Diamond Drilling Report
for Drilling completed
on the
Red Cap Property
Kap 3 and Kap 4 Mineral Claims
located within the
Atlin Mining Division
NTS 104 K / 11W, 14W
Lat. 58° 45'N , Long. 133° 30 E

July 1999

Prepared for
XPLORER GOLD CORP.
Kelowna, British Columbia

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SUMMARY

A twelve-hole drilling program was completed in 1998 on Xplorer Gold Corp.'s Red Cap property in northwestern British Columbia. This property is located approximately 90 km south of the town of Atlin between the Taku River and Mount Lester Jones. Drilling totaled 1,752 m of slim-walled B diamond drilling.

Exploration in the Red Cap area has occurred since prospectors discovered gold in the area in the late 1800's. References to the area are noted in the Annual Mines Minister's Reports in 1930 and 1931; however, there was no drilling on the property until 1971. Prospecting, geological mapping, geochemical sampling, geophysical surveying, and drilling have been carried out intermittently since 1980. The focus of the drill program completed in 1998 on the property was an evaluation of a number of gold and base metal showings in the East Cirque zone.

The geology of the area consists of a Paleozoic to Permian basement rocks composed of metamorphosed volcanic and sedimentary rock units. The Upper Triassic Stuhini Group consists of a lower volcanic sequence and the overlying sedimentary rock units belonging to the King Salmon Formation. The conglomerates of the lower to middle Jurassic Takwahoni Formation overlie rocks of the Stuhini Group in the southern part of the property. In late Cretaceous to Tertiary time, the area was intruded by porphyry stocks which formed at the edge of the Coastal intrusive complex. Effusive equivalents belonging to the Sloko Group were extruded at the same time. Uplift, erosion, and glaciation produced the current high topographic relief of the area.

Mineralization on the property in primarily related to the presence of an upper level, copper-moly porphyry system developed in the area. Other possible ore deposits types include earlier volcanogenic massive sulphide mineralization and subsequent epithermal gold mineralization.

While the results of the drilling program were generally disappointing, there were several mineralized intersections of note. A 3 m interval in hole LJ-98-5A assayed 3.7 g/t gold and 26.0 g/t silver. In hole RV-98-10, there were two intervals which significant: the first assayed 12.05 g/t gold and 49.5 g/t silver over 7.15 m; the adjacent intersection assayed 2.50 g/t gold and 18.37 g/t silver.

Both of these holes require additional drilling evaluation. In addition, the massive sulphide mineralization identified previously in hole RC81-1 should be reevaluated by diamond drilling.

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INTRODUCTION

At the request of Mr. Ernest Bergvinson, president of Xplorer Gold Corp., Taiga completed an assessment report on the diamond drilling carried out on the Red Cap Property in 1998. Taiga has relied entirely on data provided by the company with regard to this drilling program in order to complete this report

Location and Access

The Red Cap property is located in northwest British Columbia approximately 90 km south of the town of Atlin. Juneau, Alaska is located about 75 km toward the southwest. The property is situated at the headwaters of Red Cap Creek 5 km east of the Taku River and immediately northwest of Mount Lester Jones. The exact location of the property is 58°44' North Latitude and 133°16' West Longitude in N.T.S. 104 K/11W & K/14W.

Access to the property is via helicopter from the airstrip at Atlin. Additional access is provided by fixed wing to an airstrip along the Taku River about four kilometers northwest of the claims and then via helicopter to the property.

Physiography

The Red Cap Property is positioned on the eastern edge of the Coast Range Mountains. The topography of the area is steep and rugged with serrated ridges present in the upper elevations. Vertical relief is about 2,100 meters, from the deeply incised valley of the Taku River (40 metres) to Mount Lester Jones at an elevation of 2,139. Figure 1 illustrates the location of the property.

Precipitation is heavy averaging 200 cm a year. The precipitation falls mainly as snow in the winter months. Heavy snowfall limits the field season to a period from July to mid-November depending on the year. Treeline is at approximately 1000 m elevation with the lower valleys choked by dense forest cover.

The entire area has been subjected to alpine glaciation during the Pleistocene producing broad U-shaped valleys. In the upland areas, cirques and arêtes are the result of glacial erosion. An ice field and glaciers are still present on the north flank of Mount Lester Jones.

Claim Status

The Red Cap Property is located within the Atlin Mining Division and was staked under the provisions of the British Columbia Mineral Tenure Act. The claims on which assessment credits have been filed are listed along with relevant claim data in Table 1 and illustrated in Figure 2. The renewal period indicated is based on a 'Statement of Work' filed previously and upon the acceptance of this technical report describing the results of the drilling program completed in 1998.

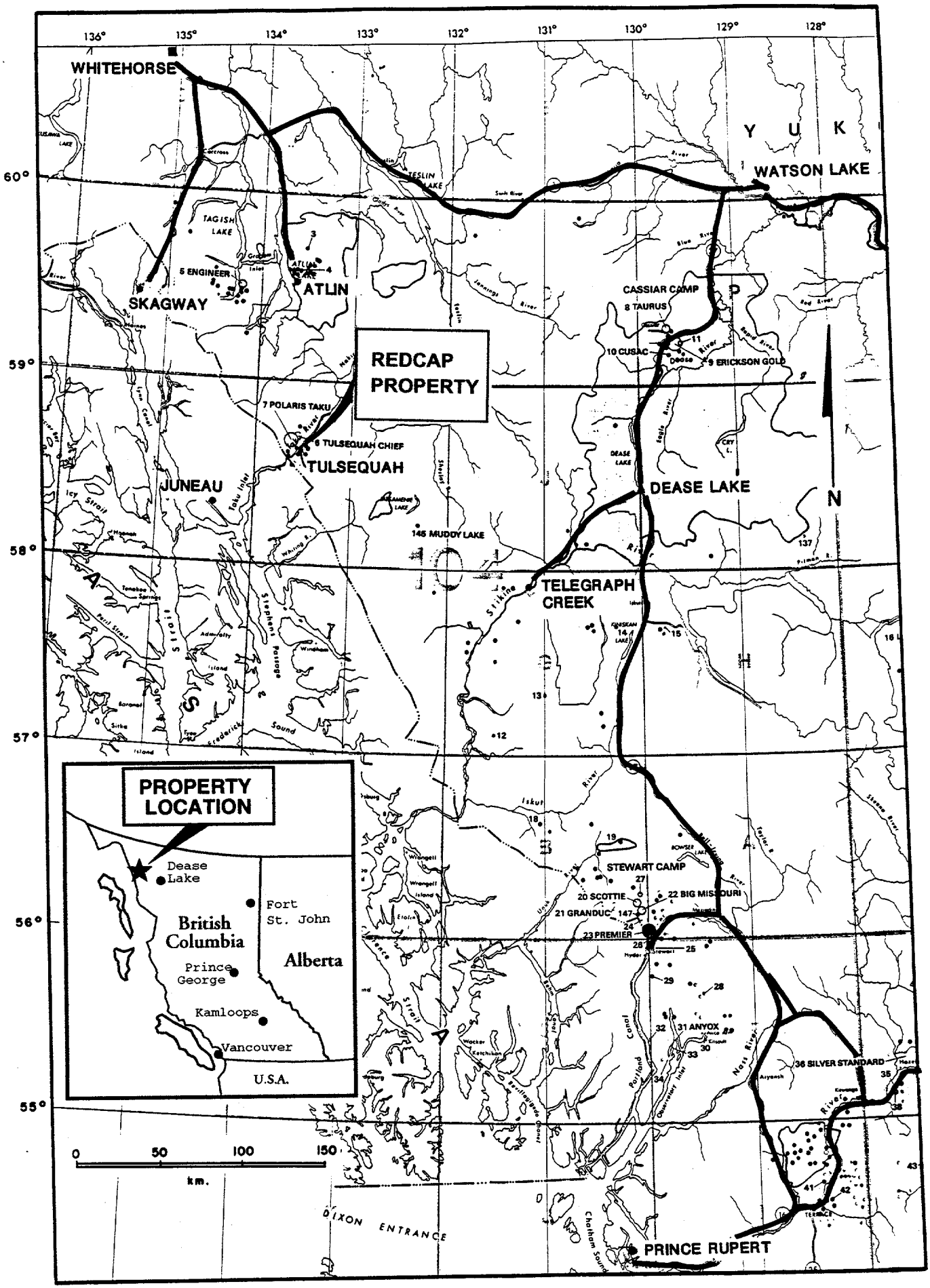


FIGURE 1

GENERAL LOCATION MAP

Table 1 - Claims Status

Claim Name	Tenure No.	Tag No.	Units	Mining Division	Renewal Date
KAP 1	328661	213362	4	Atlin	15/07/2009
KAP 2	328662	213361	10	Atlin	15/07/2009
KAP 3	328663	213360	8	Atlin	15/07/2009
KAP 4	325568	227190	20	Atlin	15/05/2009
KAP 5	336079	227227	20	Atlin	15/09/2009
KAP 6	336080	227225	4	Atlin	15/09/2009
RED CAP	345065	207896	8	Atlin	15/09/2009
CAT 5	325569	227191	5	Atlin	15/05/2009
RED CAP 5	345065	207896	8	Atlin	28/03/2001

These claims constitute the current Red Cap Property, encompassing a total of 83 units or 2,025 hectares, and are held 100% by Xplorer Gold Corp. All of these claims with the exception of the RED CAP 5 have been grouped for purposes of assessment as Group #3134152.

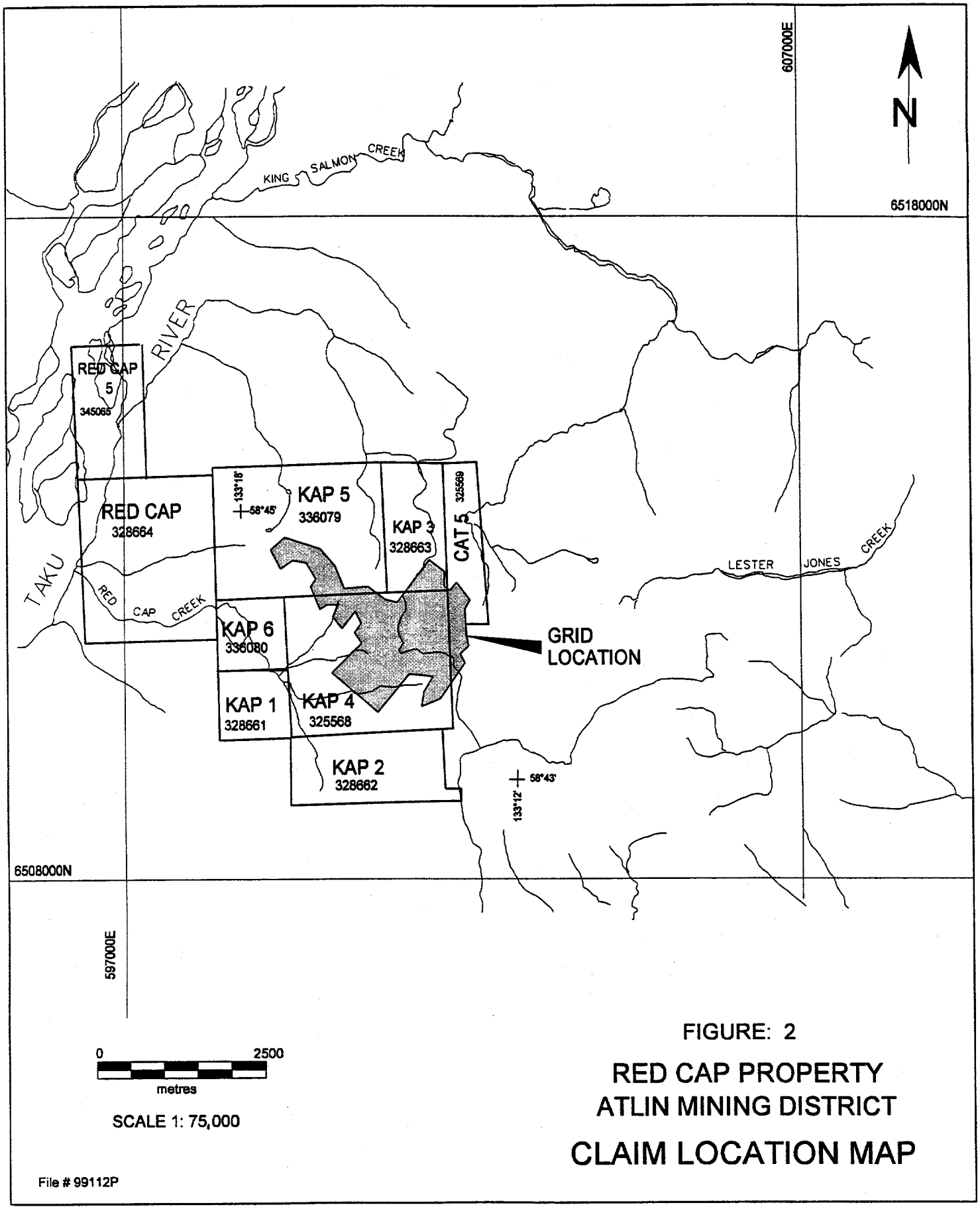


FIGURE: 2

RED CAP PROPERTY
ATLIN MINING DISTRICT

CLAIM LOCATION MAP

File # 99112P

GEOLOGY

Regional Geology

The Red Cap property is located along the western edge of the Intermontane Belt where the Whitehorse Trough overlies the Atlin Horst to the northeast and the Stikine Arch to the south. The Coastal Plutonic Complex lies to the west of this area.

Intensely folded and regionally metamorphosed sedimentary and volcanic rock units of Permian and Paleozoic ages constitute the basement complex of this region. This basement succession consists of metasedimentary and metavolcanic rock units.

The Whitehorse Trough is an elongate basin of Mesozoic age consisting of sedimentary and volcanic rocks. This trough separates the older, more intensely folded rock units of the Stikine Arch from the Atlin Horst sequence. The Whitehorse Trough is thought to be a fore-arc basin while the Coastal Plutonic is believed to be a reactivated root of an associated arc. The basin and arc collided with the North American craton during Jurassic and Cretaceous time.

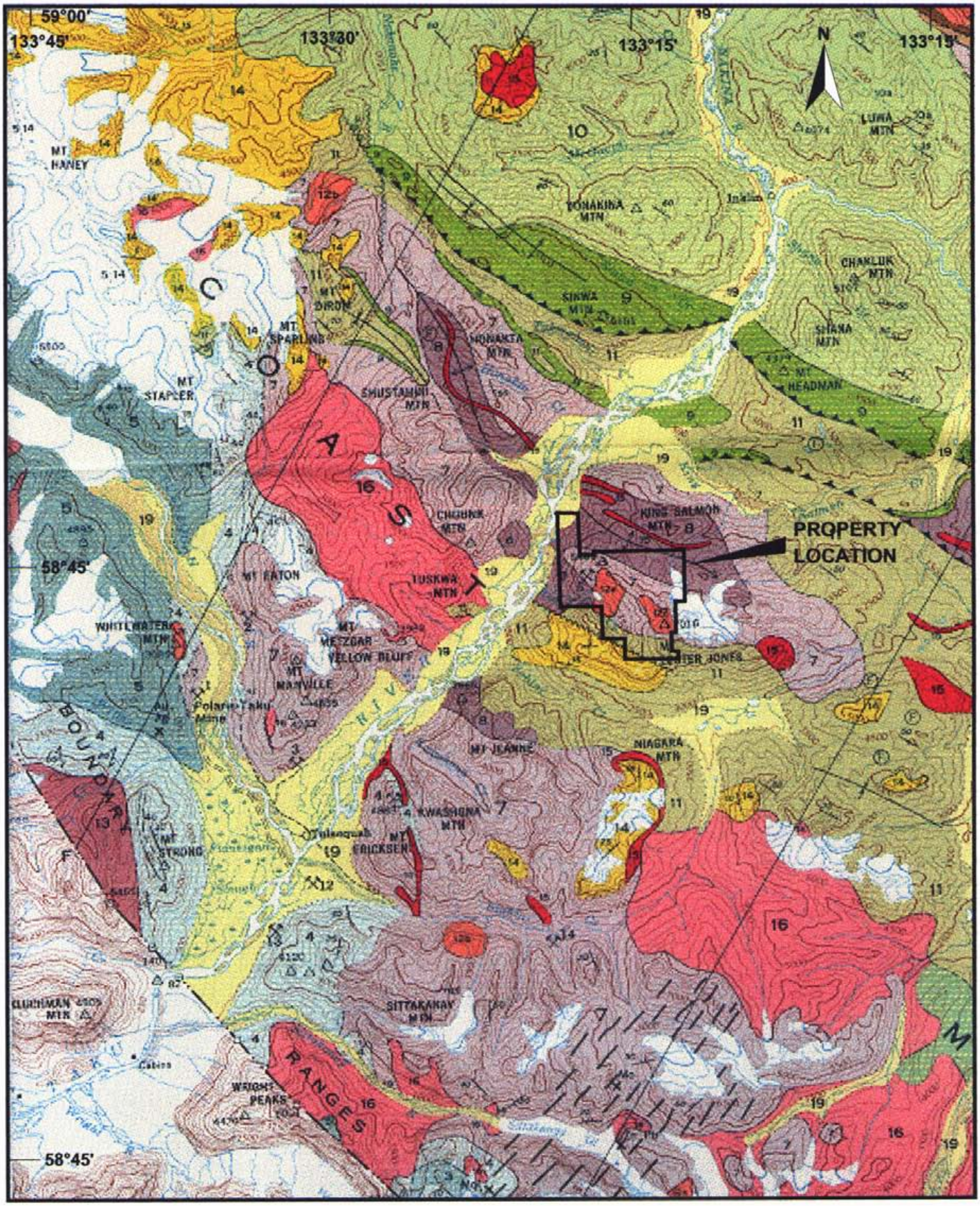
Felsic to intermediate volcanic formations of the Late Cretaceous to Tertiary Sloko Group intrude and overlie older rocks along the eastern margin of the Coastal Plutonic Complex. The main mineralizing event in this region is related to quartz veining and porphyry systems developed along the eastern edge of this plutonic belt.

Property Geology

The property under investigation is located on the southern flank of a southeast plunging anticline within the northwest-trending Stuhini Group. The claims are underlain by volcanic flows, pyroclastic rock units, and sedimentary rocks belonging to the Upper Triassic Stuhini Group. Volcanic rock units consist of rhyolitic to basaltic flows, volcanic breccia, agglomerate, tuffs, and minor volcanic sandstone. These volcanic units are disconformably underlain by sedimentary rock units form the Upper Triassic King Salmon Formation.

The King Salmon Formation is comprised of thick-bedded, dark greywacke, conglomerate, mudstone, siltstone, and shale with minor volcanic flows, tuffs, breccia, limy shale, and limestone. Overlying the Stuhini Group along the southern margin of the property is the Takwahoni Formation of the LaBarge Group, which is composed of conglomerate, sandstone, shale, and greywacke.

The Stuhini Group and the Takwahoni Formation are intruded by Cretaceous hornblende, biotite granodiorite stocks that form part of the Coastal Plutonic Complex and associated feldspar porphyry dykes that are thought to be correlative with the Cretaceous to Tertiary Sloko Group. On the property, these intrusive rocks consist of light grey, medium crystalline granodiorite and a darker grey diorite or quartz diorite.



Source: GSC Map 1262A
Geology of the Tulsequah and Juneau Area

0 10km

1:250,000

FIGURE: 3

XPLORER GOLD CORP.

REDCAP PROPERTY
LOCAL GEOLOGY

Table 2 - Table of Formations

CENOZOIC	**QUATERNARY**	
	PLEISTOCENE AND RECENT	
	19	Fluviatile gravel, sand, silt; glacial outwash, till, alpine moraine, and undifferentiated colluvium
	CRETACEOUS AND TERTIARY	
	LATE CRETACEOUS AND EARLY TERTIARY	
	16	probably genetically related to 14 : medium- to coarse-grained, pink, biotite-hornblende quartz monzonite
	15	probably genetically related to 14 :felsite, quartz-feldspar porphyry
	14	Sloko Group: Light green, purple and white rhyolite, dacite, and trachyte flows, pyroclastic rocks, and derived sediments
	PRE-UPPER CRETACEOUS	
	13	CENTRAL PLUTONIC COMPLEX: granodiorite, quartz diorite: minor diorite, leuco-granite, migmatite and agmatite; age and relationship to 12 uncertain
MESOZOIC	**JURASSIC AND/OR CRETACEOUS**	
	POST MIDDLE JURASSIC	
	12	12a, hornblende-biotite granodiorite; 12b, biotite-hornblende quartz diorite; 12c, hornblende diorite; 12d, augite diorite. Age and relationship to 13 uncertain
	JURASSIC	
	LOWER AND MIDDLE JURASSIC	
	11	LABERGE GROUP (10,11) : *Takwahoni Formation* : granite-boulder conglomerate, chert-pebble conglomerate, greywacke, quartzose sandstone, siltstone, shale
	10	*Inklin Formation* : well bedded greywacke, graded siltstone and silty sandstone, pebbly mudstone, limy pebbly conglomerate; 10a, limestone
	TRIASSIC	
	UPPER TRIASSIC	
	9	*Sinwa Formation* : limestone; minor sandstone, argillite, chert
	8	STUHINI GROUP (7,8) : *King Salmon Formation* : thick bedded, dark greywacke, conglomerate, mudstone, siltstone, and shale; minor andesitic lava, volcanic breccia, tuff, limestone limy shale; locally enclosed in 7
	7	mainly volcanic rocks; andesite and basalt flows, pillow lava, volcanic breccia and agglomerate, lapilli tuff; minor volcanic sandstone, greywacke, and siltstone

On the Red Cap property, the Stuhini Group has been divided into two assemblages. The southern assemblage is described as consisting of submarine pillow lavas, breccias, and agglomerate of dark grey to black basalt and basaltic andesite. The northwestern assemblage is described as a succession of at least 3,500 metres of mainly subaereal andesite flows and pyroclastic rocks interlayered with coarse breccia and volcanic conglomerate. These volcanics are primarily dark green in the lower part of the section and lighter green or purple in the middle

and upper parts of the section. The volcanics in the Red Cap area are composed of pale green to white volcanic flows, flow breccias, ash tuffs, lapilli tuffs, and agglomerate of andesitic to rhyolitic composition. These volcanics are either a more acidic version of the Stuhini Group or the extrusive equivalent of the Sloko Group. Figure 3 is taken from Souther (1971) and shows the general geology and Table 2 describes the formations present in the property area.

There are three main structural components in the Red Cap area. The most pronounced of these is an east-northeast trending fault, located in the northern part of the claims in Fault Creek. The second major structure strikes in a northeast direction and runs through the core of the porphyry intrusive. The third structure cuts the northeast part of the claims. A system of east-west and northeast-southwest faults and fractures form the basic fabric of the area. The presence of these structures controlled subsequent development of stockworks within the porphyry system and appears to have influenced the distribution of the associated mineralization.

HISTORY OF EXPLORATION

The Tulsequah area has been the focus of much exploration activity since the latter part of the 1800s. Little is known about the early history of the Red Cap prospect, other than the large gossan and numerous small high gold veins attracted prospectors to the area in the Late 1920's. The prospect was mentioned in the 1930 and 1931 Minister of Mines Annual Reports. Included in these reports were several assays, obtained from samples from the Red Cap. One galena-rich, quartz vein assayed 1.59 ounces per ton gold and a composite sample of an area 100x400 feet is reported to have assayed 0.21 ounces per ton gold and 1.00 ounce per ton silver.

Souther mapped the Tulsequah map-sheet for the geological Survey of Canada between 1958 and 1960, and in GSC Memoir 362, he reports that:

> Mineralization on this property is related to the contacts of a small granodiorite stock. The adjacent Stuhini and King Salmon volcanics rocks have been silicified, carbonatized, and heavily pyritized for a distance as much as 3,000 feet from the contact. Within this altered zone are quartz-carbonate-pyrite veins with lesser amounts of sphalerite, galena, chalcopyrite and arsenopyrite.

In 1971, Archer Cathro and Associates staked the MIKE claims over the Red Cap showing and drilled five short vertical holes totaling 88 feet on the north side of Red Cap Lake. These holes were unable to penetrate through the surface oxidation to fresh bedrock. Despite poor recoveries from these holes, they were able to confirm the presence of molybdenite in geochemically anomalous amounts. Copper and silver were not reported, but were likely depleted by surface oxidation.

Omni Resources staked the Red Cap Prospect in 1979 and initiated a prospecting program. In 1980, a total of 43.45 km of grid line were put in with 100m lines and 50 m stations. Some geological mapping was carried out and a total of 723 soil samples (talus fines) were collected from this grid. These samples were analyzed for copper, molybdenum and silver. Due to the relief in the grid area, ranging from 850 m to 1525 m, both vertical and lateral zonation patterns could be inferred. Combined with the mapping results, this geochemical pattern was used to define a large porphyry copper-moly system with associated gold values.

The grid area encompasses the Ridge Zone, East Cirque Zone along with a number of mineralized showings. These showings include the Berg, Bergie, Goat, RV, and Ridge Extension. The location of these showings is illustrated on the Drill Hole Location Map (Map1) which accompanies this report. Table 3 (overpage) summarizes the best values obtained from these showings.

A diamond drill hole (NQ) was completed in September 1980 on the property. This hole tested the Bergie showing within the East Cirque Zone. Rhyolite pyroclastic breccia, tuff breccia, and angular lapilli tuff cut by two dacite porphyry dykes were intersected in this hole. Three mineralized sections were encountered. The first consisted of 90cm of sheared rhyolite breccia with 20-30% pyrite and arsenopyrite, 1-2% sphalerite, and 0.5% chalcopyrite. The second section was a narrow interval within rhyolite breccia with 10% pyrite and 1-2% arsenopyrite with minor sphalerite. The third mineralized intersection was over 5.30 m with 5% total suphides

occurring as quartz veins, disseminations, along fractures, and as sphalerite veins. Assays from core samples were low with the best results obtained being 0.12% copper, 0.51% zinc, 0.08% lead, and 0.98 ounces of silver per ton.

Table 3 - Assays from Showings

Showing/ Zone	gold (g/t)	silver (g/t)	copper (%)	lead (%)	zinc(%)
E. Cirque	34.99	128.6	------	------	9.33
LJ	8.29	419.3	0.47	------	1.54
Berg	8.44	359.5	------	1.01	1.23
Bergie	28.81	419.8	1.65	1.18	2.07
Goat	18.59	105.0	------	1.75	1.31
Ridge	12.76	185.6	1.71	2.70	5.65
Ridge Ext.	20.79	366.7	------	9.85	1.40
RV	34.99	128.6	------	9.33	3.89
N. Face	4.73	127.6	------	4.98	14.72
Goat	18.59	105.0	------	1.75	1.31

In 1981, a series of seven NQ diamond drill holes were drilled from four drill sites. A total of 1,203 m were completed designed to test the "Ridge Zone" and a large molybdenum soil geochemical anomaly known as the "Slope Zone". The Ridge Zone was defined by re-analysis of soil samples collected in 1980 for gold. The best hole in this series was RC-81-1 that tested a copper-molybdenum-silver anomaly. This hole intersected 9.2 m grading 1.59% copper and 1.74 ounces per ton silver. The best intersection on the Slope Zone was 125 m grading 151 ppm molybdenum.

During late summer of 1982, a single diamond drill hole was completed in order to test highly anomalous (3,500 ppb) gold-in-soil geochemical value. This hole was completed in a massive unfractured rhyolite for 31.2m. Hosted by this rhyolite was a 2.15 m section of massive sulphide material assaying 1.84% copper and 2.80 ounces of silver per ton. This mineralized interval included a 60 cm section grading 3.17% copper, 4.94 ounces per ton silver, and 0.14% zinc with the best gold assay of 0.008 ounces per ton. The source of the original high gold geochemical anomaly remains unexpanded. Table 4 summarizes data for all previous drilling.

Table 4 - Previous Diamond Drilling

Drill Hole	Grid Location	Elevation (m)	Dip	Azimuth	Depth (m)
RC80-1	East Cirque	1,600	45°	315°	172.3
RC81-1	109+00W 108+00N	1,715	55°	123°	184.7
RC81-2	109+00W 108+00N	1,715	60°	300°	152.4
RC81-3	108+60W 100+40N	1,375	60°	020°	260.0
RC81-4	108+60W 100+40N	1,375	60°	197°	154.0
RC81-5	106+60W 101+60N	1,475	60°	030°	152.4
RC81-6	111+00W 101+00N	1,240	54°	008°	167.6
RC81-7	111+00W 101+00N	1,240	55°	188°	132.3
RC82-1	104+00W 107+26N	1,730	65°	176°	31.2

No further work was completed on the Red Cap Property until 1988, when an airborne geophysical program. A total of 92 line kilometres of airborne magnetic and VLF-EM survey was flown. A number of magnetic anomalies and conductors were detected by this survey. In the East Cirque area, airborne conductors were found to be coincident with precious metal bearing vein systems. In 1998, Amerok Geoscience Ltd. completed a ground magnetic and VLF-EM survey on the property on the existing grid. The magnetic identified two granodiorite plugs in the southern part of the grid and the VLF-EM survey identified three conductors.

EXPLORATION MODEL

There are a number of potential deposit types found on the property. These include an upper level porphyry system with stockworks, sheeted veins, and volcanogenic massive sulphides; and a possible epithermal system. The common denominator for all of the types of mineralization is a relationship to hydrothermal activity. It is possible that the observed mineralization reflects an ongoing series of thermal pulses in this area.

The presence of massive sulphide mineralization comes from Rayner (1983), who describes a 2.15 m section of comformable massive sulphide material in drill hole RC82-1. Up to 90% suphides were encountered consisting mainly of pyrrhotite with pyrite and minor chalcopyrite and traces of sphalerite hosted by rhyolite. This section assayed 1.84% copper and 96.04 oz/t silver. Whether this is a true massive sulphide horizon or an extremely sulphide-rich vein as Wilkins and MacKinnon (1989) imply is an open question that can only be answered by future drilling.

The main mineralizing event was the emplacement of an upper level, zoned, copper-molybdenum porphyry system related to the granodiorite stocks on the property. This intrusive event resulted in the development of hornfels in the volcanic country rock and an extremely intense pyritic halo along the contact and in major structures within these intrusive rocks. Stockworks and sheeted quartz veins containing chalcopyrite and molybdenite are the principal ore minerals with accessory sphalerite and minor galena. Gold and silver mineralization occurs throughout the system, but higher grades are concentrated in structures away from the copper-molybdenum core. Gangue minerals include pyrite, pyrrhotite, arsenopyrite, carbonate, minor tourmaline, and rare graphite.

A potassic alteration zone characterizes the core of the porphyry system as evidenced by the presence of biotite and k-feldspar, while the pyrite and chlorite at the margins of the intrusive indicate a propylitic alteration halo. The area of the porphyry system extends beyond the current claims toward the north, east, and south.

The presence of a silica cap on the property would indicate that a late-staged epithermal gold system may have overprinted porphyry mineralization once the intrusive had been unroofed by erosion. Such a silica cap is generally barren but would overlie feeder veins, which may contain economically significant precious metals. The alternative interpretation of the silica cap area is that in fact this area is a leached cap developed on the porphyry system. If this interpretation is correct, then the epithermal potential would be eliminated.

DIAMOND DRILLING

Drilling Program

Xplorer contracted Falcon Drilling Ltd. to complete a diamond drilling program on the property in 1998. A total of 1752 m (5,748 feet) of slim-wall B core was completed during this program. Twelve drill holes were completed designed to test the LJ, RV, Bergie, and Berg showings in the East Cirque Zone. Core was logged, and mineralized intervals were split and sampled by onsite geologists. These samples were then sent to either Chemex Labs Ltd. or Eco-Tech Laboratories Ltd. for sample preparation and analysis. Sample preparation procedures, analytical techniques, and assay results are presented in Appendix I of this report. Table 5 provides a summary of the drill hole locations and other details concerning the holes completed, and Figure 4 illustrates these locations on a plan map of the area.

Table 5 - Drill Hole Locations

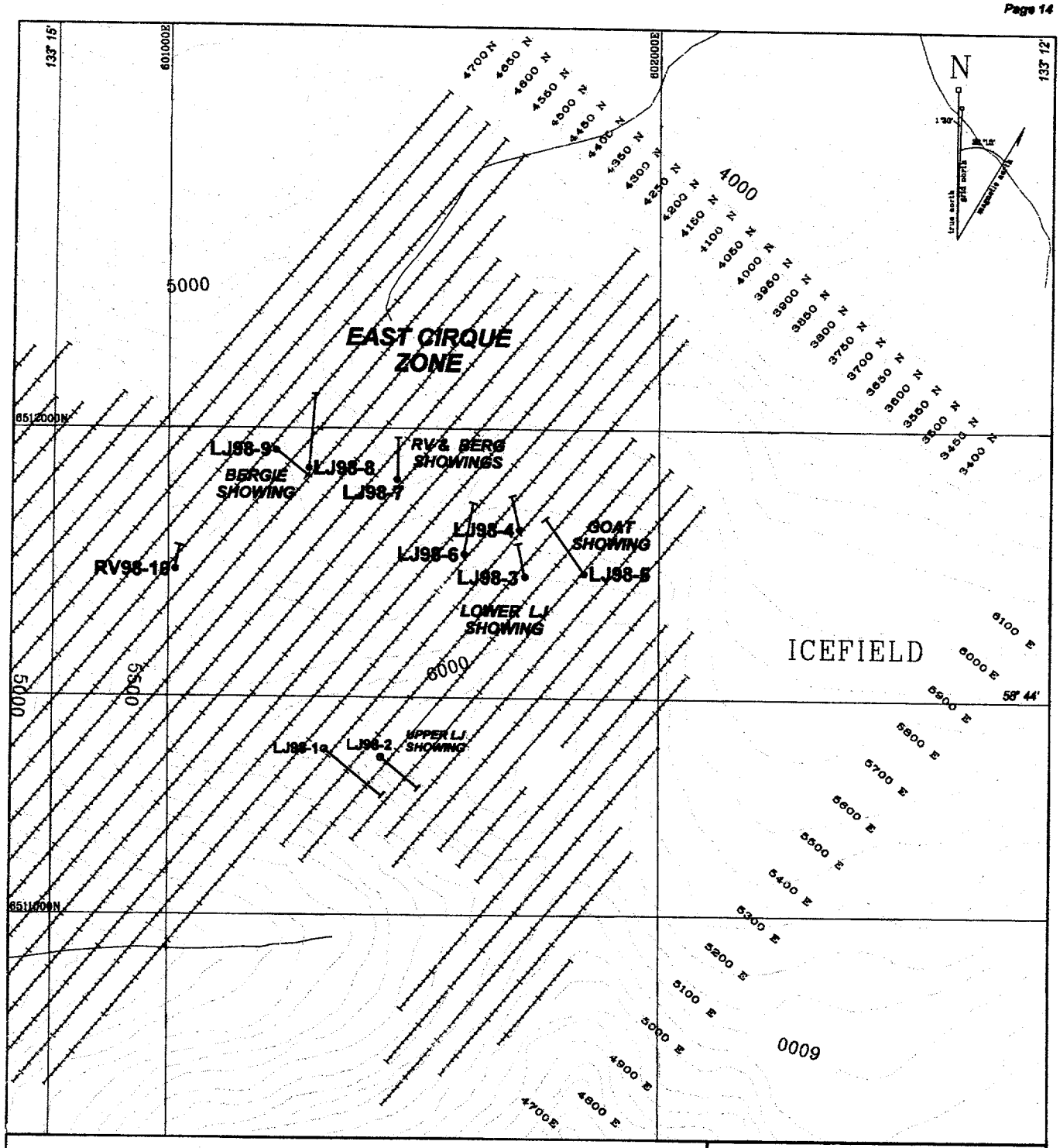
Drill Hole	Grid Location	Elevation (m)	Dip	Azimuth	Depth (m)
LJ-98-1	40+10N 50+07E	1,768	45°	130°	203.61
LJ-98-2	39+17N 50+70E	1,784	45°	130°	147.30
LJ-98-3	39+17N 50+70E	1,671	45°	345°	99.97
LJ-98-4	40+05N 56+05E	1,665	45°	345°	96.93
LJ-98-5A	38+45N 56+20E	1,674	45°	325°	187.45
LJ-98-5B	38+45N 56+20E	1,674	60°	325°	124.05
LJ-98-5C	38+45N 56+20E	1,674	90°	—	100.89
LJ-98-6	40+55N 54+96E	1.709	45°	010°	150.90
LJ-98-7	42+61N 55+10E	1,518	45°	000°	119.78
LJ-98-8	44+13N 54+25E	1,452	45°	005°	213.97
LJ-98-9	44+90N 54+10E	1,542	45°	130°	113.69
RV-98-10	44+56N 50+95E	1,698	60°	010°	61.57

Drill logs combined with assay and geochemical data are presented in Appendix II of this report. Most of the core is stored at the campsite near the mouth of Kwashona Creek, a tributary of the Taku River. A hundred feet of core from Hole 10 is currently stored in the town of Atlin.

Drilling Results

The 1998 drilling program focused on the evaluation of the RJ and RV showings within the East Cirque Zone. In general the results of this drilling program were disappointing from a economic prospective with the possible exception of Hole RV-98-10. Significant results, defined as better than 1.0 g/t gold are shown in Table 6 (overpage).

It should be noted that all of these holes with the exception of Hole RV-98-10 were drilled under the supervision of a Taiga Consultants Ltd. geologist; RV-98-10 by Mr. Matthew Fay. This final drill hole tested the RV showing. None of the holes have been surveyed. The orientation and the true width of the mineralized intersections could not be determined based on the limited drilling completed thus far. A series of seven sections illustrating the significant assay results and rock units are included as Figures 5 to 11 in this report.



Contour Interval = 100 ft

0 500m

SCALE 1 : 12,000

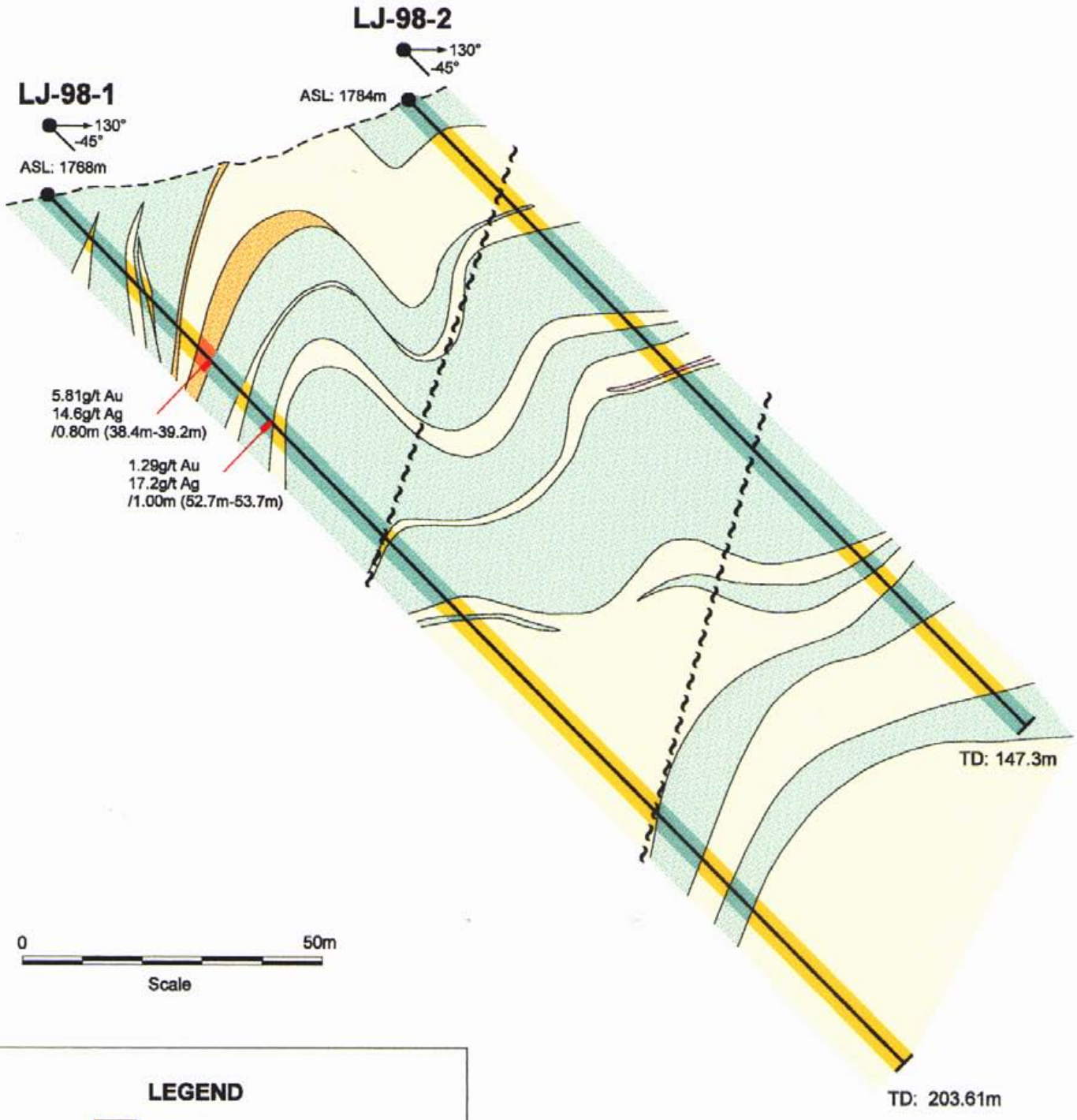
XPLORER GOLD CORP.

RED CAP PROJECT
TULSEQUAH, BRITISH COLUMBIA

1988 DRILL HOLE LOCATION MAP

Figure 4

GEOLOGY BY: XPLORER GOLD CORP.	SCALE: 1:12,000
DATE: JULY 1998	FILE NO: 98111P @ ENERSOURCE



LEGEND

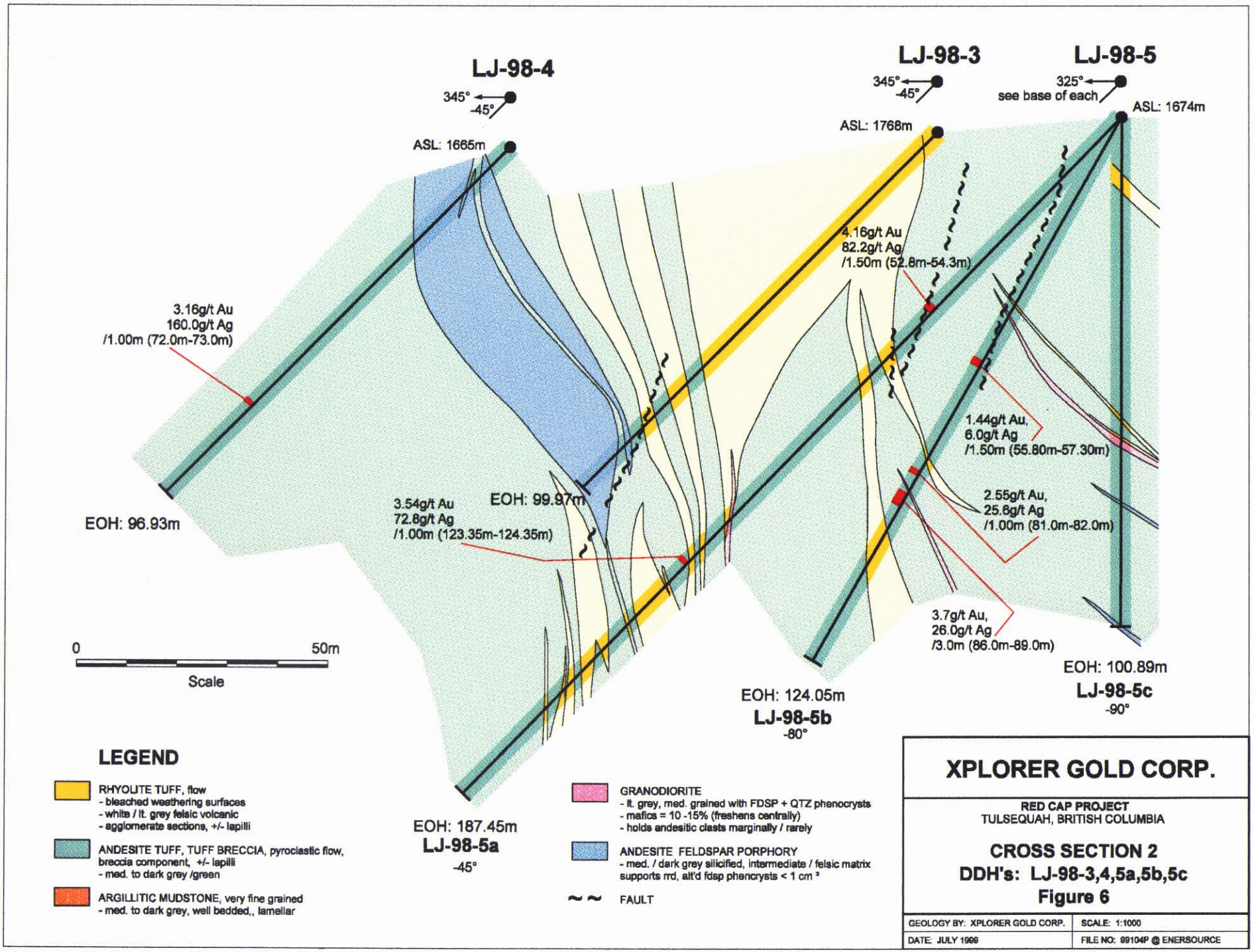
- RHYOLITE TUFF, flow
  - bleached weathering surfaces
  - lt. grey / white felsic volcanic
- ANDESITE TUFF, possible flow textures
  - med. grey, variably silicified
  - banded with argillitic mudstone horizons
- ARGILLITIC MUDSTONE, very fine grained
  - med. to dark grey, well bedded, lamellar
- GRANODIORITE, fine grained
  - Qtz, Feld, Biot, Hb
- ~ ~ FAULT

XPLORER GOLD CORP.

RED CAP PROJECT
TULSEQUAH, BRITISH COLUMBIA

CROSS SECTION 1
DDH's: LJ-98-1 & 2
Figure 5

GEOLOGY BY: XPLORER GOLD CORP.	SCALE: 1:1000
DATE: JULY 1999	FILE NO: 99103P @ ENERSOURCE

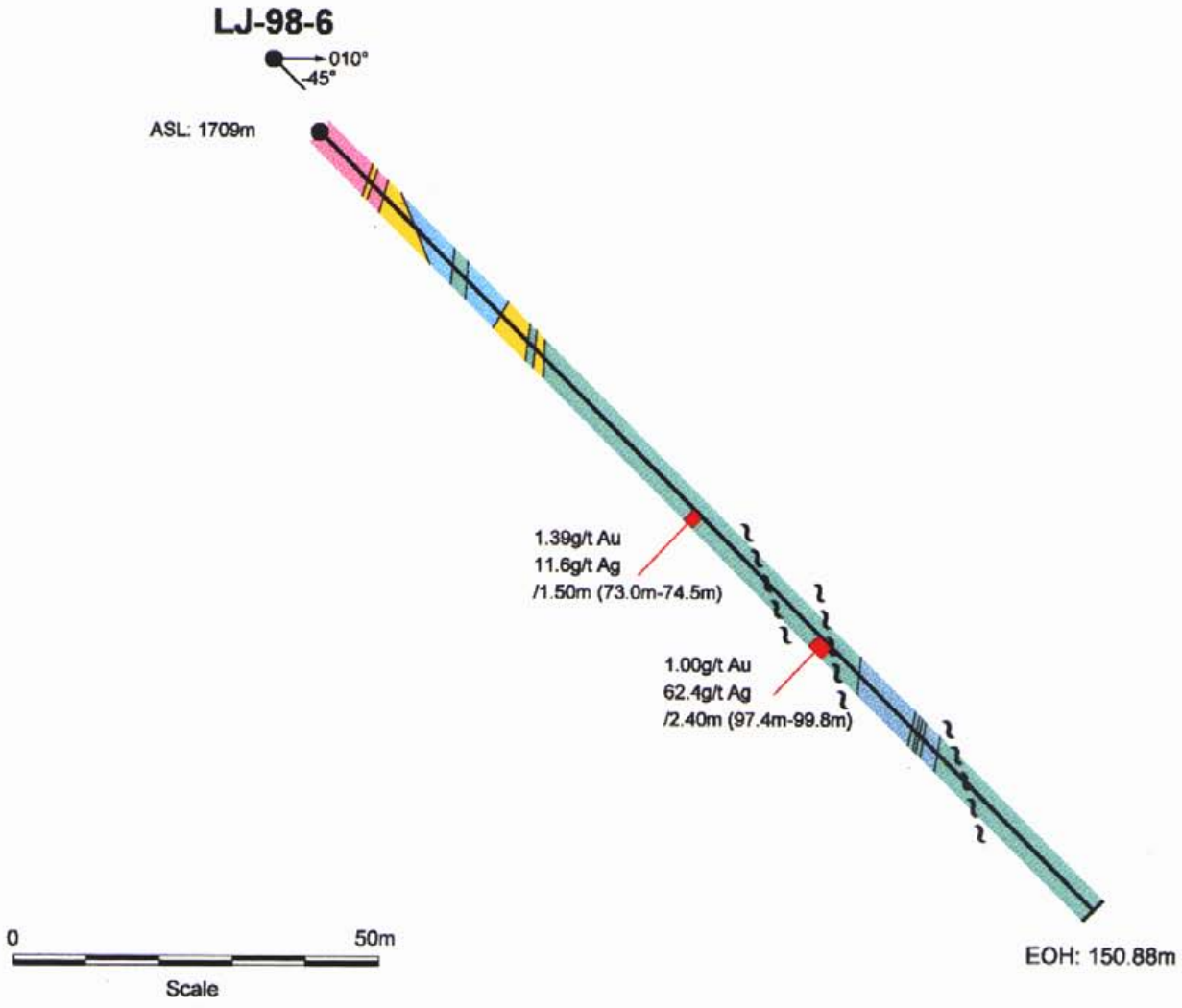


XPLORER GOLD CORP.

