringers parallel to carb stringers; - minor hem(cuprite?) as blebs * -58.30-58.80 : strong clay alt, 5-7 % cpy 3-5 % py *	40824	57.30	59.70	2.40	1.83	0.01	0.02	0.15	0.016
59.70	60.66	cpy,py	-wk chl alt; wk fract w/ few carb stringers @ 70-80 to CA; 3-5 % cpy, 3-5 % py as stringers, mod alt of plag over lower 50 cm of sub unit *	40825	59.70	60.66	0.96	0.26	0.01	0.01	0.02	0.002
60.66	61.45	cpy,py	-pervasive clay alt; mod chl stringers; mod fract w/ carb vns and stringers @ 50-60 to CA; mineralization occurs in vns and stringers - 2-3 % cpy, 2-3 % py as blebs & stringers - tr hem(cuprite?) *	40876	60.66	61.45	0.79	0.11	0.01	0.01	0.01	0.001
61.45	63.25	cpy,py	-wk-mod clay alt of plag w/ minor chl; wk fract w/ few carb stringers @ 30-40 to CA and parallel to CA; - 2-3 % cpy, 2-3 % py as diss,blebs and stringers; lower boundry grades into dior *	40878 40890	61.45 63.25	63.25 63.90	1.80 0.65	0.16 0.11	0.01	0.03	0.04 0.03	0.001 0.001
63.90	65.33	pot	-wk-mod pot alt w/ minor ep.chl; mod-strong fract w/ few carb vn(2mm) & stringers @50-60 to CA; 1-2 % cpy, 1-2 % py as blebs and stringers; carb vns cut *	40877	63.90	65.33	1.43	0.03	0.01	0.01	0.02	0.001

HORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-07

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INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS					
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	
			ep stringers and pot and ep conc increase near bottom contact										
65.33	66.90	chl	-wk chl alt; tr py; mod fract & carb stringers @ 30-40 & 50-60 to CA, 2-3% hem	40891	65.33	68.28	2.95	0.02			0.01	0.001	0.
66.90	68.28	chl	-mod chl alt; mod fract & carb stringers @ 40-50 to CA, rare pot, tr-0 sulfides	40881	68.28	68.68	0.40	0.03	0.01	0.01	0.01	0.001	
68.60	72.20	clqtz	-pervasively clay/qtz altered; strongly fract, abundant qtz vns (3-5mm) and stringers @ 40-50 & 10-20 to CA respectively; tr-0 sulfides; tr hem	40883 40884	68.68 72.00	72.00 72.40	3.32 0.40	0.01 0.02	0.01 0.01	0.01 0.01	0.01 0.01	0.001 0.001	
72.20	72.85	chl	-wk chl alt; plag destructive clay alt	41101	72.40	74.15	1.75						
72.85	73.65	clqtz	-mod clay/qtz alt; no fract										
73.65	79.15	chl	-wk-mod chl alt; few fract @ 10-20,70-80 & 0 to CA; 3-5 % hem	41102 41103	74.15 77.85	77.85 79.75	3.70 1.90						
79.15	84.45	chl	-wk-mod chl alt; tr hem; mod fract @ 0,30-40, & 70-80 to CA	41104 41105	79.75 82.52	82.52 85.25	2.77 2.73						
84.45	84.50	vn	-pot alt of vn @ 40 to CA, 2 cm thick										
84.65	87.10	chl	-wk-mod chl alt; mod fract @ 20-30 & 60-70 to CA; few carb stringers at 20-30 to CA tr cpy,py,hem	41106 40890	85.25 87.00	87.00 88.00	1.75 1.00						
87.10	87.17	potchl	-strong pot/chl alt; brecc, fract @ 70-80 to CA; 1-2 % cpy as stringers										
87.17	87.69	chl	-wk chl alt										
87.69	87.84	pot	-10 cm wide pot alt zone @ 40-50 to CA										
87.84	93.70	clychl	-wk-mod clay/chl alt; mod-strong fract @ 0 and 30-40(youngest) to CA	41107 41108 41109	88.00 90.82 93.30	90.82 93.30 96.50	2.82 2.48 3.20						
93.70	93.75	pot	-pot alt @ 60-70 to CA, brecc, abundant	41110	96.50	98.85	2.35						

MEMORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-08
Grid System : Main/Gibson
Collar Eastings : 39850.000
Collar Northings : 40000.000
Collar Elevations : 1376.000
Collar Bearing : 41.00
Grid Baseline : 131.00

Collar Inclination : -60.00
Grid Bearing : 41.00
Final Depth : 121.92
Claim No. : Eagle 1

PAGE : 1

Logged by : Fraser Stewart
Date : June 11 - June 12
Downhole Survey : acid test
Drilled By : Van Alphen
Core Size : BD

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	ASSAYS
FROM	TO				FROM	TO							
0.00	121.92	DIOR	CASING										
0.00	5.00		DIORITE : (5.00 - 121.92) - medium to coarse grained mesocratic equigranular intrusive that grades from a very typical 'diorite' to a coarser grained gabbroic textured phase - these gradations occur over a few cm - both phases are comprised of the same minerals but in slightly different proportions : 35-50 % plagioclase, 15-25 % hornblende, 5-15 % pyroxene, 5-100 % mag and 5-15 % biotite (red to black) - wkly fract w few qtz-ep +/- chl stringer and rare fract cont pot alt - common zones of magnetite flooding that may consist of 5-10 % dissem. mag to massive magnetite - v. strongly magnetic - tr py										
5.00	6.20	mag	- massive magnetite zone completely replac all of the original rock - very strongly magnetic	40855	5.00	6.40	1.40	0.01	0.01	0.01	0.02	0.001	
11.25	11.27	ep	- ep vnl @ 60 to CA, tr py										
11.95	19.27	mag	- mod fract. w strong perv magnetite flooding ; 8-10 % dissem. mag w several narrow zones of massive magnetite - common pot-ep alt on fract. - phases alternate between the coarser grained gabbroic phase and the typical m.gd. diorite, gradational contacts over a few cm	40856 40857	14.90 17.80	16.40 19.25	1.50 1.45	0.01 0.01	0.01 0.01	0.01 0.01	0.01 0.01	0.001 0.001	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-08

PAGE : 2

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS											
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t							
19.27	19.50	dyke	- syenite dyke @ 50 to CA, lt pink m.gd.																
19.50	25.30	mag bt	- coarser grained gabbroic textured unit w common ep on fractures and common red brown biot books - rare small qtz stringers - wk mag flooding (5-6 % dissem) and few narrow (5-10 cm) massive mag zones - strongly magnetic - common chl-ep alt of mafics along fract - rare pot alt - tr py	40858	20.60	22.00	1.40	0.01	0.01	0.01	0.02	0.001							
25.30	43.00	mag	- very intense magnetite flooding (30-40 % dissem. mag) w common massive mag zones - strong chl-ep alt on fractures - very strongly magnetic - few qtz stringers, rare potassic alt. - tr py	40859 40860 40861 40862 40863	27.40 31.80 36.00 38.40 40.90	28.85 33.22 38.40 40.90	1.45 1.42 2.40 2.50 2.10	0.01 0.01 0.01 0.01 0.09	0.01 0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01	0.01 0.01 0.02 0.01 0.04	0.001 0.001 0.001 0.001 0.001							
			28.55 - 28.95 : coarse grained syenitic dyke w wk chl alt - could be pot flooding (?)																
			36.27 - 36.90 : massive magnetite vn - (100 % magnetite)																
			40.25 - 40.35 : qtz vn breccia w tr py																
			41.75 - 43.00 : massive mag w tr-1 % cpy blebs and strong fract. contr. chl alt																
43.00	121.92	dior	- wk to mod fract w common to few carb stringers and rare pot alt along fract - rare wk chl alt of mafics along fract - few talc stringers - rare red brown biotite - tr-0 % sulfides	40864	43.00	44.80	1.80	0.04	0.01	0.01	0.01	0.001							

HORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : Eagle
HOLE No. : EA-91-09
Grid System : Main/Gibson
Collar Eastings : 40125.000
Collar Northings : 40400.000
Collar Elevations : 1379.000
Collar Bearing : 221.00
Grid Baseline : 131.00

Collar Inclination : -60.00
Grid Bearing : 41.00
Final Depth : 121.92
Claim No. : Eagle 1

Logged by : Fraser Stewart
Date : June 10 - June 11
Downhole Survey : acid test
Drilled By : Van Alphen
Core Size : BD

INTERVAL(m)		MAJOR/MINOR	DESCRIPTION	SAMPLE	INTERVAL(m)		SAMPLE	ASSAYS				
FROM	TO	UNITS			NUMBER	FROM		TO	WIDTH	Cu	Pb	Zn
								%	%	%	oz/t	oz/t
0.00	121.92	DIOR	CASING									
0.00	1.70		DIORITE : (1.70 - 121.92) - dk grey green to grey black mesocratic med to coarse grained equigranular intrusive (gabbro textured ?) - mod to strongly fractured w few qtz-pot +/- carb stringers and wk chl alt of mafics and stringers - comprised of 35-50 % plagioclase, 15-20 % hblende, 5-15 % pyroxene, 5-15 % mag and 1-10 % biotite (some secondary) - common red brown biotite and ep stringer - several narrow zones of mag flooding - 15-30 % dissem. mag to narrow massive mag veins									
1.70	3.80	brok	- badly broken rock w about 60 % recovery - common chl-pot-ep alt on fractures									
3.80	5.40	qzptcl	- strongly fract w abund qtz-pot-chl stringers and mod perv chl alt - common local ep alt around fractures	37851	4.30	7.00	2.70	0.07			0.08	0.001
5.40	5.79	chlgtz	- int. perv chl-qtz alt completely replacing diorite - dark greenish black fine grained soft (first appearance ?)									
5.79	25.70	chl	- wk to mod fract w common wk chl +/- carb and few qtz-pot stringers - rare ep alt and rare red brown biotites - several small shears (<10 cm) w perv chl alt and tr cpy	37852 37853 37854	9.80 15.23 20.90	10.89 16.60 22.20	1.09 1.37 1.30	0.05 0.08 0.06		0.03 0.05 0.11	0.001 0.001 0.001	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-09

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INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu	Pb	Zn	Ag	Au
								g	g	g	oz/t	oz/t
			9.75 - 10.25 : shear zone w strong perv qtz-chl alt + 5-10 % disse mag									
			10.25 - 11.00 : strongly fract w common qtz-chl stringers and red brown biotite									
			11.00 - 11.60 : shear zone w strong perv qtz-chl alt									
			14.80 - 15.00 : perv clay-chl-ep alt zone - bleaching along fractures									
			16.20 - 16.80 : int perv qtz-mag flooding w common lge red brown biot flakes - v strongly magnetic - common chl stringers - tr cpy									
			16.80 - 21.00 : common fract controlled qtz-mag-bt alt w common chl-ep stringers - some local clay alt on fractures - common red brown biotite flakes - tr-0 % cpy									
			21.00 - 25.70 : strong perv qtz-mag-bt alt w common ep-chl alt on fractures - mod to strongly magnetic w 10 - 20 % disse mag - tr py, tr-0 % cpy									
25.70	32.00	epid	- wk to mod fract w strong perv epidote alt (first major appearance) that has replaced mainly the feldspars - few chl-qtz stringers - rare red brown biotite books - very little (1 %) magnetite left in the ep zones and no further mag enrichment other than primary mag	37855 37856	26.42 29.20	29.20 32.05	2.78 2.85	0.11 0.08			0.05 0.05	0.001 0.001

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-09

PAGE : 3

INTERVAL(m) FROM TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
32.00 34.65	dyke	Volcanic Dyke : f.gd. dark green siliceous	37857	32.08	34.60	2.52	0.03			0.01	0.002
		volcanic dyke - wkly fract w stringers of ep-gtz-pot alt - both contacts sharp @ 50 to CA	37858	34.60	37.37	2.77	0.05			0.07	0.001
		33.50 - 34.00 : int perv ep alt completely replacing host rock									
34.65 35.45	mag	- back in to the coarse grained diorite									
		- strongly fract w perv mag flooding and massive mag-gtz zones - common ep, rare pot alt - rare red brown bt - tr py, tr-0 % cpy and tr-0 % bornite									
35.45 45.20	ep bt	- mod fract w common epidote and red brown	37859	37.37	40.20	2.83	0.08			0.08	0.002
		biot and fract cont pot-mag-gtz stringer	37860	40.20	43.16	2.96	0.03			0.06	0.002
			37861	43.16	46.05	2.89	0.02			0.04	0.001
		39.60 - 39.75 : int perv epidote alt w gtz-mag alt - tr cpy									
		39.75 - 42.86 : mod fract w wk perv mag flooding (10-15 % dissem mag) and common ep-gtz-chl alt and rare pot alt - tr cpy and tr-0 % born									
45.20 51.35	mtqzbt	- mod to strongly fract w strong perv mt-	37862	46.05	48.46	2.41	0.03			0.07	0.009
		qtz-bt alt - common qtz stringers w trace py and cpy - common blotchy epidote alt and red brown biotite - rare pot alt	37863	48.46	51.35	2.89	0.01			0.07	0.001
51.35 80.00	chlgtz	- very coarse grained wkly fract diorite	37864	54.20	55.40	1.20	0.01			0.05	0.001
		- comm chl stringers and few qtz-pot vnltz	37865	60.84	62.30	1.46	0.01			0.02	0.001
		- wk fract contr mag-bt alt and some narrow zones of massive mag (3-5 cm)	37866	63.70	65.20	1.50	0.01			0.03	0.001
		- some qtz stringers have mt-chl+/-ep	37867	72.60	74.00	1.40	0.01			0.09	0.001
		- tr cpy and py	37868	76.35	77.75	1.40	0.01			0.07	0.001