RED CAP PROJECT
TULSEQUAH, BRITISH COLUMBIA

CROSS SECTION 2
DDH's: LJ-98-3,4,5a,5b,5c
Figure 6

GEOLOGY BY: XPLORER GOLD CORP.	SCALE: 1:1000
DATE: JULY 1998	FILE NO: 99104P @ ENERSOURCE



LEGEND

- RHYOLITE TUFF BRECCIA,; pyroclastic,
  - kaolinitized sections within silicious lt. grey / white matrix
  - supports QFP / FP clasts >/= 1 cm ³ commonly QTZ- Veined
  - Possible collapse Breccia
- ANDESITE TUFF BREDDIA; pyroclastic
  - variably silicified & chloritized med. green / grey matrix
  - supports 1-7cm³ angular to subrounded Andesite & QFP clasts
  - variable epidote alteration
- QUARTZ FELDSPAR PORPHYRY
  - rounded, lt. grey / white, 1-5mm³ FDSP & QTZ 'eyes' in med green/ grey aphanitic-silicious matrix
- ANDESITE FELDSPAR PORPHORY
  - med. / dark grey silicified, intermediate / felsic matrix supports rnd, alt'd fdsp phencrysts < 1 cm ³
- GRANODIORITE
  - lt. grey, med. grained with FDSP + QTZ phenocrysts
  - mafics = 10 -15% (freshens centrally)
  - holds andesitic clasts marginally / rarely

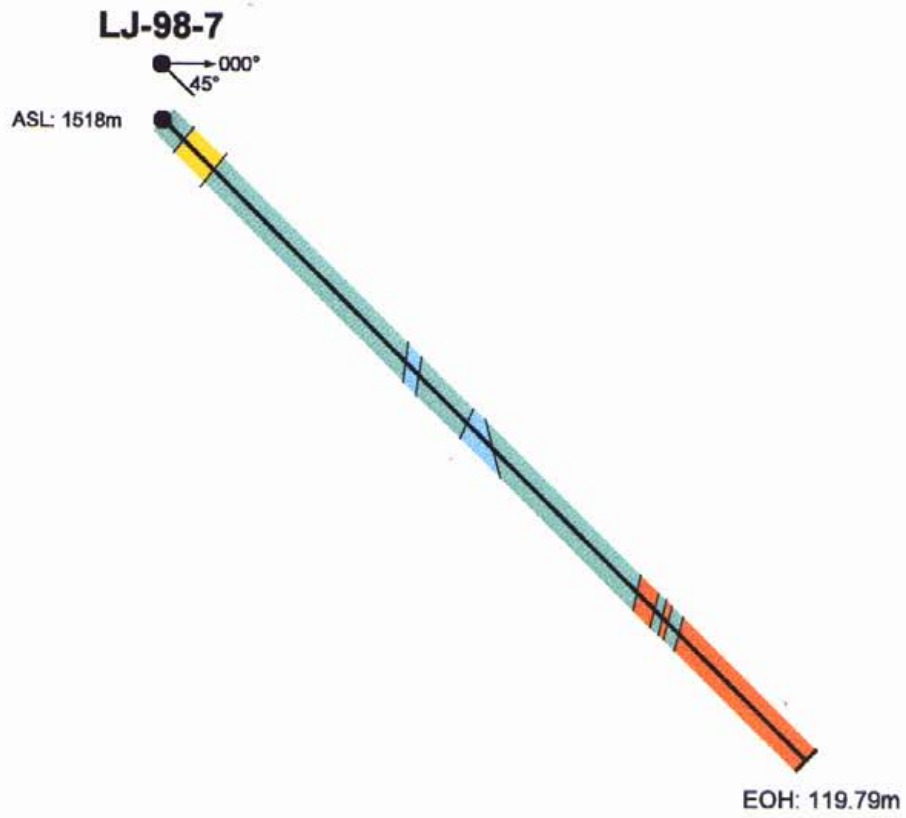
~~ FAULT

XPLORER GOLD CORP.

RED CAP PROJECT
TULSEQUAH, BRITISH COLUMBIA

CROSS SECTION 3
DDH: LJ-98-6
Figure 7

GEOLOGY BY: XPLORER GOLD CORP.	SCALE: 1:1000
DATE: JULY 1999	FILE NO: 99106P @ ENERSOURCE



0 50m

Scale

LEGEND

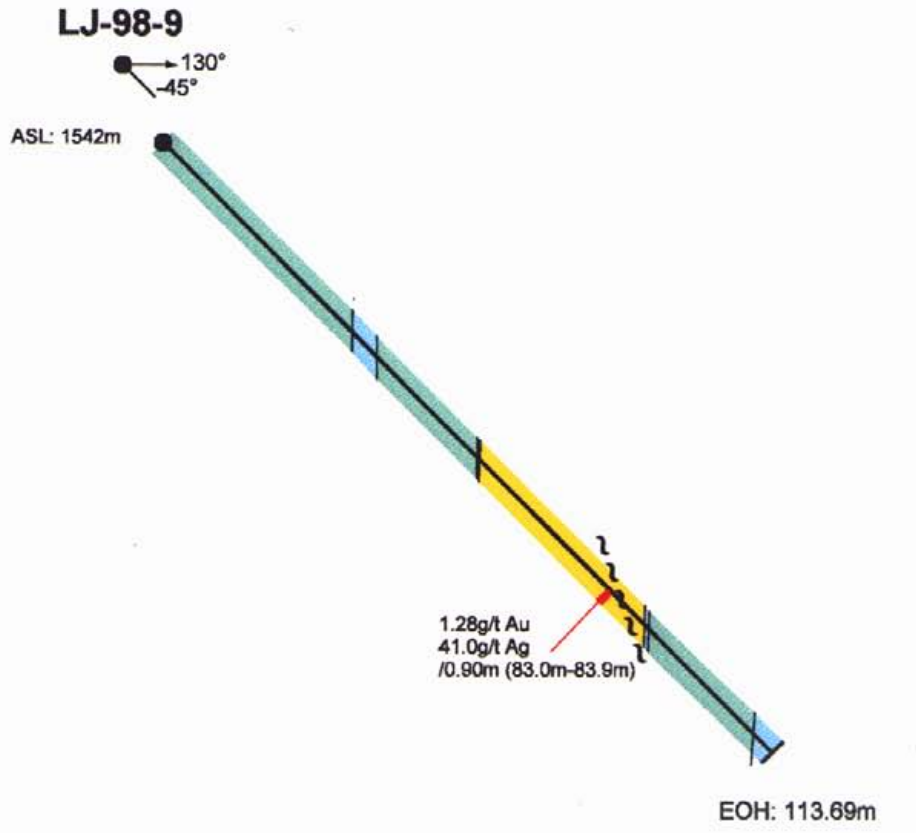
- RHYOLITE TUFF BRECCIA,; pyroclastic,
  - kaolinitized sections within silicious lt. grey / white matrix
  - supports QFP / FP clasts >/= 1 cm ª commonly QTZ- Veined
  - Possible collapse Breccia
- ANDESITE TUFF BREDDIA; pyroclastic
  - variably silicified & chloritized med. green / grey matrix
  - supports 1-7cm² angular to subrounded Andesite & QFP clasts
  - variable epidote alteration
- QUARTZ FELDSPAR PORPHYRY
  - rounded, lt. grey / white, 1-5mm² FDSP & QTZ 'eyes' in med green/ grey aphanitic-silicious matrix
- ARGILLITIC MUDSTONE, very fine grained
  - med. to dark grey, well bedded, lamellar
- ~ ~ FAULT

XPLORER GOLD CORP.

RED CAP PROJECT
TULSEQUAH, BRITISH COLUMBIA

CROSS SECTION 4
DDH: LJ-98-7
Figure 8

GEOLOGY BY: XPLORER GOLD CORP.	SCALE: 1:1000
DATE: JULY 1999	FILE NO: 99110P @ ENERSOURCE



LEGEND

- RHYOLITE TUFF BRECCIA; pyroclastic,
  - kaolinitized sections within silicious lt. grey / white matrix
  - supports QFP / FP clasts >/= 1 cm ³ commonly QTZ- Veined
  - Possible collapse Breccia
- ANDESITE TUFF BREDDIA; pyroclastic
  - variably silicified & chloritized med. green / grey matrix
  - supports 1-7cm³ angular to subrounded Andesite & QFP clasts
  - variable epidote alteration
- QUARTZ FELDSPAR PORPHYRY
  - rounded, lt. grey / white, 1-5mm³ FDSP & QTZ 'eyes' in med green/ grey aphanitic-silicious matrix
- MASSIVE SULPHIDE
- ~ ~ FAULT

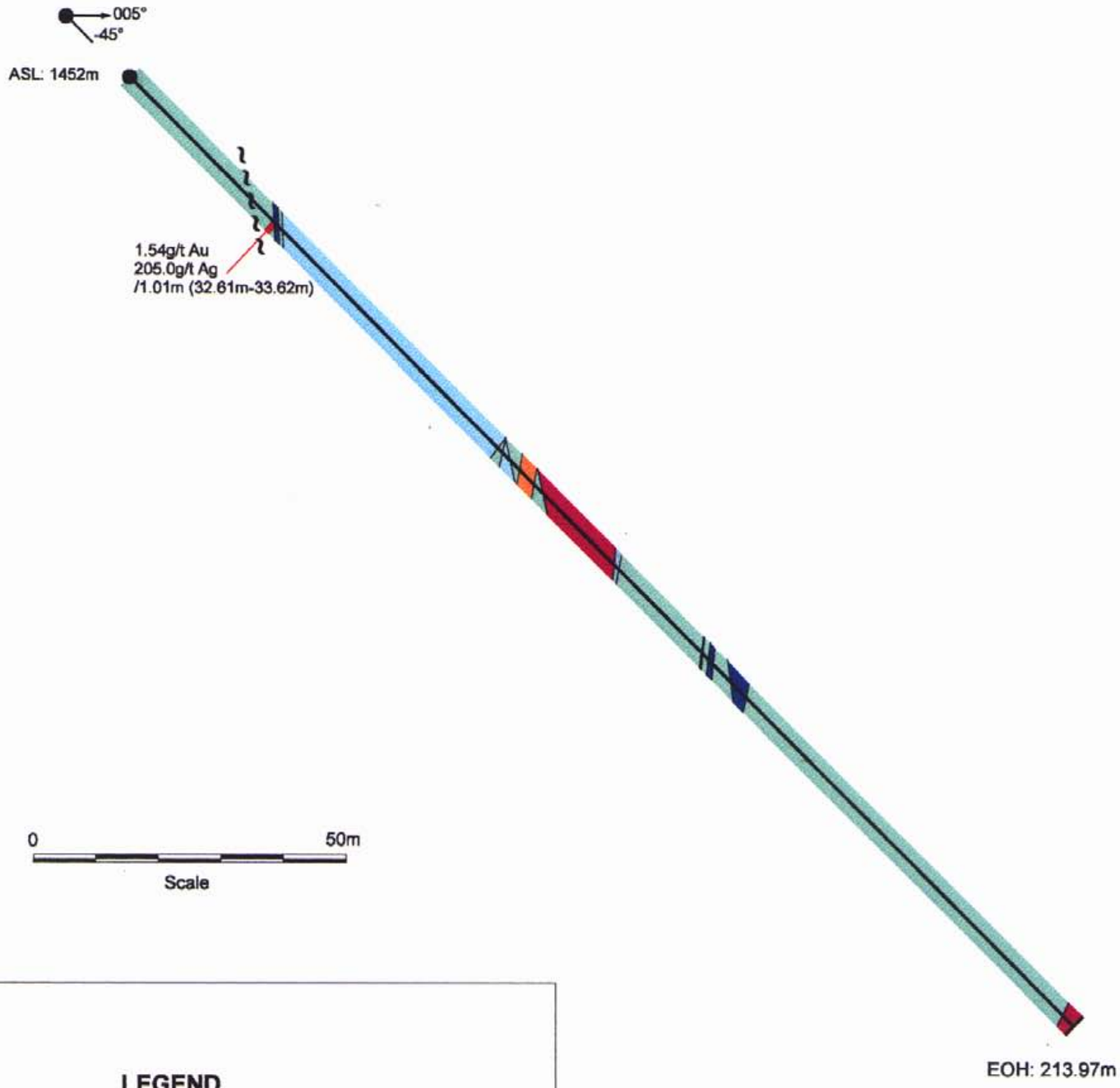
XPLORER GOLD CORP.

RED CAP PROJECT
TULSEQUAH, BRITISH COLUMBIA

CROSS SECTION 6
DDH: LJ-98-9
Figure 7

GEOLOGY BY: XPLORER GOLD CORP.	SCALE: 1:1000
DATE: JULY 1999	FILE NO: 99107P @ ENERSOURCE

LJ-98-8



LEGEND

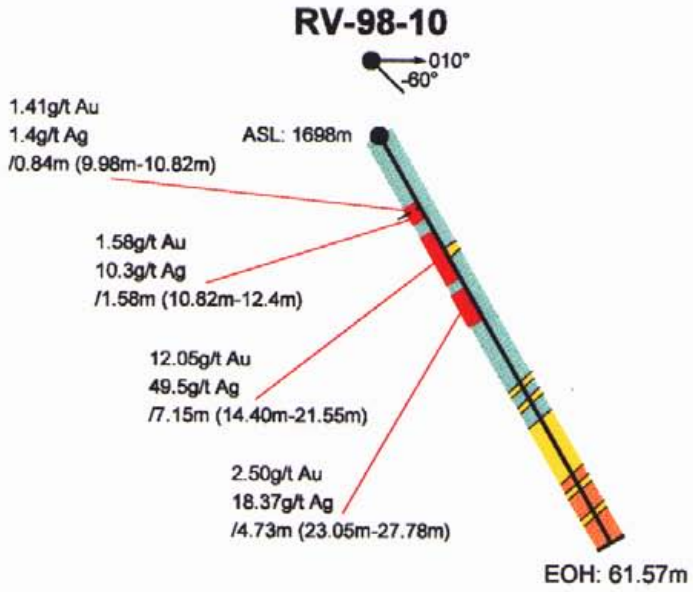
- RHYOLITE TUFF BRECCIA; pyroclastic,
  - kaolinitized sections within silicious lt. grey / white matrix
  - supports QFP / FP clasts >/= 1 cm ² commonly QTZ- Veined
  - Possible collapse Breccia
- ANDESITE TUFF BREDDIA; pyroclastic
  - variably silicified & chloritized med. green / grey matrix
  - supports 1-7cm² angular to subrounded Andesite & QFP clasts
  - variable epidote alteration
- QUARTZ FELDSPAR PORPHYRY
  - rounded, lt. grey / white, 1-5mm² FDSP & QTZ 'eyes' in med green/ grey aphanitic-silicious matrix
- MASSIVE SULPHIDE
- DIORITE INTRUSIVE
- ~ ~ FAULT

XPLORER GOLD CORP.

RED CAP PROJECT
TULSEQUAH, BRITISH COLUMBIA

CROSS SECTION 5
DDH: LJ-98-8
Figure 9

GEOLOGY BY: XPLORER GOLD CORP.	SCALE: 1:1000
DATE: JULY 1998	FILE NO: 98105P @ ENERSOURCE



LEGEND

- RHYOLITE TUFF BRECCIA,; pyroclastic,
  - kaolinitized sections within silicious lt. grey / white matrix
  - supports QFP / FP clasts >/= 1 cm ² commonly QTZ- Veined
  - Possible collapse Breccia
- ANDESITE TUFF BREDDIA; pyroclastic
  - variably silicified & chloritized med. green / grey matrix
  - supports 1-7cm³ angular to subrounded Andesite & QFP clasts
  - variable epidote alteration
- ARGILLITIC MUDSTONE, very fine grained
  - med. to dark grey, well bedded, lamellar

~ ~ FAULT

XPLORER GOLD CORP.

RED CAP PROJECT
TULSEQUAH, BRITISH COLUMBIA

CROSS SECTION 7
DDH: RV-98-10
Figure 11

GEOLOGY BY: XPLORER GOLD CORP.	SCALE: 1:1000
DATE: JULY 1999	FILE NO: 99108P @ ENERSOURCE

Table 6 -Drilling Results

Hole #	Interval (m)	Width (m)	Gold (g/t)	Silver (g/t)	Copper (ppm)	Lead (ppm)	Zinc (ppm)
LJ-98-1	38.40 – 39.20	0.80	5.81	14.6	92	2080	3732
	52.70 – 53.70	1.00	1.29	17.2	87	5476	6253
LJ-98-4	72.00 – 73.00	1.00	3.16	160.0	1716	2%	7193
LJ-98-5A	52.80 – 54.30	1.50	4.16	82.2	1082	9922	441
	123.35 –124.35	1.00	3.54	72.8	581	1.92%	4.25%
LJ-98-5B	55.80 – 57.30	1.50	1.44	6.0	195	1192	964
	81.00 – 82.00	1.00	2.55	25.6	3637	1106	5.96%
	86.00 – 87.50	1.50	6.38	25.0	1374	802	776
	87.50 – 89.00	1.50	1.02	27.0	1057	2416	4361
LJ-98-6	73.00 – 74.50	1.50	1.39	11.6	160	212	1057
	97.40 – 99.80	2.40	1.00	62.4	1376	1112	4380
LJ-98-8	32.61 – 33.62	1.01	1.54	205.0	1612	4254	3.06%
LJ-98-9	83.00 – 83.90	0.90	1.28	41.0	799	4064	5633
RV-98-10	9.98 – 10.82	0.84	1.41	1.4	0.01%	---	0.12%
	10.82 – 12.40	1.58	4.50	10.3	0.03%	0.01%	0.31%
	14.40 – 16.10	1.70	4.26	18.9	0.04%	0.01%	2.77%
	16.10 – 17.60	1.50	33.21	122.5	0.10%	0.14%	7.37%
	17.60 – 18.03	0.43	1.11	28.4	0.02%	0.05%	5.12%
	18.03 – 18.48	0.45	2.31	11.9	0.02%	0.02%	1.28%
	18.48 – 20.05	1.57	10.32	39.5	0.03%	0.06%	2.24%
	20.05 – 21.55	1.50	7.59	38.9	0.03%	0.09%	2.10%
	23.05 – 24.55	1.50	1.38	4.6	0.01%	0.01%	0.14%
	24.55 – 25.68	1.13	3.30	16.9	---	0.09%	0.36%
	26.28 – 27.78	1.50	4.02	40.6	0.01%	0.17%	0.53%

The three most significant intersections encountered during the 1998-drilling program were one interval encountered in hole LJ-98-5B, and two intervals in RV-98-10. The mineralized intersection in LJ-98-5B was a 3.0 m interval grading 3.7 g/t gold and 26.0 g/t silver at 86.00 to 89.00 m. The host rock for this interval was a chloritized andesite tuff with pyrite and pyrrhotite veinlets from 1% to 15% with minor chalcopyrite. Hole LJ-98-5A above had only geochemically anomalous values corresponding to this interval, while Hole LJ-98-5C would not have intersected this mineralized interval as shown in Figure 6. The mineralization in RV-98-10 occurred at 14.40 to 21.55 m and 23.05 to 27.78 m respectively. The first 7.15 m interval graded 12.05 g/t gold and 49.5 g/t silver hosted by a variably altered flow breccia with 2% to 6% sulphides consisting of pyrrhotite, pyrite, with minor galena, sphalerite and chalcopyrite. Gangue minerals include quartz, carbonate, epidote, and chlorite. The second interval in hole RV-98-10 consists of a 4.73 m mineralized section grading 2.50 g/t gold and 18.37 g/t silver. This section is hosted by an andesite flow breccia and lapilli tuff containing up to 6% sulphides. These sulphides include pyrrhotite, pyrite with minor chalcopyrite, galena, sphalerite, and arsenopyrite, within a gangue of chlorite, epidote, and calcite.

While encouraging, additional drilling will be necessary to fully evaluate the potential of the mineralization found to date.

CONCLUSION AND RECOMMENDATIONS

A twelve-hole diamond drilling program was completed on the Red Cap property in north-western British Columbia in 1998. This program was designed to test a number of showings previously discovered in the East Cirque Zone of on the property. Potentially economic gold and silver mineralization were encountered in holes LJ-98-5B and RV-98-10. In hole LJ-98-5B, 3 m grading 3.7 g/t gold and 26.0 g/t silver were intersected. In RV-98-10, there were two intersections of note. These were 7.15 m grading 12.05 g/t gold and 49.50 g/t silver and a second adjacent 4.73 m interval grading 2.50 g/t gold and 18.37 g/t silver. The remainder of the drill holes encountered low values over narrow widths.

On the basis of results obtained to date from this drilling, some additional drilling is justified to further evaluate the extent and grade of mineralization encountered in these two holes. In addition, some drilling is required to follow up on the possible volcanic massive sulphides intersected in the previous drilling at RC82-1.

A formal survey of the existing drill holes should be completed and survey control points established on the property to tie in existing and future work to a global coordinate system. This would facillitate more accurate plotting of the data.

As a part of planning for future exploration work on the property a comprehensive compilation of all available data pertaining to the property should be completed.

CERTIFICATE – J.W.Davis

I, James Wilson Davis, of 98 Hidden Circle NW in the City of Calgary in the Province of Alberta, do hereby certify that:

1. I am a Consulting Geologist with the firm of Taiga Consultants Ltd. with offices at Suite 301, 1000 - 8th Avenue SW, Calgary, Alberta.

2. I am a graduate of St.Louis University, B.Sc. Geology (1967) and M.Sc. Geology (1969), and I have practised my profession continuously since graduation.

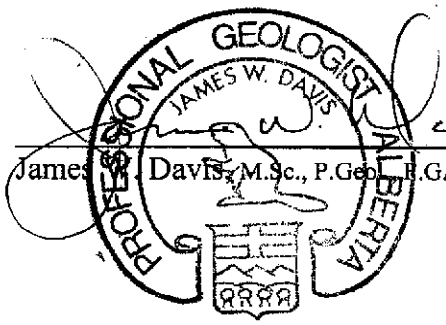
3. I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of Alberta; and I am a Fellow of the Geological Association of Canada; and I am a member in good standing of the Association of Professional Engineers and Geoscientists of B.C.

4. I am co-author of the report entitled "Diamond Drilling Report for Drilling completed on the Red Cap Property, Kap 3 and Kap 4 Mineral Claims, Atlin Mining Division, British Columbia", dated July 1999.

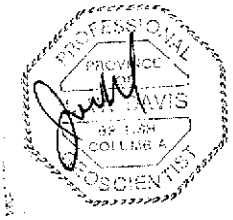
5. I do not own or expect to receive any interest (direct, indirect, or contingent) in the property described herein nor in the securities of **Xplorer Gold Corp.** in respect of services rendered in the preparation of this report.

DATED at Calgary, Alberta, this 30th day of July, A.D. 1999.

Respectfully submitted,



James W. Davis, M.Sc., P.Geo., F.GAC, P.Geo.



CERTIFICATE – M.D.Jamieson

I, Michael Douglas Jamieson, of 16 Riverwood Crescent S.E. in the City of Calgary in the Province of Alberta, do hereby certify that:

1. I am a Consulting Geologist with the firm of Taiga Consultants Ltd. with offices at Suite 301, 1000 - 8th Avenue S.W., Calgary, Alberta.

2. I am a graduate of Queen's University, B.Sc. Geology (1985), and I have practised my profession continuously since graduation.

3. I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

4. I am co-author of the report entitled "Diamond Drilling Report for Drilling completed on the Red Cap Property, Kap 3 and Kap 4 Mineral Claims, Atlin Mining Division, British Columbia", dated July 1999.

5. I do not own or expect to receive any interest (direct, indirect, or contingent) in the property described herein nor in the securities of **Xplorer Gold Corp.** in respect of services rendered in the preparation of this report.

DATED at Calgary, Alberta, this 30th day of July, A.D. 1999.

Respectfully submitted,

PROFESSIONAL GEOLOGIST ALBERTA
MICHAEL D. JAMIESON

M. D. Jamieson, B.Sc., P.Geol.

PERMIT TO PRACTICE
TAIGA CONSULTANTS LTD.
Signature
Date August 6, 1999
PERMIT NUMBER: P 2399
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

SELECTED REFERENCES

Archer, A. R., (1972): Report on Diamond Drilling Program Mike 1-32 Claims – Mt. Lester Jones Area, Assessment report #3670

British Columbia, Minister of Mines Annual Report for 1930 and 1931

Clouthier, G. A., Elliott, T. M., (1981): A Diamond Drilling Report on the Redcap Property, Mineral Branch Assessment Report # 9246

Murton, J. C., Woods, D. V., (1988): Geophysical Report on an Airborne Magnetic and VLF-EM Survey, CAP2,3,4 and Goat 1 Claims, private company report by Western Geophysical Aero Data Ltd. for Omni Resources Ltd.

Power, M. A., (1998): Ground Total Magnetic Field and VLF-EM Surveys at the Red Cap Property, Tulsequah Area, Atlin Mining Division, by Amerok Geoscience Ltd., private company report, for Xplorer Gold Corp.

Rayner, G. H., (1983): Diamond Drilling Report on the CAP 4 Claim, private company report, for Berglynn Resources Inc. and Omni Resources Inc.

Souther, J.G. (1971): Geology and Mineral Deposits of the Tulsequah Map Area, British Columbia: Geological Survey Canada., Memoir 362

Wilkins, A. L., MacKinnon, H. F., (1989): Geological and Geochemical Report on the Red Cap Prospect, private company report for Omni Resources Inc.

SUMMARY OF EXPENDITURES

Diamond Drill Program

Falcon Drilling Ltd. 1,752 m (5,748 ft) of BTW core drilling completed from July 17/98 to Sept.19/98		180,877.00
Northern Mountain Helicopters	48.0 hours @ $670/hour	23,040.00
Interior Helicopters Ltd.	45.4 hours @ $675/hour	30,645.00
Discovery Helicopters Ltd.	65.0 hrs @ $675/hour	43,875.00
Personnel		27,300.00
Camp room and board	200 man days @ $40/man day	8,00000.00
Chemex Labs Ltd.	17 samples @ $49.35/ sample assayed for Au, Ag, Cu,Co, Pb, Zn	838.95
Eco-Tech Laboratories	780 samples @ $23.79/sample 28 element ICP plus Au	18554.08
Report writing and drafting		7,500.00
	Total	$339,102.00

SUMMARY OF PERSONNEL

July 15-30 and August 18-30, 1998

Bob Nichol	Consulting Geologist	21 days @ $425	8,925.00
Erik Bergvinson	Project Manager	29 days @ $300	8,700.00
Matthew Fay	Junior Geologist	9 days @ $175	1,575.00
Jason Williams	Geological Assistant	22 days @ $150	3,300.00
Deirdre Poulin	Cook	24 days @ $200	4,800.00
		Total	$27,300.00

APPENDIX I

ANALYTICAL RESULTS AND PROCEDURES

Chemex Labs

Fire Assay Procedure - Assay Gold

Sample Decomposition: Fire Assay Fusion
Analytical Method: Atomic Absorption Spectroscopy (AAS)

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested for ½ hour in dilute nitric acid. Hydrochloric acid is then added and the solution is digested for an additional hour. The digested solution is cooled, diluted to 7.5 ml with demineralized water, homogenized and then analyzed by atomic absorption spectrometry.

Fire assay with gravimetric finish is used for samples having gold values greater than 15 g/t (0.4 oz/ton).

International Units:

Routine Code	Rush Code	Element	Sample Weight (grams)	Symbol	Detection Limit	Upper Limit
399	957	Gold	15	Au	0.07 g/t	150 g/t
999	953	Gold	30	Au	0.03 g/t	150 g/t
3599		Gold	50	Au	0.03 g/t	150 g/t
496		Gold	all	Au	0.03 g/t	150 g/t

American/English Units:

Routine Code	Rush Code	Element	Sample Weight (grams)	Symbol	Detection Limit	Upper Limit
398	981	Gold	15	Au	0.002 oz/ton	5 oz/ton
998	916	Gold	30	Au	0.001 oz/ton	5 oz/ton
3598		Gold	50	Au	0.001 oz/ton	5 oz/ton

Chemex Labs

Assay Procedure - Cobalt, Copper, Iron, Lead, Manganese, Molybdenum, Nickel, Silver, and, Zinc by HNO_3-$HClO_4$-HF-HCl digestion

Sample Decomposition: HNO_3-$HClO_4$-HF-HCl digestion
Analytical Method: Atomic Absorption Spectroscopy (AAS)

A prepared sample (0.2 to 2.0g) is digested with nitric, perchloric, and hydrofluoric acids, and then evaporated to dryness. Hydrochloric acid is added for further digestion, and the sample is again taken to dryness. The residue is dissolved in nitric and hydrochloric acids and transferred to a volumetric flask (100 or 250 ml). The resulting solution is diluted to volume with demineralized water, mixed and then analyzed by atomic absorption spectrometry against matrix-matched standards.

International Units:

Chemex Code	Element	Symbol	Detection Limit	Upper Limit
323	Cobalt	Co	0.001 %	100 %
3310	Copper	Cu	0.01 %	100 %
3503	Copper	Cu	0.001 %	100 %
327	Iron	Fe	0.01 %	100 %
3312	Lead	Pb	0.01 %	100 %
3505	Lead	Pb	0.001 %	100 %
3328	Manganese	Mn	0.01 %	100 %
3506	Molybdenum	Mo	0.001 %	100 %
321	Nickel	Ni	0.01 %	100 %
3321	Nickel	Ni	0.001 %	100 %
3386	Silver	Ag	0.3 g/t	350 g/t
3316	Zinc	Zn	0.01 %	100 %
3504	Zinc	Zn	0.001 %	100 %

American/English Units:

Chemex Code	Element	Symbol	Detection Limit	Upper Limit
3385	Silver	Ag	0.01 oz/ton	10.0 oz/ton

Chemex Labs

Assay Procedure - Arsenic, Bismuth, Cadmium, Copper, Iron, Lead, Molybdenum, Silver, and Zinc by Nitric- Aqua Regia digestion

Sample Decomposition: Nitric - Aqua Regia Digestion
Analytical Method: Atomic Absorption Spectroscopy (AAS)

A prepared sample (0.2 to 2.0g) is digested with concentrated nitric acid for one half hour. After cooling, hydrochloric acid is added to produce aqua regia and the mixture is then digested for an additional hour and a half. An ionization suppressant is added if molybdenum is to be measured. The resulting solution is diluted to volume (100 or 250 ml) with demineralized water, mixed and then analyzed by atomic absorption spectrometry against matrix-matched standards.

International Units:

Chemex Code	Element	Symbol	Detection Limit	Upper Limit
331	Arsenic	As	0.01 %	100 %
349	Bismuth	Bi	0.001 %	100 %
320	Cadmium	Cd	0.001 %	100 %
301	Copper	Cu	0.01 %	100 %
3501	Copper	Cu	0.001 %	100 %
3508	Copper	Cu	10 ppm	1,000,000 ppm
326	Iron	Fe	0.01 %	100 %
312	Lead	Pb	0.01 %	100 %
306	Molybdenum	Mo	0.001 %	100 %
307	Molybdenum as MoS_2	MoS_2	0.001 %	100 %
386	Silver	Ag	0.3 g/t	350 g/t
956	Silver (Rush charge)	Ag	0.3 g/t	350 g/t
316	Zinc	Zn	0.01 %	100 %
8089	Manganese	Mn	0.01 %	100 %

American/English Units:

Chemex Code	Element	Symbol	Detection Limit	Upper Limit
385	Silver	Ag	0.01 oz/ton	10.0 oz/ton
980	Silver (Rush charge)	Ag	0.01 oz/ton	10.0 oz/ton

Eco-Tech LABORATORIES LTD.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
email: ecotech@mail.wkpowerlink.com

Analytical Procedure Assessment Report

GEOCHEMICAL GOLD ANALYSIS

Samples are catalogued and dried. Soils are prepared by sieving through an 80 mesh screen to obtain a minus 80 mesh fraction. Samples unable to produce adequate minus 80 mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh. Rock samples are 2 stage crushed to minus 10 mesh and a 250 gram subsample is pulverized on a ring mill pulverizer to -140 mesh. The subsample is rolled, homogenized and bagged in a prenumbered bag.

The sample is weighed to 10/15/30 grams and fused along with proper fluxing materials. The bead is digested in aqua regia and analyzed on an atomic absorption instrument. Over-range values for rocks are re-analyzed using gold assay methods.

Appropriate reference materials accompany the samples through the process allowing for quality control assessment. Results are entered and printed along with quality control data (repeats and standards). The data is faxed and/or mailed to the client.

K:Methods/geoauana

Eco-Tech LABORATORIES LTD.

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ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
email: ecotech@mail.wkpowerlink.com

GEOCHEMICAL ANALYSIS Ag, Cu, Pb, Zn

A 0.5 gram sample is weighed into a test tube and digested with 3ml 3:1:2 solution (HCl:HNO3:H20) in a water bath at 95° C for 90 minutes. The digested sample is made up to 10 ml. with water, vortexed to mix and allowed to settle prior to analysis.

The metals are analyzed on an atomic absorption instrument.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
email: ecotech@mail.wkpowertink.com

Analytical Method Assessment for

GOLD ASSAY

Samples are sorted and dried (if necessary). The samples are crushed through a jaw crusher and cone or rolls crusher to -10 mesh. The sample is split through a Jones riffle until a -250 gram subsample is achieved. The subsample is pulverized in a ring & puck pulverizer to 95% - 140 mesh. The sample is rolled to homogenize.

A 1/2 or 1.0 A.T. sample size is fire assayed using appropriate fluxes. The resultant dore bead is parted and then digested with aqua regia and then analyzed on a Perkin Elmer AA instrument.

Appropriate standards and repeat sample (Quality Control components) accompany the samples on the data sheet.

K:methods/methauas

32-Element Geochemistry Package (32-ICP)
Inductively-Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES)

A prepared sample (1.0g) is digested with concentrated nitric and aqua regia acids at medium heat for two hours. The acid solution is diluted to 25ml with demineralized water, mixed and analyzed using a Jarrell Ash 1100 plasma spectrometer after calibration with proper standards. The analytical results are corrected for spectral inter-element interferences.

Chemex Codes	Element	Detection Limit	Upper Limit
229	Digestion		
2119	* Aluminum	0.01 %	15 %
2118	Silver	0.2 ppm	0.02 %
2120	Arsenic	2 ppm	1 %
2121	* Barium	10 ppm	1 %
2122	* Beryllium	0.5 ppm	0.01 %
2123	Bismuth	2 ppm	1 %
2124	* Calcium	0.01 %	15 %
2125	Cadmium	0.5 ppm	0.05 %
2126	Cobalt	1 ppm	1 %
2127	* Chromium	1 ppm	1 %
2128	Copper	1 ppm	1 %
2150	Iron	0.01 %	15 %
2130	* Gallium	10 ppm	1 %
2132	* Potassium	0.01 %	10 %
2151	* Lanthanum	10 ppm	1 %
2134	* Magnesium	0.01 %	15 %
2135	Manganese	5 ppm	1 %
2136	Molybdenum	1 ppm	1 %
2137	* Sodium	0.01 %	10 %
2138	Nickel	1 ppm	1 %
2139	Phosphorus	10 ppm	1 %
2140	Lead	2 ppm	1 %
2141	Antimony	2 ppm	1 %
2142	* Scandium	1 ppm	1 %
2143	* Strontium	1 ppm	1 %
2144	* Titanium	0.01 %	10 %
2145	* Thallium	10 ppm	1 %
2146	Uranium	10 ppm	1 %
2147	Vanadium	1 ppm	1 %
2148	* Tungsten	10 ppm	1 %
2149	Zinc	2 ppm	1 %
2131	Mercury	1 ppm	1 %

* Elements for which the digestion is possibly incomplete.

CERTIFICATE OF ASSAY AK 98-352R

XPLORER GOLD CORPORATION 31-Jul-98
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 93
Sample type: Core
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Xplorer

ET #	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Zn (%)
1	111811	<.03	<.001				
2	111812	<.03	<.001				
3	111813	0.07	0.002				
4	111814	<.03	<.001				
5	111815	<.03	<.001				
6	111816	<.03	<.001				
7	111817	<.03	<.001				
8	111818	0.12	0.003	25.8	0.75		
9	111819	0.35	0.010				
10	111820	<.03	<.001				
11	111821	<.03	<.001				
12	111822	<.03	<.001				
13	111823	0.12	0.003				
14	111824	<.03	<.001				
15	111825	<.03	<.001				
16	111826	<.03	<.001				
17	111827	<.03	<.001				
18	111828	<.03	<.001				
19	111829	<.03	<.001				
20	111830	<.03	<.001				
21	111831	<.03	<.001				
22	111832	<.03	<.001				

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-352										31-Jul-98
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Zn (%)		
23	111833		<.03	<.001						
24	111834		<.03	<.001						
25	111835		<.03	<.001						
26	111836		<.03	<.001						
27	111837		<.03	<.001						
28	111838		<.03	<.001						
29	111839		<.03	<.001						
30	111840		<.03	<.001						
31	111841		<.03	<.001						
32	111842		<.03	<.001						
33	111843		<.03	<.001						
34	111844		<.03	<.001						
35	111845		0.06	0.002						
36	111846		<.03	<.001						
37	111847		<.03	<.001						
38	111848		<.03	<.001						
39	111849		<.03	<.001						
40	111850		<.03	<.001						
41	111851		<.03	<.001						
42	111852		<.03	<.001						
43	111853		<.03	<.001						
44	111854		<.03	<.001						
45	111855		0.04	0.001						
46	111856		<.03	<.001						
47	111857		<.03	<.001						
48	111858		<.03	<.001						
49	111859		<.03	<.001						
50	111860		<.03	<.001						
51	111861		0.41	0.012	30.0	0.88		1.54		
52	111862		0.05	0.001						
53	111863		<.03	<.001						
54	111864		<.03	<.001						
55	111865		<.03	<.001						
56	111866		<.03	<.001						
57	111867		<.03	<.001						
58	111868		<.03	<.001						
59	111869		<.03	<.001						
60	111870		<.03	<.001						
61	111871		<.03	<.001						
62	111872		<.03	<.001						
63	111873		<.03	<.001						
64	111874		<.03	<.001						
65	111875		<.03	<.001						

ECO-TECH LABORATORIES LTD.
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B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-352										31-Jul-98
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Zn (%)		
66	111876		<.03	<.001						
67	111877		<.03	<.001						
68	111878		<.03	<.001						
69	111879		<.03	<.001						
70	111880		<.03	<.001						
71	111881		<.03	<.001						
72	K1102		0.58	0.017	34.8	1.02		3.83		
73	K1103		0.27	0.008						
74	K1104		1.04	0.030						
75	K1105		2.13	0.062			1.64			
76	K1106		0.05	0.001						
77	K1107		0.51	0.015	38.5	1.12				
78	111882		<.03	<.001						
79	111883		<.03	<.001						
80	111884		0.21	0.006						
81	111885		<.03	<.001						
82	111886		<.03	<.001						
83	111887		<.03	<.001						
84	111888		<.03	<.001						
85	111889		<.03	<.001						
86	111890		<.03	<.001						
87	111891		<.03	<.001						
88	111892		0.03	0.001						
89	111893		<.03	<.001						
90	111894		<.03	<.001						
91	111895		0.15	0.004						
92	111896		0.16	0.005						
93	111897		0.21	0.006						
QC DATA:										
Resplit:										
1	111811		<.03	<.001						
36	111846		<.03	<.001						
71	111881		<.03	<.001						
Repeat:										
1	111811		<.03	<.001						
10	111820		<.03	<.001						
19	111829		<.03	<.001						
36	111846		<.03	<.001						
45	111855		0.04	0.001						
54	111864		<.03	<.001						
71	111881		<.03	<.001						
80	111884		0.23	0.007						

ECO-TECH LABORATORIES LTD.
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B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-352										31-Jul-98
			Au	Au	Ag	Ag	As	Zn		
ET #.	Tag #		(g/t)	(oz/t)	(g/t)	(oz/t)	(%)	(%)		
Standard:										
STD-M			1.55	0.045						
STD-M			1.62	0.047						
STD-M			1.53	0.045						
MPIa					69.7	2.03	0.84			
CPb-1								4.42		
							ECO-TECH LABORATORIES LTD.			
							Frank J. Pezzotti, A.Sc.T.			
XLS/98							B.C. Certified Assayer			

CERTIFICATE OF ASSAY AK 98-370

XPLORER GOLD CORPORATION 4-Aug-98
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 129
Sample type: Core
PROJECT #: Red Cap
SHIPMENT #: None Given
Samples submitted by: M. Fay

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	111898	<.03	<.001
2	111899	<.03	<.001
3	111900	<.03	<.001
4	111901	<.03	<.001
5	111902	<.03	<.001
6	111903	<.03	<.001
7	111904	<.03	<.001
8	111905	<.03	<.001
9	111906	<.03	<.001
10	111907	<.03	<.001
11	111908	<.03	<.001
12	111909	<.03	<.001
13	111910	<.03	<.001
14	111911	<.03	<.001
15	111912	<.03	<.001
16	111913	<.03	<.001
17	111914	<.03	<.001
18	111915	<.03	<.001
19	111916	<.03	<.001
20	111917	<.03	<.001
21	111918	<.03	<.001
22	111919	<.03	<.001
23	111920	<.03	<.001

ECO-TECH LABORATORIES LTD.
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B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-370										31-Jul-98
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Pb (%)	Zn (%)	
24	111921		<.03	<.001	-	-	-	-	-	
25	111922		<.03	<.001	-	-	-	-	-	
26	111923		<.03	<.001	-	-	-	-	-	
27	111924		<.03	<.001	-	-	-	-	-	
28	111925		<.03	<.001	-	-	-	-	-	
29	111926		<.03	<.001	-	-	-	-	-	
30	111927		<.03	<.001	-	-	-	-	-	
31	111928		<.03	<.001	-	-	-	-	-	
32	111929		<.03	<.001	-	-	-	-	-	
33	111930		<.03	<.001	-	-	-	-	-	
34	111931		<.03	<.001	-	-	-	-	-	
35	111932		<.03	<.001	-	-	-	-	-	
36	111933		<.03	<.001	-	-	-	-	-	
37	111934		<.03	<.001	-	-	-	-	-	
38	111935		<.03	<.001	-	-	-	-	-	
39	111936		<.03	<.001	-	-	-	-	-	
40	111937		<.03	<.001	-	-	-	-	-	
41	111938		<.03	<.001	-	-	-	-	-	
42	111939		<.03	<.001	-	-	-	-	-	
43	111940		<.03	<.001	-	-	-	-	-	
44	111941		0.98	0.029	164.0	4.78	-	-	-	
45	111942		<.03	<.001	-	-	-	-	-	
46	111943		<.03	<.001	-	-	-	-	-	
47	111944		<.03	<.001	-	-	-	-	-	
48	111945		0.06	0.002	-	-	-	-	-	
49	111946		<.03	<.001	-	-	-	-	-	
50	111947		0.30	0.009	46.2	1.35	-	-	2.70	
51	111948		3.16	0.092	160.0	4.67	1.12	2.00	-	
52	111949		0.06	0.002	-	-	-	-	-	
53	111950		<.03	<.001	-	-	-	-	-	
54	111951		<.03	<.001	-	-	-	-	-	
55	111952		<.03	<.001	-	-	-	-	-	
56	111953		<.03	<.001	-	-	-	-	-	
57	111954		<.03	<.001	-	-	-	-	-	
58	111955		<.03	<.001	-	-	-	-	-	
59	111996		0.16	0.005	-	-	2.56	-	-	
60	111997		<.03	<.001	-	-	-	-	-	
61	111998		<.03	<.001	-	-	-	-	-	
62	111999		<.03	<.001	-	-	-	-	-	
63	112000		<.03	<.001	-	-	-	-	-	
64	112001		<.03	<.001	-	-	-	-	-	
65	112002		<.03	<.001	-	-	-	-	-	
66	112003		0.03	0.001	-	-	-	-	-	

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-370										31-Jul-98
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Pb (%)	Zn (%)	
67	112004		<.03	<.001	-	-	1.09	-	-	
68	112005		<.03	<.001	-	-	1.00	-	-	
69	112006		<.03	<.001	-	-	-	-	-	
70	112007		<.03	<.001	-	-	-	-	-	
71	112008		0.06	0.002	-	-	-	-	-	
72	112009		0.05	0.001	-	-	-	-	-	
73	112010		0.03	0.001	-	-	-	-	-	
74	112011		<.03	<.001	-	-	-	-	-	
75	112012		<.03	<.001	-	-	-	-	-	
76	112013		<.03	<.001	-	-	-	-	-	
77	112014		<.03	<.001	-	-	-	-	-	
78	112015		<.03	<.001	-	-	-	-	-	
79	112016		<.03	<.001	-	-	-	-	-	
80	112017		<.03	<.001	-	-	-	-	-	
81	112018		<.03	<.001	-	-	-	-	-	
82	112019		<.03	<.001	-	-	-	-	-	
83	112020		<.03	<.001	-	-	-	-	-	
84	112021		<.03	<.001	-	-	-	-	-	
85	112022		<.03	<.001	-	-	-	-	-	
86	112023		<.03	<.001	-	-	-	-	-	
87	112024		<.03	<.001	-	-	-	-	-	
88	112025		<.03	<.001	-	-	-	-	-	
89	112026		0.03	0.001	-	-	-	-	-	
90	112027		<.03	<.001	-	-	-	-	-	
91	112028		<.03	<.001	-	-	-	-	-	
92	112029		0.03	0.001	-	-	-	-	-	
93	112030		<.03	<.001	-	-	-	-	-	
94	112031		<.03	<.001	-	-	-	-	-	
95	112032		<.03	<.001	-	-	-	-	-	
96	112033		<.03	<.001	-	-	-	-	-	
97	112034		<.03	<.001	-	-	-	-	-	
98	112035		<.03	<.001	-	-	-	-	-	
99	112036		<.03	<.001	-	-	-	-	-	
100	112037		<.03	<.001	-	-	-	-	-	
101	112038		0.03	0.001	-	-	-	-	-	
102	112039		0.49	0.014	-	-	-	-	-	
103	112040		0.04	0.001	-	-	-	-	-	
104	112041		<.03	<.001	-	-	-	-	-	
105	112042		3.54	0.103	72.8	2.12	2.39	1.92	4.25	
106	112043		<.03	<.001	-	-	-	-	-	
107	112044		0.78	0.023	35.6	1.04	-	1.02	-	
108	112045		0.08	0.002	-	-	-	-	-	
109	112046		<.03	<.001	-	-	-	-	-	
110	112047		<.03	<.001	-	-	-	-	-	