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : Eagle
HOLE No. : EA-91-10
Grid System : Main/Gibson
Collar Eastings : 39950.000
Collar Northings : 40400.000
Collar Elevations : 1360.000
Collar Bearing : 221.00
Grid Baseline : 131.00

Collar Inclination : -60.00
Grid Bearing : 41.00
Final Depth : 105.46
Claim No. : Eagle 1

Logged by : Regan Chernish
Date : June 12 - June 13
Downhole Survey : acid test
Drilled By : Van Alphen
Core Size : BD

INTERVAL(m)		MAJOR/MINOR	DESCRIPTION	SAMPLE	INTERVAL(m)		SAMPLE	ASSAYS				
FROM	TO	UNITS			NUMBER	FROM		TO	WIDTH	Cu %	Pb %	Zn %
0.00	32.60	DIOR	CASING									
0.00	1.25		DIORITE/MONZONITE : (1.25 - 32.60) - dark grey green equigranular mesocratic intrusive, strongly magnetic, wk fract; few qtz and carb stringers; rare chl,ep, clay, and pot alt; tr-0 py as f.diss									
1.25	1.75		-moderate recovery (60%)									
1.75	5.20	ep	-wk-mod ep alt w/ minor clay alt; wk fract w/ few 1 cm carb vns at 80-90 to CA and fract at 40-50, 80-90 and 0 to CA; 1-2 % py as f.diss and tr-0 cpy; 3-5% red biot; minor ep and clay alt along fract	37876	1.75	4.55	2.80	0.08			0.06	0.001
5.20	5.50	vn	-1 cm qtz vns at 0 to CA w/ mod ep alt adj to and w/i vns; minor pot alt									
5.50	7.70	ep	-wk ep alt; wk fract at 40-50 and 80-90 to CA; minor chl along fract; tr-1% sulfides f.diss; 3-5% red biot									
7.70	7.90	ep	-strong ep alt with gradational boundaries									
8.25	8.40	ep/chl	-strong ep and chl alt along fractures at 40-50 to CA									
9.00	11.00	ep	-wk-mod ep alt primarily along fractures but as blebs as well; mod fract @ 30-40, 70-80 & 80-90 to CA w/ few carb and qtz vns @ 50-60 & 70-80 to CA; tr f.diss cpy; 2-3% red biot	37877	9.00	12.00	3.00	0.05			0.07	0.001

*.059 % Cu
over 21.97 m*

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-10

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INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
32.60	53.40	M.MAG	MAGNETITE FLOODED ZONE: original texture of rock is masked by mag -mag is f.gd & coarse; minor chl,ep alt; wk fract @ 20-30 to CA w/ few carb stringers @ 60-80 to CA	37886	32.60	35.05	2.45	0.01			0.05	0.001
33.22	34.12	ep/chl	-intense ep/chl alt; rx has sheared text @ 40-50 to CA; few carb/qtz vns @ 40-50 to CA; minor hem; 15-20% mag									
34.12	35.85	mag	-intense mag flooding;abund carb stringers -wk ep; 1-2% red biot; rare pot/chl alt	37887	35.05	37.84	2.79	0.01			0.03	0.001
35.85	36.58	chl	-pervasive chl alt; mod fract; abund carb vns & stringers @ 40-50 to CA; 2-3% red biot; minor pot alt									
36.58	37.80	chl	-wk-mod chl alt; mod-str fract @ 70-80 to CA; carb stringers @ 120-130; 3-5% red biot; chl mainly in fract									
37.80	39.66	mag	-mag flooding; mod fract w/ mod ep alt in and near fract									
39.66	40.21	ep	-pervasive ep alt; str fract; tr red biot	37888	39.66	42.30	2.64	0.02			0.01	0.001
40.21	40.81	cpy/py	-str chl alt; 1-2% cpy,py as blebs & stringers in carb vns; mod-str fract; stringers & vns @ 10-20,70-80 to CA									
40.81	41.80	mag	-mag flooding; mod ep alt in fract; str fract w/ qtz/carb stringers/vns @ 20,40-50,130-140 to CA; tr red biot									
41.80	41.91	ep	-pervasive ep alt; 3-5% py as diss & blebs str fract; stringers & vns @ 20-30 are youngest									
41.91	42.91	clay	-mag flooding w/ clay alt; str fract; qtz stringers; rare ep spots; chl in fract	37889	42.30	45.10	2.80	0.01			0.07	0.001

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-12

PAGE : 3

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	Cu %	Pb %	Zn %	ASSAYS		
FROM	TO				FROM	TO					Ag oz/t	Au oz/t	
28.85	30.18	cpy/py	* -str pot alt; 1-2% cpy, 1-2% py as blebs; wk-mod fract w/ few qtz stringers x-cutting all @ 20-30,30-40 to CA; minor ep/chl	41131	29.15	31.30	2.15	1.15			0.15	0.006	
			* - 29.00-29.50: str chl alt; 3-5% cpy, 2-3% py as blebs & stringers; few blk chl vns										
30.18	30.78	cpy/py	* -str chl alt w/ minor pot; 5-7% cpy, 2-3% py as blebs & stringers; few blk chl vns; qtz stringers @ 80-90 to CA cut all										
30.78	31.60	chl	* -wk-mod chl alt; wk-mod fract @ 60-70 to CA w/ few qtz stringers @ 40-50 to CA cut all; 5mm blk chl vn @ 0-5 to CA w/ 1-2% cpy as f.diss; tr hem	41132	31.30	33.83	2.53	0.77			0.13	0.021	0.
31.60	33.40	cpy/py	* -str chl alt; mod blk chl alt as vns; 5-7% py, 3-5% cpy as blebs & minor stringers; wk-mod fract w/ blk chl stringers & vns @ 30-40 to CA & qtz stringers cutting @ 0, 120-130 to CA; minor pot around some vns; tr hem; minor ep blebs										
33.40	34.10	pot	* - mod-str pot alt w/ minor chl; str fract abund chl stringers @ 40-70 to CA; 1-2% cpy as f.diss; abund hem in qtz stringers @ 30-40 to CA	41133	33.83	36.40	2.57	0.24			0.07	0.007	0.
34.10	34.80	cpy/py	* -str chl alt w/ minor pot; mod-str fract w/ no orientation; few qtz/hem stringers @ 30-40,110-120 to CA; 2-3% cpy, 1-2% py as f.diss and blebs										
35.30	35.70	chl	* -str-perv chl alt w/ minor pot; v.broken core w/ abund hem stringers @ 30-40 to CA - 5-7% py as blebs & stringers										
35.70	36.00	pot	* -mod-str pot alt; mod fract @ 70-80 to CA; minor hem in few qtz stringers @ 5-10 to	41134	36.40	38.30	1.90	0.08			0.01	0.001	0.

HORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-12

PAGE : 4

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	ASSAYS
FROM	TO				FROM	TO							
36.70	37.00	potchl	CA; 1-2% cpy, py as f.diss -mod-str pot/chl alt; 1-2% cpy,py as blebs & f.diss; minor ep; mod-str fract w/ 40-50 to CA w/ abund qtz stringers; min hem										
37.00	37.20	chl	-wk chl alt; tr-1% f.diss sulfides										
37.20	37.90	chl	-mod chl alt; mod-str fract w/ abund chl stringers @ 40-50 to CA; tr-1% cpy,py as blebs										
37.90	39.70	chl	-intense pervasive chl alt; no orig text; core badly broken; 1-2% cpy,py as f.diss and blebs	41135	38.30	41.10	2.80	0.07			0.01	0.001	0.
39.70	41.50	chl	-str chl alt; mod fract w/ abund qtz & hem stringers @ 50-60 to CA; 1-2% py, tr-1% cpy as diss - 41.45-41.46: lcm vn of cpy @ 90 to CA	41136	41.10	42.67	1.57	0.13			0.01	0.002	0.
41.50	49.40	cpy/py	-wk-mod chl/clay alt of dior; wk-mod fract w/ qtz stringers @ 40-50 to CA; rare ep; tr-1% cpy, py as blebs, stringers, f.diss -local occurrence of cpy related to chl alt and vn - 43.67-43.97: abund chl vns @ 40-50 to CA 3-5% cpy, 2-3% py as blebs related to vns mineralization does not extend outside of vns - 44.70-44.80: chl vnit w/ 2-3% cpy, 1-2% py as blebs in vn @ 50-60 to CA - 44.85-44.90: chl vnit w/ 3-5% cpy as blebs in vnit @ 50-60 to CA - 45.42-45.52: 2 chl vnits @ 50-60 to CA w/ 3-5% cpy, 2-3% py as blebs	37201 41137 37202 37203 41138	42.67 43.70 45.25 46.80 47.55	43.70 45.25 46.80 50.55	1.03 1.55 1.55 0.75 3.00	0.02			0.03	0.001	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : BA-91-12

PAGE : 5

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS												
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t								
			* - 46.40-46.42: chl vnlts @ 50-60 to CA w/ 1-2% f.diss py *																	
			* - 48.40-48.50: chl vnlts @ 40-50 to CA w/ tr-0% cpy, 1-2% py as diss w/ rust halos *																	
49.40	51.15	chl	- str chl alt; mod fract w/ qtz vnlts & stringers @ 30-40 to CA, also random localized stock work; minor ep/pot; 1-2% cpy, 1-2% py as blebs & stringers in chl alt *	37204	50.55	52.00	1.45													
			* - 40.60-40.70: str pot alt w/ chl; qtz stock work; few mag blebs *																	
			* - 40.70-41.20: pervasive chl alt w/ qtz stock work; 2-3% cpy, 1-2% py as stringers in str chl alt zones *																	
			* - 41.20-41.40: pervasive ep alt, w/ abund hem blebs; wk fract w/ few qtz stringers @ 40-50 to CA; orig text destroyed *																	
			* - 50.50-50.90: str pot alt w/ chl, few qtz vnlts @ 70-80 to CA; tr-1% f.diss cpy, py *																	
			* - 50.90-51.20: str pervasive chl alt; mod-str fract w/ qtz vnlts & stringers @ 50-60 to CA; 2-3% py, 1-2% cpy as stringers cpy in chl zones *																	
52.00	52.90	clychl	-wk clay/chl alt w/ v.wk fract w/ few qtz stringers @ 30-40 to CA; rare ep/pot; few chl stringers *	37205 41139	52.00 52.80	52.80 55.27	0.80 2.47	0.06			0.04	0.001								
			* - 52.50-52.52: chl vnlts @ 50 to CA w/ 1-2% cpy as blebs, pot alt around margins *																	
52.90	55.90	chl	-str-pervasive chl alt; mod-str fract w/ few qtz stringers @ 60-70 to CA, some *	41140	55.27	56.50	1.23	0.23			0.07	0.024	0.							

HORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-12

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INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	Cu %	Pb %	Zn %	ASSAYS	
FROM	TO				FROM	TO					Ag oz/t	Au oz/t
			carb stringers; 1-2% py, tr-1% cpy as blebs; local minor pot clay alt; minor ep core v. broken									
55.90	56.50	ep	-str-pervasive ep, orig text destroyed; str fract @ 40-70 to CA w/ abund chl/hem/ qtz stringers; 1-2% cpy as blebs in chl									
56.50	60.35	clychl	-wk clay/chl alt; mod-str fract w/ abund carb stringers @ 30-60 to CA; tr-0% py; abund chl stringers; rare pot/ep; extent of alt varies over interval	41141 37206	56.50 57.70	57.70 60.35	1.20 2.65	0.02			0.05	0.001
			- 56.80-56.90: clay/mag alt in vnlt @ 30-40 to CA									
			-- 57.20-57.60: carb stock work									
			- 57.60-57.80: str pot alt w/ abund ep, chl stringers									
			- 58.30-60.35: mod chl/clay alt, abund chl stringers; tr hem; minor ep stringer cut fract @ 90									
60.35	61.15	cpy/py	-str-pervasive chl alt w/ blk chl vnlt; mod-str fract @ 30-40 to CA w/ abund chl stringers & vns, few pink carb stringers; 3-5% cpy, 2-3% py as blebs & stringers; tr hem in vns	41142	60.35	61.90	1.55	0.18			0.09	0.001
61.70	62.30	ep	-wk ep alt zone; ep stringers @ 30-40 to CA; qtz stringer @ 120-130 to CA	37207	61.90	64.01	2.11					
62.30	65.23	clychl	-mod-str clay/chl alt; core badly broken; str fract w/ abund chl stringers; several qtz stringers cutting @ 30-40 to CA	41143	64.01	65.85	1.84	0.01			0.01	0.001
65.23	65.60	chl	-str chl alt; str fract w/ abund chl vnlt & few qtz stringers @ 50-60 to CA	37208	65.85	66.85	1.00					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : Eagle
HOLE No. : EA-91-13
Grid System : Main/Gibson
Collar Eastings : 40350.000
Collar Northings : 42500.000
Collar Elevations : 995.000
Collar Bearing : 221.00
Grid Baseline : 131.00

Collar Inclination : -45.00
Grid Bearing : 41.00
Final Depth : 81.68
Claim No. : Eagle 2

Logged by : Fraser Stewart
Date : June 15 - June 16
Downhole Survey : acid test
Drilled By : Van Alphen
Core Size : BD

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS					
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	
0.00	14.75	CASING	CASING : very badly broken rock w very little recovery (fault ?)	37801	14.57	17.57	3.00	0.02			0.01	0.001	
14.75	81.68	DIOR	DIORITE :	37802	17.57	20.05	2.48	0.02			0.01	0.002	0.
			- same as previous descriptions	37803	20.05	22.00	1.95	0.01			0.01	0.002	0.
			- dark grey green to grey black m.gd. mesocratic equigranular intrusive										
			- wkly fractured w common qtz-chl stringer and wk fract contr. potassic alt										
			- rare epidote alt										
			- principle fracture @ 65-85 to CA										
22.00	28.51	chipy	- wk to mod fract w very common fract controlled black fine grained chlorite-sulfide +/- qtz stringers and vnlts	37804	22.00	24.40	2.40	0.11			0.01	0.004	0.
			- 90 % of all sulfides in this zone are fract. controlled and are closely tied to the chlorite alteration	37805	24.40	27.10	2.70	0.19			0.01	0.004	0.
			- mod to strong pervasive potassic alt.	37806	27.10	28.51	1.41	0.34			0.05	0.005	
			- very little mag in this zone (1-5 %)										
			- rare epidote										
			- 3-5 % cpy and tr-1 % py as fract contr. stringers and blebs w wk chl alt										
			- there is a very strong fract control in the hornfels that strongly controls the sulfide zones										
28.51	38.50	stkrk	- strong to int fract (stockwork zone) w int perv chl-pot alt almost completely destroying all primary textures	37807	28.51	30.90	2.39	0.79			0.12	0.010	0.
			- 8-10 % cpy blebs and stringers and 2-3 % py	37808	30.90	33.83	2.93	1.30			0.21	0.027	0.
			- common late stage qtzstringers that cut all phases of alteration and mineraliz.	37809	33.83	36.29	2.46	1.15			0.19	0.011	0.
				37810	36.29	38.50	2.21	0.32			0.02	0.004	0.

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-13

PAGE : 2

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	ASSAYS
FROM	TO				FROM	TO							
38.50	41.70	chlep	- common epidote, rare magnetite * - fracture density and alt become much less intense w wk to mod fract contr. ep-gtz-pot-chl alteration - 2-4 % cpy and 3-4 % py as blebs and stringers closely associated w chl alt. - both the alt and mineral. has a very str. structural control w very little of either penetrating very far into the host rock (<0.5 cm) * NOTE : the ratio of py:cpy increases rapidly as you get farther away from the "stockwork" zone *	37811 37812	38.50 40.70	40.70 42.20	2.20 1.50	0.26 0.21			0.05 0.02	0.004 0.002	0. 0.
41.70	48.35	chlep	- wkly fractured w common ep-chl +/- sulf stringers and some wk pot alt around fractures - tr-1 % cpy and 2-3 % py as small blebs and stringers * 46.10 - 46.15 : mod to strong chlorite alt w 5-6 % cpy as stringers, tr-1 % py *	37813 37814 37815	42.20 44.60 47.45	44.60 47.45 48.35	2.40 2.85 0.90	0.02 0.11 0.02			0.01 0.01 0.01	0.001 0.001 0.001	0. 0. 0.
48.35	49.35	dyke	Syenite Dyke : - v. c.gd. (0.8-1.2 cm) intrusive dyke comprised dominantly of K-feldspar - common small chl-ep blebs/blotches and 3-4 cpy + 1-2 % py as blebs/dissemin. *	37816	48.35	49.35	1.00	0.28			0.06	0.001	
49.35	52.10	potchl	- mod to strongly fract. w mod perv chl-pot alt and common later stage gtz stringers +/- hem - some epidote - tr cpy and py *	37817 37818	49.35 51.60	51.60 53.00	2.25 1.40	0.03 0.02			0.01 0.01	0.001 0.002	
52.10	81.68	qtz	- wk to mod fractured with common gtz stringers @ 40-70 to CA and wk fract. contr. pot-chl *	39128 37819 37820	53.00 54.50 57.80	54.50 55.40 59.20	1.50 0.90 1.40	0.02 0.02			0.01 0.01	0.002 0.001	0. 0.

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : Eagle
HOLE No. : EA-91-14
Grid System : Main/Gibson
Collar Eastings : 37650.000
Collar Northings : 40800.000
Collar Elevations : 1200.000
Collar Bearing : 221.00
Grid Baseline : 131.00

Collar Inclination : -45.00
Grid Bearing : 41.00
Final Depth : 75.89
Claim No. : Eagle 9

Logged by : Fraser Stewart
Date : June 16 - June 17
Downhole Survey : acid
Drilled By : Van Alphen
Core Size : BD

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	ASSAYS
FROM	TO				FROM	TO							
0.00	75.89	BTHPEL											
0.00	6.30		CASING	37776	6.30	8.53	2.23	0.01	0.01	0.02	0.01	0.001	
			BIOTITE HORNPELSED TUFF : (6.30 - 75.89) - v. f.gd. dark purplish grey banded tuff - very hard flinty siliceous contact metamorphosed volcanic tuff - several zones contain fine laminae on scale of 2-4 mm; banding alternates from coarser lt purplish grey to finer dark purplish grey - the ltr coarse bands contain 5-8 % py as dissem. cubes (1-2 mm) - generally the unit is wk to mod fract w common py stringers (2-3 % py) - banding occurs on the 2-4 mm scale as well as the 0.5-1.0 m scale, but it is the finely laminated zones that contain the py.										
7.30	8.20	banded	- finely banded laminae w 5-8 % dissem. py in the bands @ 10-15 to CA	37777	8.53	10.90	2.37	0.01	0.01	0.01	0.01	0.001	
10.30	10.50	seric	- lt green bleaching - qtz-sericite(?) - around fractures @ 10-15 to CA	37778	10.90	13.10	2.20	0.01	0.01	0.01	0.01	0.001	
11.15	11.50	banded	- finely laminated tuff w qtz vnltls and 4-6 % dissem py - laminae @ 10-15 to CA										
11.90	12.10	fault	- fault zone @ 65 to CA - perv qtz vning and clay alt (gouge) w some chl-seric alt, tr py										
12.50	13.00	qtzser	- int perv lt green bleaching (qtz-seric.)	37779	13.10	15.60	2.50	0.01	0.01	0.02	0.01	0.001	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-14

PAGE : 2

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	ASSAYS				
FROM	TO				FROM	TO		Cu %	Pb %	Zn %	Ag oz/t	Au oz/t
			w 2-5 % disse py and stringers									
13.30	13.50	banded	- finely laminated @ 10-15 to CA w 8-10 % disse. py	37780	15.60	18.10	2.50	0.01	0.01	0.01	0.01	0.001
16.80	17.40	fault	- fault gouge/breccia w common qtz stringers and 2-3 % py stringers & diss.									
17.40	19.70	banded	- finely laminated @ 10-15 to CA is still visible but now a later stage qtz stringers crosscut the banding @ 45-60 to the banding - 2-3 % py fract contr. and disse w common qtz stringers	37781	18.10	20.90	2.80	0.02	0.15	0.28	0.83	0.007 0.
19.70	20.00	fract	- strongly fractured dark purplish grey hornfels w 8-10 % py stringers @ 20-30 to CA									
20.40	21.10	fract	- strongly fract. bt hfels w 15-20 % py stringers and disse. @ 20-30 to CA	37782	20.90	23.40	2.50	0.01	0.12	0.07	0.25	0.003
22.25	22.35	qtzser	- lt green bleaching (qtz-seric ?) around fracture @ 2 to CA w 4-6 % py and 3-4 % pyrrhotite									
22.70	22.75	qtzser	- lt green qtz-seric alt zone w 3-5 % pyrr and 1-2 % py	37783	23.40	25.70	2.30	0.01	0.01	0.01	0.02	0.001
24.70	25.60	qtzser	- mod fract w mod perv qtz seric. alt - rare carb-chl stringers - tr py	37784	25.70	28.50	2.80	0.01	0.01	0.01	0.01	0.001
26.20	27.80	seric	- mod to strongly fract and washed out to a lt grey green sericitic color w common chl-sulf stringers - 3-4 % py in stringer @ 10-15 to CA									
27.80	42.65	hfels	- wkly fractured w 1-2 % py stringers - some wk lt green bleaching (sericite) around fractures only	37785 37786 37787	28.50 31.20 33.50	31.20 33.50 36.40	2.70 2.30 2.90	0.01 0.01 0.02	0.01 0.01 0.01	0.01 0.02 0.02	0.01 0.01 0.01	0.001 0.001 0.001

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-15
Grid System : Main/Gibson
Collar Eastings : 37562.500
Collar Northings : 408000.000
Collar Elevations : 1202.000
Collar Bearing : 221.00
Grid Baseline : 131.00

Collar Inclination : -45.00
Grid Bearing : 41.00
Final Depth : 91.34
Claim No. : Eagle 9

PAGE : 1

Logged by : Regan Chernish
Date : June 20 - June 21
Downhole Survey : acid
Drilled By : Van Alphen
Core Size : BD

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t	ASSAYS
FROM	TO				FROM	TO							
0.00	4.40	CASING	CASING										
4.40	91.34	VHFLS	-VOLCANIC HORNFELS: f.gd; dk green-gray; mod-str fract; minor qtz stringers & vnl; common white alt(seric); rare purple biot stringers; siliceous w/ flinty fracture; rare banding of hfsl(drill scour?)										
4.40	7.01	seric	-str seric alt; mod recovery (60-70%) core badly broken; str fract w/ fract @ 60-70, 150-160 to CA; minor purple biot infract; 2-3% py as blebs & stringers w/ some rust alt seen in few fract	37751	4.40	7.50	3.10	0.02	0.01	0.03	0.01	0.001	
7.01	10.50	serchl	-wk-mod seric/chl alt; rare purple biot stringers; 2-3% py as blebs and stringers -most of min occurs in alt zones	37752 37753	7.50 9.95	9.95 11.50	2.45 1.55	0.02 0.02	0.01 0.06	0.02 0.18	0.01 0.86	0.001 0.062	
			- 7.25-7.65: abund biot stringers @ 50-60 to CA; 2-3% py as blebs & stringers										
			- 7.65-7.85: mod-str chl/pot/seric alt w/ minor ep @ 160 to CA; alt zone cuts biot stringers @ 50-70 to CA; several chl fract @ 50-70 to CA cut alt zone; 3-5% py as blebs										
			- 8.40-8.65: mod-str chl/pot/seric alt; 2-3% py as blebs										
10.50	15.24	seric	-mod-str seric alt; 3-5% py as diss,blebs, & stringers (str fract control); mod recovery(70%); tr-1% f.gd black bands (gal?); tr-minor purple biot; str fract; abund chl in fract; few qtz stringers @	37754 37755	11.50 14.02	14.02 16.40	2.52 2.38	0.01 0.01	0.01 0.02	0.05 0.05	0.08 0.10	0.003 0.007	

HORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : Eagle
HOLE No. : EA-91-16
Grid System : Main/Gibson
Collar Eastings : 37500.000
Collar Northings : 40400.000
Collar Elevations : 1245.000
Collar Bearing : 221.00
Grid Baseline : 131.00

Collar Inclination : -45.00
Grid Bearing : 41.00
Final Depth : 67.66
Claim No. : Eagle 9

Logged by : Fraser Stewart
Date : June 21 - June 22
Downhole Survey : acid
Drilled By : Van Alphen
Core Size : BD

INTERVAL(m) FROM TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	GEOCHEMICAL SAMPLES													
				FROM	TO		Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb									
0.00 67.66	VHFEELS																			
0.00 5.70	CASING	CASING	41151	5.70	8.75	3.05	108	2	54	.2	1									
			41152	8.75	11.40	2.65	115	2	49	.3	2									
		VOLCANIC HORNFEELS : (5.70 - 67.66)	41153	11.40	13.70	2.30	119	2	55	.3	4									
		- dk green f.g.d. hornfels	41154	13.70	14.88	1.18	94	2	63	.2	2									
		- mod fract w common qtz +/- chl stringers @ 40-50 to CA	41155	14.88	16.85	1.97	104	2	64	.4	9									
		- rock is generally very badly broken with about 90-95 % recovery	41156	16.85	19.20	2.35	88	31	109	5	230									
		- avg. 1-2 % dissem. py and stringers																		
		- rare ep and hem in fractures																		
17.00 25.38	clay	- int perv clay +/- sericite alt with common carb-chl stringers	41157	19.20	21.70	2.50	103	630	1455	10.8	120									
		- upper contact is sharp @ 45 to CA	41158	21.70	24.58	2.88	142	605	850	14.6	350									
		- 2-3 % dissem py and 1-2 % sphal blebs	41159	24.58	26.28	1.70	114	16	214	1.2	100									
		20.00 - 20.60 : strongly fract but relative fresh hornfels																		
		20.60 - 21.70 : strongly fract w int perv clay +/- ep alt and common carb stringers																		
		- 15-20 % dissem. py + tr-1 % galena and 1-2 % sphal blebs																		
		- strong fracture control on sulfide mineralization																		
		21.70 - 22.86 : Breccia zone - int fract and perv clay alt to dk grey black to grey green																		
		- 10-15 % dissem py																		
		- common carb stringers																		
		22.86 - 25.38 : perv wk clay alt (+/- ep)																		