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-370										31-Jul-98
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Pb (%)	Zn (%)	
111	112048		0.05	0.001	-	-	-	-	-	
112	112049		<.03	<.001	-	-	-	-	-	
113	112050		<.03	<.001	-	-	-	-	-	
114	112051		<.03	<.001	-	-	-	-	-	
115	112052		<.03	<.001	-	-	-	-	-	
116	112053		0.03	0.001	-	-	-	-	-	
117	112054		<.03	<.001	-	-	-	-	-	
118	112055		0.04	0.001	-	-	-	-	-	
119	112056		<.03	<.001	-	-	-	-	-	
120	112057		<.03	<.001	-	-	-	-	-	
121	112058		<.03	<.001	-	-	-	-	-	
122	112059		<.03	<.001	-	-	-	-	-	
123	112060		<.03	<.001	-	-	-	-	-	
124	112061		<.03	<.001	-	-	-	-	-	
125	112062		<.03	<.001	-	-	-	-	-	
126	112063		<.03	<.001	-	-	-	-	-	
127	112064		<.03	<.001	-	-	-	-	-	
128	112065		<.03	<.001	-	-	-	-	-	
129	112066		<.03	<.001	-	-	-	-	-	
130	111988		<.03	<.001	-	-	-	-	-	
131	111989		0.05	0.001	-	-	-	-	-	
132	111990		2.16	0.063	-	-	-	-	-	
133	111991		0.29	0.008	-	-	-	-	-	
134	111992		4.16	0.121	82.2	2.40	-	-	-	
135	111993		0.21	0.006	-	-	-	-	-	
136	111994		0.31	0.009	-	-	-	-	-	
137	111995		0.14	0.004	-	-	-	-	-	
QC DATA:										
Resplit:										
1	111898		<.03	<.001	-	-	-	-	-	
36	111933		<.03	<.001	-	-	-	-	-	
71	112008		0.11	0.003	-	-	-	-	-	
106	112043		<.03	<.001	-	-	-	-	-	

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-370										31-Jul-98
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Pb (%)	Zn (%)	
Repeat:										
1	111898		<.03	<.001	-	-	-	-	-	
10	111907		<.03	<.001	-	-	-	-	-	
19	111916		<.03	<.001	-	-	-	-	-	
36	111933		<.03	<.001	-	-	-	-	-	
45	111942		<.03	<.001	-	-	-	-	-	
54	111951		<.03	<.001	-	-	-	-	-	
71	112008		0.12	0.003	-	-	-	-	-	
80	112017		<.03	<.001	-	-	-	-	-	
89	112026		0.03	0.001	-	-	-	-	-	
106	112043		<.03	<.001	-	-	-	-	-	
115	112052		<.03	<.001	-	-	-	-	-	
124	112061		<.03	<.001	-	-	-	-	-	
						-				
Standard:						-				
STD-M			1.42	0.041	-	-	-	-	-	
STD-M			1.40	0.041	-	-	-	-	-	
STD-M			1.54	0.045	-	-	-	-	-	
STD-M			1.56	0.045	-	-	-	-	-	
MP-1a			-	-	69.7	2.03	0.84	4.33	-	
CPb-1			-	-	-	-	-	-	4.42	
							ECO-TECH LABORATORIES LTD.			
							Frank J. Pezzotti, A.Sc.T.			
XLS/98							B.C. Certified Assayer			

CERTIFICATE OF ASSAY AK 98-359

XPLORER GOLD CORPORATION 28-Jul-98
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 32
Sample type: Core
PROJECT #: Red Cap
SHIPMENT #: None Given
Samples submitted by: M. Fay

ET #	Tag #	Au (g/t)	Au (oz/t)	As (%)
1	111956	0.11	0.003	
2	111957	<.03	<.001	
3	111958	<.03	<.001	
4	111959	0.03	0.001	
5	111960	<.03	<.001	
6	111961	<.03	<.001	
7	111962	<.03	<.001	
8	111963	<.03	<.001	
9	111964	<.03	<.001	
10	111965	<.03	<.001	
11	111966	<.03	<.001	
12	111967	<.03	<.001	
13	111968	<.03	<.001	1.07
14	111969	<.03	<.001	
15	111970	<.03	<.001	
16	111971	0.03	0.001	1.39
17	111972	<.03	<.001	1.38
18	111973	0.03	0.001	1.72
19	111974	<.03	<.001	
20	111975	<.03	<.001	
21	111976	<.03	<.001	
22	111977	<.03	<.001	
23	111978	<.03	<.001	
24	111979	0.04	0.001	

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-359 28-Jul-98

ET #.	Tag #	Au (g/t)	Au (oz/t)	As (%)
25	111980	<.03	<.001	
26	111981	0.04	0.001	
27	111982	0.07	0.002	
28	111983	0.03	0.001	
29	111984	0.14	0.004	1.99
30	111985	0.07	0.002	
31	111986	0.06	0.002	
32	111987	0.06	0.002	
QC DATA:				
Resplit:				
1	111956	0.10	0.003	
Repeat:				
1	111956	0.10	0.003	
10	111965	<.03	<.001	
19	111974	<.03	<.001	
Standard:				
STD-M		1.62	0.047	
MPIa				0.84
CD-1				0.66

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/98

CERTIFICATE OF ASSAY AK 98-387

XPLORER GOLD CORPORATION 10-Aug-98
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 72
Sample type: Core
PROJECT #: RED CAP
SHIPMENT #: None Given
Samples submitted by: M. Fay

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	112067	<.03	<.001
2	112068	<.03	<.001
3	112069	<.03	<.001
4	112070	<.03	<.001
5	112071	<.03	<.001
6	112072	<.03	<.001
7	112073	<.03	<.001
8	112074	<.03	<.001
9	112075	<.03	<.001
10	112076	<.03	<.001
11	112077	<.03	<.001
12	112078	0.05	0.001
13	112079	<.03	<.001
14	112080	<.03	<.001
15	112081	0.04	0.001
16	112082	0.10	0.003
17	112083	0.57	0.017
18	112084	<.03	<.001
19	112085	<.03	<.001
20	112086	0.03	0.001
21	112087	<.03	<.001
22	112088	<.03	<.001
23	112089	<.03	<.001

ECO-TECH LABORATORIES LTD.
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B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-387										10-Aug-98
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)			
24	112090		<.03	<.001						
25	112091		<.03	<.001						
26	112092		<.03	<.001						
27	112093		<.03	<.001						
28	112094		<.03	<.001						
29	112095		<.03	<.001						
30	112096		<.03	<.001						
31	112097		<.03	<.001						
32	112098		<.03	<.001			1.45			
33	112099		<.03	<.001						
34	112100		<.03	<.001						
35	112101		<.03	<.001						
36	112102		<.03	<.001						
37	112103		<.03	<.001						
38	112104		<.03	<.001						
39	112105		<.03	<.001						
40	112106		<.03	<.001						
41	112107		<.03	<.001						
42	112108		<.03	<.001						
43	112109		<.03	<.001						
44	112110		<.03	<.001						
45	112111		<.03	<.001						
46	112112		<.03	<.001						
47	112113		<.03	<.001						
48	112114		<.03	<.001						
49	112115		<.03	<.001						
50	112116		0.04	0.001						
51	112117		<.03	<.001						
52	112118		1.44	0.042						
53	112119		<.03	<.001						
54	112120		<.03	<.001						
55	112121		<.03	<.001						
56	112122		<.03	<.001						
57	112123		0.27	0.008	32.8	0.96				
58	112124		<.03	<.001						
59	112125		<.03	<.001						
60	112126		<.03	<.001						
61	112127		<.03	<.001						
62	112128		0.18	0.005						
63	112129		<.03	<.001						

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B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-387										10-Aug-98
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Zn (%)		
64	112130		<.03	<.001						
65	112131		<.03	<.001						
66	112132		0.08	0.002						
67	112133		0.49	0.014						
68	112134		0.37	0.011			1.06			
69	112135		2.55	0.074				5.96		
70	112136		0.55	0.016						
71	112137		<.03	<.001						
72	111651		0.78	0.023	84.2	2.46	2.67	1.24		
QC DATA:										
Resplit:										
1	112067		<.03	<.001						
36	112102		<.03	<.001						
71	112137		<.03	<.001						
Repeat:										
1	112067		<.03	<.001						
10	112076		<.03	<.001						
19	112085		<.03	<.001						
36	112102		<.03	<.001						
45	112111		<.03	<.001						
54	112120		<.03	<.001						
71	112137		<.03	<.001						
Standard:										
STD-M			1.40	0.041						
STD-M			1.41	0.041						
STD-M			1.46	0.043						
Mpla					69.7	2.03				
Cd-1							0.66			
Cpb-1								4.42		
							ECO-TECH LABORATORIES LTD.			
							Frank J. Pezzotti, A.Sc.T.			
XLS/98							B.C. Certified Assayer			

CERTIFICATE OF ASSAY AK 98-390

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

10-Aug-98

ATTENTION: ERNIE BERGVINSON

No. of samples received: 76
Sample type: Core
PROJECT #: RED CAP
SHIPMENT #: None Given
Samples submitted by: R. Nichol

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Zn (%)
1	112138	<.03	<.001				
2	112139	6.38	0.186			1.04	
3	112140	1.02	0.030	27.0	0.79		
4	112141	0.03	0.001				
5	112142	<.03	<.001				
6	112143	0.36	0.010			1.13	
7	112144	0.08	0.002				
8	112145	<.03	<.001				
9	112146	<.03	<.001				
10	112147	0.03	0.001				
11	112148	0.03	0.001				
12	112149	0.04	0.001				
13	112150	<.03	<.001				
14	112151	<.03	<.001				
15	112152	<.03	<.001				
16	112153	<.03	<.001				
17	112154	<.03	<.001				
18	112155	0.18	0.005				
19	112156	<.03	<.001				
20	112157	<.03	<.001				
21	112158	0.03	0.001				
22	112159	<.03	<.001				
23	112160	<.03	<.001				

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-390											10-Aug-98	
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Zn (%)				
24	112161		<.03	<.001								
25	112162		0.08	0.002								
26	112163		<.03	<.001								
27	112164		0.17	0.005								
28	112165		<.03	<.001								
29	112166		0.03	0.001								
30	112167		0.08	0.002				1.19				
31	112168		<.03	<.001								
32	112169		<.03	<.001								
33	112170		<.03	<.001								
34	112171		<.03	<.001								
35	112172		<.03	<.001								
36	112173		<.03	<.001								
37	112174		<.03	<.001								
38	112175		<.03	<.001								
39	112176		<.03	<.001								
40	112177		0.03	0.001								
41	112178		<.03	<.001								
42	112179		<.03	<.001								
43	112180		<.03	<.001								
44	112181		0.03	0.001								
45	112182		<.03	<.001								
46	112183		<.03	<.001								
47	112184		<.03	<.001								
48	112185		<.03	<.001								
49	112186		<.03	<.001								
50	112187		<.03	<.001								
51	112188		<.03	<.001								
52	112189		<.03	<.001								
53	112190		<.03	<.001								
54	112191		0.03	0.001								
55	112192		0.06	0.002								
56	112193		0.05	0.001			0.92					
57	112194		0.04	0.001								
58	112195		0.03	0.001								
59	112196		<.03	<.001								
60	112197		<.03	<.001								
61	112198		<.03	<.001								
62	112199		<.03	<.001								
63	112200		<.03	<.001								
64	112201		<.03	<.001								
65	112202		<.03	<.001								
66	112203		<.03	<.001								

ECO-TECH LABORATORIES LTD.
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XPLORER GOLD CORPORATION AK98-390										10-Aug-98	
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Zn (%)			
67	112204		<.03	<.001							
68	112205		0.03	0.001							
69	112206		<.03	<.001							
70	112207		0.03	0.001							
71	112208		0.14	0.004							
72	112209		0.03	0.001							
73	112210		0.03	0.001							
74	112211		<.03	<.001							
75	112212		0.03	0.001							
76	112213		<.03	<.001							
QC DATA:											
Resplit:											
1	112138		<.03	<.001							
36	112173		<.03	<.001							
71	112208		0.14	0.004							
Repeat:											
1	112138		<.03	<.001							
10	112147		<.03	<.001							
19	112156		<.03	<.001							
36	112173		<.03	<.001							
45	112182		<.03	<.001							
54	112191		0.03	0.001							
71	112208		0.14	0.004							
Standard:											
STD-M			1.44	0.042							
STD-M			1.48	0.043							
STD-M			1.70	0.050							
Mpla					69.7	2.03					
CD-1							0.66				
CPb-1								4.42			
							ECO-TECH LABORATORIES LTD.				
							Frank J. Pezzotti, A.Sc.T.				
XLS/98							B.C. Certified Assayer				

CERTIFICATE OF ASSAY AK 98-409

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

14-Aug-98

ATTENTION: ERNIE BERGVINSON

No. of samples received: 233
Sample type: Core/Rock
PROJECT #: RED CAP
SHIPMENT #: None Given
Samples submitted by: M. Fay

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	112214	<.03	<.001
2	112215	<.03	<.001
3	112216	<.03	<.001
4	112217	<.03	<.001
5	112218	<.03	<.001
6	112219	<.03	<.001
7	112220	<.03	<.001
8	112221	0.10	0.003
9	112222	0.03	0.001
10	112223	<.03	<.001
11	112224	0.04	0.001
12	112225	0.06	0.002
13	112226	0.06	0.002
14	112227	<.03	<.001
15	112228	<.03	<.001
16	112229	<.03	<.001
17	112230	<.03	<.001
18	112231	<.03	<.001
19	112232	<.03	<.001
20	112233	<.03	<.001
21	112234	<.03	<.001
22	112235	<.03	<.001

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XPLORER GOLD CORPORATION AK98-409 — 14-Aug-98

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Pb (%)	Zn (%)
23	112236	0.07	0.002					
24	112237	0.15	0.004					
25	112238	0.07	0.002					
26	112239	0.11	0.003					
27	112240	0.12	0.003					
28	112241	0.12	0.003					
29	112242	<.03	<.001					
30	112243	0.14	0.004					
31	112244	0.17	0.005					
32	112245	<.03	<.001					
33	112246	0.08	0.002					
34	112247	<.03	<.001					
35	112248	0.17	0.005					
36	112249	0.31	0.009					
37	112250	0.07	0.002					
38	112251	0.06	0.002					
39	112252	<.03	<.001					
40	112253	<.03	<.001					
41	112254	<.03	<.001					
42	112255	<.03	<.001					
43	112256	<.03	<.001					
44	112257	<.03	<.001					
45	112258	0.16	0.005					
46	112259	0.48	0.014					
47	112260	<.03	<.001					
48	112261	<.03	<.001					
49	112262	<.03	<.001					
50	112263	<.03	<.001					
51	112264	<.03	<.001					1.11
52	112265	0.10	0.003					
53	112266	0.25	0.007					
54	112267	<.03	<.001					
55	112268	<.03	<.001					
56	112269	<.03	<.001					
57	112270	<.03	<.001					
58	112271	<.03	<.001					
59	112272	<.03	<.001					
60	112273	<.03	<.001					
61	112274	<.03	<.001					
62	112275	0.07	0.002					
63	112276	<.03	<.001					
64	112277	1.39	0.041					
65	112278	<.03	<.001					

ECO-TECH LABORATORIES LTD.
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XPLORER GOLD CORPORATION AK98-409										14-Aug-98
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Pb (%)	Zn (%)	
66	112279		<.03	<.001						
67	112280		<.03	<.001						
68	112281		<.03	<.001						
69	112282		<.03	<.001						
70	112283		<.03	<.001						
71	112284		<.03	<.001						
72	112285		<.03	<.001						
73	112286		<.03	<.001						
74	112287		0.27	0.008						
75	112288		0.07	0.002						
76	112289		<.03	<.001						
77	112290		0.42	0.012						
78	112291		0.59	0.017						
79	112292		<.03	<.001						
80	112293		<.03	<.001						
81	112294		1.00	0.029	62.4	1.82				
82	112295		0.04	0.001						
83	112296		<.03	<.001						
84	112297		<.03	<.001						
85	112298		<.03	<.001						
86	112299		<.03	<.001						
87	112300		<.03	<.001						
88	112301		<.03	<.001						
89	112302		<.03	<.001						
90	112303		0.12	0.003			3.10			
91	112304		0.08	0.002						
92	112305		<.03	<.001						
93	112306		<.03	<.001						
94	112307		<.03	<.001						
95	112308		<.03	<.001						
96	112309		<.03	<.001						
97	112310		<.03	<.001						
98	112311		<.03	<.001						
99	112312		<.03	<.001						
100	112313		<.03	<.001						
101	112314		<.03	<.001						
102	112315		<.03	<.001						
103	112316		0.08	0.002						
104	112317		<.03	<.001						
105	112318		<.03	<.001						
106	112319		<.03	<.001						
107	112320		<.03	<.001						
108	112321		<.03	<.001						

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XPLORER GOLD CORPORATION AK98-409 — 14-Aug-98

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Pb (%)	Zn (%)
109	112322	<.03	<.001					
110	112323	<.03	<.001					
111	112324	<.03	<.001					
112	112325	0.03	0.001					
113	112326	0.06	0.002					
114	112327	0.03	0.001					
115	112328	<.03	<.001					
116	112329	0.03	0.001					
117	112330	0.25	0.007					
118	112331	<.03	<.001					
119	112332	0.18	0.005					
120	112333	0.05	0.001					
121	112334	<.03	<.001					
122	112335	<.03	<.001					
123	112336	<.03	<.001					
124	112337	0.07	0.002					
125	112338	<.03	<.001					
126	112339	<.03	<.001					
127	112340	<.03	<.001					
128	112341	<.03	<.001					
129	112342	0.86	0.025			7.55		
130	112343	<.03	<.001					
131	112344	<.03	<.001					
132	112345	<.03	<.001					
133	112346	<.03	<.001					
134	112347	0.25	0.007			1.13		
135	112348	<.03	<.001					
136	112349	0.25	0.007			1.58		
137	112350	<.03	<.001					
138	112351	0.08	0.002			1.42		
139	112352	<.03	<.001					
140	112353	1.54	0.045	205.0	5.98	6.87		3.06
141	112354	<.03	<.001					
142	112355	<.03	<.001					
143	112356	<.03	<.001					
144	112357	<.03	<.001					
145	112358	<.03	<.001					
146	112359	<.03	<.001					
147	112360	<.03	<.001					
148	112361	<.03	<.001					
149	112362	0.08	0.002			1.27		
150	112363	<.03	<.001					
151	112364	<.03	<.001					

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XPLORER GOLD CORPORATION AK98-409										14-Aug-98	
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Pb (%)	Zn (%)		
152	112365		0.19	0.006			1.95				
153	112366		<.03	<.001							
154	112367		<.03	<.001							
155	112368		<.03	<.001							
156	112369		<.03	<.001							
157	112370		0.05	0.001							
158	112371		0.07	0.002							
159	112372		<.03	<.001							
160	112373		<.03	<.001							
161	112374		<.03	<.001							
162	112375		<.03	<.001							
163	112376		<.03	<.001							
164	112377		<.03	<.001							
165	112378		0.03	0.001							
166	112379		0.04	0.001							
167	112380		<.03	<.001							
168	112381		<.03	<.001							
169	112382		<.03	<.001							
170	112383		<.03	<.001							
171	112384		0.25	0.007					1.29		
172	112385		0.04	0.001							
173	112386		<.03	<.001							
174	112387		<.03	<.001							
175	112388		<.03	<.001							
176	112389		<.03	<.001							
177	112390		<.03	<.001							
178	112391		<.03	<.001							
179	112392		0.17	0.005							
180	112393		<.03	<.001							
181	112394		<.03	<.001							
182	112395		<.03	<.001							
183	112396		0.08	0.002							
184	112397		0.07	0.002							
185	112398		<.03	<.001							
186	112399		<.03	<.001							
187	112400		<.03	<.001							
188	112401		<.03	<.001							
189	112402		<.03	<.001							
190	112403		0.08	0.002							
191	112404		0.11	0.003							
192	112405		<.03	<.001							
193	112406		<.03	<.001							
194	112407		0.05	0.001							

ECO-TECH LABORATORIES LTD.
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XPLORER GOLD CORPORATION AK98-409 14-Aug-98

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Pb (%)	Zn (%)
195	112408	0.05	0.001					
196	112409	0.13	0.004			0.89		
197	112410	0.14	0.004					
198	112411	<.03	<.001					
199	112412	<.03	<.001					
200	112413	<.03	<.001					
201	112414	<.03	<.001					
202	112415	<.03	<.001					
203	112416	<.03	<.001					
204	112417	<.03	<.001					
205	112418	<.03	<.001					
206	112419	<.03	<.001					
207	112420	<.03	<.001					
208	112421	<.03	<.001					
209	112422	<.03	<.001					
210	112423	<.03	<.001					
211	112424	<.03	<.001					
212	112425	<.03	<.001					
213	112426	0.13	0.004					
214	112427	<.03	<.001					
215	112428	0.03	0.001					
216	112429	<.03	<.001					
217	112430	<.03	<.001					
218	112431	<.03	<.001					
219	112432	<.03	<.001					
220	112433	<.03	<.001					
221	112434	<.03	<.001					
222	112435	<.03	<.001					
223	112436	<.03	<.001					
224	112437	<.03	<.001					
225	112438	<.03	<.001					
226	112439	<.03	<.001					
227	111652	<.03	<.001					
228	111654	<.03	<.001					
229	K1108	2.62	0.076	345.0	10.06	2.28	5.42	
230	K1109	0.86	0.025			1.43		
231	K1110	0.70	0.020	56.0	1.63			
232	K1111	<.03	<.001					
233	K1112	<.03	<.001					

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-409										14-Aug-98	
			Au	Au	Ag	Ag	As	Pb	Zn		
ET #.	Tag #		(g/t)	(oz/t)	(g/t)	(oz/t)	(%)	(%)	(%)		
QC DATA:											
Resplit:											
1	112214		0.03	0.001							
36	112249		0.34	0.010							
71	112284		<.03	<.001							
106	112319		<.03	<.001							
141	112354		<.03	<.001							
176	112389		<.03	<.001							
211	112424		<.03	<.001							
Repeat:											
1	112214		<.03	<.001							
10	112223		<.03	<.001							
19	112232		<.03	<.001							
36	112249		0.31	0.009							
45	112258		0.17	0.005							
51	112264								1.11		
54	112267		<.03	<.001							
71	112284		<.03	<.001							
80	112293		<.03	<.001							
81	112294				61.8	1.80					
89	112302		<.03	<.001							
106	112319		<.03	<.001							
115	112328		<.03	<.001							
124	112337		0.07	0.002							
141	112354		<.03	<.001							
150	112363		<.03	<.001							
159	112372		<.03	<.001							
171	112373								1.28		
176	112389		<.03	<.001							
185	112398		<.03	<.001							
194	112407		0.06	0.002							
211	112424		<.03	<.001							
220	112433		<.03	<.001							
Standard:											
STD-M			1.60	0.047							
STD-M			1.59	0.046							
STD-M			1.60	0.047							
STD-M			1.54	0.045							
STD-M			1.70	0.050							
STD-M			1.40	0.041							
STD-M			1.62	0.047							
Mpla					69.7	2.03		4.33			
Cpb-1									4.42		
CD-1							0.66				
							ECO-TECH LABORATORIES LTD.				
							Frank J. Pezzotti, A.Sc.T.				
XLS/98							B.C. Certified Assayer				

CERTIFICATE OF ASSAY AK 98-405

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

13-Aug-98

ATTENTION: ERNIE BERGVINSON

No. of samples received: 66
Sample type: Rock / Core
PROJECT #: RED CAP
SHIPMENT #: None Given
Samples submitted by: Xplorer

ET #	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)
1	112440	<.03	<.001			
2	112441	<.03	<.001			
3	112442	<.03	<.001			
4	112443	<.03	<.001			
5	112444	<.03	<.001			
6	112445	<.03	<.001			
7	112446	0.05	0.001			
8	112447	0.05	0.001			
9	112448	0.48	0.014			4.12
10	112449	0.04	0.001			
11	112450	<.03	<.001			
12	112451	0.11	0.003			1.14
13	112452	0.12	0.003			
14	112453	<.03	<.001			
15	112454	0.07	0.002			
16	112455	<.03	<.001			
17	112456	<.03	<.001			
18	112457	<.03	<.001			
19	112458	<.03	<.001			
20	112459	0.03	0.001			
21	112460	<.03	<.001			
22	112461	<.03	<.001			

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-405										13-Aug-98
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)			
23	112462		<.03	<.001						
24	112463		<.03	<.001						
25	112464		<.03	<.001						
26	112465		<.03	<.001						
27	112466		1.52	0.044	66.8	1.95	4.30			
28	112467		<.03	<.001						
29	112468		0.08	0.002			2.15			
30	112469		0.12	0.003			1.14			
31	112470		0.20	0.006			1.99			
32	112471		0.19	0.006			1.99			
33	112472		0.29	0.008			1.66			
34	112473		<.03	<.001						
35	112474		<.03	<.001						
36	112475		<.03	<.001						
37	112476		0.05	0.001						
38	112477		0.06	0.002						
39	112478		<.03	<.001						
40	112479		<.03	<.001						
41	112480		0.11	0.003	27.8	0.81				
42	112481		0.07	0.002						
43	112482		0.08	0.002						
44	112483		<.03	<.001						
45	112484		<.03	<.001						
46	112485		1.28	0.037	41.0	1.20	5.71			
47	112486		0.61	0.018			3.13			
48	112487		<.03	<.001						
49	112488		0.03	0.001						
50	112489		<.03	<.001						
51	112490		0.04	0.001						
52	112491		<.03	<.001						
53	112492		0.12	0.003						
54	112493		0.06	0.002						
55	112494		0.03	0.001						
56	112495		<.03	<.001						
57	112496		<.03	<.001						
58	112497		0.08	0.002						
59	112498		<.03	<.001						
60	112499		<.03	<.001						
61	112500		0.04	0.001						
62	112501		0.26	0.008			2.45			
63	112502		0.21	0.006			1.18			
64	112503		0.12	0.003						
65	112504		0.04	0.001						
66	112505		<.03	<.001						

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-405											13-Aug-98
			Au	Au	Ag	Ag	As				
ET #.	Tag #		(g/t)	(oz/t)	(g/t)	(oz/t)	(%)				
QC DATA:											
Resplit:											
1	112440		<.03	<.001							
36	112475		<.03	<.001							
Repeat:											
1	112440		<.03	<.001							
9	112448		-	-			4.44				
10	112449		0.04	0.001							
19	112458		<.03	<.001							
36	112475		<.03	<.001							
45	112484		0.03	0.001							
54	112493		0.07	0.002							
Standard:											
STD-M			1.52	0.044							
STD-M			1.40	0.041							
Mpla					69.7	2.03					
							ECO-TECH LABORATORIES LTD.				
							Frank J. Pezzotti, A.Sc.T.				
XLS/98							B.C. Certified Assayer				

CERTIFICATE OF ASSAY AK 98-417

XPLORER GOLD CORPORATION 12-Aug-98
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 3
Sample type: Core
PROJECT #: RED CAP
SHIPMENT #: None Given
Samples submitted by: J. WILLIAMS

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	112506	<.03	<.001
2	112507	<.03	<.001
3	112508	<.03	<.001
QC DATA:			
Resplit:			
1	112506	<.03	<.001
Repeat:			
1	112506	<.03	<.001
Standard:			
STD-M		1.52	0.044

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XLS/98

CERTIFICATE OF ASSAY AK 98-347

XPLORER GOLD CORPORATION 29-Jul-98
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 86
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Xplorer

ET #	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Cu (%)
1	K1084	0.08	0.002				
2	K1085	0.06	0.002				
3	K1086	0.22	0.006				
4	K1087	4.63	0.135				
5	K1088	0.53	0.015				
6	K1089	7.57	0.221	50.8	1.48	1.12	
7	K1090	4.75	0.139	25.6	0.75	2.78	
8	K1091	0.55	0.016				
9	K1092	<.03	<.001				
10	K1093	0.77	0.022			2.86	
11	K1094	0.32	0.009			1.25	
12	K1095	0.41	0.012				
13	K1096	1.05	0.031				
14	K1097	0.93	0.027				
15	K1098	<.03	<.001				
16	K1099	<.03	<.001				
17	K1100	<.03	<.001				
18	K1101	4.94	0.144	195.0	5.69	20.60	3.80
19	111732	<.03	<.001				
20	111733	0.03	0.001				

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

XPLORER GOLD CORPORATION AK98-347										29-Jul-98
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Cu (%)		
21	111734		<.03	<.001						
22	111735		<.03	<.001						
23	111736		<.03	<.001						
24	111737		<.03	<.001						
25	111738		<.03	<.001						
26	111739		<.03	<.001						
27	111751		<.03	<.001						
28	111752		<.03	<.001						
29	111753		0.04	0.001						
30	111754		<.03	<.001						
31	111755		5.81	0.169			2.70			
32	111756		0.15	0.004						
33	111757		<.03	<.001						
34	111758		<.03	<.001						
35	111759		<.03	<.001						
36	111760		0.07	0.002						
37	111761		1.29	0.038						
38	111762		0.08	0.002						
39	111763		<.03	<.001						
40	111764		<.03	<.001						
41	111765		<.03	<.001						
42	111766		<.03	<.001						
43	111767		<.03	<.001						
44	111768		0.13	0.004						
45	111769		0.22	0.006						
46	111770		<.03	<.001						
47	111771		<.03	<.001						
48	111772		<.03	<.001						
49	111773		<.03	<.001						
50	111774		<.03	<.001						
51	111775		<.03	<.001						
52	111776		<.03	<.001						
53	111777		<.03	<.001						
54	111778		0.61	0.018						
55	111779		<.03	<.001						
56	111780		0.15	0.004						
57	111781		0.03	0.001						
58	111782		0.03	0.001						
59	111783		0.06	0.002						
60	111784		0.20	0.006						
61	111785		<.03	<.001						
62	111786		0.04	0.001						
							ECO-TECH LABORATORIES LTD.			
							Frank J. Pezzotti, A.Sc.T.			
							B.C. Certified Assayer			

XPLORER GOLD CORPORATION AK98-347										29-Jul-98
ET #.	Tag #		Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	As (%)	Cu (%)		
63	111787		0.08	0.002						
64	111788		<.03	<.001						
65	111789		<.03	<.001						
66	111790		<.03	<.001						
67	111791		0.10	0.003						
68	111792		0.04	0.001						
69	111793		<.03	<.001						
70	111794		0.04	0.001						
71	111795		<.03	<.001						
72	111796		<.03	<.001						
73	111797		0.16	0.005						
74	111798		<.03	<.001						
75	111799		<.03	<.001						
76	111800		<.03	<.001						
77	111801		<.03	<.001						
78	111802		<.03	<.001						
79	111803		<.03	<.001						
80	111804		0.03	0.001						
81	111805		<.03	<.001						
82	111806		<.03	<.001						
83	111807		<.03	<.001						
84	111808		0.03	0.001						
85	111809		0.28	0.008						
86	111810		<.03	<.001						
QC DATA:										
Resplit:										
1	K1084		0.09	0.003						
36	111760		0.07	0.002						
71	111795		<.03	<.001						
Repeat:										
1	K1084		0.08	0.002						
10	K1093		0.84	0.024						
19	111732		<.03	<.001						
36	111760		0.04	0.001						
45	111769		0.21	0.006						
54	111778		0.64	0.019						
71	111795		<.03	<.001						
Standard:										
STD-M			1.52	0.044						
STD-M			1.46	0.043						
STD-M			1.46	0.043						
MPla					69.7	2.03	0.84	1.44		
							ECO-TECH LABORATORIES LTD.			
							Frank J. Pezzotti, A.Sc.T.			
XLS/98							B.C. Certified Assayer			

19-Jun-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 98-210

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE/ERIC BERGUINSON

No. of samples received: 29
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Xplorer Gold

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	97315	5	0.4	1.25	<5	35	<5	0.42	<1	23	72	314	8.62	<10	0.44	178	8	0.02	7	340	10	<5	<20	13	0.01	<10	23	<10	<1	22
2	97316	5	<0.2	1.43	<5	45	<5	0.35	<1	33	95	193	8.72	<10	0.99	86	5	0.06	10	640	12	<5	<20	19	0.08	<10	68	10	<1	25
3	97317	80	1.8	0.99	10	10	<5	0.75	<1	8	49	657	1.75	<10	0.12	74	<1	0.18	4	630	8	<5	<20	39	0.05	<10	10	<10	<1	32
4	97318	85	4.2	1.17	50	60	<5	0.67	1	72	35	2092	>10	<10	0.11	288	12	0.11	15	320	8	<5	<20	38	0.02	10	19	<10	<1	73
5	97319	35	2.4	2.46	<5	80	<5	1.34	2	53	22	2092	>10	<10	0.17	227	16	0.23	4	120	4	<5	<20	111	0.01	10	20	10	<1	53
6	97320	5	<0.2	1.49	<5	35	<5	0.37	<1	38	50	181	8.21	<10	0.97	107	5	0.06	9	610	8	<5	<20	15	0.05	10	55	<10	<1	23
7	97321	45	2.0	0.76	<5	95	<5	0.44	3	97	7	1159	>10	<10	0.12	183	16	0.05	5	120	8	<5	<20	29	0.02	10	14	<10	<1	42
8	97322	75	0.8	1.53	65	50	<5	2.05	<1	27	61	715	>10	<10	0.42	377	12	0.02	6	300	8	<5	<20	8	0.03	<10	34	20	<1	20
9	97323	55	2.2	1.66	<5	60	<5	0.40	<1	25	26	1721	>10	<10	0.58	379	9	0.06	7	690	8	<5	<20	8	0.03	<10	60	10	<1	49
10	97324	>1000	1.6	3.09	<5	75	<5	0.49	2	52	27	1621	>10	<10	0.57	571	14	0.03	6	360	6	<5	<20	8	0.04	10	58	<10	<1	36
11	97325	55	18.2	2.08	6955	85	<5	0.20	<1	44	47	3370	>10	<10	0.78	1222	27	0.04	15	170	114	<5	<20	7	0.01	<10	55	10	<1	228
12	97326	15	4.4	1.22	10	60	<5	0.31	<1	102	27	2131	>10	<10	0.79	403	396	0.06	65	460	6	<5	<20	9	0.02	<10	62	<10	<1	44
13	97327	5	0.2	1.19	<5	30	<5	0.54	<1	43	59	142	7.03	<10	1.10	166	14	0.09	5	470	6	<5	<20	35	0.07	<10	65	10	<1	31
14	97328	15	0.8	0.50	15	40	<5	0.53	<1	26	50	148	2.29	<10	0.20	178	3	0.07	9	1060	36	<5	<20	24	0.09	<10	30	<10	1	29
15	97329	5	1.4	1.38	170	45	<5	0.52	11	4	53	77	4.81	<10	0.74	1119	4	0.01	<1	970	78	<5	<20	14	0.01	<10	35	<10	<1	13
16	97330	620	27.6	0.76	5075	115	<5	0.12	<1	451	3	6558	>10	<10	0.08	127	61	0.04	54	<10	16	<5	<20	6	<0.01	10	9	10	<1	146
17	97331	40	6.2	0.54	630	75	<5	0.32	<1	101	13	1843	>10	50	0.22	89	26	0.06	18	460	16	<5	<20	9	<0.01	10	26	10	<1	41
18	97332	30	6.4	0.28	25	30	<5	0.18	5	12	30	1048	4.03	<10	0.09	66	10	0.02	2	710	22	<5	<20	7	0.01	<10	14	<10	<1	432
19	97333	>1000	>30	1.37	>10000	70	<5	0.31	<1	4540	32	>10000	>10	<10	0.06	655	20	0.02	343	<10	224	90	<20	15	0.02	<10	40	<10	<1	333
20	97334	>1000	>30	1.85	>10000	80	<5	0.80	<1	4255	30	>10000	>10	<10	0.07	1007	15	0.05	307	890	226	70	<20	34	0.02	<10	26	<10	<1	5480

XPLORER GOLD CORPORATION — ICP CERTIFICATE OF ANALYSIS AK 98-210 — **ECO-TECH LABORATORIES LTD.**

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
21	97335	10	3.0	5.55	510	65	<5	0.46	<1	42	54	232	>10	<10	2.94	3963	8	0.01	81	1620	64	<5	<20	25	0.02	<10	141	<10	<1	352
22	97336	>1000	17.8	4.08	>10000	80	<5	2.38	<1	1760	34	1886	>10	<10	0.52	1946	13	0.08	552	970	192	180	<20	206	0.03	<10	95	<10	<1	173
23	97337	5	0.4	0.48	370	125	<5	0.06	<1	133	<1	1175	>10	<10	<0.01	49	25	0.04	106	<10	48	<5	<20	3	<0.01	10	10	<10	<1	27
24	97338	5	1.2	1.22	185	40	<5	1.11	<1	12	121	984	3.72	<10	1.24	227	4	0.05	55	1070	10	<5	<20	31	0.02	<10	126	<10	6	48
25	97339	>1000	22.8	1.53	1040	45	<5	6.77	50	633	42	483	7.09	<10	0.27	7072	6	0.01	220	100	612	<5	<20	91	0.03	<10	17	<10	<1	7140
26	97340	>1000	>30	1.79	2905	50	<5	1.83	<1	1629	37	9864	7.55	<10	0.33	2003	11	0.06	524	1710	414	<5	<20	61	0.02	<10	39	<10	<1	1700
27	97341	>1000	>30	1.77	3275	50	<5	1.85	<1	1913	28	8992	8.16	<10	0.32	2112	11	0.06	587	1950	434	<5	<20	59	0.02	<10	37	<10	<1	2140
28	97342	>1000	>30	0.96	>10000	80	<5	0.69	507	8509	3	9492	>10	<10	<0.01	788	27	0.04	322	450	58	265	<20	32	<0.01	<10	17	<10	<1	262
29	97343	>1000	>30	1.78	1475	35	<5	1.42	449	355	39	5631	7.26	<10	0.23	1754	<1	0.02	55	1990	598	<5	<20	111	0.01	<10	15	<10	<1	>10000
QC DATA:																														
Resplit:																														
1	97315	5	0.4	1.20	5	35	<5	0.40	<1	26	80	296	8.70	<10	0.38	172	8	0.02	6	370	14	<5	<20	11	0.01	<10	21	<10	<1	24
Repeat:																														
1	97315	10	0.6	1.24	<5	35	<5	0.42	<1	23	72	320	8.68	<10	0.43	180	8	0.02	7	380	12	<5	<20	13	0.01	<10	23	10	<1	20
10	97324	>1000	1.8	3.05	<5	80	<5	0.51	2	51	26	1571	>10	<10	0.55	575	15	0.03	8	350	4	<5	<20	8	0.05	20	58	<10	<1	35
19	97333	>1000	>30	1.33	>10000	70	<5	0.31	<1	4632	32	>10000	>10	<10	0.05	658	20	0.02	345	<10	230	90	<20	15	0.02	<10	39	<10	<1	334
Standard:																														
GEO'98		135	1.0	1.80	65	160	<5	1.86	<1	19	62	76	3.73	<10	0.86	680	<1	0.02	23	630	22	<5	<20	54	0.09	<10	76	<10	4	68

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/210
XLS/98

17-Jul-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 98-308

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGUINSON

No. of samples received:50
Sample type: ROCK
PROJECT #: NONE GIVEN
SHIPMENT #: NONE GIVEN
Samples submitted by: XPLORER GOLD CORP.

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	111601	1.0	1.10	10	95	5	0.73	4	6	47	9	2.12	<10	0.45	995	2	0.04	16	430	200	<5	<20	27	0.03	<10	24	<10	4	421
2	111602	0.4	0.88	35	70	<5	0.29	1	6	33	47	2.62	<10	0.64	523	4	0.03	<1	940	38	<5	<20	13	<0.01	<10	32	<10	1	122
3	111603	13.8	0.74	1825	115	<5	0.16	9	4	42	87	2.50	<10	0.28	692	3	0.02	14	220	1700	180	<20	10	0.02	<10	26	<10	3	1282
4	111604	15.4	0.87	230	135	5	0.10	2	5	46	85	3.33	<10	0.21	835	6	0.02	7	270	958	35	<20	15	0.03	<10	19	<10	1	424
5	111605	>30	0.33	>10000	40	<5	0.10	79	6	79	682	5.41	<10	0.06	237	4	0.02	1	390	8746	4870	<20	8	<0.01	<10	5	<10	<1	6018
6	111606	3.4	1.37	155	65	<5	1.55	11	11	38	99	2.96	<10	0.65	352	13	0.10	8	1010	850	20	<20	100	<0.01	<10	41	<10	4	898
7	111607	0.2	0.96	15	55	5	0.33	<1	6	44	49	2.71	<10	0.69	348	2	0.05	<1	940	34	5	<20	19	0.08	<10	48	<10	3	39
8	111608	<0.2	0.99	25	50	<5	0.38	<1	7	35	58	2.60	<10	0.71	400	3	0.04	<1	930	18	<5	<20	16	0.06	<10	47	<10	3	39
9	111609	6.4	0.42	255	145	5	0.23	<1	5	50	77	3.57	<10	0.02	85	7	0.02	<1	890	184	<5	<20	20	<0.01	<10	17	<10	<1	32
10	111610	4.8	0.27	125	155	5	0.10	<1	2	31	61	3.27	<10	<0.01	89	5	0.02	<1	910	116	<5	<20	11	<0.01	<10	17	<10	<1	29
11	111611	2.8	1.15	290	85	5	0.69	<1	11	40	117	5.83	<10	0.09	242	16	0.05	1	1000	82	<5	<20	44	0.02	<10	50	<10	<1	37
12	111612	3.4	0.90	230	90	<5	0.48	<1	10	37	112	6.06	<10	0.09	243	16	0.04	<1	990	78	<5	<20	31	0.01	<10	49	<10	<1	34
13	111613	1.0	0.98	30	95	<5	0.54	2	6	37	79	3.77	<10	0.56	545	6	0.03	<1	890	38	<5	<20	23	<0.01	<10	41	<10	<1	193
14	111614	1.4	0.66	110	90	<5	0.17	<1	5	43	77	4.33	<10	0.14	208	7	0.03	<1	890	44	<5	<20	10	<0.01	<10	34	<10	<1	35
15	111615	4.0	0.31	1815	90	10	0.08	<1	7	36	128	7.93	<10	<0.01	139	13	0.02	<1	770	24	<5	<20	11	<0.01	<10	25	<10	<1	14
16	111616	1.0	0.32	265	115	5	0.09	<1	3	55	61	3.75	<10	0.02	168	13	0.02	1	800	18	<5	<20	9	<0.01	<10	14	<10	<1	8
17	111617	1.4	0.26	185	100	10	0.10	<1	4	66	52	3.28	<10	<0.01	204	12	0.01	<1	730	18	<5	<20	8	<0.01	<10	11	<10	<1	8
18	111618	<0.2	0.62	15	40	<5	0.62	<1	3	40	18	1.55	<10	0.39	211	1	0.05	<1	940	8	<5	<20	18	0.06	<10	29	<10	4	35
19	111619	3.4	0.29	4845	105	20	0.07	<1	7	28	105	>10	<10	<0.01	107	12	0.05	<1	890	40	<5	<20	9	<0.01	10	11	<10	<1	13
20	111620	3.8	0.29	5900	90	15	0.09	<1	11	36	152	>10	<10	<0.01	93	16	0.04	<1	760	70	<5	<20	8	<0.01	10	14	<10	<1	26

XPLORER GOLD CORPORATION											ICP CERTIFICATE OF ANALYSIS AK 98-308													ECO-TECH LABORATORIES LTD.				
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	111621	0.4	0.63	1085	115	15	0.02	<1	9	15	261	>10	<10	<0.01	93	16	0.03	<1	870	4	<5	<20	6	<0.01	10	33	<10	<1	32
22	111622	1.2	0.35	455	70	30	0.23	<1	34	25	247	>10	<10	<0.01	101	18	0.03	3	640	4	<5	<20	7	<0.01	10	10	<10	<1	12
23	111623	1.6	0.58	>10000	60	<5	0.24	<1	15	22	346	6.22	<10	<0.01	222	6	0.05	<1	1040	16	<5	<20	9	<0.01	<10	11	<10	<1	16
24	111624	1.0	1.24	85	80	<5	0.89	1	9	37	101	3.14	<10	0.92	817	4	0.03	<1	880	32	10	<20	40	<0.01	<10	46	<10	3	139
25	111625	2.6	0.34	310	35	<5	0.12	<1	11	32	91	5.52	<10	0.05	53	14	0.03	3	810	24	<5	<20	11	<0.01	<10	19	<10	<1	44
26	111626	3.2	0.31	510	55	15	0.07	<1	9	35	88	5.59	<10	0.06	60	13	0.02	<1	690	22	<5	<20	18	<0.01	10	23	<10	<1	65
27	111627	0.4	1.26	100	90	<5	1.21	1	8	47	53	2.94	<10	0.72	542	19	0.07	10	780	18	5	<20	81	0.02	<10	52	<10	4	104
28	111628	0.4	1.18	110	80	<5	0.86	<1	7	37	69	3.13	<10	0.76	572	3	0.06	<1	900	16	<5	<20	40	0.04	<10	42	<10	3	89
29	111629	0.2	1.21	40	80	<5	1.06	<1	7	37	55	3.16	<10	0.71	587	2	0.07	<1	890	14	<5	<20	55	0.05	<10	44	<10	4	94
30	111630	6.4	0.14	650	35	20	0.05	<1	22	25	20	6.83	<10	<0.01	19	17	0.02	4	240	16	<5	<20	8	<0.01	10	4	<10	<1	24
31	111631	2.0	0.53	220	90	<5	0.23	<1	5	29	71	3.83	<10	0.10	318	5	0.02	<1	910	68	<5	<20	13	<0.01	<10	18	<10	<1	57
32	111632	4.2	0.83	125	95	10	0.14	<1	8	45	150	8.87	<10	0.29	488	12	0.02	<1	800	112	<5	<20	9	<0.01	<10	24	<10	<1	81
33	111633	>30	0.19	535	125	<5	0.04	79	84	12	3346	>10	<10	<0.01	193	22	0.05	28	<10	1302	<5	<20	3	<0.01	10	5	<10	<1	4506
34	111634	2.0	0.79	70	75	<5	0.20	2	6	52	84	3.09	<10	0.38	503	5	0.05	3	630	66	<5	<20	15	<0.01	<10	33	<10	<1	125
35	111635	>30	0.44	2435	110	185	0.05	346	65	34	2285	>10	<10	<0.01	344	14	0.05	22	<10	2188	<5	<20	8	<0.01	10	9	<10	<1	>10000
36	111636	<0.2	0.98	<5	100	15	0.03	2	79	15	192	>10	<10	1.60	20	16	0.06	7	<10	<2	<5	<20	5	0.02	10	84	<10	<1	41
37	111637	<0.2	1.54	<5	55	30	0.97	<1	49	41	28	7.76	<10	2.21	1008	<1	0.20	25	1110	4	<5	<20	54	0.76	<10	167	<10	24	100
38	111638	0.8	0.76	<5	55	<5	0.42	<1	12	72	454	2.31	<10	0.65	202	26	0.05	5	570	18	<5	<20	28	0.07	<10	44	<10	2	51
39	111639	1.8	0.50	40	75	<5	4.42	<1	11	48	331	6.82	<10	0.25	1531	39	0.02	2	210	14	<5	<20	12	0.03	<10	18	<10	<1	41
40	111640	2.6	0.89	30	15	<5	6.15	2	7	70	270	3.12	10	0.42	1389	12	0.02	1	1400	132	5	<20	105	0.06	<10	31	<10	3	104
41	111641	>30	0.51	>10000	70	40	0.11	815	31	50	500	>10	<10	<0.01	406	85	0.01	4	80	>10000	345	<20	11	<0.01	10	5	<10	<1	>10000
42	111642	1.6	4.04	1040	50	<5	3.01	2	22	33	223	6.18	<10	0.32	397	5	0.13	9	1120	514	55	<20	190	0.08	<10	40	<10	<1	225
43	111643	3.6	7.08	395	60	15	4.69	13	22	92	136	9.12	<10	0.38	1097	10	0.40	8	610	198	<5	<20	264	0.04	<10	59	<10	<1	896
44	111644	<0.2	0.52	50	25	<5	0.71	<1	8	43	11	1.55	<10	0.28	96	<1	0.07	3	760	12	<5	<20	62	0.09	<10	23	<10	3	21
45	111645	>30	0.03	>10000	75	530	0.01	70	25	23	7483	>10	<10	<0.01	27	14	0.01	<1	<10	>10000	9055	<20	11	<0.01	10	2	<10	<1	4693
46	111646	>30	0.05	2285	25	<5	<0.01	3	3	167	116	3.34	<10	<0.01	41	89	0.01	1	30	>10000	125	<20	19	<0.01	<10	7	<10	<1	331
47	111647	2.2	0.33	7840	40	10	4.61	6	17	23	92	4.63	<10	1.23	1106	5	0.02	1	430	92	60	<20	185	<0.01	<10	33	<10	4	58
48	111648	0.6	1.08	200	45	10	3.83	<1	18	77	20	5.82	<10	0.97	1217	11	0.05	6	1020	60	<5	<20	52	0.03	<10	21	<10	5	74
49	111649	26.4	0.96	>10000	45	45	0.66	253	28	56	135	8.00	<10	0.51	762	3	0.02	4	560	4258	50	<20	20	<0.01	<10	28	<10	<1	>10000
50	111650	>30	0.78	>10000	75	<5	0.04	167	66	69	>10000	>10	<10	0.09	136	19	0.01	13	<10	5270	10	<20	13	<0.01	10	15	<10	<1	5320