0.07% Cu
6.18 ppm Ag
0.21 ppm Au

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-16

PAGE : 2

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	GEOCHEMICAL SAMPLES				
FROM	TO				FROM	TO		Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
			<ul style="list-style-type: none"> w common chl-carb stringers - 5-8 % dissen py, tr galena and tr sphalerite - strongly fractured 									
25.38	27.40	clay	- mod to strongly fract w perv lt green clay-ep alt w 6-8 % dissen py - discrete cubes 1mm x 1mm	41160	26.28	28.85	2.57	243	70	227	1.3	9
27.40	29.47	vhfels	- wkly fract rel fresh grey black volcanic hornfels, tr-l % py	41161	28.85	31.60	2.75	129	100	182	3.5	120
29.47	30.17	brecc	- breccia zone : int fract w perv clay-carb alt and 10-15 % dissen py and py stringers - tr sphal and galena - fault gouge									
30.17	31.10	clay	- strongly fract w common carb-chl stringers and perv clay alt - tr-l % dissen py									
31.10	33.57	vhfels	- wk to mod fract w common fract cont clay ep-carb alt +/- chl alt - tr-l % py - rel fresh	41162	31.60	34.40	2.80	142	9	115	.5	6
33.57	35.20	clay	- int perv clay alt - upper contact sharp @ 50 to CA - common chl-carb stringers - 4-5 % dissen py cubes	41163 41164	34.40 37.20	37.20 39.60	2.80 2.40	122 137	59 4	262 76	.7 .5	19 5
37.45	37.95	dyke	- feldspar porphyritic volcanic dyke - contacts irregular and gradational over few cm's									
37.95	43.58	carb	- dk grey black f.gd. volcanic hfels - mod to strongly fract w common carb +/- sulfide stringers abd wk chl alt - some fract cont clay alt (0.5-1.0 cm) - tr-l % dissen. py	41165 41166	39.60 41.95	41.95 44.00	2.35 2.05	138 152	7 14	81 206	.4 .8	4 4

HORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : EA-91-16

PAGE : 3

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	GEOCHEMICAL SAMPLES				
FROM	TO				FROM	TO		Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
43.58	45.32	carb	- dk green volc. hfels w some late stage fracturing and common carb vnltz/string - some minor wk clay alt around fractures - 1-2 % py w carb stringers	41167	44.00	46.70	2.70	152	5	64	.4	3
45.32	49.15	crbchl	- wk to mod fract (late stage) w carb-chl stringers and 1-2 % dissem py	41168	49.10	50.50	1.40	113	5	66	.6	73
49.15	51.30	carb	- mod to strongly fract w common stringers and vnltz - washed on to a lt greyish green - 3-4 % dissem py and py blebs - rare epidote									
52.20	53.70	bthfel	- mod to strongly fract (late stage) w wk biotite hornfelsing and common chl-carb alteration - brecciated w some clasts becoming subrou subrounded - carbonate cement - tr-1 % py	41169	52.20	53.90	1.70	117	2	32	.3	4
53.70	67.66	vhfels	- wk to mod fract (late stage) w very little to no alteration - common carb-chl stringers - tr epidote - tr py	41170 41171	57.80 62.90	59.20 64.30	1.40 1.40	143 180	2 2	41 42	.5 .4	2 4
			64.00 - 64.30 : int perv ep-chl alt completely replacing host - dominantly epidote - 5-6 % dissem py									
			BOR = 67.66 m									

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : Eagle
HOLE No. : BA-91-17
Grid System : Main/Gibson
Collar Eastings : 37562.000
Collar Northings : 40400.000
Collar Elevations : 1248.000
Collar Bearing : 221.00
Grid Baseline : 131.00

Collar Inclination : -60.00
Grid Bearing : 41.00
Final Depth : 82.30
Claim No. : Eagle 9

Logged by : Fraser Stewart
Date : June 22 - June 23
Downhole Survey : acid
Drilled By : Van Alphen
Core Size : BD

INTERVAL(m)		MAJOR/MINOR	DESCRIPTION	SAMPLE	INTERVAL(m)		SAMPLE	GEOCHEMICAL SAMPLES												
FROM	TO	UNITS			NUMBER	FROM		TO	WIDTH	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb						
0.00	82.30	VHPELS																		
0.00	2.20	CASING	CASING *																	
			VOLCANIC HORNPELS : (2.20 - 82.30) - dk green f.gd. flinty hfelsed volcanic - wk to mod fract w common carb +/- chl stringers - dominant fract @ 50 to CA - rare epidote - tr py *																	
2.20	8.00	broken	- very badly broken w about 75 % recovery *																	
8.00	25.97	vhfels	- wk to mod fract w common carb-chl stringers - tr-l % py - very fresh rock *																	
25.97	26.80	clycrb	- int perv clay-carb alt w common chl stringers, tr py *																	
26.80	39.30	crbchl	- wk to mod fract w common carb-chl stringers, tr py *	41176	36.40	39.30	2.90	96	4	74	.5	18								
39.30	43.40	clyqtz	- strongly fract w int perv clay-qtz alt and common chl-carb stringers - 12-15 % disem py and py stringers, 2-3 % sphal stringers and 1-2 % gal blebs - generally the fract is 65-70 to CA but there is often random fract orientations - common qtz vnltz/stringers w sulfides *	41177 41178 41179	39.30 40.65 42.00	40.65 42.00 43.40	1.35 1.35 1.40	131 258 190	3583 6393 5780	7008 11410 14099	34 54.1 54.8	2160 1990 1230								
43.40	52.80	crbchl	- wk to mod fract w common carb-chl +/- qtz stringers - 1-2 % dissem py *	41180 41181 41182	43.40 45.70 48.00	45.70 48.00 50.80	2.30 2.30 2.80	116 170 158	391 33 44	658 103 177	4.5 .6 .7	54 12 11								

*1.09 gpt Au
47.72 gpt Ag
0.53 % Pb*

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Eagle
HOLE No. : RA-91-17

PAGE : 2

INTERVAL(m)		MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m)		SAMPLE WIDTH	GEOCHEMICAL SAMPLES				
FROM	TO				FROM	TO		Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
54.50	59.43	clyqtz	*	41183	50.80	53.00	2.20	143	1051	3301	8	91
			41184	53.00	54.50	1.50	92	23	113	1.8	9	
			41185	54.50	55.65	1.15	200	7669	15258	125.6	2670	
			41186	55.65	57.00	1.35	365	9287	26221	104.8	1120	
			41187	57.00	58.30	1.30	261	4871	10512	56.2	740	
41188	58.30	60.85	2.55	94	73	263	1.2	41				
59.43	67.10	clay	- strongly fract w int perv clay alt and common carb-chl stringers and rare qtz stringers	41189	60.85	63.78	2.93	178	48	260	.9	10
			41190	63.78	67.10	3.32	117	25	142	.4	18	
67.10	73.50	crbchl	- washed out to a pale grey (clay alt)									
			- 1-2 % dissen py and rare stringers									
73.50	74.20	clay	- wkly fract volc hfels w common carb-chl stringers									
			- tr-l % py									
74.20	74.55	dyke	- strongly fract w int perv clay alt and common chl-carb vnltz	41191	73.50	74.20	0.70	78	19	95	.1	4
			- tr py									
74.55	76.00	vhfels	- feldspar porphyritic volcanic dyke									
			- common carb +/- chl stringers									
76.00	77.80	clay	- mod to strongly fract volc. hfels w common carb +/- chl stringers									
			- int perv clay-carb +/- chl alt	41192	76.00	77.80	1.80	86	18	170	.1	1
77.80	82.30	bthfel	- tr-l % py									
			- mod fract biotite hornfels w common carb-chl stringers									
			- notable first appearance of biotite hornfels - lt purplish brown									
			- tr py									
			BOH : 82.30 m									

Handwritten notes:
0.13% Pb
1.15% Zn
94.5 gpt Ag
1.16 gpt Au

APPENDIX IV
DRILL HOLE CROSS SECTIONS

ASSAY CERTIFICATE *Eagle (B)* EA 91-7, 11 to 15

Noranda Exploration Co. Ltd. PROJECT 9106-067-226 FILE # 91-1963 Page 1
 1050 Davie St., Vancouver BC V6E 1M4

RECEIVED
 JUL - 9 1991

SAMPLE#	1st		2nd	
	Cu %	Ag oz/t	Au oz/t	Au oz/t
37801	.02	.01	.001	.001
37802	.02	.01	.002	.001
37803	.01	.01	.002	.001
37804	.11	.01	.004	.002
37805	.19	.01	.004	.003
37806	.34	.05	.005	.005
37807	.79	.12	.010	.009
37808	1.30	.21	.027	.030
37809	1.15	.19	.011	.010
37810	.32	.02	.004	.002
37811	.26	.05	.004	.003
37812	.21	.02	.002	.003
37813	.02	.01	.001	.001
37814	.11	.01	.001	.002
37815	.02	.01	.001	.001
37816	.28	.06	.001	.001
37817	.03	.01	.001	.001
37818	.02	.01	.002	.002
37819	.02	.01	.002	.001
37820	.02	.01	.001	.001
37821	.03	.02	.002	.001
37822	.01	.01	.001	.002
37823	.01	.01	.002	.001
37824	.03	.01	.002	.002
37826	.03	.01	.001	.002
37827	.02	.02	.002	.001
37828	.01	.01	.001	.002
37829	.03	.03	.001	.001
37830	.04	.03	.002	.002
37831	.04	.01	.001	.002
37832	.04	.02	.002	.003
37833	.01	.01	.001	.002
37834	.01	.01	.001	.001
37835	.01	.01	.001	.001
37836	.01	.01	.001	.001
37837	.01	.01	.001	.001
STANDARD R-1/AU-1	.83	2.98	.100	.102

*Copy Teng W
 file: 226 Eagle*

- 1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, ANALYSIS BY ICP. AU - 10 GM ACID LEACHED / MIBK, ANALYSIS BY AA.
 - SAMPLE TYPE: CORE

DATE RECEIVED: JUN 24 1991

DATE REPORT MAILED: *June 27/91*

SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Cu %	Ag oz/t	1st	2nd
			Au oz/t	Au oz/t
37838	.01	.02	.001	.001
37839	.01	.02	.001	.001
37840	.01	.01	.001	.001
37841	.02	.03	.001	.002
37842	.02	.02	.001	.001
37843	.02	.01	.001	.001
37844	.02	.04	.001	.001
40885	.02	.02	.001	.001
40886	.03	.04	.001	.001
40887	.02	.01	.001	.001
40888	.01	.01	.001	.001
40889	.01	.03	.001	.001
40890	.11	.03	.001	.001
40891	.02	.01	.001	.002
40892	.02	.02	.001	.002
41126	.09	.04	.001	.002
41127	1.73	.24	.024	.025
41128	1.01	.12	.014	.017
41129	.43	.09	.012	.014
41130	.39	.05	.001	.003
41131	1.15	.15	.006	.006
41132	.77	.13	.021	.022
41133	.24	.07	.007	.005
41134	.08	.01	.001	.002
41135	.07	.01	.001	.002
41136	.13	.01	.002	.003
41137	.02	.03	.001	.001
41138	.07	.04	.001	.001
41139	.06	.04	.001	.001
41140	.23	.07	.024	.020
41141	.02	.05	.001	.001
41142	.18	.09	.001	.001
41143	.01	.01	.001	.001
41144	.02	.03	.001	.001
41145	.02	.04	.001	.001
41146	.02	.01	.001	.001
STANDARD R-1/AU-1	.97	2.95	.103	.105

SAMPLE#	Cu %	Ag oz/t	1st	2nd
			AU oz/t	AU oz/t
41147	.01	.01	.001	.001
41148	.01	.01	.001	.001
41149	.04	.01	.001	.001
41150	.08	.01	.001	.001