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-308													ECO-TECH LABORATORIES LTD.					
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																													
Resplit:																													
1	111601	1.0	1.08	10	80	<5	0.73	4	6	48	10	2.14	<10	0.46	996	3	0.04	16	410	204	<5	<20	23	0.03	<10	24	<10	4	427
36	111636	0.4	1.00	<5	105	25	0.03	2	90	12	220	>10	<10	1.65	20	18	0.06	7	<10	6	<5	<20	2	0.02	50	87	<10	<1	46
Repeat:																													
1	111601	0.8	1.10	10	90	<5	0.72	4	6	47	10	2.12	<10	0.45	985	2	0.04	16	440	200	<5	<20	23	0.03	<10	24	<10	4	418
10	111610	4.6	0.26	115	150	<5	0.10	<1	2	30	60	3.19	<10	<0.01	82	5	0.02	<1	910	116	<5	<20	11	<0.01	<10	16	<10	<1	25
19	111619	3.2	0.30	4790	105	25	0.08	<1	7	26	104	>10	<10	<0.01	108	12	0.05	<1	860	36	<5	<20	11	<0.01	20	11	<10	<1	13
36	111636	0.4	0.98	<5	100	20	0.05	2	90	16	210	>10	<10	1.57	24	18	0.04	10	<10	2	<5	<20	1	0.02	50	83	<10	<1	46
Standard:																													
GEO'98		1.2	1.71	60	160	10	1.90	<1	20	65	80	3.83	<10	0.96	654	<1	0.02	22	610	18	<5	<20	62	0.11	<10	74	<10	5	85
GEO'98		1.4	1.80	65	160	5	1.84	<1	19	66	86	4.08	<10	0.98	645	<1	0.01	23	610	24	5	<20	57	0.10	<10	73	<10	5	75

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/307
XLS/98

16-Jul-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
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V2C 6T4

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ICP CERTIFICATE OF ANALYSIS AK 98-315

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGUINSON

No. of samples received: 16
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Xplorer Gold

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	111701	20	<0.2	1.07	<5	40	<5	1.25	<1	16	70	86	3.97	<10	0.53	427	16	0.08	12	1380	10	<5	<20	39	0.10	<10	51	10	3	26
2	111702	25	<0.2	1.36	<5	40	15	1.06	1	25	60	183	9.77	<10	0.53	627	10	0.06	15	1340	10	<5	<20	27	0.08	<10	58	<10	<1	59
3	111703	5	<0.2	0.87	5	30	10	0.79	2	11	81	71	4.14	<10	0.34	338	4	0.08	8	1210	8	<5	<20	28	0.09	<10	44	10	2	160
4	111704	5	<0.2	1.64	<5	45	15	0.88	<1	20	58	170	7.23	<10	1.30	418	3	0.10	7	2310	18	<5	<20	43	0.13	<10	112	10	2	47
5	111705	265	>30	0.48	255	150	65	3.86	92	54	13	1568	>10	<10	<0.01	370	36	0.02	<1	240	3126	<5	<20	17	0.04	10	19	<10	<1	4757
6	111706	>1000	>30	0.50	160	<5	<5	3.62	92	38	2	1228	>10	<10	<0.01	357	51	0.01	19	<10	3080	35	<20	23	0.04	<10	40	<10	<1	5107
7	111707	25	2.0	3.84	900	60	<5	1.65	<1	112	64	808	9.25	<10	0.85	467	7	0.34	18	670	146	<5	<20	83	0.07	<10	89	10	<1	100
8	111708	5	<0.2	1.60	480	65	<5	0.59	<1	11	84	31	2.34	<10	0.50	306	6	0.17	23	620	48	5	<20	79	0.03	<10	54	10	6	45
9	111709	20	0.4	2.03	385	30	5	1.26	<1	7	89	20	2.08	<10	0.36	290	5	0.22	17	960	134	15	<20	78	0.04	<10	51	10	7	57
10	111710	40	0.4	4.83	40	90	<5	2.94	<1	24	66	121	4.67	<10	0.81	707	8	0.11	39	1040	96	10	<20	916	0.02	<10	37	10	3	89
11	111711	135	2.0	4.48	<5	50	<5	3.55	2	80	102	666	>10	<10	1.02	474	14	0.08	118	5460	32	<5	<20	973	0.09	<10	96	10	7	131
12	111712	15	<0.2	1.54	30	85	10	0.70	<1	15	99	80	4.95	<10	0.79	449	<1	0.17	5	1400	68	20	<20	86	0.21	<10	187	<10	4	175
13	111713	10	0.6	2.79	55	115	<5	1.18	<1	11	75	44	3.95	<10	0.60	1233	9	0.11	22	950	100	<5	<20	263	<0.01	<10	14	10	2	54
14	111714	30	<0.2	1.24	1535	45	10	0.73	<1	31	184	94	5.26	<10	0.65	301	<1	0.13	33	1630	352	<5	<20	88	0.22	<10	129	10	3	52
15	111715	>1000	3.2	1.49	>10000	80	<5	0.34	50	9	66	207	7.20	<10	0.65	437	8	0.05	3	1480	520	40	<20	25	0.01	<10	43	<10	<1	1284
16	111716	>1000	10.0	0.72	>10000	80	25	0.11	>1000	33	42	412	>10	<10	0.35	306	16	0.02	3	410	962	765	<20	1	<0.01	10	19	<10	<1	2488

XPLORER GOLD CORPORATION											ICP CERTIFICATE OF ANALYSIS AK 98-315													ECO-TECH LABORATORIES LTD.						
Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																														
Resplit:																														
1	111701	15	<0.2	1.10	10	35	10	1.31	<1	16	70	82	3.87	<10	0.52	427	15	0.08	14	1410	12	<5	<20	36	0.10	<10	52	30	4	27
Repeat:																														
1	111701	15	<0.2	1.11	10	35	5	1.29	<1	17	79	87	4.04	<10	0.54	430	17	0.08	12	1440	14	<5	<20	40	0.10	<10	53	10	3	28
Standard:																														
GEO'98		130	1.2	1.80	80	160	<5	1.76	<1	21	61	78	4.18	<10	0.92	679	<1	0.03	23	720	26	<5	<20	60	0.12	<10	75	<10	5	74
																								ECO-TECH LABORATORIES LTD.						
df/317																								Frank J. Pezzotti, A.Sc.T.						
XLS/98																								B.C. Certified Assayer						

21-Jul-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 98-320

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGUINSON

No. of samples received: 14
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Xplorer Gold

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	111718	6.8	4.33	>10000	80	20	2.22	11	27	40	181	>10	<10	1.41	521	7	0.17	2	790	704	505	<20	251	0.08	<10	72	<10	<1	1111
2	111719	0.2	4.17	2470	85	10	1.96	1	11	66	31	4.41	<10	1.08	699	6	0.16	3	910	140	30	<20	152	0.03	<10	60	<10	<1	172
3	111720	0.6	2.90	2465	140	<5	0.75	1	12	48	93	3.92	<10	0.90	860	5	0.16	3	270	194	15	<20	88	<0.01	<10	40	<10	<1	114
4	111721	0.8	1.81	815	130	5	0.13	1	9	44	37	3.46	<10	0.53	856	3	0.05	3	90	138	<5	<20	21	<0.01	<10	17	<10	<1	79
5	111722	12.8	1.24	>10000	65	15	0.54	7	13	50	93	6.84	<10	0.17	296	9	0.03	4	330	1642	620	<20	27	<0.01	<10	16	<10	<1	541
6	111723	>30	0.87	8220	45	55	0.17	12	13	78	282	9.88	<10	0.44	532	8	0.01	<1	620	1968	<5	<20	6	<0.01	<10	36	<10	<1	1205
7	111724	28.2	0.82	>10000	50	15	0.15	7	31	75	552	9.15	<10	0.25	376	12	0.02	2	760	1264	<5	<20	9	0.01	<10	34	<10	<1	626
8	111725	>30	0.54	7920	120	<5	1.12	28	226	25	2870	>10	<10	0.13	656	28	0.04	79	<10	1054	<5	<20	11	<0.01	20	16	<10	<1	2327
9	111726	0.8	3.14	605	125	<5	1.09	1	21	40	128	4.86	<10	0.72	674	4	0.15	1	400	110	<5	<20	122	0.01	<10	26	<10	<1	85
10	111727	9.4	2.58	>10000	85	<5	1.36	43	41	115	201	5.92	<10	0.53	782	3	0.12	5	1110	1428	425	<20	71	0.10	<10	71	<10	<1	1055
11	111728	8.6	5.10	2775	70	20	3.37	12	22	88	98	4.87	<10	0.85	1238	3	0.17	5	1400	698	320	<20	152	0.17	<10	102	<10	<1	913
12	111729	1.6	6.37	760	105	<5	3.55	69	24	73	233	9.68	<10	1.54	2246	<1	0.22	3	1520	156	25	<20	153	0.29	<10	156	<10	<1	5148
13	111730	3.0	5.14	830	35	<5	3.49	2	27	42	144	6.69	<10	0.43	962	4	0.18	3	1440	464	35	<20	157	0.08	<10	50	<10	<1	161
14	111731	<0.2	6.05	>10000	105	<5	2.62	500	139	80	768	>10	<10	1.31	3367	<1	0.21	13	1330	196	<5	<20	142	0.29	<10	166	<10	<1	>10000
QC DATA:																													
Resplit:																													
1	111718	6.8	4.40	>10000	80	20	2.24	1	25	40	170	>10	<10	1.43	533	6	0.14	<1	830	736	515	<20	251	0.08	<10	74	<10	<1	1092
Repeat:																													
1	111718	6.8	4.33	>10000	80	10	2.22	1	27	41	178	>10	<10	1.40	521	7	0.16	1	810	698	510	<20	247	0.08	<10	72	<10	<1	1096
Standard:																													
GEO'98		1.2	1.68	72	155	<5	1.84	<1	18	66	78	3.93	<10	0.97	663	<1	0.03	20	680	18	<5	<20	59	0.11	<10	76	<10	5	73

df/320
XLS/98

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

30-Jul-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 98-352

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 93
Sample type: Core
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Xplorer

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	111811	0.4	0.69	80	95	<5	1.39	3	4	70	17	1.50	<10	0.39	998	4	0.05	4	450	76	5	<20	117	<0.01	<10	12	<10	2	333
2	111812	1.0	0.46	90	80	<5	1.95	3	3	62	26	1.76	<10	0.44	1479	4	0.04	4	410	88	<5	<20	173	<0.01	<10	7	<10	2	391
3	111813	12.2	0.62	830	40	<5	4.97	71	14	54	683	5.60	<10	0.44	3930	4	0.02	5	300	520	<5	<20	334	<0.01	<10	9	<10	<1	7243
4	111814	0.4	0.67	160	65	<5	1.75	2	3	71	9	1.57	<10	0.43	1094	4	0.04	4	410	84	<5	<20	108	<0.01	<10	10	<10	3	337
5	111815	<0.2	0.45	185	60	<5	1.75	<1	3	62	11	1.39	<10	0.32	991	4	0.05	4	500	48	5	<20	111	<0.01	<10	11	<10	3	167
6	111816	0.6	0.47	105	130	<5	2.01	1	7	52	30	1.83	<10	0.40	1400	4	0.05	5	450	62	<5	<20	129	<0.01	<10	12	<10	3	197
7	111817	1.4	0.66	1300	185	<5	3.23	<1	7	169	31	2.43	<10	0.57	2652	13	0.03	12	530	150	5	<20	235	<0.01	<10	13	<10	4	339
8	111818	>30	0.36	2995	40	<5	1.92	<1	16	110	497	3.10	<10	0.13	1920	8	0.01	7	530	2196	30	<20	128	<0.01	<10	3	<10	<1	1963
9	111819	18.2	0.22	3035	30	<5	2.40	58	12	153	368	4.54	<10	0.04	3994	8	0.01	5	390	1582	30	<20	113	<0.01	<10	3	<10	<1	8863
10	111820	1.4	0.50	945	65	<5	1.95	<1	4	67	37	2.19	<10	0.42	1341	5	0.03	5	510	288	55	<20	142	<0.01	<10	18	<10	3	178
11	111821	0.2	0.79	210	65	<5	1.03	<1	4	90	15	2.54	<10	0.51	768	7	0.05	5	510	56	15	<20	56	<0.01	<10	33	<10	2	134
12	111822	0.4	0.86	300	65	<5	1.57	<1	7	98	32	2.97	<10	0.67	946	7	0.05	7	630	52	10	<20	88	<0.01	<10	31	<10	3	224
13	111823	0.8	0.74	725	95	<5	1.43	<1	7	76	23	2.70	<10	0.51	1464	6	0.04	7	570	114	5	<20	105	<0.01	<10	23	<10	2	399
14	111824	1.2	0.70	210	60	<5	2.00	1	6	79	20	3.08	<10	0.61	1651	5	0.04	6	670	354	<5	<20	128	<0.01	<10	24	<10	2	353
15	111825	1.0	0.59	425	50	5	1.99	<1	6	69	15	2.93	<10	0.54	1635	4	0.04	7	600	222	<5	<20	125	<0.01	<10	20	<10	3	265
16	111826	0.4	0.58	25	60	<5	1.36	<1	6	104	15	2.06	<10	0.33	779	6	0.04	6	560	48	<5	<20	79	<0.01	<10	16	<10	3	147
17	111827	0.4	1.00	45	65	<5	1.40	3	11	59	37	3.55	<10	0.62	862	5	0.05	9	650	46	<5	<20	79	<0.01	<10	38	<10	3	323
18	111828	0.4	0.82	45	65	<5	1.72	2	7	87	18	2.52	<10	0.58	898	5	0.05	6	660	54	<5	<20	114	<0.01	<10	24	<10	3	222
19	111829	0.4	1.41	25	65	<5	1.50	<1	6	50	10	3.51	<10	1.01	885	4	0.05	6	760	18	5	<20	106	<0.01	<10	53	<10	3	87
20	111830	0.6	1.01	465	90	<5	1.35	<1	12	88	44	3.60	<10	0.62	802	6	0.05	7	810	28	<5	<20	102	<0.01	<10	24	<10	2	188
21	111831	0.4	0.80	35	60	<5	0.91	<1	8	59	29	2.73	<10	0.48	468	4	0.06	9	660	18	<5	<20	73	<0.01	<10	32	<10	2	51
22	111832	0.2	0.57	20	70	<5	0.81	<1	7	58	25	2.12	<10	0.31	381	4	0.06	6	720	14	<5	<20	61	<0.01	<10	25	<10	3	53
23	111833	0.4	0.83	475	60	<5	1.58	<1	5	59	26	2.24	<10	0.44	1263	3	0.04	4	700	60	<5	<20	75	<0.01	<10	18	<10	3	490
24	111834	1.2	0.81	2025	45	<5	1.85	<1	12	53	35	3.57	<10	0.35	1173	5	0.03	5	770	232	<5	<20	93	<0.01	<10	13	<10	<1	754
25	111835	0.2	0.77	35	65	<5	0.86	1	6	58	28	2.19	<10	0.41	442	3	0.06	5	690	6	<5	<20	46	<0.01	<10	29	<10	3	159

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-352													ECO-TECH LABORATORIES LTD.				
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	111836	<0.2	0.70	30	45	<5	0.95	2	6	83	31	2.12	<10	0.46	476	5	0.05	4	710	4	5	<20	44	0.01	<10	29	<10	4	158
27	111837	0.4	0.74	25	50	<5	0.82	<1	9	77	52	2.55	<10	0.49	455	5	0.06	6	720	6	<5	<20	35	0.04	<10	33	<10	2	107
28	111838	<0.2	0.71	10	25	<5	0.75	<1	7	72	43	2.26	<10	0.45	431	3	0.05	4	720	8	<5	<20	26	0.05	<10	35	<10	2	89
29	111839	<0.2	0.95	15	45	<5	0.70	2	8	126	40	2.44	<10	0.55	498	7	0.07	5	680	6	<5	<20	40	0.07	<10	44	<10	3	167
30	111840	<0.2	0.75	15	50	5	0.42	<1	7	112	23	2.10	<10	0.49	399	3	0.07	4	690	4	<5	<20	27	0.08	<10	43	<10	3	97
31	111841	0.2	2.33	80	195	10	0.98	<1	19	53	9	4.74	<10	0.75	1390	6	0.06	48	870	30	<5	<20	43	0.03	<10	58	<10	4	135
32	111842	1.0	1.72	70	75	<5	1.36	4	28	56	63	5.94	<10	0.66	1752	7	0.03	66	1150	182	<5	<20	46	<0.01	<10	43	<10	7	464
33	111843	3.4	2.56	145	100	<5	1.20	<1	27	64	266	7.66	<10	1.01	1601	8	0.06	58	840	122	<5	<20	49	0.02	<10	63	<10	3	179
34	111844	0.4	1.74	85	110	10	1.14	1	11	84	21	4.61	<10	0.67	1269	8	0.03	30	740	46	<5	<20	37	0.01	<10	40	<10	6	226
35	111845	1.0	1.89	1235	90	5	2.33	<1	19	94	29	5.02	<10	0.84	1974	8	0.04	34	790	106	<5	<20	59	0.01	<10	45	<10	7	146
36	111846	0.8	1.43	280	115	<5	1.21	<1	19	74	20	2.85	<10	0.48	956	6	0.04	41	580	92	<5	<20	31	0.01	<10	27	<10	8	68
37	111847	1.2	2.36	380	95	10	0.80	<1	19	109	28	5.59	<10	0.82	1156	7	0.05	45	900	218	<5	<20	45	0.03	<10	49	<10	4	334
38	111848	0.6	1.64	680	110	10	1.22	<1	22	81	17	3.73	<10	0.54	986	4	0.06	39	920	104	<5	<20	40	0.04	<10	41	<10	7	111
39	111849	0.8	1.97	820	85	5	1.08	<1	16	105	24	4.76	<10	0.69	1169	7	0.07	30	910	90	<5	<20	58	0.02	<10	46	<10	4	137
40	111850	0.4	1.41	110	105	<5	1.46	<1	16	62	22	3.27	<10	0.50	1148	4	0.04	28	930	156	<5	<20	43	0.03	<10	21	<10	8	192
41	111851	1.8	1.70	175	70	5	1.57	10	22	51	95	8.22	<10	0.64	1984	8	0.02	56	1930	476	<5	<20	40	0.02	<10	24	<10	7	1120
42	111852	1.6	2.42	105	70	<5	1.45	5	21	70	70	6.71	<10	0.81	1695	7	0.05	44	1690	272	<5	<20	69	0.02	<10	47	<10	5	549
43	111853	2.0	2.65	40	85	10	0.85	2	25	48	67	9.05	<10	0.99	1958	10	0.02	51	1200	266	<5	<20	29	0.02	<10	65	<10	2	390
44	111854	2.8	2.66	90	75	5	1.10	18	27	56	116	>10	<10	0.98	2082	13	0.02	58	1750	450	<5	<20	56	0.01	<10	67	<10	2	1716
45	111855	3.8	2.08	695	65	<5	1.01	<1	31	198	124	9.76	<10	0.69	1653	22	0.02	87	800	460	<5	<20	37	<0.01	<10	44	<10	<1	817
46	111856	3.4	2.07	2370	105	5	2.47	<1	35	73	83	6.01	<10	0.88	1942	9	0.02	90	750	152	<5	<20	98	<0.01	<10	56	<10	6	181
47	111857	0.8	2.00	285	105	10	0.89	<1	19	77	46	5.77	<10	0.70	1119	8	0.04	35	730	64	<5	<20	32	0.01	<10	43	<10	7	207
48	111858	0.6	1.75	130	100	<5	0.81	<1	21	65	30	5.00	<10	0.52	1007	7	0.03	39	760	48	<5	<20	25	0.01	<10	35	<10	7	115
49	111859	0.8	1.25	1400	105	<5	1.65	<1	13	111	35	3.30	<10	0.52	1065	7	0.03	22	620	152	<5	<20	49	<0.01	<10	24	<10	7	130
50	111860	3.0	2.64	410	105	<5	0.90	<1	21	83	161	6.46	<10	0.73	1107	8	0.06	46	670	330	<5	<20	75	0.02	<10	36	<10	<1	395
51	111861	>30	1.91	2045	80	25	1.46	144	20	61	152	5.96	<10	0.71	2175	1	0.02	43	580	4678	<5	<20	92	<0.01	<10	38	<10	<1	>10000
52	111862	3.6	2.43	3125	100	<5	0.43	<1	34	84	76	6.93	<10	0.74	1126	9	0.05	56	830	584	<5	<20	60	0.02	<10	49	<10	1	393
53	111863	1.0	1.66	570	110	<5	0.20	<1	21	73	42	4.50	<10	0.54	788	5	0.04	47	220	110	5	<20	39	<0.01	<10	31	<10	1	251
54	111864	1.0	1.15	6165	90	<5	0.31	<1	24	65	29	3.45	<10	0.47	759	6	0.04	35	360	172	20	<20	30	<0.01	<10	25	<10	2	579
55	111865	2.4	1.69	3350	60	10	0.46	<1	18	91	38	6.01	<10	0.74	1132	6	0.05	25	910	276	<5	<20	24	0.02	<10	54	<10	4	571
56	111866	1.6	1.62	1725	105	<5	0.43	<1	25	85	39	4.44	<10	0.51	885	10	0.05	44	870	218	<5	<20	38	0.01	<10	32	<10	6	408
57	111867	1.2	1.51	345	120	10	0.24	5	12	105	17	4.09	<10	0.44	745	5	0.05	24	490	256	<5	<20	23	0.02	<10	36	<10	2	637
58	111868	2.0	1.20	1945	75	<5	0.37	<1	21	98	22	3.87	<10	0.43	874	8	0.04	29	490	298	5	<20	24	<0.01	<10	17	<10	2	631
59	111869	0.4	0.91	55	105	<5	0.36	1	10	56	24	2.33	<10	0.29	532	4	0.05	9	60	20	<5	<20	23	<0.01	<10	5	<10	<1	184
60	111870	0.6	0.90	25	75	<5	0.29	2	11	72	54	2.54	<10	0.27	520	3	0.05	8	50	22	<5	<20	13	<0.01	<10	5	<10	<1	254

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-352														ECO-TECH LABORATORIES LTD.				
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
61	111871	0.4	0.95	30	55	<5	0.28	1	10	61	28	2.22	<10	0.34	557	4	0.06	7	60	26	<5	<20	11	0.02	<10	8	<10	<1	203
62	111872	0.6	1.34	35	95	<5	0.32	3	12	59	73	2.77	<10	0.50	615	3	0.08	8	50	24	<5	<20	31	0.03	<10	14	<10	<1	314
63	111873	1.0	1.13	25	90	<5	0.27	2	9	53	95	2.52	<10	0.50	588	3	0.06	8	340	50	<5	<20	20	0.03	<10	12	<10	2	241
64	111874	2.0	1.18	120	75	<5	0.39	2	8	58	172	2.23	<10	0.47	494	4	0.07	6	310	128	5	<20	35	0.03	<10	13	<10	1	387
65	111875	0.8	1.50	30	90	<5	0.50	3	12	83	59	2.60	<10	0.66	646	3	0.10	7	210	44	10	<20	39	0.07	<10	23	<10	1	284
66	111876	<0.2	1.16	15	65	<5	0.31	<1	8	88	11	2.10	<10	0.59	509	5	0.07	7	320	30	10	<20	28	0.05	<10	31	<10	2	92
67	111877	<0.2	2.46	35	210	10	1.45	3	7	72	5	2.41	<10	0.63	585	<1	0.13	5	460	32	<5	<20	157	0.08	<10	31	<10	3	352
68	111878	<0.2	1.33	40	80	5	0.39	2	6	67	3	1.96	<10	0.64	487	2	0.05	6	440	22	10	<20	50	0.03	<10	17	<10	4	274
69	111879	<0.2	2.36	35	155	<5	1.16	1	8	67	7	2.49	<10	0.74	565	4	0.14	7	530	36	5	<20	131	0.05	<10	36	<10	4	216
70	111880	<0.2	1.96	55	120	5	0.78	<1	8	86	2	2.43	<10	0.87	677	2	0.14	9	530	24	10	<20	95	0.07	<10	45	<10	5	80
71	111881	0.2	0.71	20	70	<5	1.99	3	7	57	5	2.66	<10	0.92	1315	3	0.04	8	510	98	10	<20	224	<0.01	<10	28	<10	3	302
72	K1102	>30	0.82	1185	40	<5	0.23	390	147	46	3372	>10	<10	0.20	850	<1	0.02	107	400	1060	<5	<20	35	<0.01	<10	7	<10	<1	>10000
73	K1103	24.6	1.29	730	45	<5	0.76	58	43	58	1318	4.24	<10	0.22	768	2	0.02	26	560	852	<5	<20	81	<0.01	<10	14	<10	<1	5854
74	K1104	14.2	0.78	2600	115	5	0.54	<1	87	80	92	3.76	<10	0.15	272	12	0.02	9	2030	258	<5	<20	42	<0.01	<10	21	<10	2	860
75	K1105	16.2	0.48	>10000	125	<5	0.05	<1	61	72	176	9.22	<10	0.03	160	11	0.01	26	580	500	<5	<20	4	<0.01	<10	15	<10	<1	837
76	K1106	7.4	0.31	350	190	<5	0.10	<1	<1	59	26	2.28	<10	0.04	45	12	0.01	<1	760	186	<5	<20	4	<0.01	<10	11	<10	<1	44
77	K1107	>30	0.50	1300	172	5	0.13	<1	1	62	178	2.72	<10	0.09	137	7	0.02	7	636	2838	20	<20	8	<0.01	<10	16	<10	<1	190
78	111882	0.6	3.19	2715	60	<5	2.03	<1	12	34	51	2.61	<10	0.58	490	4	0.30	9	1610	284	15	<20	118	<0.01	<10	30	<10	5	109
79	111883	1.0	1.70	3865	45	5	0.98	<1	8	59	24	2.31	<10	0.51	451	4	0.18	5	1300	268	15	<20	64	0.01	<10	31	<10	5	109
80	111884	1.6	1.69	5975	55	<5	0.89	<1	16	33	38	3.51	<10	0.61	572	4	0.16	12	1090	424	15	<20	61	0.02	<10	36	<10	3	170
81	111885	2.0	1.24	3770	30	10	0.85	<1	15	49	18	2.39	<10	0.60	576	3	0.10	11	1040	468	20	<20	42	0.02	<10	31	<10	3	173
82	111886	1.0	1.76	4770	35	5	1.33	<1	7	52	8	1.90	<10	0.68	486	2	0.19	7	820	292	20	<20	85	0.03	<10	27	<10	3	106
83	111887	1.4	2.27	1815	25	5	1.64	<1	6	69	6	1.81	<10	0.90	568	1	0.27	6	920	298	15	<20	112	0.04	<10	31	<10	3	122
84	111888	0.4	2.48	1520	25	<5	1.58	<1	8	51	9	2.11	<10	1.01	562	2	0.28	8	1140	232	20	<20	140	0.04	<10	45	<10	3	124
85	111889	0.4	2.11	3765	35	5	1.61	<1	12	52	14	2.88	<10	1.02	629	2	0.20	10	3280	158	10	<20	116	0.05	<10	70	<10	5	121
86	111890	0.6	1.82	280	45	5	1.29	<1	7	46	13	3.01	<10	0.93	639	4	0.14	9	1490	112	5	<20	82	0.02	<10	47	<10	3	80
87	111891	0.6	1.80	3240	45	<5	1.39	<1	9	46	10	2.49	<10	0.89	608	<1	0.16	9	2010	190	15	<20	83	0.04	<10	44	<10	4	138
88	111892	0.4	1.49	430	45	<5	0.57	<1	11	42	10	2.80	<10	0.72	603	3	0.10	9	960	84	10	<20	73	0.04	<10	39	<10	3	214
89	111893	0.2	1.67	2265	45	<5	0.56	<1	12	35	16	3.70	<10	0.92	739	3	0.09	9	1180	94	10	<20	59	0.04	<10	44	<10	2	217
90	111894	0.2	1.67	2160	45	5	0.59	<1	12	41	11	3.09	<10	0.93	661	2	0.10	9	1080	80	10	<20	88	0.04	<10	47	<10	3	144
91	111895	<0.2	1.32	2160	45	<5	0.79	<1	11	34	7	2.27	<10	0.60	485	2	0.12	10	1050	80	10	<20	60	0.02	<10	41	<10	3	70
92	111896	<0.2	1.14	4185	60	<5	0.75	<1	11	46	8	2.81	<10	0.57	502	4	0.09	11	900	78	5	<20	39	0.02	<10	34	<10	2	59
93	111897	0.4	1.85	4155	55	5	1.40	<1	20	45	18	3.50	<10	0.78	555	4	0.19	10	1080	88	<5	<20	90	0.02	<10	45	<10	1	94

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-352													ECO-TECH LABORATORIES LTD.					
QC DATA:		Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Resplit:																													
1	111811	0.8	0.70	100	95	<5	1.46	3	5	87	17	1.63	<10	0.39	1044	5	0.05	6	500	106	<5	<20	108	<0.01	<10	12	<10	3	437
36	111846	0.6	1.38	275	105	<5	1.24	<1	18	55	19	2.70	<10	0.47	935	4	0.04	37	590	82	5	<20	30	0.01	<10	26	<10	8	64
71	111881	0.2	0.77	60	65	10	2.03	2	8	49	6	2.77	<10	0.91	1343	4	0.05	7	570	116	5	<20	212	<0.01	<10	29	<10	3	317
Repeat:																													
1	111811	0.4	0.66	85	90	<5	1.40	3	4	75	17	1.52	<10	0.38	1000	4	0.05	4	470	94	5	<20	110	<0.01	<10	11	<10	2	355
10	111820	1.8	0.52	1010	70	<5	2.06	<1	4	73	38	2.31	<10	0.44	1420	5	0.03	5	530	328	60	<20	150	<0.01	<10	20	<10	3	202
19	111829	<0.2	1.38	15	60	<5	1.46	<1	6	50	9	3.43	<10	0.98	858	4	0.05	6	740	28	<5	<20	102	<0.01	<10	51	<10	3	84
36	111846	0.6	1.44	290	110	5	1.23	<1	19	67	21	2.94	<10	0.48	975	5	0.04	41	590	98	<5	<20	27	0.01	<10	27	<10	7	81
45	111855	3.6	2.11	675	70	<5	1.01	<1	30	195	127	9.93	<10	0.71	1657	22	0.02	87	820	464	<5	<20	39	<0.01	<10	44	<10	<1	824
54	111864	1.2	1.18	6170	85	<5	0.31	<1	23	65	30	3.45	<10	0.49	757	6	0.04	34	380	172	10	<20	29	<0.01	<10	25	<10	2	564
71	111881	0.4	0.70	50	65	<5	1.99	2	7	50	5	2.63	<10	0.90	1311	3	0.04	6	530	102	<5	<20	216	<0.01	<10	28	<10	4	302
80	111884	1.6	1.76	6400	50	<5	0.92	<1	17	36	38	3.69	<10	0.63	592	4	0.17	13	1170	456	15	<20	58	0.02	<10	37	<10	3	178
89	111893	<0.2	1.71	2410	45	10	0.58	<1	13	37	16	3.78	<10	0.92	751	2	0.09	10	1210	98	10	<20	59	0.05	<10	45	<10	2	224
Standard:																													
GEO		1.0	1.77	70	165	<5	1.83	<1	21	69	80	4.36	<10	0.93	724	<1	0.03	29	680	32	<5	<20	60	0.13	<10	81	<10	4	83
GEO		1.0	1.81	70	165	<5	1.85	<1	21	66	82	4.36	<10	0.95	730	<1	0.03	28	680	30	<5	<20	62	0.13	<10	83	<10	4	78
GEO		1.2	1.77	85	165	<5	1.90	<1	22	67	79	4.49	<10	0.94	747	<1	0.03	30	720	38	<5	<20	60	0.13	<10	83	<10	4	88

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/352
XLS/98

31-Jul-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 98-370

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 129
Sample type: Core
PROJECT #: Red Cap
SHIPMENT #: None Given
Samples submitted by: M. Fay

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	111898	0.4	1.55	1295	50	<5	0.97	<1	18	48	33	3.85	<10	0.64	508	3	0.15	8	950	48	<5	<20	62	0.05	<10	57	<10	<1	50
2	111899	<0.2	1.50	1330	60	5	1.05	<1	14	50	34	3.75	<10	0.62	499	5	0.14	9	1030	40	<5	<20	65	0.04	<10	51	<10	2	54
3	111900	<0.2	2.48	2825	60	10	0.92	<1	19	50	41	4.93	<10	1.12	580	5	0.21	8	1020	42	<5	<20	90	0.03	<10	66	<10	<1	103
4	111901	0.2	1.62	2320	55	5	0.76	<1	11	43	21	2.79	<10	0.73	414	3	0.15	7	1170	42	10	<20	76	0.03	<10	51	<10	2	95
5	111902	0.6	2.24	2505	60	10	0.91	<1	10	52	25	3.89	<10	0.93	652	4	0.21	7	1030	94	5	<20	91	0.04	<10	51	<10	<1	319
6	111903	0.6	1.25	1165	40	10	1.01	<1	5	40	19	2.96	<10	0.71	747	3	0.07	5	940	118	<5	<20	52	0.04	<10	39	<10	1	320
7	111904	2.6	1.90	570	55	<5	1.24	2	10	56	74	3.50	<10	0.74	975	3	0.15	7	1030	360	<5	<20	90	0.04	<10	39	<10	2	449
8	111905	1.0	1.52	830	35	<5	1.12	<1	7	48	37	2.52	<10	0.72	771	3	0.14	9	960	240	10	<20	105	0.05	<10	40	<10	2	213
9	111906	1.0	2.09	910	50	10	1.26	<1	10	54	15	3.67	<10	1.06	886	4	0.17	6	1000	244	5	<20	113	0.05	<10	54	<10	1	222
10	111907	0.6	1.73	1495	45	10	0.88	1	12	43	23	4.07	<10	1.00	878	3	0.10	7	1130	208	10	<20	69	0.06	<10	65	<10	<1	1008
11	111908	0.4	0.93	250	50	<5	0.37	<1	5	53	11	1.56	<10	0.38	490	2	0.08	2	680	168	5	<20	25	0.04	<10	27	<10	3	89
12	111909	0.8	2.29	505	35	10	1.42	<1	13	38	22	2.65	<10	0.93	887	2	0.23	5	1430	414	5	<20	115	0.04	<10	50	<10	3	159
13	111910	0.4	1.61	175	50	<5	1.25	<1	10	65	30	2.91	<10	0.86	785	4	0.12	6	1090	310	5	<20	65	0.06	<10	49	<10	2	138
14	111911	0.2	2.05	95	50	10	1.51	<1	10	49	44	3.10	<10	1.07	718	2	0.17	7	2080	218	5	<20	147	0.06	<10	48	<10	4	137
15	111912	<0.2	3.94	150	90	<5	1.54	<1	19	60	185	5.50	<10	1.64	619	2	0.41	8	1210	54	<5	<20	220	0.12	<10	64	<10	2	106
16	111913	<0.2	2.39	60	105	<5	0.91	<1	17	21	80	3.69	<10	0.86	352	3	0.18	9	560	48	<5	<20	105	0.05	<10	36	10	2	37
17	111914	<0.2	2.53	45	80	10	1.60	<1	9	37	13	2.77	<10	1.08	451	1	0.21	8	800	60	10	<20	162	0.07	<10	63	<10	5	48
18	111915	3.0	2.02	105	45	10	2.73	<1	10	61	11	3.05	<10	1.18	868	5	0.09	7	1120	158	10	<20	156	0.01	<10	62	<10	4	144
19	111916	1.2	2.69	95	55	10	3.40	<1	20	60	7	3.54	<10	1.53	1149	3	0.13	16	1050	134	10	<20	237	<0.01	<10	76	<10	2	139
20	111917	0.4	1.12	45	45	5	2.65	<1	10	52	14	2.00	<10	0.77	712	3	0.04	15	1080	106	10	<20	152	<0.01	<10	59	<10	3	85

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-370														ECO-TECH LABORATORIES LTD.				
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	111918	0.6	1.20	95	30	5	2.24	<1	13	55	13	2.41	<10	0.82	787	3	0.05	20	1070	96	10	<20	113	0.02	<10	69	<10	3	67
22	111919	0.6	1.68	55	45	10	2.91	<1	12	54	19	3.40	<10	1.17	993	3	0.04	19	1140	134	10	<20	144	0.03	<10	81	<10	2	95
23	111920	0.8	1.89	70	40	<5	5.01	<1	18	53	31	3.41	<10	1.54	1409	3	0.04	23	1040	120	10	<20	253	0.03	<10	81	<10	1	90
24	111921	0.8	1.15	20	50	<5	2.83	4	10	52	66	3.09	<10	0.77	710	3	0.04	16	1040	78	5	<20	164	0.01	<10	59	<10	1	335
25	111922	0.6	1.59	20	50	<5	3.06	8	13	59	92	5.19	<10	1.07	927	4	0.04	17	960	64	<5	<20	163	0.02	<10	70	<10	<1	662
26	111923	0.4	1.45	20	35	<5	3.22	1	13	77	99	4.28	<10	1.10	809	2	0.04	21	1090	66	5	<20	121	0.06	<10	80	<10	<1	109
27	111924	<0.2	0.98	25	35	<5	2.60	<1	12	94	58	3.21	<10	0.80	637	3	0.05	19	1060	44	<5	<20	99	0.07	<10	80	<10	2	50
28	111925	1.6	1.29	490	55	<5	2.51	17	21	80	69	3.71	<10	0.94	794	6	0.01	15	990	90	65	<20	82	<0.01	<10	57	<10	<1	2001
29	111926	2.8	2.03	170	60	<5	0.94	3	34	87	239	4.23	<10	1.54	754	7	0.01	24	1180	124	35	<20	23	<0.01	<10	83	<10	1	378
30	111927	0.6	1.54	150	105	<5	1.78	<1	12	73	56	3.28	<10	1.02	763	7	0.01	17	1170	80	40	<20	39	<0.01	<10	73	<10	3	161
31	111928	1.2	1.54	40	110	<5	5.12	1	12	70	172	2.92	<10	1.12	1073	3	0.03	14	1120	64	10	<20	237	<0.01	<10	77	<10	3	223
32	111929	0.6	1.80	45	110	<5	5.56	1	12	73	22	2.86	<10	1.43	1117	4	0.02	11	1170	76	10	<20	293	<0.01	<10	65	<10	3	224
33	111930	3.2	2.11	85	80	<5	4.64	5	9	71	168	3.54	<10	1.65	1279	3	0.01	10	990	110	15	<20	186	<0.01	<10	61	<10	3	519
34	111931	1.4	2.22	75	95	<5	6.06	5	6	57	89	4.52	<10	2.11	1300	4	0.02	10	690	128	5	<20	198	<0.01	<10	39	<10	<1	598
35	111932	1.8	2.63	70	105	10	7.46	7	6	55	44	3.82	<10	2.66	1562	4	0.03	5	730	116	15	<20	240	<0.01	<10	49	<10	2	486
36	111933	1.2	1.79	180	70	5	3.46	12	9	58	53	3.48	<10	1.28	954	3	0.02	15	1000	74	15	<20	124	<0.01	<10	50	<10	2	803
37	111934	<0.2	1.06	95	60	<5	2.49	<1	10	71	11	3.40	<10	0.87	538	2	0.05	15	980	40	5	<20	123	0.04	<10	69	<10	1	46
38	111935	<0.2	1.60	140	50	10	2.75	<1	11	78	4	4.30	<10	1.40	833	6	0.05	17	980	48	10	<20	141	<0.01	<10	87	<10	<1	75
39	111936	<0.2	2.37	95	45	10	2.07	1	23	41	30	5.34	<10	1.62	1178	2	0.10	5	1130	40	<5	<20	106	0.14	<10	125	<10	2	232
40	111937	4.4	1.82	260	40	<5	2.31	66	20	73	161	5.84	<10	1.26	1171	2	0.02	13	1010	992	<5	<20	52	0.03	<10	55	<10	<1	5863
41	111938	3.6	2.14	1355	60	10	2.47	16	14	60	63	3.86	<10	1.30	1143	1	0.05	16	1120	850	15	<20	86	0.03	<10	64	<10	<1	2189
42	111939	4.4	1.56	210	60	10	1.71	14	8	77	76	4.69	<10	1.17	809	2	0.03	14	1210	774	10	<20	54	0.05	<10	66	<10	2	1503
43	111940	7.0	1.47	2525	50	<5	2.36	5	34	85	285	4.80	<10	1.18	773	6	0.03	16	1220	550	30	<20	90	0.03	<10	74	<10	<1	1940
44	111941	>30	1.79	8910	45	310	1.13	<1	11	55	1085	7.44	<10	0.96	1175	4	<0.01	11	1360	9500	265	<20	40	0.01	<10	48	<10	<1	3521
45	111942	1.6	1.69	135	100	5	2.59	8	9	80	40	3.62	<10	1.31	1138	2	0.02	9	1130	234	10	<20	73	0.06	<10	81	<10	<1	783
46	111943	0.4	2.58	110	75	15	3.07	45	20	28	48	7.34	<10	1.79	1391	<1	0.09	<1	1120	150	<5	<20	131	0.12	<10	142	<10	<1	3920
47	111944	<0.2	2.94	60	85	20	3.44	<1	23	18	9	7.34	<10	1.96	1339	2	0.15	<1	1240	36	<5	<20	174	0.16	<10	177	<10	6	100
48	111945	3.4	2.06	5170	45	10	2.38	<1	23	35	91	6.77	<10	1.36	1180	6	0.03	5	1180	502	10	<20	81	0.02	<10	102	<10	5	1996
49	111946	1.0	1.29	380	35	<5	2.32	<1	9	94	57	3.09	<10	1.03	766	3	0.04	13	1130	228	15	<20	76	0.06	<10	78	<10	3	285
50	111947	>30	1.59	8025	45	<5	1.98	200	11	56	1747	7.24	<10	0.98	1258	<1	0.01	16	1160	7270	80	<20	71	<0.01	<10	40	<10	<1	>10000
51	111948	>30	1.05	>10000	40	40	0.64	13	12	62	1716	>10	<10	0.50	742	12	<0.01	16	1040	>10000	75	<20	12	<0.01	<10	21	<10	<1	7193
52	111949	11.2	2.03	5345	40	<5	1.06	<1	11	65	241	8.68	<10	1.30	1431	8	<0.01	19	1290	1296	<5	<20	27	<0.01	<10	46	<10	<1	1392
53	111950	1.8	2.04	395	45	10	3.47	3	12	69	47	4.20	<10	1.70	1559	2	0.02	11	1320	170	10	<20	123	0.05	<10	105	<10	2	637
54	111951	1.0	0.96	50	40	<5	1.18	3	9	86	225	2.02	<10	0.76	467	<1	0.06	11	1200	48	10	<20	50	0.16	<10	54	<10	5	287
55	111952	<0.2	0.79	30	35	<5	1.31	3	8	60	55	1.56	<10	0.70	418	<1	0.06	9	1240	82	5	<20	47	0.15	<10	37	<10	5	371

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-370														ECO-TECH LABORATORIES LTD.				
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
56	111953	<0.2	0.79	90	25	<5	1.26	2	8	71	81	1.93	<10	0.69	424	<1	0.05	12	1150	100	10	<20	37	0.13	<10	39	<10	3	243
57	111954	<0.2	0.85	80	35	5	1.62	1	10	59	33	1.91	<10	0.73	597	<1	0.06	9	1250	36	10	<20	45	0.12	<10	44	<10	4	233
58	111955	4.4	1.15	135	30	<5	1.43	9	11	57	240	3.18	<10	0.94	715	<1	0.03	12	1270	1084	15	<20	34	0.10	<10	67	<10	1	923
59	111996	18.0	5.99	>10000	70	<5	4.16	<1	31	95	415	8.17	<10	1.45	1176	4	0.25	14	2500	2142	280	<20	312	0.14	<10	202	<10	<1	393
60	111997	1.6	3.68	235	45	<5	2.37	2	28	56	202	5.73	<10	1.21	987	2	0.40	11	1700	252	<5	<20	164	0.10	<10	131	<10	3	338
61	111998	1.0	2.52	50	35	<5	1.51	2	23	104	167	5.92	<10	1.09	816	5	0.26	11	1680	150	<5	<20	82	0.11	<10	142	<10	5	249
62	111999	2.2	1.69	165	30	<5	1.82	15	11	53	79	3.39	<10	0.50	613	3	0.19	6	1300	326	10	<20	71	0.04	<10	54	<10	3	1500
63	112000	1.6	1.64	285	30	<5	1.44	<1	10	79	49	2.71	<10	0.68	616	2	0.17	9	1160	208	15	<20	69	0.04	<10	54	<10	3	281
64	112001	1.0	1.79	180	30	5	1.23	<1	15	96	54	3.17	<10	0.65	552	4	0.19	9	1500	182	10	<20	66	0.06	<10	92	<10	4	164
65	112002	1.0	1.87	110	35	<5	1.26	<1	14	74	62	3.29	<10	0.66	500	1	0.23	8	1190	204	10	<20	88	0.06	<10	78	<10	3	123
66	112003	0.8	1.82	185	45	<5	1.27	<1	36	64	215	6.40	<10	1.05	665	3	0.16	11	2120	140	<5	<20	54	0.12	<10	179	<10	6	129
67	112004	0.8	2.66	>10000	50	<5	2.80	<1	31	37	175	6.07	<10	1.13	1043	5	0.26	9	2350	146	15	<20	122	0.05	<10	139	<10	<1	123
68	112005	0.8	3.00	>10000	25	<5	3.02	<1	26	76	85	4.73	<10	1.51	1236	6	0.24	8	1060	116	20	<20	144	0.03	<10	76	<10	<1	94
69	112006	0.4	1.82	1050	45	<5	1.60	<1	45	61	186	6.12	<10	0.95	714	3	0.18	16	1370	90	<5	<20	79	0.09	<10	103	<10	1	74
70	112007	0.4	2.07	340	50	<5	1.87	<1	38	40	217	6.20	<10	0.93	802	1	0.16	8	2210	96	<5	<20	79	0.11	<10	137	<10	<1	98
71	112008	0.8	2.59	1790	60	<5	2.80	<1	188	71	125	6.80	<10	0.92	1018	6	0.28	10	2480	144	<5	<20	164	0.09	<10	136	<10	<1	530
72	112009	2.4	3.25	1090	60	5	3.20	3	109	41	138	6.34	<10	1.04	1105	6	0.33	8	2150	430	15	<20	236	0.11	<10	121	<10	<1	915
73	112010	4.2	3.20	65	60	<5	3.54	6	39	35	419	6.95	<10	1.24	1283	2	0.33	8	2080	548	<5	<20	181	0.11	<10	155	<10	<1	663
74	112011	4.0	1.89	3115	45	10	3.93	<1	18	40	119	4.60	<10	1.20	1120	2	0.13	7	1570	228	15	<20	147	0.06	<10	118	<10	<1	342
75	112012	<0.2	2.75	435	50	15	5.29	<1	30	30	57	6.87	<10	1.77	1529	3	0.21	6	2140	64	10	<20	244	0.12	<10	188	<10	<1	94
76	112013	<0.2	3.19	340	55	5	5.27	<1	29	45	65	5.60	<10	1.59	1378	2	0.30	4	2200	66	<5	<20	281	0.13	<10	177	<10	2	319
77	112014	<0.2	2.63	525	35	10	4.28	<1	22	41	51	5.83	<10	1.72	1348	4	0.12	7	1970	86	5	<20	141	0.08	<10	146	<10	<1	383
78	112015	<0.2	2.05	425	50	15	3.16	<1	20	41	60	4.56	<10	1.14	909	2	0.08	5	2060	76	<5	<20	102	0.10	<10	107	<10	3	77
79	112016	<0.2	1.53	525	40	<5	3.30	<1	33	56	129	6.34	<10	1.11	1061	3	0.05	7	1830	46	<5	<20	112	0.10	<10	142	<10	<1	70
80	112017	<0.2	1.61	820	35	<5	3.53	<1	29	45	178	6.02	<10	1.22	978	4	0.07	12	1700	50	<5	<20	133	0.10	<10	132	<10	1	65
81	112018	0.4	2.05	865	35	<5	4.80	<1	25	33	222	5.90	<10	1.57	1234	2	0.08	11	1760	62	5	<20	169	0.10	<10	136	<10	1	73
82	112019	0.6	1.57	825	35	<5	4.07	<1	24	64	236	5.85	<10	1.36	1143	3	0.05	12	2060	54	10	<20	162	0.10	<10	143	10	<1	82
83	112020	<0.2	2.08	5480	25	<5	6.36	<1	21	60	100	6.06	<10	2.17	1437	3	0.04	10	2160	74	10	<20	202	0.07	<10	152	20	<1	71
84	112021	<0.2	1.89	4840	35	10	4.39	<1	23	70	74	6.28	<10	1.59	1059	4	0.05	15	1830	78	5	<20	146	0.06	<10	128	<10	<1	77
85	112022	<0.2	1.96	120	35	10	6.30	<1	17	49	93	5.16	<10	1.91	1359	3	0.04	10	1720	44	<5	<20	246	0.07	<10	149	<10	3	59
86	112023	<0.2	1.69	865	30	<5	5.34	<1	21	47	110	4.97	<10	1.74	1183	2	0.05	12	1780	34	15	<20	200	0.08	<10	139	<10	<1	47
87	112024	<0.2	1.29	1960	45	<5	3.48	<1	21	72	75	4.13	<10	1.20	765	2	0.06	15	1830	36	15	<20	137	0.11	<10	102	<10	3	46
88	112025	<0.2	1.13	1005	30	5	3.07	<1	20	36	62	3.65	<10	1.02	825	<1	0.05	13	1790	30	10	<20	112	0.11	<10	89	<10	3	49
89	112026	<0.2	1.37	710	40	<5	2.21	<1	24	49	60	3.95	<10	1.12	666	1	0.07	13	1740	22	5	<20	103	0.13	<10	79	<10	2	54
90	112027	<0.2	1.70	95	45	<5	2.46	<1	23	42	71	4.49	<10	1.46	704	<1	0.05	12	1670	20	<5	<20	124	0.13	<10	112	<10	1	65
XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-370														ECO-TECH LABORATORIES LTD.				

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
91	112028	<0.2	2.11	100	45	5	2.94	<1	24	44	88	5.18	<10	1.66	801	<1	0.08	12	1860	22	<5	<20	152	0.15	<10	120	<10	2	61
92	112029	<0.2	1.66	50	35	5	2.77	<1	22	55	66	4.31	<10	1.38	751	<1	0.06	12	1590	20	5	<20	123	0.15	<10	114	<10	3	56
93	112030	<0.2	1.78	100	35	10	2.87	<1	23	86	82	4.92	<10	1.34	874	4	0.04	16	1310	36	<5	<20	113	0.08	<10	120	<10	1	72
94	112031	<0.2	1.70	45	40	<5	2.62	<1	15	80	36	3.69	<10	1.18	710	2	0.05	16	1440	32	10	<20	136	0.05	<10	107	<10	4	56
95	112032	<0.2	2.73	30	65	10	>10	<1	13	50	13	4.05	<10	2.92	2319	3	0.04	11	1580	88	20	<20	422	0.05	<10	96	<10	4	109
96	112033	0.4	1.89	30	35	10	3.50	<1	12	36	9	3.78	<10	1.06	926	3	0.03	14	1780	96	5	<20	182	<0.01	<10	70	<10	6	104
97	112034	4.4	2.44	25	35	20	5.07	3	11	54	27	4.07	<10	1.68	1789	4	0.07	11	1680	124	5	<20	229	0.02	<10	93	<10	4	290
98	112035	<0.2	1.58	35	45	<5	2.68	<1	17	64	85	3.29	<10	1.35	667	<1	0.09	14	1860	26	15	<20	143	0.14	<10	93	<10	4	59
99	112036	<0.2	0.99	25	40	<5	1.85	<1	16	43	87	2.17	<10	0.76	386	<1	0.08	11	1680	20	5	<20	98	0.15	<10	58	<10	5	37
100	112037	<0.2	1.91	20	40	10	3.65	<1	17	57	49	4.01	<10	1.52	906	<1	0.07	16	1650	36	15	<20	187	0.12	<10	113	<10	4	79
101	112038	2.4	2.62	35	40	10	4.11	10	15	46	51	5.17	<10	1.98	1313	3	0.03	13	1580	146	5	<20	211	0.03	<10	106	<10	2	879
102	112039	16.4	2.87	1770	50	30	3.83	89	19	43	240	6.65	<10	2.05	1279	<1	0.08	13	1820	2136	<5	<20	205	0.07	<10	145	<10	<1	8238
103	112040	<0.2	1.95	30	40	<5	4.45	<1	17	63	77	4.27	<10	1.83	1038	4	0.05	12	1920	56	15	<20	220	0.05	<10	146	<10	5	91
104	112041	0.2	2.05	50	45	<5	5.09	<1	28	69	173	4.55	<10	1.86	1254	3	0.04	16	1980	80	10	<20	230	0.06	<10	144	<10	5	93
105	112042	>30	1.89	>10000	55	<5	2.59	338	49	63	1345	8.76	<10	1.11	1168	<1	0.04	14	1410	>10000	35	<20	115	0.02	<10	88	<10	<1	>10000
106	112043	<0.2	1.21	105	35	<5	2.90	<1	20	69	92	2.95	<10	1.11	917	3	0.04	15	900	82	15	<20	106	0.05	<10	83	<10	<1	139
107	112044	>30	1.59	2990	45	<5	2.20	76	19	73	581	4.35	<10	1.18	879	<1	0.05	14	890	>10000	30	<20	102	0.02	<10	62	<10	<1	8166
108	112045	0.2	0.82	135	30	<5	2.51	1	16	62	96	2.56	<10	0.82	619	1	0.05	16	830	82	<5	<20	170	0.05	<10	64	<10	2	174
109	112046	0.2	1.05	165	30	<5	2.95	2	14	78	91	2.67	<10	1.05	784	3	0.06	16	920	64	10	<20	197	0.04	<10	71	<10	2	260
110	112047	0.4	1.53	235	40	<5	3.99	1	13	62	76	3.48	<10	1.47	1156	3	0.05	15	880	48	10	<20	228	<0.01	<10	84	<10	<1	248
111	112048	0.8	1.45	1725	45	<5	3.56	<1	21	71	116	3.18	<10	1.27	1075	4	0.02	14	1050	120	10	<20	162	<0.01	<10	67	<10	1	137
112	112049	<0.2	1.28	290	50	<5	3.78	<1	8	72	40	2.66	<10	1.34	948	2	0.03	12	1080	40	15	<20	203	0.03	<10	89	<10	2	119
113	112050	1.0	1.45	215	40	5	3.53	23	8	90	52	3.29	<10	1.45	1003	2	0.03	14	1050	132	10	<20	247	<0.01	<10	91	<10	<1	2061
114	112051	1.6	1.63	395	55	<5	3.67	<1	17	83	523	3.53	<10	1.58	1050	4	0.04	20	1150	34	10	<20	240	0.03	<10	101	<10	1	239
115	112052	<0.2	1.47	255	50	5	3.34	<1	12	106	37	2.88	<10	1.61	800	<1	0.05	15	1140	22	10	<20	289	0.10	<10	99	<10	3	49
116	112053	<0.2	1.81	605	25	10	4.82	<1	10	85	29	3.18	<10	2.11	1010	3	0.04	15	1080	40	15	<20	372	0.04	<10	106	<10	2	79
117	112054	<0.2	1.41	440	35	<5	3.53	<1	10	88	7	2.52	<10	1.50	751	1	0.04	15	1110	26	15	<20	278	0.03	<10	97	<10	2	51
118	112055	<0.2	1.60	720	35	5	4.19	<1	11	81	11	2.85	<10	1.77	805	2	0.04	17	1120	24	15	<20	273	0.01	<10	107	<10	2	142
119	112056	<0.2	1.21	100	65	10	2.25	<1	10	72	8	2.23	<10	1.24	508	<1	0.05	15	1100	12	15	<20	155	0.09	<10	67	<10	2	43
120	112057	0.2	1.51	90	40	10	3.56	<1	9	84	31	2.73	<10	1.59	697	3	0.04	14	1130	54	15	<20	213	0.06	<10	86	<10	2	78
121	112058	1.0	1.87	235	50	<5	3.06	<1	11	88	208	3.43	<10	1.84	825	3	0.06	16	1150	70	10	<20	194	0.03	<10	113	<10	2	201
122	112059	<0.2	1.45	20	40	5	3.41	<1	10	92	29	2.74	<10	1.63	673	3	0.04	12	1040	18	15	<20	187	0.07	<10	136	<10	2	59
123	112060	<0.2	1.38	220	40	<5	2.46	<1	11	91	70	3.19	<10	1.24	689	3	0.04	15	1010	58	<5	<20	153	<0.01	<10	138	<10	<1	101
124	112061	<0.2	1.34	235	30	<5	3.74	<1	12	90	40	3.01	<10	1.46	810	5	0.03	16	1070	28	15	<20	287	<0.01	<10	118	<10	2	56
125	112062	0.4	1.38	60	25	<5	2.97	<1	12	101	75	3.23	<10	1.37	805	6	0.04	14	1070	60	10	<20	194	<0.01	<10	118	<10	1	89

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-370														ECO-TECH LABORATORIES LTD.				
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
126	112063	<0.2	1.23	20	35	<5	3.10	<1	13	121	52	3.52	<10	1.22	794	3	0.05	17	1080	42	<5	<20	243	0.01	<10	109	<10	2	59
127	112064	<0.2	1.36	140	25	<5	3.62	<1	13	86	80	3.30	<10	1.41	899	5	0.04	15	1040	38	10	<20	220	<0.01	<10	98	<10	1	162
128	112065	<0.2	1.84	120	35	<5	2.62	<1	17	76	60	4.09	<10	1.74	898	4	0.05	16	1100	30	10	<20	154	<0.01	<10	105	<10	<1	105
129	112066	0.4	1.78	190	25	<5	5.76	<1	12	75	141	3.34	<10	2.01	982	4	0.05	15	1020	34	15	<20	314	<0.01	<10	82	<10	2	112
130	111988	2.4	3.50	1555	60	10	2.09	<1	20	69	119	5.21	<10	1.16	546	1	0.42	11	1370	546	155	<20	160	0.09	<10	104	<10	4	361
131	111989	1.2	4.31	250	35	<5	2.59	<1	18	77	76	3.90	<10	1.26	735	4	0.47	10	1100	494	160	<20	162	0.09	<10	90	<10	2	214
132	111990	6.4	4.16	7805	60	<5	3.17	<1	23	97	380	9.35	<10	1.10	795	8	0.20	13	1110	636	60	<20	159	0.07	<10	73	<10	<1	1521
133	111991	6.0	4.87	1405	80	<5	3.25	<1	38	98	459	6.76	<10	1.28	823	3	0.15	15	2000	1250	15	<20	202	0.16	<10	183	<10	2	311
134	111992	>30	5.47	3870	80	55	4.04	<1	30	66	1082	7.23	<10	1.25	1007	<1	0.14	15	2270	9922	1195	<20	250	0.17	<10	144	<10	<1	441
135	111993	5.6	6.09	430	110	<5	4.11	12	23	91	472	7.06	<10	1.55	944	<1	0.20	14	2360	834	170	<20	301	0.27	<10	211	<10	3	1229
136	111994	8.8	6.90	775	80	<5	4.32	18	29	133	513	8.19	<10	2.29	1297	<1	0.24	15	2460	1054	155	<20	315	0.31	<10	209	<10	5	2034
137	111995	14.6	5.70	6635	65	<5	3.95	<1	43	98	364	7.81	<10	1.86	1261	<1	0.20	18	2400	1874	135	<20	280	0.19	<10	201	<10	<1	1393
QC DATA:																													
Resplit:																													
1	111898	<0.2	1.51	1240	45	10	0.99	<1	18	49	32	3.79	<10	0.63	506	4	0.15	7	950	54	<5	<20	55	0.05	<10	55	<10	1	55
36	111933	1.4	1.73	190	70	5	3.34	11	9	71	51	3.47	<10	1.21	928	4	0.02	15	1050	80	10	<20	112	<0.01	<10	50	<10	2	806
71	112008	0.4	2.48	1745	55	<5	2.65	<1	176	61	117	6.72	<10	0.96	976	5	0.27	10	2320	128	<5	<20	152	0.08	<10	132	<10	<1	520
106	112043	0.4	1.25	115	40	<5	3.02	<1	25	65	102	3.26	<10	1.20	1014	1	0.06	16	940	86	15	<20	112	0.06	<10	91	<10	1	150
Repeat:																													
1	111898	<0.2	1.51	1210	40	5	0.94	<1	17	45	31	3.78	<10	0.63	498	4	0.15	7	930	50	<5	<20	54	0.04	<10	55	<10	1	51
10	111907	0.6	1.79	1575	45	10	0.91	<1	12	48	24	4.22	<10	1.04	913	4	0.11	6	1170	216	10	<20	73	0.05	<10	68	<10	<1	1038
19	111916	1.0	2.70	90	55	15	3.47	<1	20	62	7	3.60	<10	1.56	1167	4	0.13	18	1080	138	10	<20	240	<0.01	<10	77	<10	2	139
36	111933	1.2	1.66	185	60	<5	3.24	11	9	53	50	3.25	<10	1.17	888	3	0.02	14	960	82	10	<20	113	<0.01	<10	46	<10	2	765
45	111942	1.8	1.82	145	100	10	2.81	8	10	90	43	3.93	<10	1.40	1228	3	0.02	10	1240	246	10	<20	74	0.06	<10	87	<10	<1	855
54	111951	1.2	0.94	50	40	<5	1.17	3	9	87	221	2.03	<10	0.75	463	<1	0.06	11	1250	48	5	<20	50	0.16	<10	53	<10	4	295
71	112008	0.6	2.55	1765	55	5	2.78	<1	187	72	124	6.81	<10	0.92	1016	8	0.28	11	2570	158	5	<20	153	0.08	<10	135	<10	<1	546
80	112017	<0.2	1.52	760	35	<5	3.27	<1	25	42	171	5.89	<10	1.21	911	4	0.07	13	1620	40	<5	<20	128	0.09	<10	125	<10	<1	58
89	112026	<0.2	1.41	720	45	<5	2.26	<1	23	49	62	4.04	<10	1.14	686	1	0.07	14	1800	24	<5	<20	105	0.12	<10	80	<10	2	58
106	112043	0.4	1.33	115	35	<5	3.17	<1	22	75	101	3.23	<10	1.22	1007	3	0.05	18	1020	92	15	<20	114	0.06	<10	91	<10	1	150
115	112052	<0.2	1.43	270	55	5	3.25	<1	12	92	36	2.81	<10	1.58	780	<1	0.05	15	1080	20	15	<20	285	0.09	<10	96	<10	2	46
124	112061	<0.2	1.36	240	35	<5	3.74	<1	11	91	43	3.04	<10	1.46	815	4	0.04	15	1040	28	10	<20	287	<0.01	<10	119	<10	2	58
133	111991	6.2	4.70	1445	75	<5	3.18	<1	38	96	447	6.70	<10	1.22	805	3	0.15	17	2040	1310	15	<20	191	0.15	<10	177	<10	2	320

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-370														ECO-TECH LABORATORIES LTD.				
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Standard:																													
GEO'98		1.4	1.79	70	160	<5	1.84	<1	19	66	80	4.18	<10	0.94	684	<1	0.03	24	670	20	<5	<20	58	0.12	<10	78	<10	6	72
GEO'98		1.4	1.73	75	160	<5	1.86	<1	20	62	79	4.22	<10	0.91	687	<1	0.03	24	710	22	<5	<20	57	0.11	<10	77	<10	6	79
GEO'98		1.0	1.75	70	155	<5	1.82	<1	19	66	80	3.96	<10	0.96	672	<1	0.03	25	640	20	<5	<20	56	0.12	<10	78	<10	6	76
GEO'98		1.2	1.73	65	150	<5	1.84	<1	19	64	79	4.00	<10	0.94	676	<1	0.03	25	650	24	<5	<20	53	0.11	<10	77	<10	5	78
																									ECO-TECH LABORATORIES LTD.				
																									Frank J. Pezzotti, A.Sc.T.				
df/370																									B.C. Certified Assayer				
XLS/98																													

29-Jul-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 98-359

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 32
Sample type: Core
PROJECT #: Red Cap
SHIPMENT #: None Given
Samples submitted by: M. Fay

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	111956	1.2	0.92	1795	95	<5	0.07	<1	12	31	54	3.01	<10	0.27	505	3	0.02	14	190	418	<5	<20	11	<0.01	<10	7	<10	<1	1326
2	111957	0.8	1.88	360	100	<5	0.29	<1	21	38	113	4.74	<10	0.68	1269	5	0.04	20	200	132	<5	<20	31	0.01	<10	27	<10	<1	199
3	111958	1.0	2.61	340	80	<5	0.93	<1	18	51	67	4.62	<10	0.89	1114	4	0.15	16	390	166	<5	<20	106	0.02	<10	41	<10	<1	153
4	111959	0.6	2.91	1560	65	<5	0.95	25	24	50	131	6.14	<10	1.34	1029	3	0.15	18	1070	122	5	<20	128	0.09	<10	87	<10	<1	3875
5	111960	<0.2	2.36	2525	70	10	0.53	<1	30	73	72	5.36	<10	1.46	1110	<1	0.11	17	1030	106	10	<20	33	0.20	<10	144	<10	2	194
6	111961	<0.2	1.65	1755	50	10	0.41	<1	27	75	30	5.01	<10	1.13	853	3	0.07	12	890	136	<5	<20	20	0.12	<10	125	<10	2	138
7	111962	<0.2	1.32	235	40	10	0.45	<1	18	86	37	4.56	<10	0.76	673	6	0.07	10	1000	170	<5	<20	25	0.06	<10	113	<10	2	115
8	111963	<0.2	2.82	270	60	15	1.22	<1	21	89	42	6.52	<10	1.21	777	4	0.25	14	1350	138	<5	<20	91	0.14	<10	126	<10	2	115
9	111964	0.8	3.39	1640	85	<5	1.89	<1	20	77	54	4.59	<10	1.24	543	3	0.38	11	1550	152	<5	<20	249	0.12	<10	108	<10	4	90
10	111965	0.8	4.35	3085	85	<5	2.12	<1	30	100	105	6.75	<10	1.86	775	<1	0.42	12	1650	182	5	<20	239	0.28	<10	160	<10	4	116
11	111966	1.4	5.12	3260	75	<5	2.54	<1	51	146	236	9.54	<10	2.22	747	4	0.56	21	2360	216	<5	<20	288	0.35	<10	234	<10	8	125
12	111967	1.2	5.23	4500	100	10	2.65	<1	27	123	93	6.65	<10	2.44	831	<1	0.55	15	2170	266	5	<20	309	0.35	<10	223	<10	5	125
13	111968	0.6	3.92	>10000	95	<5	1.80	<1	23	78	48	5.74	<10	2.11	779	<1	0.38	14	1390	246	20	<20	191	0.19	<10	174	<10	4	95
14	111969	0.8	2.65	2510	85	10	1.30	<1	21	75	63	5.08	<10	1.65	690	<1	0.27	13	1770	220	15	<20	117	0.28	<10	182	<10	7	88
15	111970	0.8	2.32	4030	55	5	1.38	<1	35	110	99	6.01	<10	1.45	612	2	0.25	23	1590	396	15	<20	127	0.20	<10	187	<10	2	94
16	111971	4.2	2.71	>10000	70	15	1.42	<1	30	94	78	6.72	<10	1.66	665	2	0.32	17	1810	1114	30	<20	164	0.18	<10	171	<10	<1	107
17	111972	1.6	2.45	>10000	60	5	1.34	<1	21	68	84	6.23	<10	1.37	552	3	0.30	11	1460	448	20	<20	149	0.15	<10	163	<10	<1	93
18	111973	0.2	2.22	>10000	60	5	1.14	<1	27	87	112	6.91	<10	1.45	562	3	0.23	16	1550	258	15	<20	97	0.15	<10	178	<10	1	93
19	111974	0.6	2.15	9270	65	5	1.35	<1	15	80	66	4.62	<10	1.08	488	2	0.28	11	1480	286	20	<20	113	0.13	<10	101	<10	<1	80
20	111975	0.2	2.01	1075	65	5	1.31	<1	20	83	93	4.58	<10	0.91	405	2	0.26	11	1630	234	15	<20	109	0.14	<10	123	<10	3	70

XPLORER GOLD CORPORATION — ICP CERTIFICATE OF ANALYSIS AK 98-359 — ECO-TECH LABORATORIES LTD.

Et #	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	111976	0.8	2.26	640	60	<5	2.05	<1	26	57	130	5.56	<10	1.05	520	3	0.28	10	1660	390	20	<20	149	0.12	<10	121	<10	2	80
22	111977	0.8	1.36	685	50	<5	1.78	<1	27	54	135	5.57	<10	0.93	539	4	0.08	10	1510	528	25	<20	77	0.09	<10	115	<10	4	70
23	111978	1.6	3.79	4240	80	<5	2.54	<1	28	75	140	6.38	<10	1.67	628	1	0.46	20	2000	1006	40	<20	228	0.18	<10	147	<10	2	148
24	111979	2.2	5.20	9515	95	10	3.08	<1	29	72	104	6.51	<10	1.72	632	<1	0.52	12	1670	3012	320	<20	423	0.18	<10	137	<10	<1	1632
25	111980	<0.2	2.46	1915	65	<5	1.74	<1	33	67	129	6.31	<10	1.38	769	3	0.24	9	1680	272	45	<20	109	0.13	<10	131	<10	3	128
26	111981	0.8	2.27	2635	40	<5	2.36	<1	42	51	152	6.80	<10	1.17	824	5	0.22	10	1660	566	175	<20	99	0.07	<10	100	<10	2	1432
27	111982	1.4	3.12	1310	25	<5	2.35	<1	28	54	147	6.44	<10	1.31	741	5	0.36	9	1750	926	425	<20	123	0.09	<10	107	<10	3	859
28	111983	2.2	2.01	1060	40	<5	1.28	<1	28	61	143	6.28	<10	1.16	628	5	0.18	9	1640	1208	725	<20	65	0.09	<10	108	<10	3	188
29	111984	4.4	3.15	>10000	40	<5	2.00	<1	33	82	108	7.08	<10	1.62	681	7	0.30	12	1540	1192	475	<20	143	0.06	<10	125	<10	1	268
30	111985	3.6	2.61	2645	65	<5	1.36	<1	26	75	115	6.05	<10	1.42	588	4	0.25	10	1580	606	185	<20	101	0.12	<10	131	<10	3	615
31	111986	3.0	2.65	2765	65	<5	1.42	<1	25	62	114	5.90	<10	1.37	562	3	0.27	10	1550	616	180	<20	107	0.12	<10	131	<10	2	575
32	111987	2.2	3.29	5820	55	<5	2.25	<1	22	60	84	5.67	<10	1.05	496	3	0.37	12	1620	368	75	<20	151	0.07	<10	116	<10	3	310
QC DATA:																													
Resplit:																													
1	111956	1.4	0.98	1900	100	<5	0.07	<1	12	34	53	3.07	<10	0.27	533	3	0.03	15	200	420	<5	<20	9	<0.01	<10	8	<10	<1	1403
Repeat:																													
1	111956	1.4	0.95	1880	95	<5	0.07	<1	12	32	52	3.03	<10	0.27	507	3	0.02	14	200	426	<5	<20	10	<0.01	<10	7	<10	<1	1340
10	111965	0.8	4.44	3240	80	10	2.19	<1	31	102	102	6.84	<10	1.86	776	<1	0.45	13	1720	188	<5	<20	243	0.29	<10	160	<10	4	114
19	111974	0.8	2.16	9290	65	<5	1.40	<1	17	81	65	4.74	<10	1.08	498	2	0.28	11	1520	304	20	<20	112	0.13	<10	102	<10	<1	87
Standard:																													
GEO'98		1.2	1.73	75	160	<5	1.77	<1	20	60	81	4.19	<10	0.94	704	<1	0.03	22	690	20	5	<20	55	0.12	<10	78	<10	6	76

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/359
XLS/98

7-Aug-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 98-387

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGUINSON

No. of samples received: 72
Sample type: Core
PROJECT #: RED CAP
SHIPMENT #: None Given
Samples submitted by: M. Fay

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	112067	0.4	1.14	65	40	<5	2.19	<1	13	103	66	3.33	<10	1.13	680	4	0.04	15	1190	46	<5	<20	151	<0.01	<10	97	<10	2	46
2	112068	0.4	1.39	85	30	<5	2.83	<1	17	91	64	3.73	<10	1.33	827	7	0.04	19	1120	66	<5	<20	173	<0.01	<10	100	<10	<1	66
3	112069	0.4	1.61	115	30	<5	3.14	<1	20	80	75	3.70	<10	1.53	917	4	0.04	20	1160	74	10	<20	134	<0.01	<10	104	<10	<1	121
4	112070	0.4	1.60	125	30	<5	3.30	1	16	80	49	3.44	<10	1.42	967	4	0.04	17	1140	58	10	<20	119	<0.01	<10	91	<10	<1	208
5	112071	0.4	1.70	215	25	<5	3.23	<1	16	64	56	3.86	<10	1.47	1030	4	0.03	16	1170	44	<5	<20	126	<0.01	<10	85	<10	<1	197
6	112072	0.4	1.70	235	25	<5	4.49	<1	12	63	49	3.52	<10	1.58	884	3	0.04	12	1150	28	<5	<20	200	<0.01	<10	88	<10	<1	70
7	112073	<0.2	1.93	90	40	<5	6.51	<1	13	68	28	3.22	<10	2.03	1076	4	0.03	12	1050	18	10	<20	335	<0.01	<10	84	<10	2	158
8	112074	0.8	1.75	240	25	<5	4.02	9	12	48	110	3.59	<10	1.32	892	3	0.01	13	1100	64	10	<20	174	<0.01	<10	52	<10	1	641
9	112075	0.4	1.21	200	45	<5	3.17	<1	18	38	56	3.16	<10	0.92	948	4	0.02	12	1250	56	10	<20	121	<0.01	<10	59	<10	2	154
10	112076	0.4	1.77	105	45	5	5.77	1	18	53	42	4.44	<10	1.35	1341	4	0.05	10	1410	38	<5	<20	262	<0.01	<10	124	<10	2	177
11	112077	2.6	1.78	210	30	10	8.56	5	24	86	86	5.08	<10	1.53	2062	5	0.03	24	1440	200	10	<20	405	<0.01	<10	131	<10	3	507
12	112078	3.8	1.44	725	35	<5	7.96	2	16	79	173	4.95	<10	1.40	2010	5	0.02	23	1400	224	10	<20	369	0.01	<10	98	<10	2	430
13	112079	<0.2	1.99	205	50	<5	7.70	<1	17	101	101	5.17	<10	1.73	1582	4	0.03	31	1450	32	20	<20	327	0.02	<10	127	<10	2	111
14	112080	<0.2	1.91	155	45	10	8.03	<1	32	81	81	4.22	<10	1.83	1466	2	0.03	22	1400	28	15	<20	258	0.05	<10	128	<10	1	138
15	112081	1.0	1.05	675	125	<5	0.31	<1	15	40	23	2.33	<10	0.41	585	4	0.02	13	170	338	<5	<20	22	<0.01	<10	11	<10	<1	143
16	112082	1.6	1.39	1575	85	<5	0.16	<1	17	28	68	4.20	<10	0.58	928	5	0.02	14	250	390	<5	<20	8	<0.01	<10	12	<10	<1	214
17	112083	0.8	2.02	3105	60	10	0.52	12	20	75	56	4.93	<10	0.91	1059	4	0.08	16	870	118	<5	<20	41	0.03	<10	58	<10	1	2216
18	112084	<0.2	2.09	105	65	15	0.55	<1	16	75	27	4.88	<10	1.17	1060	3	0.09	10	970	76	<5	<20	43	0.10	<10	84	<10	3	116
19	112085	<0.2	2.08	1100	60	10	0.70	<1	16	76	28	4.66	<10	1.24	805	3	0.13	10	770	104	<5	<20	44	0.08	<10	65	<10	<1	116
20	112086	<0.2	2.46	2590	65	<5	0.98	9	27	61	87	5.63	<10	1.25	743	1	0.18	15	1110	116	<5	<20	74	0.11	<10	86	<10	1	1774
21	112087	0.6	2.07	295	55	5	0.81	3	21	72	66	4.84	<10	1.23	606	2	0.16	10	1050	196	10	<20	66	0.10	<10	99	<10	2	366
22	112088	<0.2	1.63	210	60	10	0.56	<1	23	80	49	5.50	<10	1.26	591	<1	0.10	12	1190	148	<5	<20	28	0.21	<10	178	<10	4	176
23	112089	<0.2	2.27	2005	65	20	0.81	<1	44	58	90	7.08	<10	1.61	693	<1	0.16	16	1480	108	<5	<20	51	0.26	<10	157	<10	4	110
24	112090	<0.2	2.27	605	50	<5	1.61	<1	21	61	74	5.28	<10	1.58	730	1	0.10	10	1370	118	10	<20	62	0.13	<10	122	<10	4	104
25	112091	0.8	1.72	2540	45	<5	1.07	<1	24	60	118	6.51	<10	1.65	751	3	0.06	9	1770	190	10	<20	35	0.12	<10	149	<10	6	88

XPLORER GOLD CORPORATION — ICP CERTIFICATE OF ANALYSIS AK 98-387 — ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	112092	1.2	2.23	4785	60	10	1.26	<1	24	54	124	6.56	<10	1.84	655	2	0.16	12	1670	132	15	<20	84	0.16	<10	158	<10	7	73
27	112093	1.4	1.92	2455	60	10	0.87	<1	24	69	121	5.91	<10	1.58	520	<1	0.15	9	1700	122	<5	<20	57	0.25	<10	163	<10	7	57
28	112094	2.0	1.51	4675	60	5	0.73	<1	21	46	114	6.03	<10	1.41	424	<1	0.10	10	1820	120	15	<20	39	0.19	<10	151	<10	7	49
29	112095	1.2	1.18	2380	50	<5	0.65	<1	33	61	130	6.35	<10	1.00	392	4	0.07	11	1570	78	<5	<20	24	0.11	<10	146	<10	4	45
30	112096	0.4	2.15	2060	60	<5	1.25	<1	19	80	97	4.88	<10	0.99	353	1	0.27	13	1430	108	10	<20	142	0.11	<10	138	<10	4	46
31	112097	<0.2	1.53	2900	65	10	0.87	<1	14	79	64	3.87	<10	1.11	400	3	0.13	11	1190	120	20	<20	59	0.12	<10	92	<10	5	59
32	112098	<0.2	2.15	>10000	80	<5	1.46	<1	21	74	30	3.14	<10	0.63	260	<1	0.36	13	1110	86	20	<20	186	0.06	<10	64	<10	<1	40
33	112099	<0.2	2.15	5315	85	5	1.41	<1	12	73	50	3.12	<10	0.76	310	4	0.34	13	1360	140	35	<20	170	0.08	<10	84	<10	4	54
34	112100	<0.2	3.00	1330	70	10	2.04	<1	21	87	98	4.93	<10	0.86	332	2	0.45	15	1840	124	15	<20	233	0.11	<10	134	<10	3	54
35	112101	<0.2	3.85	690	75	<5	2.46	<1	28	88	169	7.11	<10	1.32	487	1	0.49	14	2460	144	<5	<20	282	0.19	<10	223	<10	2	82
36	112102	<0.2	3.23	260	60	5	2.63	<1	24	69	144	6.57	<10	1.63	815	2	0.36	11	1700	108	<5	<20	231	0.15	<10	166	<10	2	92
37	112103	<0.2	1.89	430	50	5	1.12	<1	14	66	86	4.04	<10	0.94	415	<1	0.24	10	1210	74	10	<20	88	0.11	<10	98	<10	4	60
38	112104	<0.2	1.84	140	60	<5	1.03	<1	18	83	83	4.19	<10	0.99	405	2	0.21	15	1220	64	10	<20	80	0.13	<10	100	<10	4	56
39	112105	<0.2	2.49	35	60	<5	1.43	<1	15	100	81	3.87	<10	1.02	421	1	0.32	9	1200	54	10	<20	131	0.13	<10	101	<10	4	49
40	112106	<0.2	1.97	20	65	<5	1.20	<1	16	81	87	3.63	<10	1.11	477	<1	0.24	11	1350	46	15	<20	90	0.16	<10	88	<10	4	74
41	112107	<0.2	3.30	55	70	10	2.05	<1	11	94	40	2.98	<10	0.95	395	2	0.40	7	880	60	20	<20	279	0.09	<10	65	<10	2	61
42	112108	<0.2	2.09	70	55	10	1.26	<1	18	73	75	4.21	<10	1.03	467	<1	0.23	13	1170	46	15	<20	127	0.14	<10	104	<10	3	46
43	112109	<0.2	1.98	630	45	10	1.16	<1	14	81	54	4.47	<10	1.26	516	2	0.21	9	910	36	10	<20	105	0.10	<10	83	<10	1	53
44	112110	<0.2	3.65	230	60	5	2.55	<1	35	56	130	6.66	<10	1.60	599	3	0.47	12	2300	46	<5	<20	303	0.13	<10	119	<10	4	73
45	112111	<0.2	4.55	270	75	20	2.58	<1	47	57	67	7.30	<10	2.23	647	<1	0.58	16	2390	60	5	<20	431	0.22	<10	171	<10	5	97
46	112112	<0.2	4.27	195	80	10	2.48	<1	45	59	67	7.28	<10	2.12	628	<1	0.52	16	2430	54	10	<20	390	0.21	<10	163	<10	5	90
47	112113	<0.2	4.29	115	75	15	2.70	<1	34	48	66	6.71	<10	2.03	685	<1	0.54	14	2430	50	10	<20	386	0.21	<10	147	<10	5	86
48	112114	11.2	4.25	100	80	15	2.29	67	44	78	136	9.19	<10	2.68	846	<1	0.46	15	2280	1768	50	<20	313	0.35	<10	213	<10	4	5099
49	112115	<0.2	5.14	265	95	10	4.07	1	36	58	82	8.41	<10	3.14	1369	<1	0.48	13	2440	140	<5	<20	409	0.26	<10	226	<10	8	342
50	112116	2.8	4.24	225	75	5	3.29	15	36	63	129	8.15	<10	1.84	1190	<1	0.37	14	2320	576	<5	<20	326	0.21	<10	163	<10	2	1278
51	112117	<0.2	5.23	335	90	10	3.39	<1	33	49	103	7.33	<10	2.03	1093	<1	0.52	11	2400	290	5	<20	423	0.25	<10	164	<10	4	239
52	112118	6.0	4.71	335	85	10	4.14	10	35	48	195	8.00	<10	1.75	1174	<1	0.48	13	2350	1192	<5	<20	450	0.16	<10	156	<10	2	964
53	112119	1.2	4.20	70	65	<5	3.59	<1	29	45	139	7.02	<10	1.75	1056	3	0.47	13	2430	362	10	<20	395	0.13	<10	140	<10	3	164
54	112120	<0.2	3.99	45	60	10	2.98	<1	31	42	123	6.73	<10	1.95	880	<1	0.46	11	2420	96	5	<20	321	0.15	<10	140	<10	4	119
55	112121	<0.2	3.16	135	65	10	2.13	<1	46	42	84	6.97	<10	1.77	645	<1	0.36	16	2460	70	15	<20	227	0.19	<10	131	<10	4	95
56	112122	<0.2	2.90	80	65	10	1.69	<1	34	43	66	6.83	<10	1.79	621	<1	0.31	12	2370	70	10	<20	182	0.22	<10	140	<10	5	100
57	112123	>30	3.77	1240	55	15	1.83	77	40	57	161	9.54	<10	2.13	721	<1	0.41	10	2280	8808	50	<20	197	0.29	<10	186	<10	<1	7553
58	112124	<0.2	4.11	145	70	15	1.92	<1	33	75	126	8.75	<10	2.43	879	<1	0.45	12	2460	236	10	<20	235	0.33	<10	234	<10	6	250
59	112125	6.6	3.98	805	65	5	2.20	29	38	71	188	8.94	<10	1.75	848	<1	0.46	17	2490	1630	5	<20	238	0.23	<10	172	<10	<1	2891
60	112126	0.6	3.14	90	60	5	2.43	<1	27	39	105	6.54	<10	0.83	551	<1	0.48	14	2540	316	<5	<20	279	0.15	<10	99	<10	3	106

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-387														ECO-TECH LABORATORIES LTD.				
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
61	112127	0.8	2.36	130	60	<5	2.20	<1	32	76	189	6.16	<10	0.95	831	2	0.26	15	2090	358	10	<20	141	0.14	<10	133	<10	4	152
62	112128	3.4	3.09	805	55	5	2.43	29	23	55	173	6.39	<10	1.10	1023	<1	0.36	11	1860	912	<5	<20	151	0.14	<10	119	<10	1	3172
63	112129	0.8	2.79	320	65	10	1.74	3	26	52	67	5.22	<10	1.15	758	<1	0.38	5	1690	488	10	<20	155	0.20	<10	115	<10	3	407
64	112130	0.8	2.87	445	65	10	1.68	11	15	50	51	5.15	<10	1.25	765	<1	0.40	4	1730	438	5	<20	163	0.18	<10	109	<10	3	1181
65	112131	1.6	3.12	215	55	5	2.07	1	21	54	119	5.04	<10	0.99	603	<1	0.47	6	1960	664	<5	<20	184	0.14	<10	159	<10	5	199
66	112132	4.6	3.27	105	45	<5	1.84	9	17	65	219	6.31	<10	1.21	737	2	0.33	10	1580	856	5	<20	119	0.13	<10	114	<10	2	915
67	112133	7.2	3.18	6760	35	<5	2.10	<1	12	59	403	5.26	<10	0.95	564	3	0.30	4	1170	924	20	<20	150	0.06	<10	90	<10	<1	1034
68	112134	7.0	2.48	>10000	45	<5	1.38	32	18	45	1253	9.41	<10	0.80	665	3	0.13	4	1710	730	<5	<20	80	0.06	<10	69	<10	<1	6636
69	112135	25.6	2.50	875	105	<5	2.39	703	24	17	3637	>10	<10	0.71	850	3	0.18	5	480	1106	<5	<20	167	0.05	10	67	<10	<1	>10000
70	112136	22.6	5.01	905	55	10	2.91	73	18	47	509	8.25	<10	1.36	754	<1	0.43	5	1650	2046	10	<20	261	0.14	<10	136	<10	<1	6464
71	112137	2.0	4.89	690	45	10	4.32	<1	24	24	86	4.70	<10	1.05	826	<1	0.28	6	1960	342	10	<20	337	0.13	<10	101	<10	<1	195
72	111651	>30	1.20	>10000	40	<5	0.59	46	83	49	5201	8.72	<10	0.54	711	10	0.01	13	680	3692	225	<20	15	<0.01	<10	27	<10	<1	>10000
QC DATA:																													
Resplit:																													
1	112067	<0.2	1.22	85	35	<5	2.38	<1	14	105	69	3.53	<10	1.21	755	3	0.04	15	1220	54	5	<20	160	<0.01	<10	101	<10	2	52
36	112102	<0.2	3.18	245	60	<5	2.77	<1	24	88	146	6.68	<10	1.67	874	4	0.33	13	1710	122	<5	<20	223	0.14	<10	166	<10	3	109
71	112137	1.8	5.08	740	45	5	4.47	<1	35	22	85	4.78	<10	1.10	859	<1	0.29	6	2130	338	<5	<20	340	0.15	<10	105	<10	1	164
Repeat:																													
1	112067	0.2	1.17	75	40	<5	2.22	<1	14	108	68	3.42	<10	1.15	695	4	0.05	16	1220	50	5	<20	151	<0.01	<10	99	<10	2	49
10	112076	0.2	1.78	105	40	15	5.77	1	18	52	43	4.46	<10	1.36	1353	5	0.05	10	1410	38	<5	<20	264	<0.01	<10	124	<10	3	175
19	112085	<0.2	2.18	1265	60	10	0.73	<1	18	79	29	4.80	<10	1.29	828	2	0.14	10	780	106	<5	<20	47	0.09	<10	67	<10	<1	119
36	112102	<0.2	3.31	265	60	<5	2.69	<1	24	71	148	6.67	<10	1.65	830	2	0.37	11	1740	114	<5	<20	233	0.15	<10	168	<10	2	94
45	112111	<0.2	4.54	255	75	15	2.64	<1	46	59	67	7.34	<10	2.21	650	<1	0.58	17	2420	68	10	<20	434	0.23	<10	171	<10	5	101
54	112120	0.2	4.12	50	65	5	3.10	<1	33	43	127	6.93	<10	2.01	905	<1	0.48	11	2520	106	<5	<20	333	0.16	<10	143	<10	4	127
71	112137	2.0	5.03	725	40	15	4.44	<1	25	25	90	4.81	<10	1.08	852	<1	0.29	7	2080	372	<5	<20	341	0.15	<10	104	<10	1	203
Standard:																													
GEO'98		1.2	1.70	70	155	<5	1.70	<1	19	53	81	4.03	<10	0.93	679	<1	0.03	23	670	36	10	<20	57	0.11	<10	75	<10	4	67
GEO'98		1.0	1.88	65	165	<5	1.82	<1	20	60	85	4.33	<10	0.99	721	<1	0.03	26	710	28	<5	<20	66	0.13	<10	83	<10	4	72
GEO'98		1.2	1.88	75	160	5	1.80	<1	21	59	83	4.26	<10	0.97	703	<1	0.03	24	690	30	<5	<20	66	0.14	<10	83	<10	4	86

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/387
XLS/98

7-Aug-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 98-390

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 76
Sample type: Core
PROJECT #: RED CAP
SHIPMENT #: None Given
Samples submitted by: R. Nichol

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	112138	1.4	4.01	795	45	5	3.09	6	22	44	162	6.62	<10	1.30	963	3	0.37	9	1820	276	<5	<20	257	0.11	<10	111	<10	<1	808
2	112139	25.0	2.87	>10000	60	<5	2.86	<1	24	43	1376	>10	<10	0.97	895	12	0.23	5	1150	802	<5	<20	170	0.03	<10	74	<10	<1	776
3	112140	>30	2.43	1140	60	30	3.71	52	98	11	1057	>10	<10	1.17	944	7	0.04	9	1960	2316	<5	<20	122	0.03	<10	106	<10	<1	4361
4	112141	2.0	3.38	245	55	15	2.95	6	17	31	52	4.76	<10	1.85	966	<1	0.35	4	1630	440	<5	<20	223	0.17	<10	130	<10	3	566
5	112142	0.6	3.20	115	55	25	3.24	13	15	23	33	5.56	<10	2.35	1113	<1	0.22	2	2040	284	<5	<20	166	0.17	<10	167	<10	5	1020
6	112143	13.0	4.15	>10000	45	<5	2.98	26	89	38	367	8.07	<10	1.67	1062	2	0.34	7	1980	1982	<5	<20	190	0.06	<10	137	<10	<1	5486
7	112144	3.6	2.60	95	30	15	3.49	5	14	27	137	4.25	<10	1.44	1657	<1	0.20	2	1590	440	25	<20	183	0.12	<10	121	<10	2	583
8	112145	<0.2	1.82	25	35	15	3.74	<1	14	30	31	4.24	<10	1.58	1157	<1	0.09	3	1700	44	<5	<20	146	0.14	<10	130	<10	3	67
9	112146	<0.2	2.23	30	25	15	3.18	<1	14	17	17	4.79	<10	1.69	1023	<1	0.15	3	1730	40	<5	<20	170	0.15	<10	117	<10	2	95
10	112147	<0.2	1.67	340	40	10	3.35	<1	14	28	47	4.08	<10	1.17	1032	2	0.10	2	1720	38	<5	<20	207	0.12	<10	108	<10	3	61
11	112148	<0.2	1.65	105	35	5	3.32	<1	40	31	69	3.40	<10	0.99	1161	<1	0.09	3	1610	32	5	<20	130	0.12	<10	77	<10	4	63
12	112149	1.8	1.65	155	35	<5	4.02	<1	29	27	435	3.50	<10	1.19	1137	3	0.11	4	1770	36	5	<20	132	0.12	<10	106	<10	4	116
13	112150	<0.2	1.46	20	45	10	2.03	<1	14	29	46	2.94	<10	0.82	497	<1	0.15	1	2100	32	<5	<20	122	0.23	<10	75	<10	6	57
14	112151	<0.2	1.66	20	50	10	1.98	<1	16	26	45	3.74	<10	1.07	615	<1	0.15	3	1850	52	10	<20	121	0.20	<10	86	<10	4	162
15	112152	<0.2	1.30	25	45	15	2.74	<1	12	42	14	2.73	<10	0.85	715	<1	0.10	<1	1660	24	<5	<20	122	0.18	<10	70	<10	5	42
16	112153	<0.2	1.70	20	25	20	2.00	<1	15	23	20	3.60	<10	1.08	579	<1	0.13	2	1870	38	5	<20	117	0.22	<10	83	<10	4	64
17	112154	<0.2	1.66	30	30	5	2.36	<1	15	27	53	3.70	<10	0.87	590	<1	0.15	3	1640	32	<5	<20	123	0.23	<10	73	<10	3	130
18	112155	2.2	1.55	45	15	<5	2.35	<1	33	37	1337	4.43	<10	0.56	451	<1	0.11	6	1310	30	<5	<20	83	0.19	<10	46	<10	2	113
19	112156	<0.2	1.45	95	25	<5	2.63	<1	16	25	107	3.39	<10	0.71	547	<1	0.12	4	1830	38	<5	<20	105	0.22	<10	67	<10	5	47
20	112157	0.4	1.49	485	175	<5	0.19	<1	18	75	20	3.09	<10	0.39	785	3	0.03	37	350	320	<5	<20	17	<0.01	<10	15	<10	<1	149

XPLORER GOLD CORPORATION — ICP CERTIFICATE OF ANALYSIS AK 98-390 — ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
21	112158	1.2	1.72	1055	90	<5	0.49	<1	22	52	42	3.51	<10	0.49	776	4	0.04	26	290	418	<5	<20	41	<0.01	<10	19	<10	<1	160
22	112159	0.8	2.75	285	60	10	1.02	<1	22	40	53	4.93	<10	0.89	990	5	0.18	13	440	120	<5	<20	67	0.02	<10	25	<10	<1	78
23	112160	1.0	3.16	3815	60	<5	1.43	<1	24	48	82	5.34	<10	1.08	942	4	0.27	13	1180	114	<5	<20	108	0.03	<10	52	<10	5	99
24	112161	2.2	3.54	395	55	<5	1.49	<1	24	53	154	6.28	<10	0.94	1011	6	0.28	15	370	184	<5	<20	117	0.02	<10	42	<10	<1	127
25	112162	2.8	3.40	920	50	<5	1.70	<1	21	58	120	5.93	<10	1.17	991	3	0.27	13	1300	362	<5	<20	124	0.08	<10	66	<10	3	356
26	112163	2.0	2.19	2085	35	<5	1.12	<1	18	74	62	4.54	<10	1.27	794	4	0.16	9	1260	204	<5	<20	50	0.04	<10	73	<10	4	372
27	112164	1.6	2.84	6915	40	10	1.25	<1	21	52	68	6.32	<10	1.52	827	5	0.19	12	1960	164	10	<20	81	0.04	<10	112	<10	7	716
28	112165	5.0	3.68	1840	45	5	1.91	21	22	73	123	6.29	<10	1.56	922	1	0.37	9	2270	240	5	<20	116	0.12	<10	158	<10	8	1982
29	112166	4.4	2.45	3040	40	<5	3.15	79	25	30	155	7.28	<10	1.41	974	2	0.11	7	1860	316	<5	<20	88	0.02	<10	98	<10	4	6560
30	112167	1.8	2.24	4510	35	<5	0.98	131	28	68	94	6.04	<10	1.08	579	<1	0.18	10	1070	96	<5	<20	51	0.07	<10	81	<10	<1	>10000
31	112168	1.6	2.40	1345	45	20	0.94	<1	15	72	49	4.90	<10	1.48	544	<1	0.21	7	1430	74	10	<20	44	0.18	<10	113	<10	4	454
32	112169	1.2	2.21	1425	35	10	0.82	<1	24	143	98	6.58	<10	1.44	588	5	0.14	13	1290	34	<5	<20	31	0.15	<10	119	<10	3	408
33	112170	0.2	2.18	6310	30	10	0.93	<1	18	65	42	5.09	<10	1.50	550	2	0.13	10	1250	32	15	<20	36	0.11	<10	130	<10	3	347
34	112171	<0.2	1.90	7790	40	15	0.79	<1	22	48	26	4.60	<10	1.41	585	<1	0.11	9	1030	26	10	<20	26	0.11	<10	119	<10	3	103
35	112172	<0.2	1.84	4780	40	10	0.66	<1	27	64	83	5.72	<10	1.45	571	1	0.08	17	1230	22	5	<20	16	0.14	<10	142	10	3	76
36	112173	0.6	1.92	7710	55	<5	0.84	<1	25	51	71	5.19	<10	1.44	532	<1	0.12	11	1100	38	10	<20	37	0.12	<10	119	<10	3	185
37	112174	<0.2	1.28	965	45	10	0.58	<1	16	54	65	3.86	<10	1.02	493	<1	0.09	6	880	38	20	<20	16	0.14	<10	111	<10	3	91
38	112175	<0.2	1.27	640	50	5	0.67	<1	22	71	121	4.80	<10	1.01	454	1	0.10	10	1070	72	10	<20	19	0.14	<10	118	<10	3	184
39	112176	0.2	1.44	2040	45	5	0.67	<1	28	112	125	5.52	<10	1.20	442	1	0.10	11	1180	60	<5	<20	23	0.16	<10	147	<10	3	140
40	112177	1.8	1.59	1645	45	20	0.88	<1	19	98	64	4.19	<10	1.17	446	1	0.12	8	1620	90	15	<20	25	0.14	<10	162	<10	5	101
41	112178	3.8	2.19	585	65	40	1.56	<1	17	63	58	3.33	<10	1.00	406	<1	0.26	4	2190	290	15	<20	73	0.13	<10	164	<10	9	148
42	112179	0.8	3.07	1850	45	15	1.66	<1	61	84	104	5.76	<10	1.41	583	1	0.36	11	2020	180	15	<20	95	0.18	<10	175	<10	8	352
43	112180	<0.2	3.08	2105	50	15	1.33	<1	53	70	75	6.14	<10	1.60	773	<1	0.28	18	1550	46	10	<20	78	0.19	<10	158	<10	5	131
44	112181	3.8	3.33	2105	55	20	1.80	<1	27	89	53	4.64	<10	1.28	545	1	0.34	10	1440	528	20	<20	130	0.13	<10	145	<10	4	538
45	112182	<0.2	2.15	970	60	5	1.27	<1	15	79	32	4.23	<10	1.18	539	<1	0.23	8	1960	28	<5	<20	58	0.13	<10	137	<10	7	71
46	112183	<0.2	1.78	1015	55	10	1.10	<1	23	102	61	5.11	<10	1.29	541	<1	0.14	11	1380	28	5	<20	35	0.16	<10	149	<10	4	102
47	112184	<0.2	1.96	980	55	10	0.94	<1	19	82	50	5.31	<10	1.23	551	2	0.14	13	1550	26	<5	<20	33	0.13	<10	112	<10	5	70
48	112185	0.8	3.20	675	55	10	1.76	<1	26	85	58	4.76	<10	1.32	455	<1	0.40	10	1470	180	20	<20	171	0.15	<10	122	<10	4	206
49	112186	<0.2	2.67	915	65	15	1.28	<1	14	80	29	4.86	<10	1.36	614	<1	0.29	10	1620	34	5	<20	83	0.19	<10	144	10	6	71
50	112187	<0.2	1.56	1390	65	10	0.84	<1	16	81	50	4.64	<10	1.06	471	<1	0.11	10	1460	26	<5	<20	31	0.14	<10	127	<10	5	67