SAMPLE#	Cu %	Pb %	Zn %	Ag oz/t	1st	2nd
					Au oz/t	Au oz/t
37726	.01	.09	.18	.30	.003	.003
37727	.01	.15	.55	.60	.018	.018
37728	.01	.01	.02	.02	.001	.001
37729	.01	.01	.01	.01	.001	.002
37730	.01	.01	.01	.01	.001	.001
37731	.01	.01	.01	.01	.001	.001
37732	.01	.01	.01	.01	.001	.002
37733	.01	.01	.01	.02	.007	.007
37751	.02	.01	.03	.01	.001	.001
37752	.02	.01	.02	.01	.001	.001
37753	.02	.06	.18	.86	.060	.064
37754	.01	.01	.05	.08	.003	.003
37755	.01	.02	.05	.10	.007	.007
37756	.01	.14	.30	.27	.001	.001
37757	.01	.05	.18	.15	.003	.003
37758	.01	.50	1.06	1.03	.018	.018
37759	.02	.01	.03	.01	.001	.001
37760	.01	.01	.01	.01	.001	.001
37761	.02	.01	.05	.01	.001	.001
37762	.01	.01	.03	.01	.001	.001
37763	.01	.03	.04	.03	.001	.002
37764	.01	.28	.63	.86	.017	.017
37765	.01	.27	.11	.64	.003	.004
37766	.01	.01	.03	.01	.001	.001
37767	.01	.01	.05	.04	.001	.001
37768	.01	.29	.18	.68	.003	.003
37769	.01	.03	.08	.07	.001	.001
37770	.01	.14	.13	.10	.003	.002
37771	.01	.01	.22	.01	.001	.001
37772	.01	.01	.03	.01	.001	.001
37773	.01	.01	.03	.01	.001	.001
37774	.01	.01	.06	.01	.001	.001
37775	.01	.01	.01	.01	.002	.002
37776	.01	.01	.02	.01	.001	.001
37777	.01	.01	.01	.01	.001	.001
37778	.01	.01	.01	.01	.001	.001
STANDARD R-1/AU-1	.82	1.49	2.46	2.91	.105	.102

SAMPLE#	Cu %	Pb %	Zn %	Ag oz/t	1st	2nd
					Au oz/t	Au oz/t
37779	.01	.01	.02	.01	.001	.001
37780	.01	.01	.01	.01	.001	.001
37781	.02	.15	.28	.83	.007	.008
37782	.01	.12	.07	.25	.003	.003
37783	.01	.01	.01	.02	.001	.001
37784	.01	.01	.01	.01	.001	.001
37785	.01	.01	.01	.01	.001	.001
37786	.01	.01	.02	.01	.001	.001
37787	.02	.01	.02	.01	.001	.001
37788	.01	.01	.01	.01	.001	.001
37789	.01	.01	.01	.01	.001	.001
37790	.01	.01	.01	.01	.001	.002
37791	.01	.01	.01	.01	.001	.001
37792	.01	.05	.16	.15	.023	.021
37793	.02	.01	.02	.02	.002	.002
37794	.03	.01	.01	.01	.001	.002
STANDARD R-1/AU-1	.86	1.36	2.32	3.08	.103	.104

ASSAY CERTIFICATE *Eagle (RC) RR Assay*

Noranda Exploration Co. Ltd. PROJECT 9107-007 226 FILE # 91-2052R

SAMPLE#	Pb %	Zn %	Ag oz/t	Au** oz/t
41177	.49	.82	1.05	.062
41178	.88	1.37	1.68	.058
41179	.81	1.60	1.71	.038
41185	.96	1.55	3.73	.074
41186	1.20	2.55	3.00	.032
41187	.63	1.21	1.57	.020

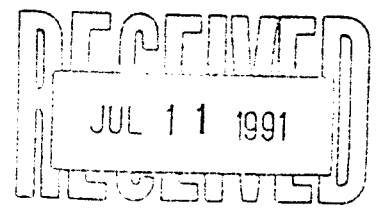
- 1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, ANALYSIS BY ICP.
 - SAMPLE TYPE: ROCK PULP
 AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

DATE RECEIVED: JUL 4 1991

DATE REPORT MAILED: *July 8/91.*

SIGNED BY.....*C. Leong*.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

*Copy: Terry W
 file: 226-Eagle.*



ASSAY CERTIFICATE *Eagle B04-EA 91-1 T8*

Noranda Exploration Co. Ltd. PROJECT 9106-045 226 FILE # 91-1840 Page 1

1050 Davie St., Vancouver BC V6E 1M4

RECEIVED
JUL - 3 1991

*Copy: Terry
file: 226
EAGLE*

SAMPLE#	Cu %	Pb %	Zn %	Ag oz/t	Au** oz/t
37642	.02	.04	.05	.20	.001
37643	.01	.16	.52	.54	.017
37644	.01	.01	.02	.01	.002
37645	.01	.03	.06	.03	.001
37658	.01	.01	.02	.01	.001
37659	.01	.01	.02	.01	.001
37660	.01	.01	.02	.01	.001
37661	.01	.01	.02	.01	.001
37676	.02	.36	.77	1.88	.040
37677	.03	.21	.53	4.02	.007
37678	.01	.01	.02	.18	.005
37679	.03	.90	.78	3.78	.035
37680	.02	.38	.94	1.50	.008
37681	.01	.34	.13	2.10	.097
37682	.13	3.30	2.08	26.28	.114
37683	.01	.10	.09	1.32	.003
37684	.02	.01	.02	.02	.001
37685	.01	.02	.03	.06	.001
37686	.01	.01	.01	.02	.001
37687	.01	.01	.01	.01	.001
37688	.01	.01	.01	.01	.001
37689	.01	.01	.01	.01	.001
37690	.01	.01	.01	.01	.001
37691	.01	.01	.02	.01	.001
37692	.01	.01	.01	.01	.001
37693	.01	.01	.01	.01	.001
37701	.02	.95	1.03	7.29	.014
37702	.02	.22	.52	.26	.001
37703	.01	.01	.02	.04	.001
37704	.01	.02	.06	.04	.001
37705	.01	.01	.01	.01	.001
37706	.01	.01	.01	.01	.001
37707	.01	.01	.02	.01	.001
37708	.01	.29	.13	1.62	.012
37709	.01	.01	.01	.01	.001
37710	.01	.01	.01	.01	.001
STANDARD R-1/AU-1	.84	1.34	2.18	3.01	.097

AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
- SAMPLE TYPE: CORE

DATE RECEIVED: JUN 18 1991

DATE REPORT MAILED: *June 25/91.*

SIGNED BY.....*Chung*.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Cu %	Pb %	Zn %	Ag oz/t	Au** oz/t
37711	.01	.01	.02	.02	.001
37712	.04	.77	1.00	7.35	.187
37713	.01	.01	.02	.14	.004
37714	.01	.01	.01	.06	.001
37715	.01	.01	.01	.01	.001
37716	.01	.01	.01	.04	.001
37717	.01	.01	.01	.01	.001
37718	.01	.01	.01	.01	.001
37719	.01	.01	.02	.06	.001
37720	.01	.01	.01	.01	.001
37976	.01	.01	.02	.02	.001
37977	.01	.01	.02	.02	.001
37978	.01	.01	.01	.01	.001
37979	.01	.01	.01	.01	.001
37980	.01	.01	.01	.01	.001
37981	.01	.13	.25	.24	.010
37982	.01	.01	.01	.02	.001
37983	.01	.01	.01	.01	.001
37984	.01	.17	.85	.53	.005
37985	.01	.01	.01	.03	.001
38000	.01	.01	.01	.01	.001
STANDARD R-1/AU-1	.86	1.35	2.34	2.92	.096

SAMPLE#	Cu %	Pb %	Zn %	Ag oz/t	Au** oz/t
37226	.01	.01	.01	.01	.001
37227	.01	.01	.01	.01	.001
37228	.01	.03	.12	.55	.008
37229	.01	.01	.01	.01	.001
37230	.01	.01	.01	.02	.001
37231	.01	.01	.01	.02	.001
37232	.01	.01	.01	.01	.001
37233	.01	.01	.01	.01	.001
37234	.01	.01	.01	.01	.001
37235	.01	.01	.01	.01	.001
37236	.01	.06	.21	.17	.006
37237	.01	.01	.01	.01	.001
37238	.01	.01	.01	.01	.001
37239	.01	.01	.01	.01	.001
37240	.01	.01	.01	.02	.001
37241	.01	.01	.01	.01	.001
37242	.01	.01	.01	.01	.001
37243	.01	.01	.01	.01	.001
37244	.01	.01	.01	.01	.001
37901	.02	.01	.01	.01	.001
37902	.02	.01	.01	.01	.001
37903	.02	.01	.01	.01	.001
37904	.02	.01	.01	.01	.001
37905	.02	.01	.01	.02	.001
37906	.02	.01	.01	.02	.001
37907	.02	.01	.01	.01	.001
37908	.02	.01	.01	.01	.001
37909	.02	.01	.01	.01	.001
37910	.02	.01	.01	.01	.001
37911	.02	.01	.01	.03	.001
37912	.02	.01	.01	.01	.001
37913	.02	.01	.01	.01	.001
37914	.01	.01	.01	.01	.007
37915	.02	.01	.01	.01	.001
37916	.02	.01	.01	.01	.001
37917	.02	.01	.01	.02	.001
STANDARD R-1/AU-1	.86	1.41	2.40	2.99	.095

SAMPLE#	Cu %	Pb %	Zn %	Ag oz/t	Au** oz/t
37918	.01	.01	.02	.01	.002
37919	.02	.01	.01	.01	.001
37920	.02	.01	.01	.01	.001
37921	.01	.01	.01	.01	.001
37922	.01	.01	.01	.01	.001
37923	.02	.01	.01	.01	.001
37924	.02	.01	.01	.01	.001
37925	.02	.01	.01	.01	.001
40801	.02	.01	.01	.01	.001
40802	.01	.01	.02	.01	.001
40803	.01	.01	.01	.01	.001
40806	.02	.01	.01	.01	.001
40807	.02	.01	.01	.01	.001
40808	.02	.01	.01	.01	.001
40810	.02	.01	.01	.01	.001
40812	.02	.01	.01	.01	.002
40813	.05	.01	.01	.02	.001
40814	.02	.01	.01	.01	.001
40815	.01	.01	.01	.01	.001
40816	.02	.01	.01	.01	.001
40817	.02	.01	.01	.03	.001
40818	.09	.01	.01	.01	.001
40819	.04	.01	.01	.01	.001
40820	.04	.01	.01	.01	.001
40879	.74	.01	.01	.07	.005
40880	.53	.01	.01	.04	.006
40881	.03	.01	.01	.01	.001
40883	.01	.01	.01	.01	.001
40884	.02	.01	.01	.01	.001
STANDARD R-1/AU-1	.88	1.34	2.32	3.02	.097

SAMPLE#	Cu %	Pb %	Zn %	Ag oz/t	Au** oz/t
40855	.01	.01	.01	.02	.001
40856	.01	.01	.01	.01	.001
40857	.01	.01	.01	.02	.001
40858	.01	.01	.01	.02	.001
40859	.01	.01	.01	.01	.001
40860	.01	.01	.01	.01	.001
40861	.01	.01	.01	.02	.001
40862	.01	.01	.01	.01	.001
40863	.09	.01	.01	.04	.001
40864	.04	.01	.01	.01	.001
STANDARD R-1/AU-1	.87	1.35	2.33	2.99	.095

ASSAY CERTIFICATE

Eagle (FS) DGH-CA-91-5 to P

Noranda Exploration Co. Ltd. PROJECT 9106-045 226

FILE # 91-1839 Page 1

1050 Davie St., Vancouver BC V6E 1M4

SAMPLE#	Cu %	Pb %	Zn %	Ag** oz/t	Au** oz/t
37986	.01	.03	.06	.07	.002
37987	.06	3.25	2.45	13.19	.035
37988	.01	.03	.04	.17	.001
37989	.01	.06	.06	.84	.015
37990	.01	.01	.01	.06	.001
37991	.01	.01	.02	.04	.001
37992	.01	.01	.01	.01	.001
37993	.01	.01	.01	.02	.001
37994	.02	.01	.01	.03	.001
37995	.01	.01	.01	.22	.001
37996	.45	5.18	3.47	91.44	.358
37997	.84	12.97	9.95	163.57	.493
37998	.45	4.50	3.64	90.94	.317
37999	.03	.20	.37	3.53	.106
40776	.01	.01	.01	.06	.001
40777	.85	.01	.13	.26	.007
40778	.37	.01	.02	.20	.002
40779	1.75	.01	.04	.32	.022
40780	1.45	.01	.01	.17	.033
40781	3.01	.01	.02	.26	.028
40782	2.58	.01	.01	.18	.021
40783	2.21	.01	.01	.31	.025
40784	.73	.01	.01	.06	.007
40785	.70	.01	.01	.04	.003
40786	1.45	.01	.01	.14	.009
40787	.11	.01	.01	.02	.001
40788	.15	.01	.01	.03	.001
40789	.06	.01	.01	.01	.001
40790	.13	.01	.01	.01	.001
40791	.05	.01	.01	.02	.001
40792	9.55	.01	.04	.94	.150
40793	.04	.01	.01	.02	.002
40794	.18	.01	.01	.06	.002
40795	.02	.01	.01	.02	.001
40876	.11	.01	.01	.01	.001
40877	.03	.01	.01	.02	.001
40878	.16	.01	.03	.04	.001
STANDARD R-1/AU-1	.89	1.44	2.44	3.18	.096

AU** BY FIRE ASSAY FROM 1 A.T.