XPLORER GOLD CORPORATION — ICP CERTIFICATE OF ANALYSIS AK 98-390 — ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
51	112188	<0.2	2.58	625	65	<5	1.59	<1	29	74	149	5.08	<10	1.00	382	3	0.21	10	1630	44	5	<20	85	0.10	<10	107	<10	5	152
52	112189	<0.2	2.58	625	65	<5	1.59	<1	29	74	149	5.08	<10	1.00	382	3	0.21	10	1630	44	5	<20	85	0.10	<10	107	<10	5	152
53	112190	<0.2	5.73	3640	50	<5	4.09	<1	52	103	284	6.59	<10	1.54	669	<1	0.22	14	2560	68	10	<20	341	0.26	<10	200	10	4	168
54	112191	<0.2	4.37	3790	50	<5	3.05	<1	67	72	385	7.79	<10	1.52	503	<1	0.11	18	2680	50	10	<20	189	0.29	<10	196	<10	2	350
55	112192	5.4	4.07	4555	50	<5	3.14	<1	57	86	954	7.11	<10	1.13	552	<1	0.11	18	2580	50	<5	<20	181	0.20	<10	173	<10	<1	560
56	112193	1.0	3.93	>10000	55	<5	2.85	<1	190	89	505	8.33	<10	1.34	695	2	0.10	39	2650	44	15	<20	154	0.20	<10	185	<10	<1	142
57	112194	<0.2	3.65	6960	55	<5	3.11	<1	98	97	319	6.47	<10	1.01	597	1	0.13	20	3250	40	<5	<20	192	0.15	<10	144	<10	2	225
58	112195	0.6	2.42	4970	75	<5	7.78	<1	22	59	262	4.42	<10	1.05	1028	2	0.14	10	2240	32	35	<20	301	0.07	<10	101	<10	7	57
59	112196	<0.2	5.09	3670	85	<5	3.72	<1	64	111	254	6.49	<10	1.72	792	<1	0.30	13	2970	52	10	<20	194	0.22	<10	206	<10	7	101
60	112197	<0.2	2.86	5600	60	<5	3.08	<1	121	78	247	5.63	<10	1.08	685	2	0.09	30	2730	38	5	<20	133	0.10	<10	155	<10	5	63
61	112198	<0.2	1.76	1835	55	10	2.78	<1	25	72	56	4.67	<10	1.25	1014	4	0.05	14	1780	36	<5	<20	74	<0.01	<10	91	10	6	74
62	112199	<0.2	1.35	640	45	<5	2.21	<1	16	88	77	3.66	<10	0.86	587	6	0.07	10	1090	24	<5	<20	67	0.01	<10	55	10	3	46
63	112200	1.2	1.22	1490	45	<5	2.73	<1	11	63	308	3.86	<10	0.79	793	4	0.06	10	1070	22	10	<20	111	0.01	<10	59	<10	3	58
64	112201	1.4	1.60	245	50	<5	2.34	<1	23	87	391	4.65	<10	0.80	528	6	0.11	12	1510	32	<5	<20	84	0.03	<10	65	10	4	95
65	112202	<0.2	1.68	290	45	<5	2.26	<1	16	54	169	4.62	<10	0.88	535	2	0.12	11	1790	42	<5	<20	85	0.05	<10	79	<10	6	69
66	112203	0.6	1.61	245	35	<5	2.34	<1	11	78	209	4.19	<10	0.94	588	3	0.11	5	1750	76	<5	<20	81	0.05	<10	80	<10	6	59
67	112204	0.4	1.95	355	45	<5	1.86	<1	14	63	169	4.35	<10	1.03	460	2	0.16	11	1630	116	<5	<20	79	0.07	<10	90	10	5	67
68	112205	0.4	2.88	2165	65	<5	2.25	<1	15	83	264	3.88	<10	0.98	407	4	0.32	10	1750	68	5	<20	131	0.07	<10	84	10	4	72
69	112206	<0.2	2.65	820	65	<5	2.05	<1	14	72	154	3.86	<10	1.07	404	1	0.32	8	1580	54	<5	<20	115	0.10	<10	117	<10	6	61
70	112207	<0.2	1.99	1055	55	<5	1.72	<1	15	73	279	4.45	<10	1.13	446	2	0.19	10	1660	42	5	<20	81	0.10	<10	112	10	6	65
71	112208	0.6	4.42	5035	70	<5	4.03	<1	13	55	331	2.88	<10	0.73	319	3	0.38	9	2420	48	15	<20	535	0.07	<10	59	<10	3	43
72	112209	<0.2	3.41	3760	65	<5	4.89	<1	20	48	96	4.18	<10	1.32	578	<1	0.17	11	2390	54	15	<20	442	0.11	<10	112	<10	5	70
73	112210	<0.2	2.25	1685	75	10	5.08	<1	42	64	127	6.99	<10	1.74	1156	2	0.13	17	2470	58	<5	<20	273	0.11	<10	205	<10	6	147
74	112211	<0.2	2.31	1440	60	<5	3.86	<1	34	51	102	5.65	<10	1.37	821	5	0.22	13	2000	58	<5	<20	249	0.09	<10	133	<10	4	203
75	112212	<0.2	1.73	1255	35	<5	5.25	<1	19	27	102	5.40	<10	1.39	1099	3	0.05	7	1680	48	10	<20	197	0.07	<10	136	<10	4	90
76	112213	<0.2	1.70	1755	50	<5	5.04	<1	26	38	170	5.43	<10	1.47	1001	3	0.06	6	1650	44	10	<20	194	0.08	<10	144	<10	3	80

XPLORER GOLD CORPORATION — ICP CERTIFICATE OF ANALYSIS AK 98-390 — ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
QC DATA:																													
Resplit:																													
1	112138	1.6	4.24	855	40	10	3.38	7	24	34	177	7.25	<10	1.38	1064	3	0.39	10	2010	320	15	<20	267	0.13	<10	118	<10	<1	1049
36	112173	0.2	1.93	7230	50	15	0.87	<1	23	66	74	5.43	<10	1.46	559	2	0.12	11	1140	48	15	<20	29	0.13	<10	121	<10	2	171
71	112208	1.0	4.49	5185	70	<5	4.15	<1	15	51	367	3.05	<10	0.78	346	2	0.41	9	2560	56	10	<20	534	0.07	<10	61	10	3	50
Repeat:																													
1	112138	1.4	4.01	795	40	5	3.15	5	22	44	161	6.58	<10	1.29	963	2	0.37	7	1860	290	<5	<20	255	0.12	<10	111	<10	<1	814
10	112147	<0.2	1.66	330	40	10	3.37	<1	14	29	52	4.11	<10	1.16	1036	2	0.10	2	1760	40	<5	<20	202	0.13	<10	108	<10	3	58
19	112156	<0.2	1.47	90	25	5	2.64	<1	15	26	110	3.36	<10	0.72	540	<1	0.12	5	1770	36	<5	<20	105	0.23	<10	68	<10	5	45
36	112173	0.6	1.92	7515	45	10	0.84	<1	24	51	69	5.20	<10	1.44	533	<1	0.12	10	1110	42	<5	<20	30	0.12	<10	118	<10	3	185
45	112182	<0.2	2.18	980	55	10	1.29	<1	15	81	34	4.34	<10	1.20	549	<1	0.23	8	2030	32	5	<20	59	0.13	<10	138	<10	7	72
54	112191	<0.2	4.54	3805	60	<5	3.14	<1	70	75	400	7.96	<10	1.59	523	<1	0.11	18	2800	52	5	<20	203	0.30	<10	202	<10	2	363
71	112208	0.6	4.64	5635	65	<5	4.28	<1	14	58	346	3.07	<10	0.76	340	3	0.40	9	2650	64	20	<20	559	0.07	<10	61	10	3	49
Standard:																													
GEO'98		1.0	1.86	90	160	5	1.80	<1	20	61	81	4.32	<10	0.97	708	<1	0.03	25	720	34	<5	<20	59	0.13	<10	83	<10	5	83
GEO'98		1.2	1.79	65	160	<5	1.73	<1	20	57	78	4.15	<10	0.94	682	<1	0.03	23	670	28	<5	<20	61	0.13	<10	80	<10	4	76
GEO'98		1.0	1.81	75	160	<5	1.77	<1	20	58	80	4.24	<10	0.95	701	<1	0.03	24	690	30	<5	<20	62	0.13	<10	81	<10	4	72

df/387
XLS/98

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

14-Aug-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 98-409

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 233
Sample type: CORE/ROCK
PROJECT #: RED CAP
SHIPMENT #: NONE GIVEN
Samples submitted by: M. FAY

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	112214	<0.2	1.31	1520	75	<5	2.00	<1	17	62	90	3.45	<10	0.59	376	4	0.17	11	1550	32	10	<20	146	0.05	<10	60	<10	2	48
2	112215	<0.2	1.19	1035	50	<5	1.61	<1	12	38	125	3.89	<10	0.38	348	3	0.17	6	2070	52	<5	<20	115	0.07	<10	52	<10	3	75
3	112216	0.6	2.46	1760	50	<5	2.48	<1	15	28	184	3.06	<10	0.36	230	4	0.40	8	2260	64	10	<20	328	0.04	<10	49	<10	3	63
4	112217	0.4	1.59	895	45	<5	1.67	<1	21	56	136	3.81	<10	0.42	228	4	0.21	10	1750	68	5	<20	132	0.05	<10	61	<10	2	35
5	112218	0.2	1.05	1205	50	<5	1.13	5	19	34	120	4.41	<10	0.54	295	2	0.11	10	1780	42	<5	<20	60	0.08	<10	70	<10	3	808
6	112219	<0.2	0.98	695	50	<5	1.05	<1	19	35	115	4.35	<10	0.61	357	2	0.07	12	1660	32	<5	<20	42	0.08	<10	68	<10	4	89
7	112220	<0.2	0.98	450	40	<5	1.11	<1	17	33	92	3.82	<10	0.70	381	1	0.07	7	1730	38	5	<20	46	0.09	<10	77	<10	5	54
8	112221	6.2	1.43	2800	45	<5	1.51	67	22	39	206	5.26	<10	1.02	559	<1	0.10	8	1350	1882	10	<20	59	0.07	<10	94	<10	<1	6421
9	112222	1.0	0.78	525	50	<5	1.43	<1	12	37	108	3.00	<10	0.64	349	<1	0.07	6	1650	274	<5	<20	48	0.09	<10	66	<10	5	115
10	112223	<0.2	0.71	320	40	<5	1.55	<1	11	32	156	2.27	<10	0.51	280	<1	0.08	9	2050	16	<5	<20	64	0.07	<10	51	<10	5	39
11	112224	0.4	1.00	435	40	<5	1.99	<1	17	61	149	2.88	<10	1.02	478	<1	0.06	17	1240	16	10	<20	70	0.06	<10	77	<10	4	50
12	112225	3.6	0.29	1960	115	<5	0.15	25	5	37	103	1.02	<10	0.02	63	4	<0.01	9	670	216	<5	<20	7	<0.01	<10	5	<10	<1	382
13	112226	11.0	0.21	2685	190	<5	0.04	12	3	56	68	1.51	<10	<0.01	42	3	<0.01	1	370	2248	15	<20	32	<0.01	<10	2	<10	<1	562
14	112227	2.2	0.18	135	80	<5	0.18	8	4	37	57	1.12	<10	<0.01	236	3	<0.01	4	560	150	<5	<20	8	<0.01	<10	3	<10	1	779
15	112228	2.0	0.27	40	60	<5	0.51	3	4	49	85	1.46	<10	0.03	611	5	<0.01	5	640	56	<5	<20	23	<0.01	<10	5	<10	3	336
16	112229	2.0	0.20	45	55	<5	0.60	4	4	36	185	1.68	<10	0.01	398	4	<0.01	8	670	76	<5	<20	23	<0.01	<10	4	<10	2	378
17	112230	1.4	0.20	75	100	<5	0.60	3	<1	65	25	0.51	<10	<0.01	418	7	0.01	3	710	164	<5	<20	29	<0.01	<10	4	<10	3	287
18	112231	0.6	0.15	25	70	<5	0.85	2	1	41	30	0.64	<10	0.02	530	4	<0.01	6	700	16	<5	<20	40	<0.01	<10	4	<10	3	311
19	112232	3.6	0.29	100	40	<5	0.25	15	5	42	105	2.43	<10	0.04	214	10	<0.01	7	920	338	<5	<20	7	<0.01	10	4	<10	1	1274
20	112233	1.0	0.25	60	65	<5	0.55	3	3	40	47	1.64	<10	0.11	616	5	0.01	11	470	30	<5	<20	25	<0.01	<10	10	<10	2	308
21	112234	4.2	0.30	35	45	<5	0.41	2	18	62	237	2.49	<10	0.08	512	6	0.02	25	590	38	<5	<20	17	<0.01	<10	18	<10	<1	195
22	112235	4.0	0.17	70	45	<5	0.35	<1	5	55	304	2.00	<10	0.02	381	5	0.02	21	510	30	<5	<20	17	<0.01	<10	10	<10	1	103
23	112236	12.6	0.24	135	40	<5	0.52	4	5	67	1370	2.01	<10	0.04	445	7	0.01	27	620	16	<5	<20	18	<0.01	<10	6	<10	<1	382
24	112237	5.0	0.37	250	35	<5	1.35	11	9	39	396	2.38	<10	0.08	777	5	<0.01	35	610	456	<5	<20	50	<0.01	<10	12	<10	4	1210
25	112238	18.0	0.46	175	40	<5	0.65	66	7	68	2039	3.81	<10	0.08	584	6	<0.01	32	830	52	<5	<20	29	<0.01	<10	14	<10	<1	6366

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-409													ECO-TECH LABORATORIES LTD.					
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	112239	1.4	0.26	245	65	<5	0.24	26	3	35	141	1.07	<10	0.04	279	3	<0.01	6	800	42	<5	<20	9	<0.01	<10	5	<10	2	2760
27	112240	2.8	0.56	905	80	<5	0.60	9	5	48	236	2.09	<10	0.16	562	5	0.01	17	720	48	<5	<20	38	<0.01	<10	19	<10	2	1006
28	112241	1.6	0.74	160	40	<5	0.60	<1	9	61	168	3.06	<10	0.29	610	5	0.02	39	670	20	<5	<20	22	<0.01	<10	37	<10	2	90
29	112242	4.8	0.83	175	55	<5	0.86	1	13	76	319	3.70	<10	0.30	807	5	0.03	34	630	24	<5	<20	39	<0.01	<10	40	<10	<1	155
30	112243	6.4	0.55	110	50	<5	0.58	1	6	42	309	2.02	<10	0.17	462	2	0.03	16	550	28	<5	<20	25	<0.01	<10	21	<10	1	95
31	112244	7.6	0.71	100	65	<5	0.53	2	7	57	649	2.43	<10	0.24	586	5	0.03	27	510	430	20	<20	22	<0.01	<10	39	<10	1	184
32	112245	1.4	0.93	360	75	<5	0.88	1	5	73	129	2.83	<10	0.43	795	3	0.03	24	490	16	<5	<20	36	<0.01	<10	55	<10	2	133
33	112246	0.8	0.71	60	75	<5	0.57	2	4	54	76	2.21	<10	0.30	570	3	0.03	19	450	16	<5	<20	23	<0.01	<10	44	<10	1	125
34	112247	1.2	0.58	30	55	<5	0.72	2	5	66	113	2.01	<10	0.23	622	4	0.02	12	460	26	<5	<20	27	<0.01	<10	32	<10	1	300
35	112248	2.0	0.42	150	45	<5	0.67	3	4	77	140	1.73	<10	0.13	532	6	0.02	9	520	50	<5	<20	21	<0.01	<10	19	<10	1	302
36	112249	6.6	0.29	580	55	<5	0.55	3	5	64	427	1.51	<10	0.04	368	5	0.02	7	570	174	<5	<20	22	<0.01	<10	12	<10	2	268
37	112250	6.0	0.54	310	40	<5	0.95	4	8	73	233	3.38	<10	0.16	701	8	0.02	13	540	550	<5	<20	39	<0.01	<10	27	<10	<1	355
38	112251	1.0	0.50	50	40	<5	1.01	3	5	53	39	1.83	<10	0.24	627	5	0.04	5	460	72	<5	<20	35	<0.01	<10	24	<10	2	212
39	112252	3.6	0.78	65	45	<5	1.37	2	12	43	145	3.45	<10	0.36	955	6	0.03	7	1200	178	<5	<20	54	<0.01	<10	37	<10	2	223
40	112253	1.6	0.60	45	35	<5	1.43	1	13	57	114	3.49	<10	0.23	840	6	0.04	8	1180	90	<5	<20	48	<0.01	<10	38	<10	1	102
41	112254	4.0	0.66	60	35	<5	1.18	4	9	56	177	3.42	<10	0.28	855	6	0.04	8	800	160	<5	<20	41	<0.01	<10	40	<10	<1	317
42	112255	5.4	0.46	50	40	10	1.80	6	7	54	85	2.65	<10	0.17	906	5	0.04	5	1360	256	<5	<20	55	<0.01	<10	28	<10	3	527
43	112256	1.6	0.64	35	50	<5	2.64	11	6	40	65	2.52	<10	0.28	1378	4	0.03	10	1400	138	<5	<20	65	<0.01	<10	42	<10	4	984
44	112257	2.0	0.69	30	55	<5	2.69	4	5	51	59	2.67	<10	0.34	1380	5	0.04	6	1490	288	<5	<20	87	<0.01	<10	45	<10	4	359
45	112258	0.6	0.63	20	70	<5	2.76	<1	2	41	20	1.73	<10	0.33	1291	3	0.03	3	1460	68	<5	<20	73	<0.01	<10	44	<10	6	83
46	112259	0.8	0.57	30	45	10	2.44	4	3	52	30	1.92	<10	0.30	1099	4	0.03	3	1530	104	<5	<20	60	<0.01	<10	45	<10	4	346
47	112260	0.2	0.73	35	55	<5	2.70	1	3	40	26	2.07	<10	0.42	1290	4	0.03	4	1460	48	5	<20	80	<0.01	<10	54	<10	5	122
48	112261	0.6	0.66	65	55	<5	3.45	<1	3	46	29	1.90	<10	0.32	1318	5	0.04	2	1460	104	<5	<20	98	<0.01	<10	49	<10	5	85
49	112262	0.6	0.59	60	65	<5	3.00	<1	2	38	24	1.56	<10	0.25	1170	2	0.04	4	1310	94	<5	<20	73	<0.01	<10	43	<10	4	123
50	112263	1.2	0.74	120	50	<5	2.46	5	5	41	89	3.68	<10	0.34	1266	5	0.03	3	1420	182	<5	<20	62	<0.01	<10	40	<10	2	468
51	112264	1.0	0.60	415	50	<5	1.97	128	11	45	133	4.21	<10	0.20	1077	<1	0.03	6	1080	304	<5	<20	59	<0.01	<10	27	<10	<1	>10000
52	112265	1.6	0.64	40	50	<5	2.09	2	5	41	91	2.89	<10	0.24	1259	4	0.04	5	1330	98	<5	<20	63	<0.01	<10	38	<10	4	152
53	112266	1.8	0.69	25	55	5	2.41	2	3	35	29	1.66	<10	0.34	1358	2	0.04	5	1190	176	<5	<20	74	<0.01	<10	35	<10	4	163
54	112267	1.0	0.94	15	45	<5	2.43	2	3	50	35	2.26	<10	0.68	1437	3	0.05	6	1200	136	<5	<20	77	<0.01	<10	58	<10	4	183
55	112268	0.6	0.95	10	50	<5	1.82	5	6	39	49	2.46	<10	0.63	1173	2	0.05	6	1230	44	<5	<20	69	<0.01	<10	59	<10	3	474
56	112269	5.2	0.98	85	50	<5	1.83	8	11	45	164	5.23	<10	0.55	1175	5	0.04	6	1220	192	<5	<20	70	<0.01	<10	55	<10	<1	611
57	112270	7.4	0.94	60	55	10	1.25	40	13	50	158	5.53	<10	0.52	945	5	0.02	8	880	198	<5	<20	54	<0.01	<10	53	<10	<1	3189
58	112271	7.6	0.74	60	50	5	1.49	17	10	42	124	4.12	<10	0.41	936	3	0.04	4	1080	236	<5	<20	66	<0.01	<10	42	<10	<1	1333
59	112272	2.2	0.93	65	50	<5	1.76	17	12	44	165	3.87	<10	0.51	975	3	0.03	7	1000	66	<5	<20	80	<0.01	<10	42	<10	<1	2117
60	112273	2.4	1.12	15	55	<5	1.57	13	15	64	228	4.72	<10	0.58	1047	5	0.06	8	1010	34	<5	<20	71	<0.01	<10	43	<10	<1	1594

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-409													ECO-TECH LABORATORIES LTD.						
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
61	112274	1.4	1.21	155	45	<5	1.83	13	11	51	160	4.08	<10	0.77	1092	5	0.03	8	1010	24	<5	<20	72	<0.01	<10	50	<10	<1	1501
62	112275	2.4	1.33	370	45	<5	1.91	11	20	51	206	6.89	<10	0.70	1524	9	0.02	13	1140	34	<5	<20	80	<0.01	<10	53	<10	<1	993
63	112276	6.6	1.17	715	45	10	0.97	6	8	43	89	4.86	<10	0.59	1006	6	0.02	5	1240	190	<5	<20	34	<0.01	<10	41	<10	<1	562
64	112277	11.6	0.96	125	40	20	1.32	12	13	90	160	5.47	<10	0.50	1099	10	0.03	5	1350	212	<5	<20	44	<0.01	<10	54	<10	<1	1057
65	112278	1.0	0.74	35	35	5	2.18	9	4	39	41	2.64	<10	0.46	1082	3	0.03	3	1370	32	<5	<20	74	<0.01	<10	61	<10	3	762
66	112279	0.6	1.01	40	50	10	3.30	<1	4	73	30	2.28	<10	0.85	1214	6	0.04	3	1230	12	5	<20	110	<0.01	<10	77	10	4	52
67	112280	2.4	1.17	40	55	<5	3.08	12	7	54	78	2.84	<10	0.96	1290	4	0.03	9	1250	162	10	<20	107	<0.01	<10	77	<10	2	1077
68	112281	2.4	0.90	45	45	<5	2.60	14	6	49	98	3.68	<10	0.60	1336	5	0.03	3	1170	166	<5	<20	78	<0.01	<10	66	<10	1	1211
69	112282	2.2	0.77	130	45	<5	2.47	13	5	51	74	2.65	<10	0.55	1072	4	0.03	4	1300	114	<5	<20	77	<0.01	<10	65	<10	2	1085
70	112283	2.4	0.88	125	45	<5	2.33	15	8	46	140	3.27	<10	0.66	1012	5	0.02	8	1320	54	5	<20	83	<0.01	<10	72	<10	2	1247
71	112284	0.8	1.31	55	90	<5	4.02	4	5	38	49	2.76	<10	1.09	1402	3	0.02	5	1290	24	5	<20	176	<0.01	<10	85	<10	4	386
72	112285	0.4	0.89	140	80	<5	2.72	<1	3	55	36	2.23	<10	0.64	1020	6	0.03	4	1320	26	10	<20	113	<0.01	<10	70	<10	3	110
73	112286	2.2	1.23	55	65	<5	3.04	2	4	42	156	3.14	<10	0.93	1198	5	0.02	4	1640	20	5	<20	126	<0.01	<10	74	<10	3	149
74	112287	4.4	1.08	35	60	<5	2.79	2	4	46	274	3.02	<10	0.83	1126	4	0.02	5	1530	28	<5	<20	109	<0.01	<10	72	<10	3	204
75	112288	1.2	0.98	25	60	<5	2.15	1	8	65	78	3.57	<10	0.62	1037	5	0.02	4	1590	58	<5	<20	110	<0.01	<10	56	<10	2	150
76	112289	3.0	0.89	110	50	<5	1.81	12	9	40	133	4.33	<10	0.51	989	6	0.01	5	1410	190	<5	<20	83	<0.01	<10	52	<10	1	1056
77	112290	11.0	1.01	80	50	<5	2.18	5	13	43	538	5.40	<10	0.67	1091	6	0.02	7	1300	280	<5	<20	71	<0.01	<10	64	<10	<1	424
78	112291	1.0	1.26	15	60	<5	1.79	2	9	35	113	4.41	<10	0.72	1124	4	0.03	8	1310	24	<5	<20	76	<0.01	<10	74	<10	3	166
79	112292	0.6	1.14	10	55	5	1.29	<1	7	51	45	3.73	<10	0.58	891	3	0.04	3	1210	18	<5	<20	48	0.01	<10	69	<10	3	138
80	112293	0.6	0.92	5	65	5	1.31	2	9	48	57	3.73	<10	0.42	802	5	0.04	4	1290	18	<5	<20	54	<0.01	<10	56	<10	3	156
81	112294	>30	1.27	610	65	<5	1.42	52	28	31	1376	6.16	<10	0.67	890	3	0.02	4	1330	1112	<5	<20	72	<0.01	<10	57	<10	<1	4380
82	112295	1.4	1.53	75	70	5	2.73	4	11	29	113	5.07	<10	0.94	1492	5	0.03	5	1330	34	<5	<20	81	<0.01	<10	80	<10	2	520
83	112296	1.0	1.34	20	65	10	2.35	3	9	58	87	4.81	<10	0.77	1492	6	0.04	2	1380	36	<5	<20	53	0.02	<10	79	<10	2	334
84	112297	2.6	1.21	410	50	<5	3.00	2	15	27	167	4.43	10	0.55	1253	6	0.04	2	1220	34	<5	<20	89	<0.01	<10	57	<10	8	272
85	112298	1.2	1.36	45	45	<5	2.78	3	5	30	27	2.84	<10	0.96	1257	2	0.04	<1	1180	246	10	<20	106	0.02	<10	55	<10	6	387
86	112299	0.4	1.72	110	55	15	2.59	5	8	35	53	4.03	<10	1.03	1532	4	0.04	6	1190	26	10	<20	104	<0.01	<10	59	<10	2	518
87	112300	0.2	0.87	65	45	<5	1.69	2	5	63	33	2.13	<10	0.45	687	3	0.06	6	1070	32	5	<20	70	<0.01	<10	57	<10	4	313
88	112301	<0.2	1.39	85	30	5	2.47	<1	7	76	28	3.09	<10	1.05	867	5	0.05	5	910	14	<5	<20	120	<0.01	<10	68	<10	3	184
89	112302	0.6	1.49	225	30	5	2.46	3	7	47	89	3.30	<10	1.07	1099	2	0.06	7	920	18	5	<20	94	<0.01	<10	77	<10	2	256
90	112303	3.2	1.60	>10000	50	10	1.12	47	35	69	162	7.84	<10	0.79	1166	10	0.06	17	820	154	15	<20	33	<0.01	<10	48	<10	<1	2114
91	112304	1.6	0.93	4455	50	5	1.64	48	12	38	127	4.53	<10	0.44	1076	2	0.02	5	930	60	<5	<20	20	0.02	<10	49	<10	<1	3932
92	112305	<0.2	0.65	115	40	<5	2.21	1	4	56	32	2.04	<10	0.29	839	3	0.03	5	1020	18	<5	<20	24	0.03	<10	49	<10	3	119
93	112306	0.4	0.95	195	50	10	2.45	3	7	34	94	3.75	<10	0.46	905	3	0.04	5	1020	28	<5	<20	59	<0.01	<10	55	<10	2	239
94	112307	3.0	0.95	940	45	<5	0.44	<1	17	46	318	8.26	<10	0.38	801	9	0.03	8	870	54	<5	<20	9	<0.01	<10	39	<10	<1	196
95	112308	2.0	0.91	535	75	<5	4.38	4	8	28	117	4.16	<10	0.41	1506	2	0.02	6	1160	226	<5	<20	96	0.02	<10	49	<10	4	430

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-409													ECO-TECH LABORATORIES LTD.					
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
96	112309	<0.2	1.99	50	45	10	1.89	<1	5	56	3	2.83	<10	1.67	598	2	0.11	10	1180	16	15	<20	81	0.05	<10	72	<10	<1	61
97	112310	<0.2	0.98	50	50	10	1.71	<1	8	55	26	2.20	<10	0.73	494	<1	0.06	7	1430	12	<5	<20	44	0.12	<10	53	10	5	60
98	112311	<0.2	1.70	65	35	10	3.78	3	7	46	5	2.32	<10	0.94	1276	2	0.14	11	1620	66	10	<20	213	0.12	<10	58	<10	5	311
99	112312	<0.2	1.45	25	30	5	3.56	2	6	38	17	2.10	<10	0.80	1235	1	0.10	4	1640	44	10	<20	208	0.11	<10	58	<10	4	211
100	112313	0.4	1.27	65	35	10	3.18	5	9	36	24	3.13	<10	0.82	1414	<1	0.05	5	1470	194	5	<20	67	0.09	<10	66	<10	3	500
101	112314	<0.2	0.92	25	30	10	2.49	<1	6	40	5	1.91	<10	0.69	878	<1	0.05	2	1480	38	5	<20	48	0.13	<10	51	<10	6	48
102	112315	<0.2	1.74	125	45	5	2.83	<1	9	37	27	2.78	<10	0.80	1018	<1	0.16	6	1540	28	10	<20	158	0.12	<10	58	<10	4	52
103	112316	0.8	0.82	90	35	<5	2.52	11	8	59	38	2.24	<10	0.50	1097	3	0.04	23	980	166	<5	<20	47	0.06	<10	33	<10	2	1125
104	112317	4.0	2.05	550	20	15	5.59	2	8	58	68	4.10	<10	0.75	2601	8	0.12	9	1320	104	<5	<20	199	0.06	<10	63	<10	<1	287
105	112318	2.0	2.22	685	40	<5	4.44	14	19	95	189	6.46	<10	0.87	2202	8	0.12	9	1170	56	<5	<20	196	0.05	<10	61	<10	<1	1281
106	112319	<0.2	1.82	<5	65	5	2.38	2	9	81	51	3.90	<10	0.94	916	3	0.14	12	1690	14	5	<20	225	0.09	<10	104	<10	<1	194
107	112320	<0.2	1.54	55	60	5	2.06	2	12	71	116	5.62	<10	1.17	1053	3	0.04	13	1610	16	<5	<20	74	0.08	<10	105	<10	<1	179
108	112321	1.6	1.65	615	60	<5	1.21	14	16	101	288	7.70	<10	1.05	895	7	0.04	11	1510	32	<5	<20	106	0.06	<10	89	<10	<1	1237
109	112322	<0.2	1.81	685	50	10	2.44	3	12	70	76	4.95	<10	1.46	1145	2	0.04	13	2120	22	<5	<20	92	0.09	<10	116	<10	<1	399
110	112323	<0.2	1.61	50	45	10	3.10	<1	10	62	16	3.28	<10	1.56	1029	<1	0.04	12	1980	20	15	<20	105	0.17	<10	101	<10	5	76
111	112324	<0.2	1.57	70	50	20	3.41	<1	9	75	4	2.92	<10	1.83	1021	<1	0.04	12	1650	12	10	<20	182	0.17	<10	98	<10	5	61
112	112325	<0.2	1.40	20	50	10	2.50	<1	8	56	3	2.49	<10	1.68	811	<1	0.05	11	1690	12	20	<20	126	0.16	<10	83	<10	5	50
113	112326	0.4	1.59	590	60	15	4.32	2	10	82	43	3.87	<10	1.34	1840	2	0.04	12	2150	40	5	<20	113	0.07	<10	150	<10	5	323
114	112327	<0.2	1.47	710	60	5	2.89	5	14	50	49	4.07	<10	1.28	1312	<1	0.06	14	1920	28	5	<20	81	0.12	<10	94	<10	2	701
115	112328	<0.2	1.33	130	50	5	2.75	2	9	47	39	3.58	<10	1.20	1426	2	0.04	7	1360	22	10	<20	69	0.06	<10	83	<10	1	221
116	112329	<0.2	1.12	240	65	10	2.22	1	7	35	13	2.52	<10	1.02	1024	<1	0.03	9	1400	18	10	<20	56	0.07	<10	82	<10	2	195
117	112330	<0.2	1.02	160	40	<5	1.61	<1	9	67	18	2.79	<10	0.77	659	6	0.04	4	700	12	5	<20	40	0.01	<10	40	<10	6	41
118	112331	<0.2	1.44	175	50	10	3.65	3	26	47	10	3.11	<10	1.21	1834	6	0.05	11	1650	38	10	<20	89	0.07	<10	90	<10	2	378
119	112332	<0.2	1.74	340	35	15	3.73	<1	10	63	10	3.22	<10	1.75	1492	<1	0.04	11	2100	36	15	<20	95	0.15	<10	102	<10	4	96
120	112333	1.4	0.93	85	40	10	6.22	2	17	69	4	2.25	<10	0.44	1195	<1	0.03	15	1390	120	5	<20	197	0.06	<10	86	<10	4	257
121	112334	5.4	1.94	920	85	5	3.70	7	22	68	126	5.07	<10	1.31	1653	8	0.08	11	1360	522	10	<20	260	0.03	<10	111	<10	3	796
122	112335	<0.2	1.64	225	25	10	2.07	<1	12	36	109	4.22	<10	1.35	879	4	0.04	11	1590	20	15	<20	109	0.06	<10	84	<10	<1	122
123	112336	<0.2	1.62	90	40	5	1.75	<1	12	56	95	4.10	<10	1.36	979	4	0.04	11	1550	26	5	<20	69	0.07	<10	80	<10	<1	109
124	112337	1.6	1.59	785	65	<5	1.18	3	8	68	34	4.26	<10	1.27	1617	8	0.03	5	1200	34	10	<20	66	<0.01	<10	71	<10	1	388
125	112338	0.4	1.73	60	45	15	1.97	1	11	46	40	4.33	<10	1.47	1263	5	0.04	5	1270	22	<5	<20	124	<0.01	<10	99	<10	1	189
126	112339	5.2	1.63	18	53	<5	2.06	2	9	54	485	3.99	<10	1.44	1147	6	0.03	5	1144	7	2	<20	141	<0.01	<10	101	<10	<1	205
127	112340	0.8	1.60	35	50	<5	2.12	3	10	46	65	4.02	<10	1.31	1190	4	0.04	6	1180	12	<5	<20	116	<0.01	<10	87	<10	<1	320
128	112341	1.4	1.53	105	50	<5	2.27	2	7	59	148	3.80	<10	1.20	1250	6	0.04	6	1280	20	10	<20	119	<0.01	<10	95	<10	2	255
129	112342	27.8	0.94	>10000	50	110	2.15	118	36	56	343	>10	<10	0.72	1618	12	<0.01	3	540	578	140	<20	127	<0.01	<10	34	<10	<1	798
130	112343	0.4	1.48	415	55	5	2.45	1	8	44	27	3.38	<10	1.11	1475	6	0.03	4	1250	22	10	<20	89	<0.01	<10	89	<10	2	118

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
131	112344	0.4	1.50	365	60	<5	2.13	1	11	62	50	3.64	<10	1.11	1500	7	0.03	5	1330	20	<5	<20	86	<0.01	<10	97	<10	2	163
132	112345	<0.2	1.42	215	60	<5	1.92	<1	9	55	38	3.61	<10	0.97	1498	9	0.03	5	1390	16	5	<20	66	<0.01	<10	90	<10	2	122
133	112346	0.6	1.49	290	55	5	1.53	<1	9	52	75	4.63	<10	0.77	1740	6	0.04	6	1360	22	5	<20	54	<0.01	<10	74	<10	2	79
134	112347	24.0	2.18	>10000	55	<5	4.78	2	15	41	1250	8.85	<10	1.37	5715	8	<0.01	3	1010	750	95	<20	177	0.01	<10	66	<10	<1	3015
135	112348	2.4	1.14	405	50	<5	2.21	4	5	69	112	3.47	<10	0.53	1732	7	<0.01	2	620	124	5	<20	86	<0.01	<10	13	<10	1	466
136	112349	27.6	1.03	>10000	50	10	1.74	<1	20	74	1033	>10	<10	0.42	1442	16	<0.01	5	590	1128	95	<20	61	<0.01	<10	14	<10	<1	1000
137	112350	3.6	1.20	1590	50	5	3.47	<1	9	36	132	4.40	<10	0.57	1655	6	<0.01	2	650	150	20	<20	156	<0.01	<10	17	<10	1	312
138	112351	11.2	1.18	>10000	50	<5	0.22	<1	52	86	498	>10	<10	0.37	1312	14	<0.01	5	480	412	<5	<20	12	<0.01	<10	13	<10	<1	314
139	112352	2.4	1.00	1590	40	<5	3.85	<1	6	41	115	3.87	<10	0.42	1865	5	<0.01	<1	530	86	<5	<20	181	<0.01	<10	11	<10	<1	384
140	112353	>30	0.45	>10000	50	560	0.51	298	83	67	1612	>10	<10	0.19	1030	3	<0.01	4	<10	4254	95	<20	22	<0.01	<10	9	<10	<1	>10000
141	112354	1.8	2.40	1125	70	<5	2.23	<1	10	34	161	7.04	<10	1.58	1914	9	0.03	9	860	32	<5	<20	114	<0.01	<10	79	<10	<1	287
142	112355	0.6	0.86	655	80	<5	3.92	<1	6	45	18	1.86	<10	0.48	931	5	0.02	2	590	30	5	<20	183	<0.01	<10	15	<10	3	44
143	112356	0.8	0.88	3140	85	5	3.31	<1	6	81	12	2.30	<10	0.48	1448	6	0.03	2	600	42	10	<20	184	<0.01	<10	23	<10	2	48
144	112357	0.4	0.88	740	80	<5	2.52	<1	5	56	17	2.03	<10	0.46	874	5	0.04	1	650	34	<5	<20	156	<0.01	<10	23	<10	2	50
145	112358	0.4	0.81	190	45	<5	4.21	<1	4	52	10	1.94	<10	0.41	1682	3	0.02	<1	630	18	<5	<20	208	<0.01	<10	13	<10	3	120
146	112359	0.4	0.90	170	55	<5	3.23	<1	4	49	7	1.82	<10	0.49	932	3	0.03	<1	610	46	<5	<20	192	<0.01	<10	19	<10	2	74
147	112360	0.2	0.96	55	70	<5	2.21	2	5	49	22	2.11	<10	0.45	673	4	0.02	<1	630	12	<5	<20	79	<0.01	<10	17	<10	2	113
148	112361	6.6	0.89	1285	55	<5	1.39	11	5	36	220	4.71	<10	0.33	620	7	<0.01	1	550	148	<5	<20	62	<0.01	<10	8	<10	<1	1290
149	112362	4.6	0.72	>10000	50	<5	2.12	<1	20	76	119	4.04	<10	0.25	634	6	<0.01	2	420	158	10	<20	125	<0.01	<10	7	<10	<1	983
150	112363	0.2	0.92	425	90	<5	4.61	1	5	32	41	2.22	<10	0.44	996	2	0.01	<1	820	48	<5	<20	229	<0.01	<10	14	<10	3	233
151	112364	1.2	0.85	1140	80	<5	5.54	<1	6	68	21	2.20	<10	0.48	3650	7	<0.01	<1	610	32	5	<20	280	<0.01	<10	13	<10	2	63
152	112365	16.0	2.35	>10000	80	25	>10	12	13	67	164	9.75	<10	1.38	>10000	16	0.01	5	560	1334	15	<20	203	0.03	<10	29	<10	<1	4209
153	112366	0.8	1.90	705	65	<5	4.82	<1	7	97	27	3.75	<10	1.43	5391	31	0.01	6	670	28	5	<20	120	0.02	<10	30	<10	<1	112
154	112367	1.0	1.69	580	65	<5	4.78	<1	6	68	6	2.80	<10	1.26	4327	8	0.02	6	1030	28	15	<20	115	0.03	<10	35	<10	<1	73
155	112368	0.8	1.21	340	60	5	3.68	<1	6	71	29	2.42	<10	0.83	2923	6	0.04	4	1070	24	5	<20	82	0.02	<10	44	<10	3	118
156	112369	0.8	1.62	210	50	5	5.63	1	6	62	38	3.91	<10	1.28	3071	10	0.03	3	1160	34	5	<20	231	<0.01	<10	66	<10	<1	147
157	112370	3.6	2.23	2705	70	<5	>10	<1	23	41	265	>10	<10	1.34	5377	15	<0.01	6	800	246	<5	<20	216	0.04	<10	58	<10	<1	374
158	112371	2.6	3.15	3190	90	<5	6.87	<1	22	37	293	>10	<10	2.04	4198	21	0.02	6	750	44	<5	<20	194	0.03	<10	70	<10	<1	73
159	112372	<0.2	1.76	80	60	<5	6.15	<1	7	67	11	4.43	<10	1.33	2795	7	0.03	7	910	38	<5	<20	259	0.03	<10	90	<10	<1	70
160	112373	<0.2	1.46	30	55	<5	4.31	<1	7	63	5	3.28	<10	1.16	1434	5	0.05	9	1100	24	<5	<20	135	0.01	<10	109	<10	2	52
161	112374	0.4	0.99	25	75	<5	2.81	4	8	147	17	2.88	<10	0.67	1103	15	0.04	4	590	70	<5	<20	129	<0.01	<10	39	<10	3	372
162	112375	1.2	1.27	25	70	<5	4.26	4	11	76	60	6.82	<10	0.71	2443	165	0.04	3	700	64	<5	<20	170	0.05	<10	42	<10	<1	498
163	112376	0.6	1.22	115	60	5	5.12	<1	6	49	13	3.68	<10	0.69	2344	8	0.03	2	810	92	<5	<20	177	0.05	<10	46	<10	<1	120
164	112377	0.8	1.71	35	60	5	6.91	4	9	27	32	6.34	<10	0.98	3209	10	0.05	2	1130	46	<5	<20	169	0.08	<10	84	<10	<1	397
165	112378	2.6	2.08	<5	110	5	3.63	4	37	40	236	>10	<10	0.92	2736	20	0.02	8	570	22	<5	<20	97	0.10	<10	56	<10	<1	303

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-409														ECO-TECH LABORATORIES LTD.					
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
166	112379	4.8	2.09	95	95	5	4.49	6	28	54	232	>10	<10	1.02	3492	19	0.01	8	730	222	<5	<20	83	0.10	<10	56	<10	<1	558
167	112380	0.8	2.30	90	70	10	6.70	4	15	49	56	>10	<10	1.24	3520	15	0.04	6	1030	46	<5	<20	132	0.12	<10	83	<10	<1	479
168	112381	1.0	2.11	15	70	15	6.75	4	12	48	42	8.66	<10	1.37	3551	33	0.06	6	910	260	<5	<20	207	0.11	<10	85	<10	<1	428
169	112382	1.0	2.05	5	60	5	4.19	14	16	62	78	>10	<10	0.74	2809	45	0.03	5	850	154	<5	<20	103	0.13	<10	49	<10	<1	1540
170	112383	1.0	2.89	40	85	10	2.84	5	19	37	77	>10	<10	0.97	2843	16	0.08	4	890	64	<5	<20	68	0.14	<10	74	<10	<1	437
171	112384	9.2	1.69	1010	60	10	6.18	120	34	56	210	>10	<10	0.71	3325	7	<0.01	12	640	284	<5	<20	61	0.10	<10	51	<10	<1	>10000
172	112385	7.0	2.13	<5	85	5	4.73	62	45	36	384	>10	<10	0.93	3597	13	<0.01	13	720	756	<5	<20	84	0.08	<10	53	<10	<1	6124
173	112386	0.6	2.47	5	75	10	3.08	4	17	29	134	>10	<10	0.82	2587	15	0.06	4	1170	24	<5	<20	91	0.13	<10	74	<10	<1	422
174	112387	0.4	2.36	<5	40	15	5.64	4	12	43	37	8.13	<10	1.18	3528	31	0.02	3	1120	30	<5	<20	151	0.17	<10	88	<10	<1	375
175	112388	<0.2	2.11	<5	35	5	5.99	2	11	32	19	5.89	<10	1.34	3188	8	0.03	2	1090	18	<5	<20	158	0.19	<10	94	<10	<1	291
176	112389	<0.2	2.22	10	45	15	6.89	1	9	30	11	5.52	<10	1.50	3378	15	0.04	3	1060	14	<5	<20	164	0.13	<10	108	<10	<1	147
177	112390	<0.2	1.98	20	25	10	6.35	1	7	41	16	4.95	<10	1.19	3004	14	0.05	<1	1150	14	<5	<20	162	0.07	<10	117	<10	2	164
178	112391	0.4	2.33	20	55	15	4.85	8	16	30	108	10.00	<10	1.26	3322	35	0.04	2	870	24	<5	<20	112	0.16	<10	79	<10	<1	833
179	112392	5.4	2.31	<5	95	<5	3.19	53	56	17	621	>10	<10	0.86	2466	36	0.07	12	650	64	<5	<20	92	0.10	<10	50	<10	<1	5035
180	112393	<0.2	1.17	5	40	10	3.44	<1	7	47	5	2.73	<10	1.03	1372	3	0.06	3	1030	8	5	<20	114	0.16	<10	79	<10	4	78
181	112394	<0.2	1.30	<5	40	5	3.92	<1	7	57	2	2.78	<10	1.13	1186	2	0.04	8	890	10	5	<20	153	0.02	<10	86	<10	3	50
182	112395	<0.2	1.63	10	40	10	4.28	<1	8	35	4	3.64	<10	1.34	1335	3	0.04	7	1060	8	<5	<20	161	0.02	<10	102	<10	2	63
183	112396	4.6	2.49	10	90	10	5.46	6	21	47	240	>10	<10	1.12	4015	81	0.03	4	680	202	<5	<20	148	0.07	<10	60	<10	<1	612
184	112397	6.0	3.01	1400	100	15	6.66	12	19	23	175	>10	<10	1.04	3721	58	0.11	4	850	454	<5	<20	166	0.07	<10	75	<10	<1	2075
185	112398	0.6	3.57	70	85	25	4.83	2	23	31	78	>10	<10	1.81	3599	54	0.06	7	850	26	<5	<20	99	0.14	<10	86	<10	<1	260
186	112399	0.4	1.97	45	35	10	6.21	2	11	44	12	5.57	<10	1.49	2775	6	0.04	4	1010	24	10	<20	149	0.16	<10	103	<10	<1	265
187	112400	1.0	1.87	20	45	5	9.52	1	11	34	24	6.04	<10	1.17	3341	6	0.03	3	1080	138	<5	<20	172	0.15	<10	93	<10	<1	143
188	112401	0.4	2.43	55	45	15	6.05	<1	16	31	88	9.82	<10	1.43	2931	18	0.03	4	1010	34	<5	<20	101	0.17	<10	98	<10	<1	78
189	112402	1.2	2.69	790	55	15	5.59	<1	19	35	112	>10	<10	1.55	3428	22	0.01	7	1180	186	<5	<20	95	0.11	<10	96	<10	<1	154
190	112403	4.6	2.81	2895	55	15	>10	<1	21	46	105	>10	<10	1.62	5449	17	<0.01	5	810	736	<5	<20	103	0.06	<10	76	<10	<1	454
191	112404	0.8	2.10	285	55	5	9.54	<1	20	54	108	>10	<10	1.02	4304	10	0.02	7	780	80	<5	<20	141	0.11	<10	71	<10	<1	196
192	112405	4.0	2.19	670	75	<5	7.52	1	23	40	225	>10	<10	0.98	4987	14	<0.01	8	790	506	<5	<20	124	0.08	<10	77	<10	<1	544
193	112406	1.6	2.55	2605	65	<5	>10	<1	20	33	127	>10	<10	1.35	5842	12	0.02	8	730	82	<5	<20	390	0.04	<10	83	<10	<1	120
194	112407	5.2	2.61	7850	90	<5	>10	<1	20	43	216	>10	<10	1.13	4390	18	<0.01	1	840	794	<5	<20	384	0.03	<10	70	<10	<1	897
195	112408	2.2	2.27	7390	85	5	9.74	<1	14	25	142	>10	<10	0.87	4701	29	0.01	<1	700	280	<5	<20	387	0.02	<10	59	<10	<1	145
196	112409	2.4	3.17	>10000	75	20	>10	<1	15	32	118	>10	<10	1.63	4837	18	0.01	2	600	250	<5	<20	543	0.02	<10	103	<10	<1	236
197	112410	6.4	3.06	3040	70	15	>10	<1	16	33	67	>10	<10	1.50	8488	26	<0.01	<1	370	1278	<5	<20	532	0.02	<10	78	<10	<1	883
198	112411	0.4	2.35	445	30	10	8.62	<1	8	32	14	5.86	<10	1.52	3074	12	0.04	5	1220	26	<5	<20	488	0.01	<10	155	<10	<1	82
199	112412	0.2	1.90	180	35	10	7.49	2	8	24	12	4.87	<10	1.27	2748	7	0.05	7	1240	38	<5	<20	415	0.01	<10	126	<10	1	283
200	112413	<0.2	1.88	55	45	5	3.96	1	10	38	12	4.46	<10	1.58	1956	1	0.06	7	1160	26	<5	<20	284	0.10	<10	138	<10	3	175