- SAMPLE TYPE: CORE

DATE RECEIVED: JUN 18 1991

DATE REPORT MAILED: June 25/91

SIGNED BY..... D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Cu %	Pb %	Zn %	Ag** oz/t	Au** oz/t
40821	.03	.01	.01	.02	.001
40822	.53	.01	.01	.06	.004
40823	1.04	.01	.01	.07	.008
40824	1.83	.01	.02	.15	.016
40825	.26	.01	.01	.02	.002

ASSAY CERTIFICATE

Eagle (RC) DDH EA 91-26, 10

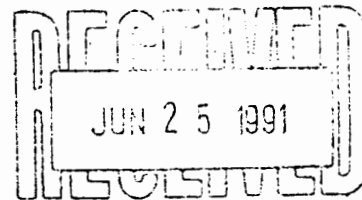
Noranda Exploration Co. Ltd. PROJECT 9106-050 226 FILE # 91-1891 Page 1

1050 Davie St., Vancouver BC V6E 1N4

SAMPLE#

Cu Ag Au**
% oz/t oz/t

37851	.07	.08	.001
37852	.05	.03	.001
37853	.08	.05	.001
37854	.06	.11	.001
37855	.11	.05	.001
37856	.08	.05	.001
37857	.03	.01	.002
37858	.05	.07	.001
37859	.08	.08	.002
37860	.03	.06	.002
37861	.02	.04	.001
37862	.03	.07	.009
37863	.01	.07	.001
37864	.01	.05	.001
37865	.01	.02	.001
37866	.01	.03	.001
37867	.01	.09	.001
37868	.01	.07	.001
37869	.01	.01	.001
37870	.01	.04	.001
37871	.01	.07	.001
37872	.01	.06	.001
37873	.01	.05	.001
37874	.01	.05	.001
37875	.01	.10	.001
37876	.08	.06	.001
37877	.05	.07	.001
37878	.04	.04	.001
37879	.07	.07	.001
37880	.08	.09	.001
37881	.03	.04	.001
37882	.05	.04	.001
37883	.11	.04	.007
37884	.09	.06	.005
37885	.07	.02	.004
37886	.01	.05	.001
STANDARD R-1/AU-1	.87	2.92	.097



Copy: Terry W

file: 226-Eagle

- 1 GM SAMPLE LEACHED IN 50 ML AQUA - REGIA, ANALYSIS BY ICP.
- SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.

DATE RECEIVED: JUN 20 1991

DATE REPORT MAILED: June 24/91.

SIGNED BY: *Cherry* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t
37887	.01	.03	.001
37888	.02	.01	.001
37889	.01	.07	.001
37890	.01	.02	.001
37891	.01	.05	.001
37892	.01	.02	.001
37893	.01	.01	.001
37894	.01	.03	.001
37895	.01	.08	.001
37896	.01	.07	.001
37897	.01	.06	.001
STANDARD R-1/AU-1	.88	3.19	.097



GEOCHEMICAL ANALYSIS CERTIFICATE Eagle (RC) 91-7, 12, 13, 16, 17

Noranda Exploration Co. Ltd. PROJECT 9107-007 226 File # 91-2052 Page 1

1050 Davie St., Vancouver BC V6E 1M4



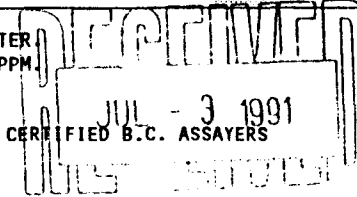
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
37201	2	270	5	32	.2	8	19	436	5.90	7	5	ND	3	116	.2	2	6	159	2.09	.180	8	5	1.16	205	.24	13	2.22	.20	.35	2	17
37202	2	220	40	33	.2	8	20	487	6.09	8	5	ND	2	131	.2	4	2	166	2.04	.167	8	4	1.23	2787	.24	16	2.01	.20	.24	1	14
37203	2	186	2	38	.2	6	21	592	5.85	5	5	ND	3	118	.2	2	2	164	2.93	.177	9	5	1.29	199	.26	17	2.90	.21	.25	3	7
37204	1	136	8	68	.2	6	16	651	6.29	8	5	ND	1	132	.7	5	2	141	2.30	.172	8	4	1.54	1475	.22	22	2.53	.18	.15	1	13
37205	1	101	3	44	.3	6	15	629	5.45	6	5	ND	2	130	.2	2	2	136	2.73	.169	7	3	1.24	155	.19	20	2.41	.21	.21	1	8
37206	1	102	5	33	.2	6	19	622	5.94	4	5	ND	4	195	.2	3	2	168	2.73	.174	9	4	1.38	124	.22	9	2.16	.25	.29	1	4
37207	1	196	211	32	.8	5	18	555	5.58	5	5	ND	2	163	.2	2	2	154	2.72	.158	7	4	1.26	578	.21	10	2.22	.28	.26	1	5
37208	1	86	2	43	.3	6	19	720	6.03	4	5	ND	4	156	.4	2	2	148	3.14	.170	9	2	1.42	96	.24	8	2.74	.20	.19	3	4
37209	1	134	2	45	.1	7	16	575	5.85	2	5	ND	3	130	.2	2	2	147	2.59	.186	10	3	1.25	112	.23	13	2.37	.26	.21	2	3
37210	1	214	3	40	.3	9	15	558	5.42	4	5	ND	4	111	.2	2	2	150	2.10	.180	10	3	1.04	82	.20	8	1.69	.18	.20	1	9
37211	1	106	2	35	.1	8	17	492	5.46	3	5	ND	2	125	.2	2	2	153	1.89	.165	9	4	1.07	142	.23	9	2.10	.20	.23	2	6
37212	1	208	2	39	.3	5	18	700	5.70	3	5	ND	3	162	.3	2	2	163	3.65	.171	11	5	1.29	108	.22	7	2.19	.35	.26	2	7
37213	1	93	3	30	.2	6	16	493	5.33	5	5	ND	3	120	.2	2	2	147	1.96	.173	9	4	1.01	129	.21	8	1.80	.22	.28	1	4
37214	1	136	3	34	.1	8	15	481	5.35	4	5	ND	3	107	.2	2	2	151	1.77	.185	11	5	.91	126	.21	11	1.72	.20	.24	2	5
37215	1	139	2	36	.3	7	17	588	5.30	5	5	ND	4	103	.2	2	2	155	1.69	.184	13	3	1.02	126	.23	8	1.83	.20	.24	2	4
39126	1	182	3	36	.3	9	15	581	5.44	5	5	ND	3	121	.4	2	2	152	1.59	.196	13	3	.99	177	.23	8	1.64	.22	.39	2	5
39127	1	313	2	45	.3	6	17	663	5.66	6	5	ND	4	135	.2	2	2	138	2.48	.191	13	5	1.16	96	.24	18	2.23	.21	.21	2	6
39128	1	197	4	31	.3	7	17	593	5.54	4	5	ND	4	114	.2	2	2	152	2.19	.203	13	5	1.03	98	.21	8	1.58	.15	.23	1	8
39129	1	113	2	45	.2	5	15	637	5.76	2	5	ND	3	117	.2	2	2	125	2.33	.178	9	3	1.14	95	.21	10	2.41	.22	.20	2	8
39130	1	142	2	48	.3	6	17	690	5.50	3	5	ND	4	111	.2	2	2	135	2.38	.199	13	3	1.28	131	.24	12	2.44	.22	.27	2	6
39131	1	98	115	34	.5	7	16	688	5.28	4	5	ND	3	148	.2	2	2	127	2.92	.179	10	4	1.10	63	.21	6	1.64	.11	.10	1	4
39132	1	136	2	43	.2	5	15	706	5.02	3	5	ND	3	142	.2	2	2	132	2.49	.183	12	3	1.18	62	.21	5	1.66	.12	.15	2	12
39133	1	175	2	48	.2	5	16	958	5.46	3	5	ND	2	209	.6	2	2	133	4.35	.181	12	3	1.34	49	.18	8	2.19	.24	.12	2	6
39134	1	132	2	45	.1	5	16	773	5.66	4	5	ND	3	144	.2	3	2	144	3.11	.197	13	3	1.15	68	.20	8	2.08	.12	.16	3	47
39135	1	170	2	66	.2	5	21	882	6.33	3	5	ND	3	158	.5	2	2	130	2.80	.182	10	5	1.55	90	.22	5	2.44	.26	.11	3	130
40893	1	158	2	53	.3	9	20	845	6.10	10	5	ND	2	126	.2	2	2	168	1.55	.195	12	4	1.47	107	.24	7	2.17	.13	.17	1	16
40894	1	182	2	49	.3	7	19	858	5.71	8	5	ND	2	83	.2	2	2	153	2.10	.190	13	4	1.29	91	.20	6	1.72	.11	.17	1	8
40895	1	137	2	45	.2	8	16	772	4.88	6	5	ND	2	99	.2	2	2	125	2.06	.165	10	4	1.40	133	.23	6	2.02	.22	.23	2	9
40896	1	82	3	70	.2	9	16	803	5.43	5	5	ND	2	114	.5	2	2	119	2.57	.162	9	5	1.21	124	.20	6	2.60	.28	.21	2	6
40897	1	189	2	46	.3	7	19	687	5.62	4	5	ND	2	124	.3	2	2	162	1.94	.218	13	4	1.33	214	.22	7	2.19	.18	.23	1	3
40898	1	232	3	43	.3	7	20	741	5.68	9	5	ND	2	135	.3	2	2	161	1.87	.210	13	4	1.43	184	.23	7	2.06	.16	.21	2	8
40899	1	207	2	34	.3	6	23	673	5.91	17	5	ND	2	118	.2	2	2	154	1.83	.181	10	4	1.44	188	.21	11	1.96	.17	.24	4	16
40900	1	195	2	41	.3	8	18	738	5.79	13	5	ND	1	138	.5	2	2	156	1.73	.193	12	6	1.33	222	.22	8	2.11	.24	.26	1	6
41101	1	170	2	41	.3	7	15	617	4.63	5	5	ND	3	152	.6	2	2	139	2.19	.182	11	3	.86	139	.17	7	1.66	.16	.24	2	8
41102	1	188	2	50	.4	8	18	649	5.61	3	5	ND	2	141	.4	2	2	179	1.55	.204	12	6	1.40	156	.20	5	1.83	.19	.27	3	4
41103	1	175	2	41	.3	8	18	579	5.49	2	5	ND	2	142	.2	2	2	174	1.35	.205	12	6	1.14	214	.21	6	1.72	.24	.32	1	5
STANDARD C/AU-R	18	61	36	130	7.5	69	33	1060	3.89	38	18	7	39	53	18.5	15	22	54	.47	.089	40	59	.89	170	.09	38	1.85	.07	.13	11	510

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 26 1991 DATE REPORT MAILED: June 28/91 SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Copy: Terry W

File: 226-Eagle





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	Au* ppb
41104	1 177	2	45	.2	7	18	549	5.15	4	5	ND	1 137	.2	2	2 147	1.42	.191	9	5	1.18	203	.17	7	1.69	.16	.26	1	5			
41105	1 176	2	51	.3	8	17	578	5.09	2	5	ND	2 143	.3	2	2 153	1.39	.186	10	5	1.05	207	.18	6	1.84	.21	.34	1	6			
41106	1 166	2	50	.1	8	18	540	5.23	2	5	ND	1 115	.2	2	2 156	1.66	.191	11	5	1.09	107	.19	5	1.90	.11	.20	1	3			
41107	1 162	2	45	.2	8	19	480	5.11	5	5	ND	1 111	.2	2	2 153	1.68	.194	10	4	1.04	138	.17	6	1.72	.14	.22	2	6			
41108	1 172	2	42	.1	8	17	573	5.30	5	5	ND	1 130	.4	2	2 158	1.39	.192	9	5	.99	175	.18	8	1.43	.20	.27	2	2			
41109	1 182	2	45	.3	8	17	567	5.33	2	5	ND	1 132	.5	2	2 160	1.53	.203	10	4	1.02	160	.17	7	1.57	.20	.28	2	5			
41110	1 195	2	40	.1	8	15	480	4.54	4	5	ND	2 113	.2	2	2 136	1.11	.177	9	5	.79	176	.15	4	1.24	.19	.32	1	4			
41111	1 221	2	40	.3	8	17	514	5.15	2	5	ND	1 114	.2	2	2 153	1.30	.198	10	5	.94	148	.17	4	1.30	.18	.28	1	7			
41112	1 169	5	44	.3	7	17	527	5.04	3	5	ND	1 111	.4	2	2 151	1.72	.193	10	5	1.03	135	.18	6	1.54	.15	.23	1	5			
41113	1 147	2	55	.4	8	18	604	5.38	5	5	ND	1 113	.3	2	2 156	2.84	.197	10	5	1.31	118	.20	5	1.81	.13	.19	2	3			
41151	1 108	2	54	.2	13	18	541	3.42	4	5	ND	1 49	.2	2	2 86	2.60	.059	3	13	1.16	82	.25	9	2.63	.17	.08	1	1			
41152	1 115	2	49	.3	15	20	614	3.68	9	5	ND	1 52	.5	2	2 91	2.89	.054	2	14	1.28	55	.21	15	2.84	.15	.08	1	2			
41153	1 119	2	55	.3	12	17	581	3.23	8	5	ND	1 60	.4	2	2 85	2.58	.062	2	13	1.32	106	.20	16	2.70	.24	.07	1	4			
41154	1 94	2	63	.2	12	18	693	3.98	7	5	ND	1 40	.7	2	2 100	3.08	.055	2	15	1.60	49	.19	12	2.77	.14	.08	1	2			
41155	1 104	2	64	.4	14	20	868	4.32	10	5	ND	1 49	.6	2	2 101	3.28	.056	2	17	1.46	80	.18	7	2.64	.14	.10	1	9			
41156	1 88	31	109	5.0	9	21	1869	4.38	970	5	ND	1 77	1.4	27	2 61	5.77	.055	2	5	.93	37	.01	7	.82	.01	.16	1	230			
41157	1 103	630	1455	10.8	9	20	2538	5.49	482	5	ND	1 56	19.6	29	2 62	4.41	.053	2	12	1.18	47	.01	5	1.97	.01	.19	1	120			
41158	1 142	605	850	14.6	27	18	2493	4.86	1459	5	ND	1 103	10.8	31	2 35	4.08	.070	4	16	1.18	48	.01	6	.85	.01	.24	1	350			
41159	1 114	16	214	1.2	24	17	1674	3.86	612	8	ND	1 132	1.9	7	2 77	5.70	.063	4	28	1.21	71	.10	6	2.37	.14	.09	1	100			
41160	1 243	70	227	1.3	31	19	1555	4.67	45	6	ND	1 112	2.2	2	2 87	5.02	.067	6	34	1.46	76	.07	7	2.71	.13	.12	1	9			
41161	1 129	100	182	3.5	27	16	2513	4.72	483	5	ND	1 146	2.1	20	2 62	6.21	.068	5	20	1.36	50	.02	7	1.42	.03	.13	1	120			
41162	1 142	9	115	.5	29	17	1127	3.99	77	5	ND	1 206	1.2	5	2 75	4.79	.068	6	25	1.27	101	.10	10	2.31	.20	.06	1	6			
41163	1 122	59	262	.7	28	17	1357	3.82	138	5	ND	1 149	3.3	5	2 64	4.86	.064	5	23	1.14	113	.11	10	1.99	.13	.07	1	19			
41164	1 137	4	76	.5	28	18	848	3.62	10	5	ND	1 91	.7	2	2 83	3.48	.071	4	24	1.25	126	.22	8	2.60	.18	.07	1	5			
41165	1 138	7	81	.4	27	19	798	3.57	22	5	ND	1 91	.4	2	2 76	3.30	.073	5	20	1.23	131	.23	9	2.54	.19	.07	2	4			
41166	1 152	14	206	.8	30	15	728	2.87	30	11	ND	2 74	1.2	2	2 56	3.00	.077	6	22	.90	90	.24	13	1.89	.17	.09	1	4			
41167	2 152	5	64	.4	32	19	552	2.65	32	5	ND	1 100	.5	2	2 52	2.84	.071	5	21	.85	113	.24	14	2.17	.27	.07	1	3			
41168	1 113	5	66	.6	23	15	895	3.17	82	5	ND	1 86	1.2	2	2 55	5.76	.067	5	21	.75	57	.16	15	2.13	.12	.11	1	73			
41169	1 117	2	32	.3	11	15	526	3.31	10	5	ND	1 232	.3	2	2 85	2.24	.061	4	15	1.01	386	.34	6	2.48	.28	.14	1	4			
41170	1 143	2	41	.5	14	16	553	3.47	9	5	ND	1 86	.2	4	2 82	1.92	.063	4	16	1.03	144	.33	8	2.37	.21	.09	3	2			
41171	1 180	2	42	.4	12	16	541	3.55	7	5	ND	1 97	.6	2	2 82	3.38	.049	3	12	.95	95	.29	43	2.66	.13	.07	1	4			
41176	1 96	4	74	.5	8	19	943	4.72	11	5	ND	1 114	1.2	2	2 98	3.48	.057	3	10	1.31	59	.19	7	2.68	.14	.11	1	18			
41177	2 131	3583	7008	34.0	✓13	19	3275	9.53	14637	✓5	5	1 71	91.6	99	2 14	2.83	.043	2	29	.97	20	.01	2	.46	.01	.22	1	2160			
41178	2 258	6393	11410	54.1	✓14	19	3958	7.78	11977	✓5	3	1 83	150.8	203	2 15	3.72	.037	2	35	1.30	19	.01	2	.39	.01	.22	1	1990			
41179	5 190	5780	14099	54.8	✓16	19	1818	7.28	15066	✓5	2	1 84	181.4	123	2 27	3.26	.044	2	43	1.10	23	.01	4	.52	.01	.22	1	1230			
41180	1 116	391	658	4.5	22	18	1543	4.03	305	5	ND	1 150	8.1	14	2 73	4.54	.062	4	28	1.25	145	.08	10	2.79	.21	.14	1	54			
STANDARD C/AU-R	19 62	40	132	7.4	71	34	1058	3.97	38	15	7	40 53	18.7	15	21 57	.48	.090	39	60	.88	175	.09	40	1.93	.07	.13	12	480			

✓ ASSAY RECOMMENDED



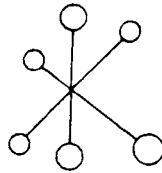
ACME ANALYTICAL



ACME ANALYTICAL

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	Au* ppb
41181	3	170	33	103	.6	32	16	737	2.91	68	5	ND	2	122	1.1	6	2	60	3.33	.079	5	23	1.11	249	.13	9	2.82	.27	.07	1	12
41182	1	158	44	177	.7	31	20	1306	4.48	153	9	ND	2	95	1.9	5	2	92	4.99	.081	6	33	1.37	136	.09	7	2.58	.13	.11	1	11
41183	2	143	1051	3301	8.0	35	21	1729	5.42	718	5	ND	1	150	42.5	28	2	72	4.98	.083	3	35	1.52	62	.01	4	1.30	.04	.14	1	91
41184	2	92	23	113	1.8	26	16	1830	4.61	78	11	ND	2	237	1.3	28	2	65	6.40	.067	2	17	2.04	36	.01	3	.65	.01	.12	1	9
41185	3	200	7669	15258	125.6	24	15	209	12.76	39158	5	2	2	21	200.7	156	4	6	.53	.052	2	30	.14	18	.01	2	.32	.01	.20	1	2670
41186	3	365	9287	26221	104.8	19	15	193	8.44	12468	5	ND	1	18	339.9	152	2	6	.45	.058	2	55	.11	19	.01	2	.33	.01	.21	1	1120
41187	1	261	4871	10512	56.2	19	16	2528	5.24	4897	5	ND	1	92	146.2	176	2	13	2.85	.056	2	23	.84	21	.01	5	.37	.01	.23	1	740
41188	1	94	73	263	1.2	18	17	1590	5.12	227	6	ND	1	195	2.6	12	2	66	4.72	.062	2	15	1.67	122	.01	9	.95	.02	.14	1	41
41189	1	178	48	260	.9	30	19	1530	5.19	67	5	ND	2	194	2.0	10	2	74	4.11	.062	3	18	1.58	156	.01	8	.62	.02	.11	1	10
41190	1	117	25	142	.4	21	23	1426	5.98	104	6	ND	2	220	1.2	12	2	94	4.69	.086	5	18	1.74	170	.01	10	1.17	.04	.17	1	18
41191	1	78	19	95	.1	17	19	1358	5.52	50	5	ND	1	170	1.1	12	2	94	4.64	.061	5	13	1.77	82	.01	11	.64	.02	.14	1	4
41192	1	86	18	170	.1	19	27	1471	5.61	236	5	ND	1	190	1.3	16	2	101	5.35	.063	4	23	1.81	87	.01	8	1.18	.02	.14	1	1
STANDARD C/AU-R	18	60	38	134	7.3	70	33	1111	4.02	39	16	7	40	53	18.5	15	19	55	.50	.098	40	59	.87	188	.09	32	2.04	.07	.15	11	530

✓ ASSAY RECOMMENDED



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-455

JUNE 11, 1991

CERTIFICATE OF ASSAY ETK 91-326

=====

NORANDA EXPLORATION CO. LTD.
STE 3A - 1750 QUINN STREET
PRINCE GEORGE, B.C.
V2N 1X3

RECEIVED
JUN 17 1991
ASSAY


cc Terry

ATTENTION: TERRY WALKER, PROJECT GEOLOGIST

SAMPLE IDENTIFICATION: 23 CORE samples received JUNE 10, 1991
----- PROJECT: 226

ET#	Description	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Cu (%)
326 - 1	37626	<.03	<.001	<.1	<.01	.01
326 - 2	37627	.28	.008	19.4	.57	.01
326 - 3	37628	.67	.020	25.0	.73	.01
326 - 4	37629	<.03	<.001	.1	<.01	.01
326 - 5	37630	<.03	<.001	4.4	.13	<.01
326 - 6	37631	.12	.003	28.3	.83	.01
326 - 7	37632	.14	.004	39.2	1.14	.01
326 - 8	37633	3.82	.111	1250.	36.45	.16
326 - 9	37634	1.19	.035	50.1	1.46	<.01
326 - 10	37635	5.31*	.155	324.0	9.45	.04
326 - 11	37636	3.01	.088	144.2	4.21	.02
326 - 12	37637	.99	.029	80.1	2.34	.01
326 - 13	37638	2.52	.073	82.2	2.40	.01
326 - 14	37639	4.40	.128	35.8	1.04	<.01
326 - 15	37640	14.74*	.430	28.1	.82	<.01
326 - 16	37641	3.17	.092	3.5	.10	<.01
326 - 17	37651	.04	.001	.9	.03	<.01
326 - 18	37652	.94	.027	292.8	8.54	.04
326 - 19	37653	1.89	.055	178.1	5.19	.03
326 - 20	37654	7.27*	.212	39.8	1.16	<.01
326 - 21	37655	6.76*	.197	271.8	7.93	.03
326 - 22	37656	.38	.011	39.2	1.14	<.01
326 - 23	37657	.47	.014	42.8	1.25	<.01

NOTE: < = LESS THAN
* SAMPLES SCREENED AND METALLIC ASSAYED

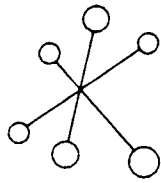


ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.S.C.T.
B.C. CERTIFIED ASSAYER

file 226-Ea

FAX: NORANDA WPG

SC91/NORANDA1



ECO-TECH LABORATORIES LTD.

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

METALLIC CALCULATION =====

SAMPLE NUMBER

326-10
326-15
326-20
326-21

-140 VALUE

5.98
15.27
7.61
6.79

+140 VALUE

1.599866
5.922875
4.291956
3.458213

CALCULATED VALU

5.308766
14.74349
7.256465
6.7609

RECEIVED
JUN 17 1991
LABORATORY



± 872

TCHENTLO

LAKE

VECTOR
SHOWING

MID-ZONE
SHOWING

NIGHTHAWK
SHOWING

GIBSON
SHOWING

LEGEND

Symbols

- Contours
- Creek
- Claim Bdy.
- Road
- DDH Location
- Geological Contact

Geochem Anomalies

- Copper > 200 ppm
- Arsenic > 50 ppm

Chargeability Contours in msec.

- 30
- 20
- 10

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,762

REVISED	EAGLE PROPERTY	
	Compilation & Drill Hole Location Map	
FILE No. 294	DRAWN BY: P.J.L.	DATE: July 1991
NTS: 83H/2	SCALE: 1:10,000	
DWG. No. Fig. 1	NORANDA EXPLORATION	
	OFFICE: 6000 50th St. N. Edmonton, Alberta	



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,762

LEGEND

Symbols

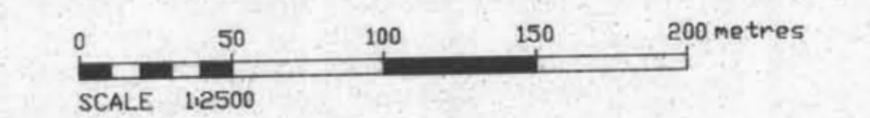
- Contours
- Creek
- Claim Bdy.
- Road
- DDH Location
- Geological Contact