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-409													ECO-TECH LABORATORIES LTD.					
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
201	112414	<0.2	1.62	175	65	5	2.99	<1	10	41	14	4.06	<10	1.38	1407	1	0.06	3	1240	18	<5	<20	204	0.13	<10	122	<10	3	92
202	112415	<0.2	2.03	240	40	5	2.80	<1	12	54	21	5.07	<10	1.72	1610	<1	0.08	6	1300	16	<5	<20	197	0.14	<10	139	<10	1	164
203	112416	<0.2	1.80	30	50	5	2.84	<1	11	36	14	4.83	<10	1.46	1374	1	0.06	6	1290	20	<5	<20	241	0.11	<10	122	<10	3	112
204	112417	<0.2	1.70	20	55	5	3.04	2	12	41	19	4.46	<10	1.37	1414	<1	0.05	4	1260	14	<5	<20	205	0.16	<10	121	<10	2	185
205	112418	<0.2	1.79	10	45	5	3.14	2	11	39	13	4.82	<10	1.39	1489	2	0.05	5	1110	84	<5	<20	245	0.11	<10	126	<10	1	187
206	112419	<0.2	1.94	20	55	10	4.69	1	12	51	11	4.73	<10	1.67	2179	5	0.04	9	1210	38	<5	<20	354	0.03	<10	153	<10	3	107
207	112420	<0.2	1.60	10	70	5	3.45	2	12	38	24	3.96	<10	1.44	1501	<1	0.05	5	1150	38	5	<20	311	0.13	<10	133	<10	3	241
208	112421	<0.2	1.87	35	60	<5	2.66	<1	16	36	26	4.70	<10	1.65	1596	<1	0.04	6	1190	30	<5	<20	102	0.20	<10	131	<10	2	98
209	112422	<0.2	1.94	25	40	5	3.28	<1	13	35	38	5.40	<10	1.54	1795	2	0.04	6	1160	44	<5	<20	104	0.08	<10	143	<10	2	130
210	112423	0.6	1.93	180	40	5	4.73	<1	12	40	22	5.22	<10	1.52	2253	5	0.05	12	1120	94	<5	<20	259	0.01	<10	137	<10	<1	191
211	112424	<0.2	1.68	25	60	<5	3.38	2	10	58	6	3.86	<10	1.58	1516	2	0.05	9	1130	22	5	<20	270	0.04	<10	122	<10	2	159
212	112425	0.4	1.65	75	45	10	5.58	5	10	46	7	4.48	<10	1.28	2822	5	0.04	6	1540	90	10	<20	268	<0.01	<10	122	<10	1	590
213	112426	1.0	2.41	680	60	10	9.33	4	34	64	46	7.60	<10	1.52	4268	7	0.03	14	1290	62	<5	<20	490	0.02	<10	135	<10	<1	738
214	112427	6.6	2.04	280	50	5	7.65	7	22	55	65	6.05	<10	1.14	3268	8	0.04	12	1380	578	5	<20	409	0.01	<10	162	<10	1	878
215	112428	3.0	1.64	385	70	<5	5.87	7	13	44	91	5.11	<10	1.02	2852	19	0.03	9	1410	328	<5	<20	310	0.01	<10	110	<10	2	856
216	112429	0.6	2.12	35	65	<5	3.50	7	15	41	112	5.93	<10	1.60	2046	2	0.04	9	1440	64	<5	<20	141	0.09	<10	168	<10	2	635
217	112430	0.8	2.01	20	55	<5	3.13	6	18	42	129	5.58	<10	1.52	1830	<1	0.04	9	1650	42	<5	<20	117	0.16	<10	171	<10	1	580
218	112431	<0.2	2.34	45	40	10	2.92	6	25	49	45	7.00	<10	1.58	2069	6	0.04	9	1530	26	<5	<20	121	0.04	<10	174	<10	<1	620
219	112432	11.8	1.65	270	65	<5	2.02	16	10	35	191	5.70	<10	1.14	1390	5	0.03	6	1180	2754	5	<20	90	<0.01	<10	84	<10	<1	1583
220	112433	1.4	1.74	60	50	<5	2.98	6	6	54	39	4.14	<10	1.49	1441	6	0.03	6	1150	320	<5	<20	158	<0.01	<10	106	<10	<1	590
221	112434	5.6	1.88	720	70	10	2.41	16	7	38	89	5.64	<10	1.43	1333	5	0.04	8	1220	662	5	<20	125	<0.01	<10	105	<10	<1	1808
222	112435	0.4	1.97	55	80	<5	2.29	1	6	78	35	4.84	<10	1.62	1283	9	0.05	10	1180	64	10	<20	113	<0.01	<10	108	<10	<1	171
223	112436	1.8	1.67	40	50	<5	2.90	7	6	35	73	4.19	<10	1.41	1603	4	0.03	4	1280	262	<5	<20	113	<0.01	<10	99	<10	<1	700
224	112437	3.6	1.72	35	60	<5	2.31	11	7	37	199	4.82	<10	1.51	1430	5	0.03	3	1210	306	<5	<20	122	<0.01	<10	100	<10	<1	1085
225	112438	0.2	1.71	20	60	5	2.74	1	7	37	43	4.30	<10	1.55	1160	4	0.04	4	1280	24	<5	<20	215	0.01	<10	120	<10	2	150
226	112439	<0.2	1.60	10	65	<5	2.51	<1	6	54	50	4.03	<10	1.44	912	5	0.04	3	1190	18	<5	<20	195	0.02	<10	109	<10	2	119
227	111652	0.8	1.67	385	55	<5	2.30	<1	15	67	31	4.16	<10	0.68	1378	6	<0.01	29	800	130	<5	<20	125	<0.01	<10	53	<10	6	184
228	111654	4.8	3.14	75	100	<5	2.68	7	33	75	253	>10	<10	1.26	3821	12	0.06	53	1280	444	<5	<20	84	0.02	<10	68	<10	<1	603
229	K1108	>30	0.24	>10000	60	105	0.03	<1	18	116	1274	8.98	<10	<0.01	47	20	<0.01	9	160	>10000	1925	<20	15	<0.01	<10	9	<10	<1	1291
230	K1109	19.0	0.23	>10000	115	10	0.02	<1	18	126	128	4.41	<10	0.02	50	46	<0.01	2	280	1202	40	<20	11	<0.01	<10	8	<10	<1	109
231	K1110	>30	0.18	7340	115	85	0.51	<1	4	138	124	2.97	<10	0.04	312	6	<0.01	3	170	5858	40	<20	32	<0.01	<10	2	<10	<1	604
232	K1111	0.4	0.36	135	40	10	0.50	2	11	71	10	4.30	<10	<0.01	90	11	0.02	2	1140	56	<5	<20	7	0.07	<10	5	<10	5	74
233	K1112	<0.2	0.41	135	50	5	0.38	<1	11	43	9	3.20	<10	0.04	77	8	0.02	<1	1370	30	<5	<20	8	0.08	<10	7	<10	8	35

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-409													ECO-TECH LABORATORIES LTD.						
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																													
Resplit:																													
1	112214	<0.2	1.20	1310	60	<5	1.95	<1	16	44	92	3.35	<10	0.57	362	3	0.14	9	1480	26	5	<20	139	0.04	<10	58	<10	2	49
36	112249	6.8	0.27	585	40	<5	0.57	3	5	58	412	1.50	<10	0.04	388	5	0.02	6	620	194	<5	<20	17	<0.01	<10	12	<10	1	331
71	112284	0.6	1.30	75	75	<5	4.12	3	5	28	49	2.79	<10	1.10	1440	2	0.02	4	1220	22	10	<20	190	<0.01	<10	84	<10	5	369
106	112319	<0.2	1.76	50	65	10	2.31	3	9	82	65	3.87	<10	0.94	880	3	0.13	13	1510	12	<5	<20	241	0.09	<10	101	<10	<1	259
141	112354	1.8	2.38	1095	65	<5	2.27	<1	10	43	155	7.21	<10	1.55	1970	10	0.03	9	940	38	<5	<20	113	<0.01	<10	81	<10	<1	317
176	112389	<0.2	2.25	5	35	10	6.98	1	10	25	10	5.72	<10	1.51	3467	14	0.04	2	1090	16	<5	<20	160	0.13	<10	111	<10	<1	141
211	112424	<0.2	1.76	30	65	5	3.40	2	11	51	7	4.16	<10	1.67	1640	2	0.05	9	1180	24	<5	<20	289	0.04	<10	127	<10	2	168
Repeat:																													
1	112214	0.2	1.26	1440	65	<5	1.92	<1	17	59	88	3.33	<10	0.57	352	4	0.16	10	1540	34	5	<20	138	0.05	<10	59	<10	2	49
10	112223	<0.2	0.71	295	45	<5	1.52	<1	11	34	157	2.24	<10	0.50	280	2	0.08	8	2010	14	5	<20	67	0.07	<10	50	<10	5	37
19	112232	3.6	0.28	100	35	<5	0.25	15	5	43	106	2.39	<10	0.04	217	10	<0.01	5	900	328	<5	<20	5	<0.01	<10	4	<10	<1	1217
36	112249	6.8	0.28	610	50	<5	0.55	3	5	62	420	1.49	<10	0.04	367	5	0.02	7	590	180	<5	<20	20	<0.01	<10	12	<10	2	271
45	112258	0.4	0.64	20	70	<5	2.76	<1	2	42	19	1.73	<10	0.34	1304	4	0.03	4	1450	62	<5	<20	73	<0.01	<10	45	<10	6	81
54	112267	1.0	0.94	15	40	<5	2.47	2	4	51	36	2.34	<10	0.69	1466	3	0.05	5	1270	148	5	<20	75	<0.01	<10	58	<10	4	199
71	112284	0.8	1.29	65	85	5	4.06	3	6	38	49	2.81	<10	1.08	1409	3	0.02	5	1370	28	15	<20	170	<0.01	<10	85	<10	5	416
80	112293	0.6	0.93	10	60	5	1.29	1	9	48	59	3.71	<10	0.42	795	5	0.04	4	1280	18	<5	<20	55	<0.01	<10	56	<10	3	152
89	112302	0.6	1.44	215	25	<5	2.35	3	7	45	86	3.16	<10	1.04	1057	2	0.05	6	870	14	<5	<20	91	<0.01	<10	74	<10	2	240
106	112319	<0.2	1.84	10	60	10	2.42	2	10	108	52	3.97	<10	0.95	930	4	0.14	14	1740	18	<5	<20	223	0.10	<10	106	<10	1	199
115	112328	<0.2	1.37	155	55	10	2.85	1	10	50	42	3.72	<10	1.23	1472	2	0.04	8	1410	24	10	<20	71	0.07	<10	85	<10	1	233
124	112337	1.4	1.53	770	65	<5	1.14	2	8	67	33	4.14	<10	1.23	1562	7	0.03	5	1200	34	<5	<20	61	<0.01	<10	68	<10	1	379
141	112354	1.6	2.41	1125	65	<5	2.25	<1	10	33	168	7.10	<10	1.58	1944	9	0.03	7	870	32	<5	<20	116	<0.01	<10	79	<10	<1	286
150	112363	0.4	0.89	425	85	<5	4.70	<1	5	32	38	2.26	<10	0.42	1004	3	0.01	<1	820	56	<5	<20	234	<0.01	<10	14	<10	4	240
159	112372	<0.2	1.72	75	65	10	6.14	<1	7	67	12	4.48	<10	1.29	2786	7	0.02	6	910	38	<5	<20	236	0.03	<10	90	<10	<1	73
176	112389	<0.2	2.15	10	40	10	6.95	1	9	30	10	5.60	<10	1.45	3401	15	0.04	3	1060	16	<5	<20	147	0.12	<10	107	<10	<1	161
185	112398	0.8	3.54	65	80	15	4.67	2	22	29	74	>10	<10	1.80	3557	47	0.06	7	850	24	<5	<20	98	0.13	<10	84	<10	<1	251
194	112407	4.8	2.48	7430	80	<5	9.58	<1	18	40	190	>10	<10	1.04	4137	16	<0.01	2	788	708	<5	<20	374	0.02	<10	62	<10	<1	822
211	112424	<0.2	1.66	20	60	5	3.52	2	10	61	6	4.02	<10	1.56	1566	2	0.04	9	1180	28	<5	<20	248	0.04	<10	125	<10	3	165
220	112433	1.2	1.76	60	55	<5	2.99	6	6	55	39	4.19	<10	1.50	1458	6	0.03	5	1190	310	<5	<20	160	<0.01	<10	107	<10	<1	589

XPLORER GOLD CORPORATION									ICP CERTIFICATE OF ANALYSIS AK 98-409														ECO-TECH LABORATORIES LTD.						
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Standard:																													
GEO'98		1.2	1.80	70	155	<5	1.84	<1	18	66	79	3.88	<10	0.98	664	<1	0.02	23	680	24	<5	<20	53	0.10	<10	72	<10	6	69
GEO'98		1.6	1.72	70	160	<5	1.81	<1	21	66	86	4.19	<10	0.95	713	<1	0.02	22	770	24	10	<20	54	0.10	<10	76	10	5	76
GEO'98		1.0	1.76	65	150	5	1.76	1	19	64	78	3.91	<10	0.96	687	<1	0.02	25	690	26	10	<20	54	0.10	<10	74	<10	5	74
GEO'98		1.2	1.85	70	165	5	1.91	1	21	68	80	4.01	10	1.03	710	1	0.01	22	710	20	5	<20	60	0.10	10	81	10	7	74
GEO'98		1.4	1.72	75	190	<5	1.76	<1	20	60	83	4.07	<10	0.98	707	<1	0.02	22	620	22	<5	<20	59	0.13	<10	81	<10	4	74
GEO'98		1.4	1.70	70	185	<5	1.79	<1	20	58	80	4.07	<10	0.94	722	<1	0.02	24	620	24	<5	<20	59	0.12	<10	81	<10	5	81
GEO'98		1.2	1.76	60	185	<5	1.77	<1	19	59	83	4.10	<10	0.96	706	<1	0.02	22	650	24	<5	<20	61	0.13	<10	83	<10	5	80
df/411/409																							ECO-TECH LABORATORIES LTD.						
XLS/98																							Frank J. Pezzotti, A.Sc.T.						
																							B.C. Certified Assayer						

12-Aug-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 98-405

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 66
Sample type: Rock / Core
PROJECT #: RED CAP
SHIPMENT #: None Given
Samples submitted by: Xplorer

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	112440	2.2	1.77	660	65	5	2.12	<1	6	33	102	4.71	<10	1.53	902	6	0.06	1	1070	208	5	<20	172	0.01	<10	101	<10	<1	351
2	112441	0.4	1.84	235	55	5	2.10	<1	6	32	40	4.21	<10	1.54	927	3	0.06	<1	1130	34	<5	<20	152	0.01	<10	104	<10	<1	153
3	112442	0.6	1.95	465	55	10	2.66	<1	6	25	35	4.39	<10	1.64	1242	4	0.06	<1	1120	70	5	<20	170	<0.01	<10	98	<10	<1	255
4	112443	<0.2	1.75	25	45	5	2.06	<1	5	37	53	3.92	<10	1.47	947	5	0.05	2	1140	18	15	<20	159	<0.01	<10	106	<10	1	152
5	112444	1.8	1.96	95	60	<5	1.95	9	7	31	106	4.76	<10	1.57	1101	4	0.07	<1	1220	106	<5	<20	134	<0.01	<10	110	<10	<1	833
6	112445	0.2	1.89	35	50	5	1.95	2	6	44	47	4.43	<10	1.58	913	6	0.06	<1	1130	50	<5	<20	121	<0.01	<10	101	<10	<1	211
7	112446	13.8	1.64	3660	60	10	1.18	54	10	21	245	7.85	<10	1.01	1575	4	0.03	3	1140	782	<5	<20	50	<0.01	<10	51	<10	<1	5976
8	112447	6.6	1.27	7190	45	5	0.86	<1	12	41	238	7.53	<10	0.77	1203	11	0.02	4	1110	260	<5	<20	37	<0.01	<10	38	<10	<1	1039
9	112448	13.4	0.96	>10000	50	15	1.76	<1	47	35	319	>10	<10	0.64	1895	11	0.01	<1	750	490	70	<20	178	<0.01	<10	23	<10	<1	329
10	112449	1.4	1.62	2690	50	<5	3.24	<1	6	25	70	4.05	<10	1.40	1852	3	0.03	<1	1270	98	<5	<20	178	<0.01	<10	72	<10	2	279
11	112450	5.2	1.99	175	50	5	1.81	23	6	22	165	6.44	<10	1.62	1507	4	0.04	<1	1220	308	<5	<20	87	<0.01	<10	91	<10	<1	2058
12	112451	15.4	1.51	>10000	45	<5	2.44	<1	10	29	631	7.22	<10	1.13	1367	6	0.03	<1	1260	640	25	<20	113	<0.01	<10	70	<10	<1	3615
13	112452	6.4	1.60	355	45	<5	1.48	11	6	25	254	5.96	<10	1.23	1121	4	0.04	<1	1120	166	<5	<20	71	<0.01	<10	79	<10	<1	1081
14	112453	7.2	1.51	4000	40	<5	1.90	6	13	42	321	7.32	<10	1.14	1335	7	0.03	<1	1020	212	<5	<20	95	<0.01	<10	79	<10	<1	2073
15	112454	5.0	1.67	4810	50	<5	1.25	<1	10	69	421	7.34	<10	1.28	1097	8	0.04	<1	1150	108	<5	<20	53	<0.01	<10	72	<10	<1	586
16	112455	0.6	1.67	95	50	<5	2.53	3	6	56	56	4.07	<10	1.56	1226	6	0.03	<1	1150	46	<5	<20	115	<0.01	<10	87	<10	<1	281
17	112456	7.2	1.68	2140	50	20	2.18	54	8	44	223	6.12	<10	1.32	1692	3	0.03	<1	1200	290	25	<20	78	<0.01	<10	72	<10	<1	5169
18	112457	5.4	1.46	655	40	20	1.94	24	7	48	157	5.16	<10	1.23	1293	6	0.04	1	1090	252	15	<20	70	<0.01	<10	79	<10	<1	2123
19	112458	3.4	1.91	440	50	<5	1.84	15	8	40	208	6.86	<10	1.57	1468	6	0.04	<1	1140	146	<5	<20	77	<0.01	<10	88	<10	<1	1457
20	112459	5.0	1.64	2685	60	<5	1.38	9	12	68	326	6.37	<10	1.22	1185	8	0.05	<1	1170	240	<5	<20	61	<0.01	<10	90	<10	<1	1726
21	112460	3.0	1.81	3110	45	<5	1.67	<1	9	37	274	5.79	<10	1.45	1390	5	0.04	<1	1180	122	<5	<20	88	<0.01	<10	90	<10	<1	1091
22	112461	5.4	1.62	3270	45	10	1.71	3	10	54	146	5.52	<10	1.28	1099	8	0.04	<1	1180	194	<5	<20	94	<0.01	<10	92	<10	<1	1446
23	112462	3.2	1.89	1020	50	15	2.62	9	7	26	99	4.58	<10	1.53	1380	5	0.05	<1	1070	174	<5	<20	142	<0.01	<10	92	<10	<1	1126
24	112463	3.2	1.55	595	50	<5	1.93	8	6	28	189	4.87	<10	1.23	1032	4	0.05	<1	1120	112	<5	<20	93	<0.01	<10	89	<10	<1	944
25	112464	3.6	1.50	1170	55	<5	2.23	5	7	27	215	4.72	<10	1.15	1406	5	0.04	<1	1110	172	<5	<20	98	<0.01	<10	80	<10	<1	865

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-405												ECO-TECH LABORATORIES LTD.							
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	112465	6.8	1.51	3380	55	10	1.62	<1	8	26	195	5.92	<10	0.98	1169	5	0.03	<1	1160	326	<5	<20	68	<0.01	<10	70	<10	<1	1413
27	112466	>30	0.91	>10000	55	<5	0.25	<1	38	39	6970	>10	<10	0.51	895	13	0.07	<1	310	754	40	<20	10	<0.01	<10	22	<10	<1	1187
28	112467	3.6	1.52	2730	55	<5	0.76	<1	10	41	257	7.33	<10	0.94	1272	7	0.02	<1	960	84	<5	<20	28	<0.01	<10	48	<10	<1	219
29	112468	10.0	0.94	>10000	50	<5	1.40	<1	35	34	358	9.01	<10	0.47	980	12	0.02	3	960	190	25	<20	66	<0.01	<10	41	<10	<1	445
30	112469	11.0	1.17	>10000	40	<5	4.61	24	10	17	272	7.25	<10	0.77	2123	6	0.01	3	1030	258	<5	<20	341	<0.01	<10	63	<10	<1	5759
31	112470	14.6	0.91	>10000	35	10	0.42	<1	24	38	416	>10	<10	0.49	898	9	0.01	5	910	396	5	<20	17	<0.01	<10	31	<10	<1	1288
32	112471	15.6	1.02	>10000	40	15	0.47	<1	23	27	430	>10	<10	0.55	962	8	0.01	6	950	408	5	<20	19	<0.01	<10	35	<10	<1	1543
33	112472	10.0	0.84	>10000	30	10	1.23	<1	21	59	401	7.99	<10	0.39	1232	8	0.01	<1	1050	446	15	<20	60	<0.01	<10	15	<10	<1	1212
34	112473	1.8	1.46	395	30	<5	2.89	5	6	40	103	4.99	<10	1.02	2001	6	0.02	<1	1010	102	<5	<20	145	<0.01	<10	63	<10	<1	593
35	112474	3.4	1.61	2260	45	<5	2.12	<1	12	46	268	5.03	<10	1.17	1622	5	0.03	<1	1160	66	<5	<20	111	<0.01	<10	80	<10	<1	458
36	112475	2.6	1.64	1010	40	<5	1.48	<1	9	48	232	5.54	<10	1.26	1417	7	0.02	<1	1080	56	<5	<20	71	<0.01	<10	83	<10	<1	253
37	112476	2.4	1.45	2330	35	<5	1.34	<1	8	59	110	5.09	<10	1.25	1501	7	0.02	<1	1070	106	<5	<20	61	<0.01	<10	74	<10	<1	789
38	112477	7.2	1.26	965	35	<5	3.13	2	9	49	240	6.15	<10	1.10	2949	6	0.02	<1	1060	384	<5	<20	199	<0.01	<10	55	<10	<1	691
39	112478	7.4	1.50	435	35	10	2.37	20	7	45	193	6.16	<10	1.10	1821	6	0.03	<1	1100	380	<5	<20	110	<0.01	<10	69	<10	<1	1946
40	112479	6.0	1.65	245	45	<5	2.52	4	10	30	542	5.40	<10	1.20	1742	5	0.03	<1	1100	106	<5	<20	121	<0.01	<10	92	<10	<1	459
41	112480	>30	1.05	1685	45	100	1.79	24	17	33	1142	>10	<10	0.80	1868	12	0.02	7	730	996	<5	<20	95	<0.01	<10	41	<10	<1	2545
42	112481	4.8	0.91	2215	35	<5	2.88	18	8	27	227	4.20	<10	0.73	2552	5	0.02	<1	1270	270	5	<20	134	<0.01	<10	37	<10	1	2751
43	112482	8.4	1.12	2960	30	<5	3.94	<1	7	32	188	4.85	<10	1.07	3190	5	0.02	<1	1210	428	15	<20	195	<0.01	<10	55	<10	3	896
44	112483	3.4	1.75	245	40	<5	2.34	13	6	24	143	5.30	<10	1.31	1550	3	0.03	<1	1170	506	<5	<20	117	<0.01	<10	84	<10	<1	1242
45	112484	4.4	1.61	5455	40	<5	1.81	<1	16	27	169	5.64	<10	1.07	1444	5	0.02	<1	1200	656	15	<20	68	<0.01	<10	74	<10	<1	847
46	112485	>30	0.96	>10000	60	80	0.72	<1	32	21	799	>10	<10	0.31	898	12	0.07	<1	660	4064	10	<20	38	<0.01	<10	23	<10	<1	5633
47	112486	20.4	0.92	>10000	45	75	0.49	<1	25	27	696	>10	<10	0.29	585	12	0.06	<1	880	840	10	<20	25	<0.01	<10	20	<10	<1	500
48	112487	2.0	1.04	1490	45	<5	2.98	3	4	24	90	3.47	<10	0.76	1899	7	0.02	<1	1170	126	<5	<20	146	<0.01	<10	52	<10	3	936
49	112488	1.8	1.03	1345	45	<5	2.99	4	4	25	76	2.91	<10	0.75	1696	3	0.03	<1	1140	174	5	<20	91	<0.01	<10	50	<10	2	977
50	112489	0.6	1.15	610	45	<5	3.40	4	4	23	48	3.08	<10	0.93	1958	4	0.03	<1	1180	64	10	<20	101	<0.01	<10	64	<10	3	611
51	112490	5.0	1.43	3755	40	5	2.47	2	12	27	165	5.60	<10	0.95	1666	8	0.03	15	1270	342	<5	<20	163	<0.01	<10	72	<10	<1	1959
52	112491	2.6	1.66	905	35	<5	1.76	6	5	28	151	5.24	<10	1.17	1242	5	0.03	<1	1220	422	5	<20	91	<0.01	<10	63	<10	<1	1013
53	112492	9.6	1.79	3435	35	<5	2.70	9	10	24	659	6.31	<10	1.34	1430	4	0.03	<1	1080	340	10	<20	164	<0.01	<10	68	<10	<1	2261
54	112493	10.8	1.44	3330	35	<5	2.25	<1	7	23	476	5.18	<10	1.00	1564	4	0.03	<1	1220	450	10	<20	143	<0.01	<10	74	<10	<1	1485
55	112494	7.4	1.52	5200	35	10	1.92	32	12	35	240	6.85	<10	1.03	1713	3	0.03	3	1080	418	<5	<20	98	<0.01	<10	70	<10	<1	5100
56	112495	7.8	1.76	535	35	10	1.58	15	10	34	247	7.42	<10	1.23	1574	6	0.03	<1	1120	318	<5	<20	82	<0.01	<10	88	<10	<1	1572
57	112496	4.8	1.54	1125	45	10	2.54	9	7	29	108	4.50	<10	1.08	1784	2	0.03	<1	1200	398	10	<20	116	<0.01	<10	93	<10	<1	1325
58	112497	4.0	1.74	7550	45	<5	1.10	<1	24	25	250	8.82	<10	0.99	1505	8	0.02	<1	1280	258	<5	<20	61	<0.01	<10	59	<10	<1	909
59	112498	2.2	1.52	160	40	<5	1.86	23	6	25	121	5.33	<10	1.04	1560	3	0.03	<1	1220	150	<5	<20	71	<0.01	<10	80	<10	<1	2046
60	112499	4.2	1.13	480	35	<5	1.71	19	6	30	138	4.34	<10	0.76	1314	3	0.02	<1	1340	348	<5	<20	59	<0.01	<10	53	<10	<1	1932

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-405												ECO-TECH LABORATORIES LTD.						
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
61	112500	6.4	1.46	2875	35	10	1.50	1	6	53	192	6.39	<10	0.89	1339	11	0.03	<1	1430	448	<5	<20	56	<0.01	<10	61	<10	<1	1418
62	112501	7.4	1.34	>10000	40	25	0.99	<1	36	64	292	>10	<10	0.59	1104	11	0.02	<1	1210	212	10	<20	50	<0.01	<10	29	<10	<1	330
63	112502	23.6	1.11	>10000	45	145	0.67	<1	26	55	916	>10	<10	0.37	984	14	0.01	<1	1020	610	10	<20	41	<0.01	<10	20	<10	<1	1227
64	112503	18.2	1.12	4355	35	25	1.20	84	6	28	303	6.64	<10	0.55	1496	6	0.02	2	1230	862	20	<20	34	<0.01	<10	36	<10	<1	8851
65	112504	2.8	1.08	3280	40	5	2.60	<1	11	68	93	3.99	<10	0.82	1544	9	0.03	<1	1310	180	15	<20	66	<0.01	<10	53	<10	<1	1076
66	112505	1.0	1.36	255	35	<5	3.27	3	5	48	58	3.74	<10	1.14	1968	5	0.03	<1	1280	142	<5	<20	137	<0.01	<10	88	<10	<1	423
QC DATA:																													
Resplit:																													
1	112440	1.8	1.76	680	60	<5	2.08	<1	7	30	102	4.58	<10	1.53	913	3	0.06	<1	1130	196	5	<20	167	0.01	<10	101	<10	<1	323
36	112475	2.4	1.53	990	35	5	1.47	<1	8	42	226	5.42	<10	1.15	1368	6	0.03	<1	1100	64	<5	<20	65	<0.01	<10	78	<10	<1	272
Repeat:																													
1	112440	2.4	1.70	700	60	<5	2.11	<1	7	30	100	4.65	<10	1.49	890	4	0.05	<1	1110	212	<5	<20	164	0.01	<10	99	<10	<1	362
10	112449	1.4	1.67	2555	55	5	3.24	<1	5	25	73	4.06	<10	1.45	1877	4	0.03	<1	1290	90	<5	<20	183	<0.01	<10	73	<10	1	278
19	112458	3.4	1.77	395	45	<5	1.72	14	8	40	200	6.44	<10	1.48	1375	5	0.04	<1	1050	138	<5	<20	72	<0.01	<10	82	<10	<1	1326
36	112475	2.6	1.65	970	35	<5	1.54	<1	9	47	228	5.75	<10	1.25	1461	7	0.02	<1	1160	66	<5	<20	67	<0.01	<10	85	<10	<1	279
45	112484	4.6	1.62	5975	40	<5	1.83	<1	15	26	173	5.77	<10	1.07	1461	5	0.02	<1	1210	684	10	<20	71	<0.01	<10	75	<10	<1	892
54	112493	10.4	1.38	3325	35	<5	2.19	<1	7	22	456	5.06	<10	0.95	1523	4	0.03	<1	1180	448	<5	<20	137	<0.01	<10	71	<10	<1	1458
63	112502	22.6	1.07	9435	45	160	0.65	<1	24	52	856	>10	<10	0.36	946	11	0.07	<1	980	562	10	<20	40	<0.01	<10	20	<10	<1	1153
Standard:																													
GEO'98		1.2	1.84	70	155	<5	1.82	<1	20	64	79	3.74	<10	0.98	658	<1	0.02	20	630	16	<5	<20	56	0.08	<10	72	<10	5	68
GEO'98		1.2	1.80	72	160	<5	1.84	<1	18	64	80	3.88	<10	0.96	680	<1	0.02	20	660	24	5	<20	55	0.08	<10	74	<10	6	80

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/405
XLS/98

13-Aug-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 98-417

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 3
Sample type: CORE
PROJECT #: RED CAP
SHIPMENT #: NONE GIVEN
Samples submitted by: J. WILLIAMS

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	112506	0.6	0.99	60	65	<5	2.21	2	6	83	34	2.51	<10	0.49	765	9	0.04	<1	620	24	<5	<20	131	<0.01	<10	17	<10	2	194
2	112507	<0.2	0.85	50	85	<5	2.40	<1	5	41	5	1.85	<10	0.47	787	3	0.03	<1	580	12	<5	<20	106	<0.01	<10	13	<10	3	26
3	112508	<0.2	0.90	85	50	10	2.18	<1	6	83	7	2.26	<10	0.51	787	8	0.03	<1	690	58	<5	<20	80	<0.01	<10	21	<10	3	101
QC DATA:																													
Resplit:																													
1	112506	0.4	1.07	45	65	<5	2.26	3	5	91	38	2.54	<10	0.51	780	7	0.04	<1	630	22	<5	<20	136	<0.01	<10	19	<10	2	216
Repeat:																													
1	112506	0.6	1.02	60	65	<5	2.29	2	6	82	34	2.55	<10	0.50	791	8	0.04	<1	640	26	<5	<20	134	<0.01	<10	18	<10	2	195
Standard:																													
GEO'98		1.0	1.71	60	160	10	1.72	<1	19	61	81	4.02	<10	0.93	683	<1	0.03	21	670	20	5	<20	58	0.11	<10	75	<10	4	69

df/410
XLS/98

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

22-Jul-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

Values in ppm unless otherwise reported

ICP CERTIFICATE OF ANALYSIS AK 98-336

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGUINSON

No. of samples received: 18
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Matt Fay

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	K1066	12.0	0.63	8765	60	<5	0.10	<1	40	73	184	5.30	<10	0.19	259	26	<0.01	<1	840	636	<5	<20	5	<0.01	<10	24	<10	<1	280
2	K1067	13.6	0.63	7575	60	<5	0.22	<1	22	92	187	3.55	<10	0.28	513	10	<0.01	<1	920	772	10	<20	6	<0.01	<10	19	<10	<1	463
3	K1068	10.8	0.54	>10000	45	<5	0.10	<1	6	43	115	4.46	<10	0.20	469	8	<0.01	<1	870	1650	25	<20	4	<0.01	<10	13	<10	<1	343
4	K1069	16.0	0.58	2235	50	35	0.06	<1	4	86	138	5.04	<10	0.20	211	12	<0.01	<1	860	1836	<5	<20	2	<0.01	<10	26	<10	<1	250
5	K1070	24.4	0.24	>10000	40	10	0.05	<1	15	59	229	>10	<10	<0.01	131	10	<0.01	<1	490	3574	255	<20	2	<0.01	20	8	<10	<1	3181
6	K1071	>30	0.60	>10000	60	<5	0.10	<1	12	43	321	>10	<10	0.07	269	13	<0.01	<1	810	7932	185	<20	4	<0.01	<10	19	<10	<1	2592
7	K1072	15.2	0.48	>10000	45	10	0.10	<1	22	71	138	>10	<10	0.03	108	10	<0.01	<1	1010	3768	85	<20	4	<0.01	<10	15	<10	<1	964
8	K1073	>30	2.02	>10000	90	<5	0.96	<1	14	42	825	>10	<10	0.61	944	12	0.03	<1	1260	6658	115	<20	49	0.03	<10	57	<10	<1	2090
9	K1074	11.2	0.16	>10000	70	<5	0.02	514	631	26	1431	>10	<10	<0.01	38	19	<0.01	17	30	1470	610	<20	<1	<0.01	40	5	<10	<1	5516
10	K1075	>30	0.73	6020	65	<5	0.15	<1	6	47	349	6.78	<10	0.11	206	6	0.01	<1	1320	5446	15	<20	4	<0.01	<10	24	<10	<1	1317
11	K1076	>30	2.88	5205	35	25	1.04	<1	38	97	335	8.57	<10	0.87	1176	7	0.08	<1	890	3440	<5	<20	45	0.03	<10	112	<10	<1	1615
12	K1077	>30	0.05	6905	110	<5	0.04	727	17	<1	8072	>10	<10	<0.01	933	10	0.04	<1	<10	8926	<5	<20	<1	<0.01	40	2	<10	<1	>10000
13	K1078	>30	0.19	7000	90	575	0.09	155	35	<1	4487	>10	<10	<0.01	288	18	0.03	5	<10	>10000	<5	<20	2	<0.01	50	10	<10	<1	>10000
14	K1079	19.8	1.12	2795	50	<5	0.98	65	10	51	388	>10	<10	0.24	1342	6	0.06	<1	1190	2816	<5	<20	22	0.05	<10	80	<10	<1	6958
15	K1080	4.2	1.93	1360	50	<5	0.81	15	13	29	314	9.69	<10	0.48	3065	14	0.04	<1	1170	198	<5	<20	18	0.07	<10	87	<10	<1	2280
16	K1081	3.8	1.10	8655	40	<5	0.47	<1	20	25	230	9.33	<10	0.19	1101	11	0.03	<1	1240	196	<5	<20	23	0.03	<10	43	<10	<1	344
17	K1082	4.0	1.01	>10000	40	<5	0.70	<1	20	44	169	7.33	<10	0.27	1639	9	0.02	<1	1150	276	<5	<20	16	0.05	<10	57	<10	<1	581
18	K1083	2.8	1.00	2120	50	5	0.46	<1	39	31	159	9.37	<10	0.22	1184	9	0.02	<1	1130	162	<5	<20	20	0.09	<10	67	<10	<1	578

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-336														ECO-TECH LABORATORIES LTD.				
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																													
Resplit:																													
1	K1066	12.4	0.60	8965	55	10	0.10	<1	40	62	190	5.39	<10	0.17	245	25	<0.01	<1	860	654	<5	<20	2	<0.01	<10	23	<10	<1	246
Repeat:																													
1	K1066	12.0	0.63	8660	55	<5	0.10	<1	40	70	182	5.22	<10	0.18	254	25	<0.01	<1	850	626	<5	<20	3	<0.01	<10	24	<10	<1	278
10	K1075	>30	0.73	5900	70	<5	0.14	<1	5	46	339	6.67	<10	0.11	205	6	0.01	<1	1290	5340	10	<20	4	<0.01	<10	24	<10	<1	1302
Standard:																													
GEO'98		1.0	1.71	55	155	<5	1.84	<1	18	62	82	3.94	<10	0.91	663	<1	0.03	18	620	18	<5	<20	60	0.11	<10	75	<10	3	68

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/342
XLS/98

30-Jul-98

ECO-TECH LABORATORIES LTD.
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ICP CERTIFICATE OF ANALYSIS AK 98-347R

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGVINSON

No. of samples received: 86
Sample type: Rock
PROJECT #: None Given
SHIPMENT #: None Given
Samples submitted by: Xplorer

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	K1084	10.0	0.34	275	50	<5	0.07	<1	40	56	359	7.79	<10	0.02	149	11	0.02	13	430	174	<5	<20	10	<0.01	<10	39	<10	<1	81
2	K1085	7.6	0.23	1050	70	<5	0.03	<1	32	41	181	5.13	<10	<0.01	91	5	0.03	8	340	36	<5	<20	8	<0.01	<10	34	<10	<1	111
3	K1086	20.4	0.35	1420	75	5	0.03	<1	25	95	136	8.24	10	<0.01	101	8	0.03	8	380	90	<5	<20	11	<0.01	<10	53	<10	<1	241
4	K1087	26.0	2.66	6550	55	65	2.19	9	1039	26	229	>10	<10	1.08	2698	9	0.10	2	790	256	<5	<20	32	0.05	<10	48	<10	<1	4825
5	K1088	2.6	2.02	100	45	<5	0.77	56	45	43	452	>10	<10	1.31	2401	8	0.03	10	1010	62	<5	<20	23	0.10	<10	58	<10	<1	5484
6	K1089	>30	3.92	>10000	60	155	0.49	<1	1417	55	269	>10	<10	2.01	3972	18	0.03	8	910	2934	<5	<20	13	0.04	<10	102	<10	<1	1713
7	K1090*	>30	1.72	>10000	40	99	0.95	<1	2552	40	369	16.54	<10	<0.01	2173	16	0.02	<1	1197	659	<5	<20	35	0.04	<10	44	<10	<1	3957
8	K1091*	1.8	2.87	163	42	<5	1.00	9	48	90	368	14.72	<10	1.85	3280	9	0.02	15	1285	33	<5	<20	35	<0.01	<10	84	<10	<1	1060
9	K1092	1.2	1.04	390	75	<5	0.26	<1	9	35	160	5.77	<10	0.43	517	6	0.05	6	880	30	<5	<20	16	0.02	<10	52	<10	<1	97
10	K1093	4.0	0.57	>10000	55	<5	0.25	<1	129	85	452	8.37	<10	0.12	359	11	0.02	10	580	88	60	<20	10	0.02	<10	20	<10	<1	121
11	K1094	9.0	1.30	>10000	50	<5	0.39	<1	93	54	632	>10	<10	0.57	715	10	0.04	23	660	162	5	<20	37	0.03	<10	41	<10	<1	303
12	K1095	2.6	1.76	585	35	10	0.82	25	24	26	120	7.92	<10	1.07	1466	3	0.08	11	1180	216	<5	<20	44	0.08	<10	65	<10	<1	2610
13	K1096	3.0	1.87	185	50	<5	1.03	22	24	33	128	7.48	<10	1.08	1410	4	0.09	5	1400	466	<5	<20	63	0.13	<10	75	<10	<1	1928
14	K1097	6.4	2.40	1250	45	15	1.06	38	116	30	154	>10	<10	1.31	1925	11	0.10	8	1410	1132	<5	<20	89	0.12	<10	87	<10	<1	4378
15	K1098	0.6	1.97	130	105	<5	1.13	<1	18	66	42	2.51	<10	0.50	563	6	0.22	6	610	42	5	<20	187	0.05	<10	30	<10	2	226
16	K1099	0.8	1.85	235	60	5	0.94	<1	32	33	37	5.49	<10	0.92	1176	2	0.14	6	1300	42	<5	<20	104	0.11	<10	90	<10	<1	192
17	K1100	<0.2	1.70	185	45	5	0.92	2	18	38	36	5.62	<10	0.90	1094	2	0.11	6	1280	30	<5	<20	78	0.12	<10	99	<10	<1	231
18	K1101	>30	0.07	>10000	90	<5	0.17	<1	118	12	>10000	>10	<10	<0.01	412	22	0.07	25	<10	2564	100	<20	3	0.02	50	3	<10	<1	1018
19	111732	2.2	2.39	765	90	<5	3.36	<1	15	43	155	5.29	<10	1.14	4357	5	0.03	41	980	122	5	<20	212	0.01	<10	58	<10	<1	453
20	111733	2.8	2.17	95	75	<5	2.66	18	22	42	158	5.18	<10	1.07	2371	4	0.04	60	3130	198	<5	<20	110	0.01	<10	63	<10	2	1863
21	111734	<0.2	1.81	55	85	10	2.65	<1	15	63	10	3.22	<10	0.84	1695	4	0.07	39	970	22	<5	<20	109	0.02	<10	57	<10	2	82
22	111735	2.2	2.39	20	90	<5	2.91	12	15	68	94	4.58	<10	0.95	2120	4	0.11	40	4050	192	<5	<20	124	0.04	<10	76	<10	3	1149
23	111736	1.0	2.35	40	110	<5	2.95	11	16	42	46	4.48	<10	1.04	1864	3	0.07	51	6010	58	5	<20	107	0.03	<10	68	<10	7	1025
24	111737	1.8	2.33	25	110	<5	2.39	15	15	58	46	3.66	<10	1.34	1668	3	0.09	32	970	298	10	<20	89	0.05	<10	56	<10	1	1404
25	111738	0.4	1.54	15	85	5	1.72	2	10	54	5	2.15	<10	0.82	1080	<1	0.08	18	660	196	5	<20	61	0.05	<10	35	<10	2	263