Geochem Anomalies

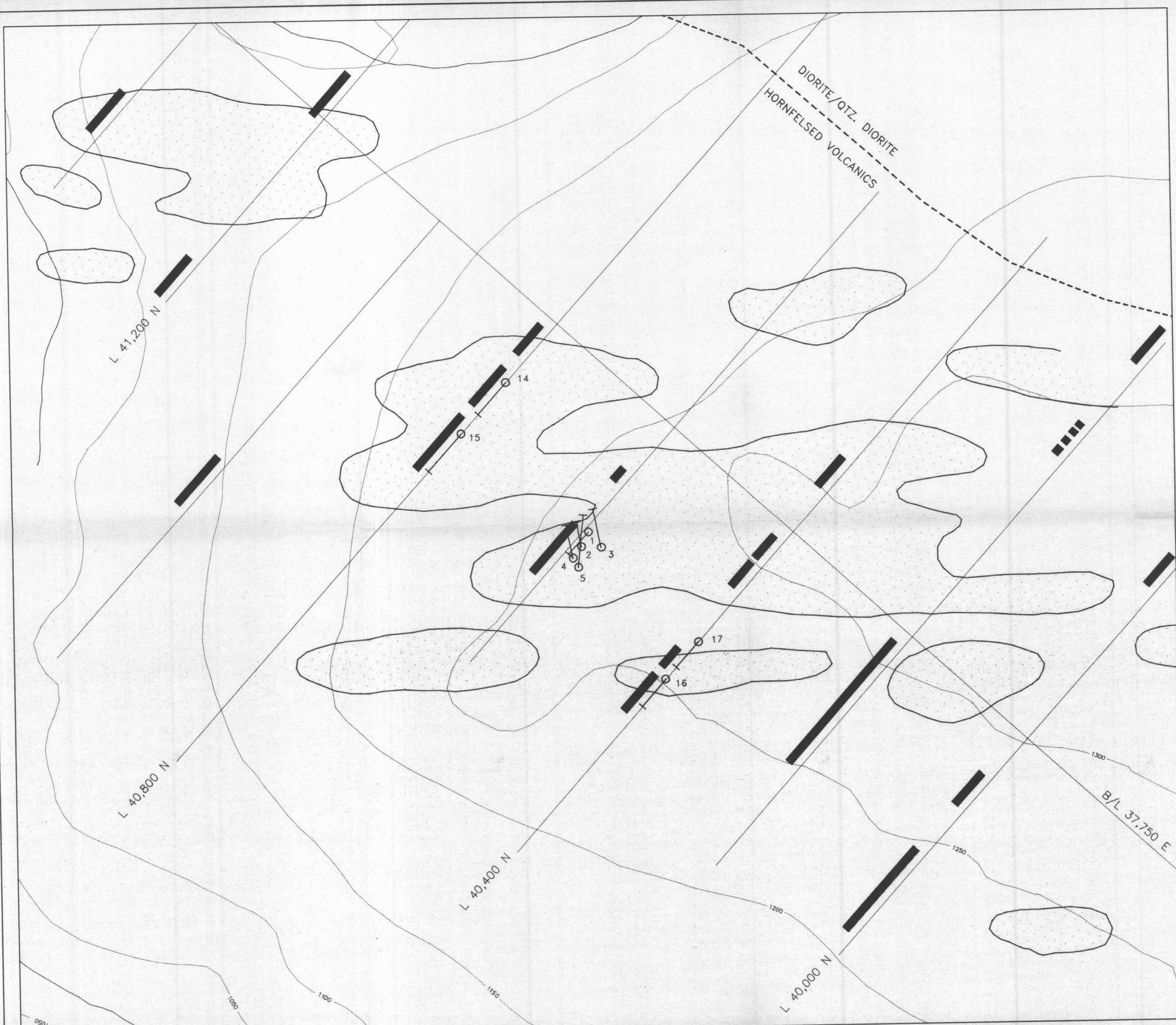
- Arsenic >50 ppm

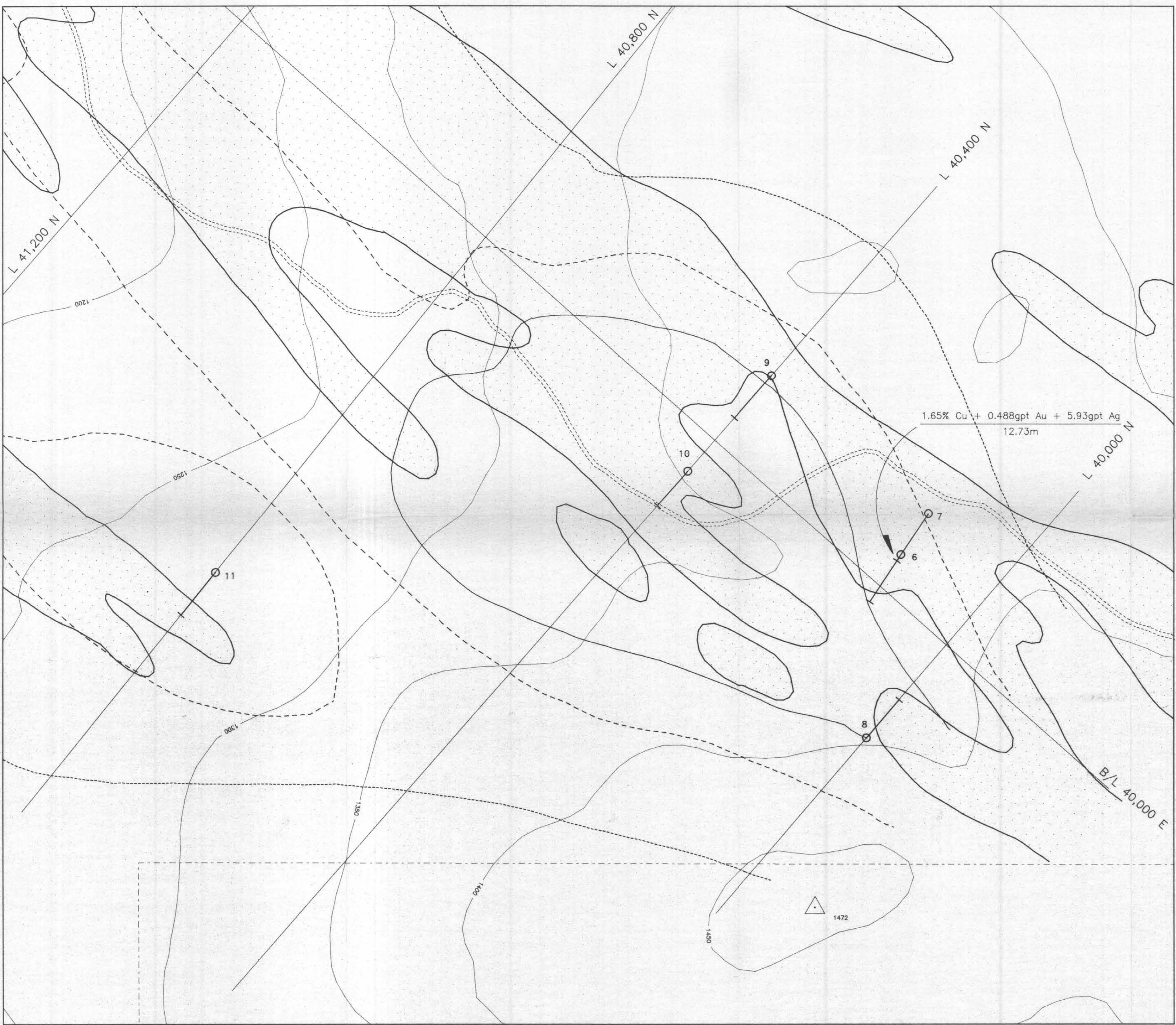
Chargeability Bars

- Strong Increase in Polarization
- Moderate Increase in Polarization



REVISED	EAGLE PROPERTY	
	DRILL HOLE LOCATION MAP	
	GIBSON GRID	
PROJ. No. 284	SURVEY BY: P.J.L.	DATE: July 1991
N.T.S. 93N/2	DRAWN BY:	SCALE: 1:2,500
DWG. No.	NORANDA EXPLORATION	
Fig. 2	OFFICE: PRINCE GEORGE, B.C.	





LEGEND

Symbols

- Contours
- Creek
- Claim Bdy.
- Road
- DDH Location
- Geological Contact

Geochem Anomalies

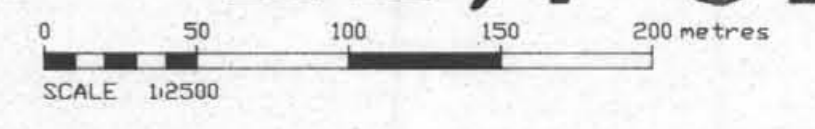
- Copper > 200 ppm

Chargeability Contours in msec.

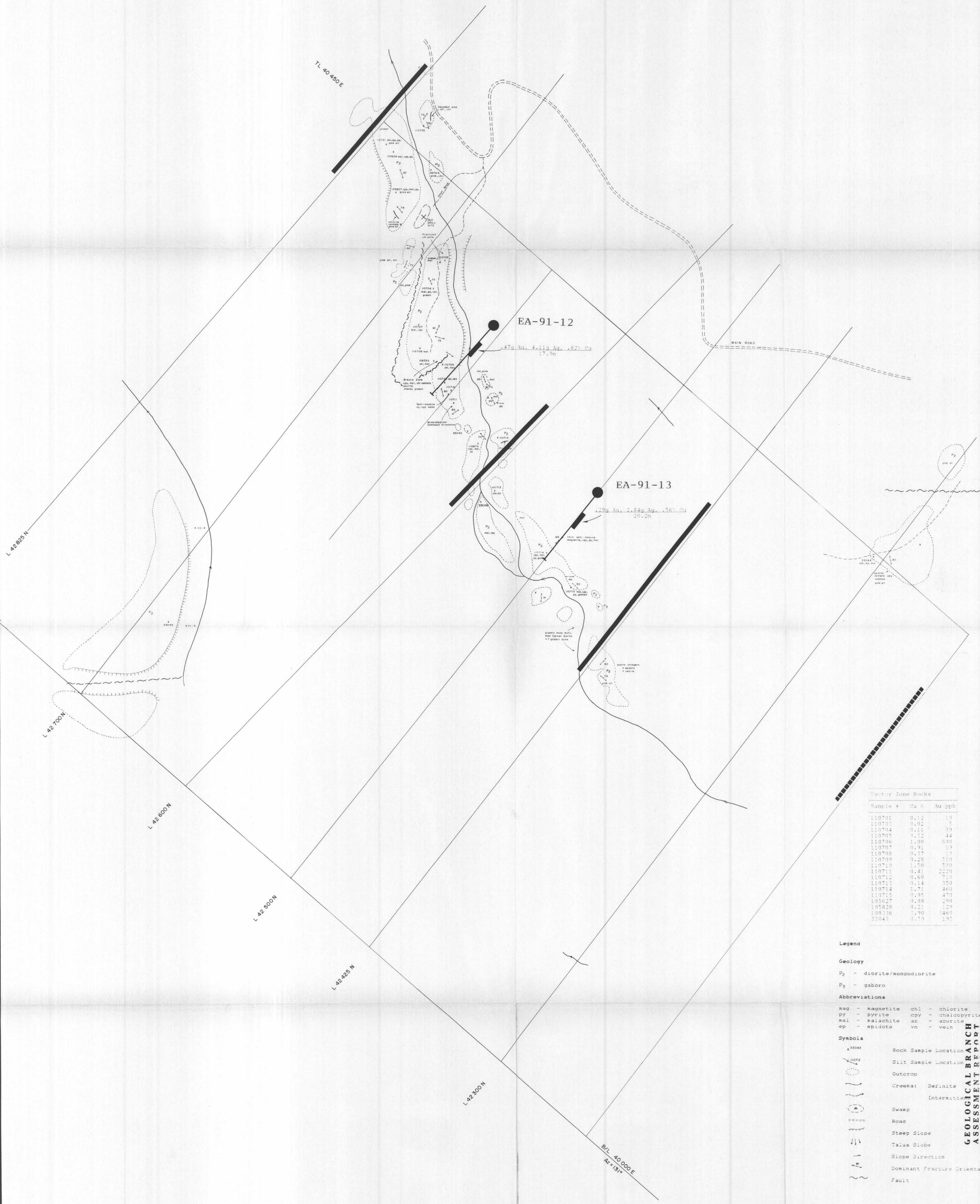
- 30
- 20
- 10

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,762



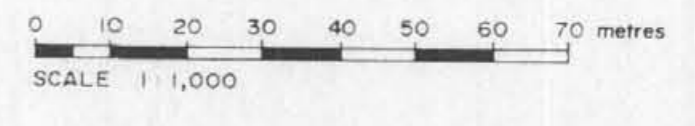
REVISED	EAGLE PROPERTY		
	DRILL HOLE LOCATION MAP		
	NIGHTHAWK ZONE		
PROJ. No. 284	SURVEY BY: P.J.L.	DATE: July 1991	
N.T.S. 83N/2	DRAWN BY:	SCALE: 1:2,500	
DWG. No.	NORANDA EXPLORATION		
Fig. 3	OFFICE: PRINCE GEORGE B.C.		



Vector Zone Rocks

Sample #	Cu %	Au ppb
110701	0.12	13
110702	0.02	4
110704	0.11	36
110705	0.12	44
110706	1.00	600
110707	0.91	13
110708	0.32	13
110709	0.28	510
110710	1.50	500
110711	0.41	2200
110712	0.60	710
110713	0.14	330
110714	1.71	460
110715	0.95	470
105027	0.88	290
105028	0.21	129
108336	1.90	1460
13041	0.73	195

- Legend**
- Geology**
- P₂ - diorite/monzodiorite
 - P₃ - gabbro
- Abbreviations**
- mag - magnetite
 - py - pyrite
 - mal - malachite
 - ep - epidote
 - chl - chlorite
 - cpy - chalcopyrite
 - az - azurite
 - vn - vein
- Symbols**
- Rock Sample Location
 - Silt Sample Location
 - Outcrop
 - Creeks: Definite
 - Intermittent
 - Swamp
 - Road
 - Steep Slope
 - Talus Slope
 - Slope Direction
 - Dominant Fracture Orientation
 - Fault



GEOLOGICAL BRANCH ASSESSMENT REPORT

21,762

REVISED	VECTOR ZONE	
	GEOLOGY AND SAMPLE LOCATIONS	
PROJ. No. 284	SURVEY BY: F. Stewart	DATE: OCT 7 1990
N.T.S. 93N/2	DRAWN BY: R.J.L.	SCALE: 1:1,000
DWG. No. 4	NORANDA EXPLORATION	
	OFFICE: PRINCE GEORGE, B.C.	