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-347											ECO-TECH LABORATORIES LTD.								
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	111739	0.6	3.16	45	100	15	0.98	2	21	77	15	6.30	<10	1.56	1957	7	0.10	58	940	112	<5	<20	70	0.04	<10	91	<10	<1	241
27	111751	0.6	2.33	45	85	5	1.27	2	18	43	12	5.72	<10	1.15	1816	6	0.05	41	950	40	<5	<20	64	0.01	<10	55	<10	<1	233
28	111752	0.6	0.76	410	110	<5	0.92	<1	15	12	10	1.69	<10	0.20	1128	2	0.02	33	410	24	10	<20	66	<0.01	<10	9	<10	5	101
29	111753	1.8	2.58	105	80	10	1.80	3	28	40	27	7.86	<10	1.18	2438	7	0.02	65	860	80	<5	<20	84	<0.01	<10	65	<10	<1	293
30	111754	1.2	1.64	25	65	10	1.50	6	12	41	24	4.59	<10	0.73	2064	5	0.02	27	810	108	<5	<20	70	<0.01	<10	36	<10	2	539
31	111755	14.6	1.06	>10000	55	20	2.06	<1	22	34	92	8.36	<10	0.47	7865	7	0.01	41	320	2080	255	<20	77	0.01	<10	28	<10	<1	3732
32	111756	0.6	1.92	135	65	5	3.20	3	17	65	14	4.92	10	1.02	2170	5	0.02	33	1930	70	<5	<20	102	<0.01	<10	61	<10	8	362
33	111757	0.2	1.27	50	60	5	2.28	2	15	69	8	2.69	10	0.69	1498	4	0.03	31	750	30	5	<20	63	<0.01	<10	42	<10	7	202
34	111758	0.6	1.26	60	40	5	2.27	2	15	81	14	2.35	10	0.62	1557	4	0.02	29	910	64	5	<20	84	<0.01	<10	50	<10	9	218
35	111759	1.0	0.89	30	50	<5	1.96	1	13	82	39	2.03	<10	0.48	1268	4	0.03	17	680	40	5	<20	77	<0.01	<10	30	<10	12	111
36	111760	0.8	1.61	350	65	<5	1.50	<1	17	54	18	4.58	<10	0.77	1628	6	0.02	41	1450	62	<5	<20	40	<0.01	<10	39	<10	6	144
37	111761	17.2	1.42	700	50	5	0.94	62	21	28	87	6.41	<10	0.71	2225	5	0.01	44	1110	5476	25	<20	32	<0.01	<10	31	<10	<1	6253
38	111762	3.0	1.11	1375	40	5	2.09	<1	16	38	81	4.66	<10	0.52	2197	7	0.01	35	810	492	15	<20	90	<0.01	<10	26	<10	1	777
39	111763	3.6	2.54	195	85	<5	1.92	3	31	42	233	6.64	<10	0.98	2296	9	0.02	57	1050	86	<5	<20	97	0.01	<10	65	<10	3	351
40	111764	1.4	2.83	110	80	<5	1.81	1	25	43	87	7.77	<10	1.08	2750	12	0.02	50	1240	22	<5	<20	106	<0.01	<10	69	<10	1	204
41	111765	3.0	2.86	790	70	<5	3.24	<1	16	41	163	7.94	<10	1.31	3698	10	0.02	56	1230	62	15	<20	140	<0.01	<10	70	<10	<1	464
42	111766	0.6	2.78	205	90	10	1.86	3	19	41	43	6.43	<10	1.09	1686	6	0.04	44	710	20	<5	<20	98	0.03	<10	72	<10	<1	421
43	111767	1.0	3.14	3665	70	<5	1.07	<1	23	44	102	9.46	<10	1.23	1607	11	0.04	63	760	28	<5	<20	57	0.02	<10	82	<10	<1	1091
44	111768	4.4	1.88	8865	55	<5	0.52	<1	20	25	120	7.74	<10	0.83	1158	11	0.02	53	880	348	5	<20	23	<0.01	<10	33	<10	<1	460
45	111769	8.0	2.23	8470	70	<5	0.76	<1	41	26	225	8.02	<10	0.78	1402	11	0.02	85	620	514	<5	<20	51	0.01	<10	35	<10	<1	2002
46	111770	2.4	2.70	120	85	10	0.66	10	24	42	101	7.87	<10	0.99	1727	9	0.03	55	960	260	<5	<20	39	0.03	<10	59	<10	<1	1026
47	111771	3.8	2.00	355	60	<5	0.97	8	29	39	125	6.47	<10	0.71	1196	8	0.03	56	670	308	<5	<20	73	0.02	<10	38	<10	<1	1088
48	111772	1.0	2.11	55	95	<5	1.23	8	25	63	73	4.09	<10	0.64	992	5	0.11	50	660	76	<5	<20	64	0.03	<10	42	<10	<1	904
49	111773	0.8	1.94	70	105	<5	1.47	6	21	53	56	3.82	<10	0.58	1159	6	0.10	39	670	78	<5	<20	64	0.02	<10	40	<10	<1	656
50	111774	1.2	1.61	80	80	<5	2.25	5	20	50	69	4.32	<10	0.60	1451	6	0.05	40	770	74	<5	<20	87	0.01	<10	35	<10	3	569
51	111775	1.8	1.51	225	80	<5	2.02	3	23	49	51	4.17	<10	0.58	1581	5	0.03	53	670	110	<5	<20	103	0.01	<10	27	<10	3	494
52	111776	2.8	1.18	80	60	<5	2.10	5	27	52	85	4.20	<10	0.45	1886	6	0.02	59	730	262	<5	<20	121	<0.01	<10	26	<10	2	599
53	111777	0.6	1.66	35	65	5	2.92	2	19	41	51	5.07	<10	0.66	1859	8	0.03	37	740	86	<5	<20	143	<0.01	<10	42	<10	2	204
54	111778	1.4	1.08	7270	55	5	3.27	<1	21	59	33	3.98	<10	0.41	2471	7	0.02	37	740	158	35	<20	186	<0.01	<10	31	<10	3	400
55	111779	1.0	0.77	115	75	<5	1.55	<1	11	42	28	2.19	<10	0.25	983	4	0.03	26	180	114	<5	<20	94	<0.01	<10	14	<10	1	206
56	111780	<0.2	1.08	70	85	5	1.00	<1	9	61	9	2.33	<10	0.37	878	4	0.03	17	220	14	<5	<20	46	0.01	<10	19	<10	1	42
57	111781	0.4	0.86	140	65	<5	1.22	2	13	76	19	2.16	<10	0.32	802	4	0.03	25	400	46	<5	<20	61	<0.01	<10	17	<10	2	265
58	111782	0.6	1.76	190	105	5	1.56	<1	21	21	18	4.66	<10	0.70	2176	5	0.02	48	1830	28	<5	<20	91	<0.01	<10	19	<10	3	73
59	111783	0.2	1.60	120	130	5	0.60	<1	17	38	13	3.66	<10	0.61	850	5	0.03	38	480	42	<5	<20	56	<0.01	<10	25	<10	<1	123
60	111784	0.6	2.65	175	110	15	1.31	<1	21	33	17	6.75	<10	1.13	1477	6	0.04	41	3100	68	<5	<20	78	<0.01	<10	36	<10	2	111

XPLORER GOLD CORPORATION — ICP CERTIFICATE OF ANALYSIS AK 98-347 — ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
61	111785	<0.2	0.36	75	75	<5	0.32	<1	10	88	13	0.91	<10	0.08	303	8	0.02	16	150	46	<5	<20	40	<0.01	<10	3	<10	<1	106
62	111786	1.2	1.32	180	110	<5	0.29	4	13	22	61	4.35	<10	0.40	1027	5	0.02	21	260	22	<5	<20	26	<0.01	<10	12	<10	<1	576
63	111787	1.2	0.66	130	75	<5	0.53	9	8	72	90	2.04	<10	0.20	504	5	0.02	12	260	60	<5	<20	32	<0.01	<10	3	<10	<1	1024
64	111788	0.8	0.72	75	75	<5	0.47	4	4	49	36	1.61	<10	0.24	628	4	0.03	6	100	56	<5	<20	34	<0.01	<10	4	<10	<1	394
65	111789	0.8	0.90	40	80	<5	0.55	15	5	42	54	2.42	<10	0.31	821	3	0.03	8	70	78	<5	<20	40	<0.01	<10	6	<10	<1	1413
66	111790	1.2	1.13	90	75	5	0.52	6	8	44	58	3.29	<10	0.43	1061	5	0.02	8	50	86	<5	<20	35	<0.01	<10	7	<10	<1	677
67	111791	2.4	1.45	75	75	<5	0.92	12	13	44	83	4.20	<10	0.60	1465	5	0.03	10	40	324	<5	<20	68	<0.01	<10	10	<10	<1	1219
68	111792	0.8	1.00	105	75	5	0.98	6	5	49	16	2.20	<10	0.40	999	4	0.04	7	50	136	<5	<20	70	<0.01	<10	6	<10	<1	539
69	111793	0.8	0.84	20	75	<5	0.66	1	4	44	16	1.85	<10	0.30	779	3	0.05	7	50	140	<5	<20	56	<0.01	<10	6	<10	<1	135
70	111794	1.0	0.46	185	60	<5	0.63	3	4	39	33	1.74	<10	0.22	824	3	0.03	7	40	122	<5	<20	50	<0.01	<10	4	<10	<1	447
71	111795	0.8	0.56	55	60	<5	0.68	4	6	63	21	1.50	<10	0.23	763	4	0.03	7	40	86	<5	<20	45	<0.01	<10	4	<10	<1	441
72	111796	2.8	0.66	125	65	<5	0.45	9	7	46	45	1.99	<10	0.23	912	3	0.02	7	30	236	<5	<20	25	<0.01	<10	3	<10	<1	1126
73	111797	3.0	0.76	560	65	<5	0.40	23	8	45	62	3.02	<10	0.26	1218	3	0.02	9	30	280	<5	<20	18	<0.01	<10	4	<10	<1	2854
74	111798	0.8	0.93	535	65	<5	0.91	9	13	66	35	2.31	<10	0.32	1331	5	0.04	9	40	122	<5	<20	48	<0.01	<10	6	<10	<1	1164
75	111799	1.8	1.05	440	75	<5	1.88	7	49	48	37	3.02	<10	0.52	2295	4	0.08	13	90	186	<5	<20	131	<0.01	<10	13	<10	<1	967
76	111800	0.8	0.70	1395	65	<5	1.09	<1	7	88	18	2.30	<10	0.39	1187	6	0.05	10	60	104	5	<20	92	<0.01	<10	15	<10	<1	202
77	111801	1.6	0.85	170	60	<5	1.15	5	24	49	52	2.77	<10	0.43	1030	4	0.04	11	250	236	<5	<20	89	<0.01	<10	14	<10	<1	606
78	111802	0.4	0.77	25	60	<5	1.14	<1	5	78	18	1.92	<10	0.35	777	4	0.05	6	450	56	<5	<20	105	<0.01	<10	12	<10	<1	95
79	111803	0.6	0.79	30	55	5	1.47	1	4	49	19	1.77	<10	0.41	987	3	0.04	7	360	88	<5	<20	128	<0.01	<10	12	<10	1	140
80	111804	1.0	0.72	140	50	<5	1.15	5	7	89	33	1.97	<10	0.37	865	6	0.03	7	380	124	<5	<20	92	<0.01	<10	10	<10	<1	657
81	111805	0.6	0.81	70	55	<5	1.15	3	6	61	24	1.78	<10	0.42	816	4	0.05	7	300	86	<5	<20	98	<0.01	<10	12	<10	<1	377
82	111806	0.6	0.72	15	45	<5	1.06	1	5	69	21	1.77	<10	0.38	784	4	0.04	6	430	86	<5	<20	88	<0.01	<10	13	<10	<1	140
83	111807	0.8	1.02	65	60	<5	1.46	2	13	56	37	2.86	<10	0.50	1007	6	0.05	10	420	112	<5	<20	131	<0.01	<10	18	<10	<1	256
84	111808	0.6	0.66	25	40	<5	0.97	11	5	65	24	1.69	<10	0.33	697	4	0.04	6	440	106	<5	<20	66	<0.01	<10	11	<10	<1	1118
85	111809	1.4	0.74	45	55	<5	1.04	9	14	50	53	2.81	<10	0.36	812	4	0.05	12	380	192	<5	<20	82	<0.01	<10	13	<10	<1	929
86	111810	0.8	0.52	100	75	<5	1.56	4	3	49	20	1.21	<10	0.39	851	3	0.05	5	480	138	5	<20	135	<0.01	<10	11	<10	3	410

XPLORER GOLD CORPORATION										ICP CERTIFICATE OF ANALYSIS AK 98-347												ECO-TECH LABORATORIES LTD.						
Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																													
Resplit:																													
1	K1084	11.0	0.36	315	40	<5	0.09	<1	44	60	390	8.54	<10	0.03	166	12	0.02	13	470	190	<5	<20	9	<0.01	10	43	<10	<1	93
36	111760	0.6	1.75	375	65	<5	1.59	<1	19	58	17	4.79	<10	0.82	1732	6	0.02	43	1510	68	<5	<20	38	<0.01	<10	41	<10	7	142
71	111795	1.0	0.59	50	55	<5	0.71	4	5	57	21	1.60	<10	0.24	804	3	0.03	7	50	90	<5	<20	43	<0.01	<10	4	<10	<1	476
Repeat:																													
1	K1084	9.8	0.33	290	45	<5	0.07	<1	40	56	361	7.84	<10	0.02	148	11	0.02	12	430	176	<5	<20	7	<0.01	10	39	<10	<1	82
10	K1093	4.2	0.57	>10000	60	<5	0.26	<1	128	83	457	8.28	<10	0.12	356	11	0.02	11	570	86	60	<20	11	0.02	<10	19	<10	<1	116
19	111732	2.2	2.24	720	85	<5	3.33	<1	14	41	165	5.30	<10	1.13	4341	5	0.03	42	990	122	<5	<20	209	0.01	<10	55	<10	<1	448
36	111760	0.6	1.52	325	60	5	1.45	<1	15	50	14	3.91	<10	0.65	1388	5	0.02	34	1280	56	5	<20	33	<0.01	<10	33	<10	5	128
45	111769	7.6	2.20	8270	65	<5	0.74	<1	39	16	214	7.84	<10	0.77	1383	11	0.02	83	620	504	<5	<20	48	0.01	<10	35	<10	<1	1950
54	111778	1.4	1.04	7235	55	<5	3.17	<1	21	4.10	30	3.88	<10	0.39	2389	7	0.02	36	730	176	35	<20	176	<0.01	<10	30	<10	3	384
71	111795	0.6	0.54	55	50	<5	0.67	4	5	60	19	1.46	<10	0.22	754	3	0.03	7	50	82	<5	<20	39	<0.01	<10	4	<10	<1	438
Standard:																													
GEO'98		1.2	1.76	60	165	10	1.73	<1	19	60	86	4.12	<10	0.96	706	<1	0.03	20	610	22	<5	<20	60	0.12	<10	80	<10	5	73
GEO'98		1.4	1.73	70	170	<5	1.76	<1	19	63	83	4.11	<10	0.96	720	<1	0.03	22	640	26	<5	<20	60	0.12	<10	78	<10	4	77
GEO'98		1.4	1.74	65	170	<5	1.76	<1	19	62	82	4.06	<10	0.96	702	<1	0.03	22	640	22	<5	<20	61	0.12	<10	78	<10	5	82

NOTE: * = Rerun Sample

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

df/332D
XLS/98

16-Jun-98

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

Values in ppm unless otherwise reported

ICP CERTIFICATE OF ANALYSIS AK 98-188

XPLORER GOLD CORPORATION
#102, 406-1708 DOLPHIN AVENUE
KELOWNA, BC
V1Y 4S4

ATTENTION: ERNIE BERGUINSON

No. of samples received: 31
Sample type: Rock
PROJECT #: SP,RC,LT
SHIPMENT #: 1
Samples submitted by: Eric Berguinson

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
1	M460451	90	2.4	7.07	605	55	5	4.59	43	14	143	230	6.89	<10	2.00	515	2	0.39	21	1860	252	95	<20	130	0.10	<10	146	<10	<1	2442
2	M460452	5	<0.2	1.96	45	75	<5	1.06	<1	18	93	62	3.42	<10	0.85	254	<1	0.27	25	1100	24	<5	<20	55	0.21	<10	131	<10	7	100
3	M460453	125	5.2	3.75	>10000	50	20	2.41	<1	23	89	80	6.54	<10	0.93	346	7	0.38	29	1140	58	55	<20	92	0.03	<10	99	<10	<1	1464
4	M460454	160	5.0	4.13	>10000	45	20	2.69	<1	21	93	86	6.44	<10	0.96	360	6	0.41	28	1160	54	30	<20	105	0.03	<10	97	<10	<1	1603
5	M460455	50	<0.2	0.50	650	60	<5	2.80	>1000	67	17	979	>10	<10	<0.01	1405	<1	0.04	161	360	28	<5	<20	7	0.03	<10	41	<10	<1	>10000
6	M460456	5	<0.2	0.96	215	55	<5	0.82	9	12	153	81	2.80	<10	0.95	237	44	0.11	47	2670	8	<5	<20	22	0.16	<10	562	<10	11	504
7	M460457	5	<0.2	0.71	35	45	<5	0.24	4	19	114	60	2.75	<10	0.76	123	8	0.04	46	850	6	<5	<20	3	0.05	<10	83	<10	2	244
8	M460458	5	<0.2	0.35	165	50	<5	4.05	>1000	42	17	508	>10	<10	<0.01	978	<1	0.05	111	2310	2	<5	<20	22	0.02	<10	21	<10	<1	>10000
9	M460459	5	<0.2	1.94	85	75	<5	1.45	4	12	94	40	2.19	<10	0.33	269	21	0.16	31	920	20	<5	<20	84	0.07	<10	79	<10	3	228
10	M460460	5	0.2	1.38	25	25	<5	1.22	4	18	70	75	2.78	<10	0.12	154	15	0.23	16	1070	42	<5	<20	66	0.10	<10	32	<10	3	200
11	M460461	5	0.4	1.17	10	25	<5	1.09	2	14	83	70	2.34	<10	0.07	104	32	0.20	23	930	26	<5	<20	63	0.09	<10	28	10	3	90
12	M460462	160	<0.2	0.67	325	35	15	8.77	927	10	35	135	8.34	<10	0.07	2508	<1	0.01	24	710	58	<5	<20	17	0.05	<10	76	<10	<1	>10000
13	M460463	5	<0.2	1.09	65	70	<5	1.05	3	21	57	154	4.05	<10	0.31	213	<1	0.21	21	1420	10	<5	<20	53	0.34	<10	49	<10	8	153
14	M460464	5	1.6	6.75	30	35	<5	4.92	4	58	29	754	8.32	<10	0.03	88	11	0.72	101	740	28	<5	<20	356	0.13	<10	15	10	<1	140
15	M460465	30	2.6	0.69	4525	45	<5	4.50	<1	92	16	1497	>10	<10	<0.01	1542	93	0.04	68	310	36	<5	<20	27	0.03	<10	65	100	<1	206
16	M460466	35	0.6	1.39	80	20	<5	7.84	3	9	20	166	5.15	<10	0.03	2659	39	0.07	14	760	12	<5	<20	118	0.04	<10	56	<10	<1	148
17	M460467	550	>30	0.83	45	70	<5	0.20	6	5	103	5766	3.08	<10	0.23	532	5	0.02	11	150	234	<5	<20	7	<0.01	<10	16	<10	<1	454
18	M460468	755	4.0	4.39	>10000	60	<5	4.02	<1	62	36	130	1.91	10	0.18	2092	1	0.11	39	540	118	10	<20	337	0.02	<10	18	10	4	83
19	M460469	150	2.4	1.81	85	75	<5	0.52	<1	46	53	223	>10	<10	0.67	1193	8	0.05	26	960	74	<5	<20	44	0.03	<10	48	<10	<1	71
20	M460470	5	0.4	3.77	30	175	<5	0.96	3	27	128	398	>10	<10	1.05	1177	8	0.12	85	1470	56	<5	<20	76	0.06	<10	172	<10	3	102

XPLORER GOLD CORPORATION — ICP CERTIFICATE OF ANALYSIS AK 98-188 — **ECO-TECH LABORATORIES LTD.**

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
21	M460471	45	7.4	1.63	345	105	<5	1.32	1	23	37	1389	1.69	<10	0.53	1012	<1	0.08	27	880	84	<5	<20	93	0.03	<10	34	<10	3	167
22	M460472	5	9.2	1.34	1025	65	<5	2.26	12	101	49	2193	>10	<10	0.04	359	54	0.09	38	1180	76	<5	<20	272	0.05	<10	61	10	<1	845
23	M460473	>1000	>30	1.55	>10000	65	<5	1.80	<1	2760	37	>10000	>10	<10	0.14	1343	9	0.04	319	<10	2346	90	<20	161	0.01	<10	23	<10	<1	>10000
24	M460474	15	1.6	0.67	2045	70	<5	4.75	75	90	24	614	>10	<10	<0.01	1425	11	0.03	262	810	20	<5	<20	28	0.04	<10	45	<10	<1	3575
25	M460475	15	7.8	2.35	335	40	<5	1.49	11	28	59	311	6.38	<10	0.15	307	71	0.19	66	1040	228	<5	<20	126	0.05	<10	76	10	<1	538
26	M460476	5	1.6	0.69	110	15	<5	0.72	<1	17	56	177	3.46	<10	0.02	112	109	0.14	91	880	28	<5	<20	71	0.06	<10	28	<10	4	38
27	M460477	5	<0.2	1.12	30	60	10	0.77	<1	17	138	48	2.57	<10	1.01	240	20	0.11	33	1920	12	5	<20	32	0.22	<10	99	<10	8	23
28	M460478	500	>30	0.33	105	45	1940	0.91	>1000	18	11	452	>10	<10	<0.01	1220	5	0.05	14	970	>10000	<5	<20	23	0.02	<10	30	<10	<1	>10000
29	98-I-KS-FO1	5	0.4	2.39	10	85	5	5.80	6	39	156	116	7.54	<10	3.15	1228	3	0.25	49	1190	46	<5	<20	240	<0.01	<10	208	<10	2	182
30	89-I-YB-RO1	5	2.4	1.99	260	50	<5	0.69	<1	157	120	125	>10	<10	1.46	281	10	0.03	513	3620	62	25	<20	34	<0.01	<10	47	<10	<1	56
31	98-YB-FO1	5	0.6	2.43	25	45	10	0.14	2	20	44	56	7.03	<10	1.01	172	5	0.03	41	490	40	<5	<20	15	<0.01	10	53	<10	<1	131
QC DATA:																														
Repeat:																														
1	M460451	115	2.2	6.72	595	50	15	4.39	41	15	137	220	6.65	<10	1.92	498	2	0.38	20	1830	250	100	<20	120	0.10	<10	141	<10	<1	2381
10	M460460	5	0.2	1.35	20	25	<5	1.21	3	18	70	74	2.74	<10	0.11	160	15	0.23	15	1090	40	<5	<20	65	0.11	<10	32	<10	3	184
19	M460469	-	2.2	1.86	85	80	<5	0.52	<1	46	55	227	>10	<10	0.70	1231	9	0.05	28	930	74	<5	<20	45	0.03	<10	50	10	<1	71
20	M460470	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																														
GEO'98		155	1.2	1.68	60	155	<5	1.90	<1	19	62	76	4.04	<10	0.98	654	<1	0.03	25	670	20	<5	<20	57	0.12	<10	74	<10	4	66

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
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Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: XPLORER GOLD CORP.

102 - 406 1708 DOLPHIN AVE.
KELOWNA, BC
V1Y 9S4

Project : RED CAP
Comments: ATTN:ERNIE BERGVINSON

Page Number :1
Total Pages :1
Certificate Date: 16-SEP-199
Invoice No. :I9830366
P.O. Number :
Account :QLS

CERTIFICATE OF ANALYSIS A9830366

SAMPLE	PREP CODE		Au g/t	Ag g/t	Cu %	Pb %	Zn %	Co %				
244051	208	226	1.41	1.4	0.01	< 0.01	0.12	0.011				
244052	208	226	4.50	10.3	0.03	0.01	0.31	0.007				
244053	208	226	0.12	1.0	0.01	< 0.01	0.08	0.001				
244054	208	226	0.12	1.0	< 0.01	< 0.01	0.04	0.001				
244055	208	226	4.26	18.9	0.04	0.01	2.77	0.026				
244056	208	226	33.21	122.5	0.10	0.14	7.37	0.010				
244057	208	226	1.11	28.4	0.02	0.05	5.12	0.006				
244058	208	226	2.31	11.9	0.02	0.02	1.28	0.004				
244059	208	226	10.32	39.5	0.03	0.06	2.24	0.004				
244060	208	226	7.59	38.9	0.03	0.09	2.10	0.021				
244061	208	226	0.72	5.9	0.01	0.01	0.29	0.003				
244062	208	226	1.38	4.6	0.01	0.01	0.14	0.018				
244063	208	226	3.30	16.9	< 0.01	0.09	0.36	0.037				
244064	208	226	4.02	40.6	0.01	0.17	0.53	0.148				
244065	208	226	0.15	13.3	0.01	0.11	0.31	0.007				
244066	208	226	0.06	1.8	< 0.01	0.01	0.04	-----				
244067	208	226	< 0.03	0.7	< 0.01	0.02	0.06	-----				
986R1	208	226	0.27	>350	0.17	17.30	15.35	< 0.001				
MRC1000	208	226	3.00	231	0.69	2.20	0.22	0.006				

CERTIFICATION: David Chung

APPENDIX II

DRILLING LOGS

Area: Red Cap (LJ) | Latitude: 50+07E | DDH | Bearing: 130° | Date Started: July 17, 1998
Contractor: Falcon Drilling | Departure: 40+10N | LJ-98-1 | Inclination @ collar: -45° | Date Completed: July 18, 1998
Core Size: BTW | Elevation: 1768 m | Total Depth: 203.61 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
0.00	2.50	2.50	CASING, andesite pebbles only, no recovery										
2.50	9.15	6.65	ANDESITE TUFF, minor interlayered sediment horizons (argillite mudstone); med-grey, well bedded, v.f.g. intermediate volcanic tuff; dk-grey mn / chlorite mm-wide bankds define bedding 45°-50°); rare <cm-wide qtz veinlets in fracture zones 8.50 bedding 70° 8.75-9.00 1-2% pyrite cubelets/blebs along bedding planes @ 70° to ca	8.50	10.00	1.50	111732	<0.03	2.20	165	15	122	448
9.15	10.30	1.15	RHYOLITE TUFF, white/lt.grey, silicified felsic volcanic tuff (45°-50° bedding); dk-grey chlorite fracture filling; brittle deformation 9.35-9.42 40° quartz-chlorite vein, ½% local pyrite lower contact, subtle, 50°	10.00	11.50	1.50	111733	<0.03	2.8	158	22	198	1863
10.30	18.00	7.70	ANDESITE TUFF, med-grey, lighter grey sections silicified; rare epidote blebs rounded <cm² (55-65° bedding) 13.60-13.85 1% Py/Po, ½% Cpy blebs as fracture healing, minor epidote association, leucoxene crystals commonly sprinkle unit 14.10-14.90 longitudinal fracture, quartz-carbonate filling, Po/Py dissem cubes/blebs 15.22-15.25 semi-massive Po 17.00-17.80 open longitudinal quartz-carbonate coated fracture, trace Pb, S, V disseminated along open faces	11.50	13.00	1.50	111734	<0.03	<0.2	10	15	22	82
				13.00	14.50	1.50	111735	<0.03	2.2	94	15	192	1149
				14.50	16.00	1.50	111736	<0.03	1.0	46	16	58	1025
				16.00	17.50	1.50	111737	<0.03	1.8	46	15	298	1404
				17.50	19.00	1.50	111738	<0.03	0.4	5	10	196	263
18.00	21.45	3.45	RHYOLITE TUFF, weak breccia zone; 50° bedding overprinted by <mm qtz veinlets with chlorite; sulphate margins for mm widths on opposite plane to bedding; minor horizons (<10 cm) of andesite breccia clasts / interfingers; vuggy 65° qtz vein <1 cm width										
21.45	23.50	2.05	ANDESITE TUFF, minor argillaceous mudstone horizons; silicified med-dk.grey v.f.g. intermediate volcanic; lower contact 30°	23.40	24.50	1.10	111739	<0.03	0.6	15	21	112	241
23.50	23.75	0.25	RHYOLITE TUFF, lt.grey, silicified, strongly bedded										

Area: Red Cap (LJ) | Latitude: 50+07E | DDH | Bearing: 130° | Date Started: July 17, 1998
Contractor: Falcon Drilling | Departure: 40+10N | LJ-98-1 | Inclination @ collar: -45° | Date Completed: July 18, 1998
Core Size: BTW | Elevation: 1768 m | Total Depth: 203.61 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			felsic volcanic (bedding 30°-35°) lower contact 30°										
23.75	30.15	6.40	ANDESITE TUFF, argillaceous mudstone horizons; silic andesite, med.grey with dk.grey sed intersections 24.15-24.30 ½-1% Py blebs scattered through-out, minor qtz-filled fractures at high angles, weakly chloritized 29.90-30.05 20° cross-cutting micro-fractures, weak chloritiz fractures sharp lower contact 50°										
30.15	30.85	0.70	ARGILLACEOUS MUDSTONE, dk.grey, massive, very siliceous; disseminated Py rounded blebs to ½% over 10 cm widths concordant to bedding @ 50° lower contact 45°	29.60	31.10	1.50	111751	<0.03	0.6	12	18	40	233
30.85	31.35	0.50	ANDESITE TUFF, med.grey, v.f.g. (weak Py fracture coating) bedding variable 35°-45°; weak mm-wide Py fracture filling 65°-70°; lower contact shart at 47°	31.10	32.60	1.50	111752	<0.03	0.6	10	15	24	101
31.35	35.40	4.05	RHYOLITE TUFF / ARGILLACEOUS MUDSTONE BANDS, lt.grey <3 cm wide andesite tuff bands randomly at 45°-50° define bedding; dk.grey lapilli elongate blebs to cm scale; leucoxene crystals on mm² scale thru-out. 32.55-33.30 broken, fractured core @ 75° 33.30-33.65 mudstone horizon @ 50°, charac-teristic Py blebs mm scale, random broken contact										
35.40	38.60	3.20	MUDSTONE, dk.grey, v.silicified, v.f.g.; trace Py v.dissem, contact 45°										
38.60	45.50	6.90	ANDESITE TUFF / ARGILLACEOUS MUDSTONE inter-sections which are Py-enhanced to 1% locally, Py as mm² rounded blebs; andesite = med.grey, v.siliceous; dacite = dk.grey, massive, silicified; bedding 45°-60° 37.10-37.80 1% Py micro-veinlets at low angles to c.a., weak 45° qtz veinlets ± 1% Py marginally 39.30-40.00 2% Aspy, 2% Py, ½% Po in frac-tures, qtz-veined; ½% Sph, tr Cpy,	36.80	37.60	0.80	111753	0.04	1.8	27	28	80	293
				37.60	38.40	0.80	111754	<0.03	1.2	24	12	108	539
				38.40	39.20	0.80	111755	5.81	14.6	92	22	2080	3732
				39.20	40.00	0.80	111756	0.15	0.6	14	17	70	362

Area: Red Cap (LJ) | Latitude: 50+07E | DDH | Bearing: 130° | Date Started: July 17, 1998
Contractor: Falcon Drilling | Departure: 40+10N | LJ-98-1 | Inclination @ collar: -45° | Date Completed: July 18, 1998
Core Size: BTW | Elevation: 1768 m | Total Depth: 203.61 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			chloritized stratigraphic 'top', moderately brecciated										
			40.60-40.80 broken core, bedding 45°										
			41.80-42.30 broken core										
			silicified zones randomly, weak assoc tr Py blebs are lighter grey colored	43.85	45.05	1.20	111757	<0.03	0.2	8	15	30	202
			lower contact diffuse 65°										
45.50	47.10	1.60	RHYOLITE TUFF / LAPILLI TUFF, lt.grey silicified, with dk.grey altered and lapilli (weak chloritic lapilli)	45.05	46.35	1.30	111758	<0.03	0.6	14	15	64	218
			46.20-46.80 longitudinal 2 mm wide qtz-talc veinlets, no visible sulphides	46.35	47.85	1.50	111759	<0.03	1.0	39	13	40	111
			lower contact diffuse 60°										
47.10	53.90	6.80	ANDESITE TUFF / LAPILLI TUFF, med.grey; bedding 60°-65°; lt.grey mm² lapilli										
			47.85-47.92 Po blebs to cm² within epidote rims										
			51.85 2 mm wide Py veinlet 40° to c.a.	51.20	52.70	1.50	111760	0.07	0.8	18	17	62	144
			52.30 bedding 60°				repeat	0.4	0.6	14	15	56	128
			52.40-52.55 1% Py, 2% Po, v.magnetic along bedding planes as blebs/'necklaces'	52.70	53.70	1.00	111761	1.29	17.2	87	21	5476	6253
			lower contact, sharp, broken, 50°										
53.90	55.70	1.80	RHYOLITE TUFF, minor andesite horizons, brecciated, quartz-flooded with 1% Py, 1% Po marginal to clasts; iron carbonate alteration, lt.orange	53.70	54.70	1.00	111762	0.08	3.0	81	16	492	777
			54.50-54.75 silicified strongly, cross-cut by Py micro-veinlets to 2% locally	54.70	56.20	1.50	111763	<0.03	3.6	233	31	86	351
			lower contact sharp 65°										
55.70	67.90	12.20	ANDESITE TUFF > minor argillaceous mudstone horizons; med.grey andesite tuff; dacite horizons 10-20 cm med. grey, massive; weak <10cm epidote ± Py to 1% locally; Py fracture coating rarely										
			57.60-57.65 15° brittle deformatin; qtz-filled frac	56.20	57.70	1.50	111764	<0.03	1.4	87	25	22	204
			58.10-58.20 qtz-filled 10-15° micro-fracture										
			58.30-58.45 broken core, chlorite/quartz frac ctg	57.70	59.20	1.50	111765	<0.03	3.0	163	16	62	464
			58.35 65° chlorite/qtz-filled shear, tr associated Py	59.20	60.70	1.50	111766	<0.03	0.6	43	19	20	421
			58.40-59.80 brecciated, qtz fracture, bedding 55°, tr Py to 1%, 1-2% Po along bedding planes; 0.5 cm rounded segregations	60.70	62.20	1.50	111767	<0.03	1.0	102	23	28	1091
				62.20	63.70	1.50	111768	0.13	4.4	120	20	348	460
			61.40-67.60 1-4% Po, 2% Py, tr Aspy, remobilized in weak brecciated zone and	63.70	65.20	1.50	111769	0.22	8.0	225	41	514	2002

Area: Red Cap (LJ) | Latitude: 50+07E | DDH | Bearing: 130° | Date Started: July 17, 1998
Contractor: Falcon Drilling | Departure: 40+10N | LJ-98-1 | Inclination @ collar: -45° | Date Completed: July 18, 1998
Core Size: BTW | Elevation: 1768 m | Total Depth: 203.61 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			concordantly @ 60°				repeat	0.21	7.6	214	39	504	1950
			67.60-67.90 increasingly silicified, lighter grey coloration, less brecciated than 61.40-67.60	65.20	66.70	1.50	111770	<0.03	2.4	101	24	260	1026
				66.70	68.20	1.50	111771	<0.03	3.8	125	29	308	1088
67.90	79.55	11.65	ANDESITE LAPILLI TUFF, lt.grey and dk.grey lapilli, f.g. (mm²) in med.grey silicified andesite matrix; weak bedding at 55°, chloritic local qtz-filled weak breccia; tr-1% Po in 25-35° low angle fractures, ± tr Sph lapilli partly resorbed; rare ovoid ~2cm² 'clasts', bedding 45°	68.20	69.70	1.50	111772	<0.03	1.0	73	25	76	904
				69.70	71.20	1.50	111773	<0.03	0.8	56	21	78	656
				71.20	72.70	1.50	111774	<0.03	1.2	69	20	74	569
				72.70	74.20	1.50	111775	<0.03	1.8	51	23	110	494
			74.90-75.00 44° chlorite-cuartz filled shear, ½% Po/Py marginally	74.20	75.70	1.50	111776	<0.03	2.8	85	27	262	599
			79.00-79.55 bleached, altered; increasingly silicified to contact at 67°	78.30	79.55	1.25	111777	<0.03	0.6	51	19	86	204
79.55	79.95	0.40	RHYOLITIC PYROCLASTIC BRECCIA -> tuff; lt.grey / white, f.f., silicified matrix with med.grey andesite breccia clasts to 0.5 cm² and white remobilized rhyolite fragments 0.5 cm², angular to sub-rounded; random quartz veinlets at high angles to c.a.; lower contact shart and quartz-veined @ 60°										
79.95	80.30	0.35	BRECCIATED SHEAR ZONE @ 65° to c.a., S.Kaol mod.chloritc, soft, altered; dissem Py/Aspy to 1% concordantly, contact 60°	79.55	80.85	1.30	111778	0.61	1.4	33	21	158	400
							repeat	0.64	1.4	30	21	176	384
80.30	80.85	0.55	RHYOLITE, altered, pyroclastic, mod.fractured and quartz-veined alteration zone, kaolinitized, silicified andesite/rhyolite fragments to <cm² in lt.grey silicified matrix										
80.85	95.20	14.35	ANDESITE TUFF, med.grey, becomes massive, poorly bedded after 80.85-81.60 contact/alteration zone; ½-1% Po/Py veinlets enclosed by 2 mm wide bleach/ alteration halos; predominantly silicified: qtz overgrowths hackly texture; bedding 65-70°; tr Py/Po randomly distributed; probable tuff horizons with more siliceous lighter grey tops that are fractured moderately.	80.85	82.35	1.50	111779	<0.03	1.0	28	11	114	206
				82.35	83.85	1.50	111780	0.15	<0.2	9	9	14	421
				83.85	85.35	1.50	111781	0.03	0.4	19	13	46	265
			88.90-90.40 bleached and fractured moderately, 20° fractures predominate; ± epidote ½% Po/Py disseminated	89.00	90.50	1.50	111782	0.03	0.6	18	21	28	73
			91.00 bedding 60°										
			93.00-94.20 increasingly silicified, lt.grey (halo)										
			93.35-93.42 brecciated, S.fractures; hematite/										

Area: Red Cap (LJ) | Latitude: 50+07E | DDH | Bearing: 130° | Date Started: July 17, 1998
Contractor: Falcon Drilling | Departure: 40+10N | LJ-98-1 | Inclination @ collar: -45° | Date Completed: July 18, 1998
Core Size: BTW | Elevation: 1768 m | Total Depth: 203.61 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			limonite staining @ 55° to c.a.										
			93.42-94.20 20° fractures, hematite/limonite, quartz veinlets, mod.fractured	92.50	94.00	1.50	111783	0.06	0.2	13	17	42	123
			94.95-95.00 1% Po/Py in 65-70° quartz veinlets	94.00	95.20	1.20	111784	0.20	0.6	17	21	68	111
			lower contact subtle 60°										
95.20	99.00	3.80	RHYOLITE TUFF, minor dk.grey argillaceous mudstone horizons; silicified, lt.grey, weakly fractured/brecciated felsic volcnaic; tr Py v.dissem.	95.20	96.70	1.50	111785	<0.03	<0.2	13	10	46	106
				96.70	98.20	1.50	111786	0.04	1.2	61	13	22	576
			96.55-96.80 dk.grey argillite horizon, tr Po/Py dissem										
			98.65-99.00 tr Po/Py, semi massive specular hematite										
			98.77-98.78 specular hematite flooding along 55° fracture										
			lower contact 50°										
99.00	99.70	0.70	ANDESITE TUFF, weakly fractured @ 50-55° to c.a.; hematite + limonite, broken	98.20	99.70	1.50	111787	0.08	1.2	90	8	60	1024
99.70	102.20	2.50	RHYOLITE TUFF, tuff brecciated; weak to mod fractured, silicified, lt.grey, v.f.g. tuff; clasts partly resorbed andesitic fragments to cm²; tr-1% Po>Py along fracture planes and veinlets	99.70	100.70	1.00	111788	<0.03	0.8	36	4	56	394
				100.70	101.70	1.00	111789	<0.03	0.8	54	5	78	1413
			100.30-100.45 2% Po, 1% Py, 3% Sph, semi massive										
			100.45 tr Sph, ½-1% Po/Py dissem to contact, subtle										
				101.70	102.70	1.00	111790	<0.03	1.2	58	8	86	677
102.20	136.30	34.10	RHYOLITE, pyroclastic (flow?) breccia/agglom in part; lt.grey silic rhyolite matrix suspens v.angular var-sized (mm, 2-3 cm²) andesite and rhyolite clasts, agglom.horizons; 40-60° clast axis orientation; weak epidote alteration zones 10-20 cm wide; clasta are partially resorbed into matrix										
			102.20-103.50 tr-1% Po/Py, tr Sph, tr Cpy concentrated along high-angle fracture planes; unit is var.silicified; clasts var.chloritized; reaction rims assoc with Py/Po bleb in tr-½% quantities	102.70	104.20	1.50	111791	0.10	2.4	83	13	324	1219
				104.20	105.70	1.50	111792	0.04	0.8	16	5	136	539
				105.70	107.20	1.50	111793	<0.03	0.8	16	4	140	135
				107.20	108.70	1.50	111794	0.04	1.0	33	4	122	447
				108.70	110.20	1.50	111795	<0.03	0.8	21	6	86	441
							repeat	<0.03	0.6	19	5	82	438
			110.45-110.50 1% Po/Py in 40° fracture, tr Cpy	110.20	111.70	1.50	111796	<0.03	2.8	45	7	236	1126
			112.10-112.65 1-2% Po/Py, 2-3% spec.hematite	111.70	113.20	1.50	111797	0.16	3.0	62	8	280	2854
			113.05 mm-scale almandine garnets x2	113.20	114.70	1.50	111798	<0.03	0.8	35	13	122	1164
			114.80-114.85 mm-scale almandine garnets in horizon										

Area: Red Cap (LJ) | Latitude: 50+07E | DDH | Bearing: 130° | Date Started: July 17, 1998
Contractor: Falcon Drilling | Departure: 40+10N | LJ-98-1 | Inclination @ collar: -45° | Date Completed: July 18, 1998
Core Size: BTW | Elevation: 1768 m | Total Depth: 203.61 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			114.85-115.10 1-2% Po/Py fracture filling, tr Aspy common; Po/Py blebs common in reaction rims of clasts	114.70	116.20	1.50	111799	<0.03	1.8	37	49	186	967
				116.20	117.70	1.50	111800	<0.03	0.8	18	7	104	202
			117.65-117.70 fracture zone @ 80°, qtz-Py filling; Py 3-4% as cubes; tr Aspy dissem	117.70	119.20	1.50	111801	<0.03	1.6	52	24	236	606
				119.20	120.70	1.50	111802	<0.03	0.4	18	5	56	95
				120.70	122.20	1.50	111803	<0.03	0.6	19	4	88	140
				122.20	123.70	1.50	111804	0.03	1.0	33	7	124	657
			122.60 cm-wide 40° shear, 2-3% Po/Py, tr Aspy	123.70	125.20	1.50	111805	<0.03	0.6	24	6	86	377
			124.68 cm-wide semi-massive Po vein @ 55° to c.a.	125.20	126.70	1.50	111806	<0.03	0.6	21	5	86	140
			126.70-127.50 open, limonitic longitudinal fracture, Po/Py <1% on fracture faces and dissem, Py cubelets <mm²	126.70	128.20	1.50	111807	<0.03	0.8	37	13	112	256
				128.20	129.70	1.50	111808	0.03	0.6	24	5	106	1118
			129.70-130.15 longitudinal fracture, 1% Py, 1% Po, tr Sph	129.70	131.20	1.50	111809	0.28	1.4	53	14	192	929
				131.20	132.70	1.50	111810	<0.03	0.8	20	3	138	410
				132.70	134.20	1.50	111811	<0.03	0.4	17	4	76	333
			134.00 mm-scale almandine garnets dissem				repeat	<0.03	0.4	17	4	94	355
			135.70-136.10 3% Py, 1% Po, tr Sph in epdiote/ chlorite/ silicified fracture zone, tr Cpy + bornite, shear @ 35° to ca	134.20	135.70	1.50	111812	<0.03	1.0	26	3	88	391
				135.70	136.70	1.00	111813	0.07	12.2	683	14	520	7243
136.30	143.50	7.20	RHYOLITE TUFF BRECCIA / tuff; clasts thinning out, predominantly matrix (tuff), v.silicified, bedding 50°; mod.chloritized clasts; local kaolinitized shear zone (<10 cm); contact 70°	136.70	138.20	1.50	111814	<0.03	0.4	9	3	84	337
				138.20	139.70	1.50	111815	<0.03	<0.2	11	3	48	167
				139.70	141.20	1.50	111816	<0.03	0.6	30	7	62	197
				141.20	142.50	1.30	111817	<0.03	1.4	31	7	150	339
				142.50	143.50	1.00	111818	0.12	25.8	497	16	2196	1963
143.50	144.50	1.00	FAULT ZONE, mineralized variably along shear planes; pods of semi-massive Py to 5% locally; ½% Sph, ½% Cpy, 1-2% Po, ±bornite, ½% galena; fault is strongly kaolinitied; secpular hematite fracture filling over 5 cm intersections; oxidized, limonitic, brecciated; contact 70°	143.50	144.50	1.00	111819	0.35	18.2	368	12	1582	8863
144.50	145.20	0.70	RHYOLITIC PYROCLASTIC / AGGLOMERIATE, lt.green epidote-altered rhyolite matrix with 1-3 cm² rounded and sub-angular andesite clasts; tr Po/Py only, very dissem, 50° subtle contact	144.50	146.00	1.50	111820	<0.03	1.4	37	4	288	178
							repeat	<0.03	1.8	38	4	328	202
145.20	156.35	11.15	ANDESITE AGGLOMERATE / BRECCIA, pyroclastic flow, med.grey, v.f.g. matrix supports 1-3 cm sub-rounded felsic volcanics and intermediate volcanic clasts; 60-65° <cm wide fractures are Po-enhanced to 3% locally	146.00	147.50	1.50	111821	<0.03	0.2	15	4	56	134
				147.50	149.00	1.50	111822	<0.03	0.4	32	7	52	224
				149.00	150.50	1.50	111823	0.12	0.8	23	7	114	399
				150.50	152.00	1.50	111824	<0.03	1.2	20	6	354	353
			148.80 cm wide Py/Po/Sph vein @ 45° to ca	152.00	153.50	1.50	111825	<0.03	1.0	15	6	222	265

Area: Red Cap (LJ) | Latitude: 50+07E | DDH | Bearing: 130° | Date Started: July 17, 1998
Contractor: Falcon Drilling | Departure: 40+10N | LJ-98-1 | Inclination @ collar: -45° | Date Completed: July 18, 1998
Core Size: BTW | Elevation: 1768 m | Total Depth: 203.61 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			152.05-152.25 lt.green chloritic zone	153.50	155.00	1.50	111826	<0.03	0.4	15	6	48	147
				155.00	156.50	1.50	111827	<0.03	0.4	37	11	46	323
156.35	162.25	5.90	RHYOLITE AGGLOMERATE / PYROCLASTIC breccia flow, lt.grey v.silic matrix holds sub-rounded to sub-angular 1-3 cm² clasts; Py/Po within high-angle fractures and v.dissem to 1-2% locally; andesite and rhyolite breccia clasts throughout, partly resorbed by matrix; bedding 50°	156.50	158.00	1.50	111828	<0.03	0.4	18	7	54	222
			160.50-166.25 increasingly silicified/bleached gradual contact 55°										
162.25	163.60	1.35	ANDESITE TUFF, scattered clasts/bombs, med.grey, silic.intermediate volcanic tuff with bleached rhyolite ± chlorite intermediate clasts/bombs sub-rounded to sub-angular, 1-3 cm², rare Po margins to 1% locally; contact 70°, faulted, kaolinitized	162.50	164.00	1.50	111829	<0.03	0.4	10	6	18	87
							repeat	<0.03	0.2	9	6	28	84
163.60	166.75	3.15	ANDESITE AGGLOMERATE, intermediate volcanic matrix, med.grey, felsic; volcanic clasts/pebbles; no visible sulphides										
166.75	175.85	9.10	RHYOLITE TUFF BRECCIA, angular 1-2,3 cm² clasts chloritized/altered with alteration rims (into clasts) accompanied by tr Po/Py disseminations										
			170.40-170.60 fractured / sheared, weakly kaolinitized, 2-3% Py, 1% Po	170.00	171.50	1.50	111830	<0.03	0.6	44	12	28	188
175.85	178.75	2.90	RHYOLITE AGGLOMERATE, both rhyolite and andesite pebbles suspended in lt.grey aphanitic silicified matrix; tr Py v.v.dissem only, bedding 60°										
178.75	203.61	24.86	RHYOLITE TUFF, sparse chlorite lapilli, fragments										
			178.75-178.95 3-5% Po, 2% Py, 1% magnetite in breccia contact zone. S fracture rhyolite lt.grey/white with dk.green/ white/drk.grey lapilli/fragments, mm-cm?; sulphides localized in fractures/veinlets & dissem mm? cubes; minor epidotized intersec- tions <10 cm widths; magnetite stringers randomly throughout	178.50	180.00	1.50	111831	<0.03	0.4	29	8	18	51
			181.10 massive magnetite band (0.5 cm wide) @ 25° to c.a., ½% Po; magnetimte banding commin in <mm width veinlets	180.00	181.50	1.50	111832	<0.03	0.2	25	7	14	53

Area: Red Cap (LJ) | Latitude: 50+07E | DDH | Bearing: 130° | Date Started: July 17, 1998
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Core Size: BTW | Elevation: 1768 m | Total Depth: 203.61 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			188.80-188.90 1-2% Po + magnetite veinlets 25° ca	188.50	190.00	1.50	111833	<0.03	0.4	26	5	60	490
			190.05-190.10 1-2% Po/py + magnetite veinlets at 65° to c.a., bedding/fol @ 60°	190.00	191.50	1.50	111834	<0.03	1.2	35	12	232	754
			190.10-190.40 70° fracture zone, 3-4% Py, hem/lim + clay/talc along shear; unit is often fracture and qtz-rehealed	195.40	196.90	1.50	111835	<0.03	0.2	28	6	6	159
				196.90	198.40	1.50	111836	<0.03	<0.2	31	6	4	158
			195.20-200.05 ½% Po veinlets high-angle to c.a.	198.40	199.90	1.50	111837	<0.03	0.4	52	9	6	107
			201.05-201.30 ½% Po veinlets high-angle to c.a.	199.90	201.40	1.50	111838	<0.03	<0.2	43	7	8	89
			202.10-202.20 ½% Po veinlets high-angle to c.a.; 5 - 40° Po veinlets, mm widths	201.40	202.40	1.00	111839	<0.03	<0.2	40	8	6	167
			202.40-203.50 ½% Po veinlets high-angle to c.a. 5 - 40° Po veinlets, mm widths	202.40	203.61	1.21	111840	<0.03	<0.2	23	7	4	97
		203.61	Total Depth										

Area: Red Cap (LJ)
Contractor: Falcon Drilling
Core Size: BTW

Latitude: 30+17N
Departure: 50+07E
Elevation: 1786 m

DDH LJ-98-2

Bearing: 130°
Inclination @ collar: -45°
Total Depth: 147.30 m

Date Started: July 18, 1998
Date Completed: July 18, 1998
Logged By: R. I. Nichol

From m	To m	interval m	Lithology
0.00	1.52	1.52	CASING, no recovery
1.52	7.45	5.93	ANDESITE TUFF, argillite intersections (0 - 11.85 strongly fractured). med.grey intermed.volcanic tuff with lesser dk.grey chloritized argillite bands <10 cm widths; rock has limonitic/oxidized fracture planes, quartz fracture filling; bedding at 40°-80° to c.a.; broken contact
7.45	11.70	4.25	RHYOLITE TUFF, wk.black / dk.grey argillite bands, irregular (<cm widths); rhyolite lt.grey/white; kaolinite fracture coatings; bedding 65° swings; broken contact
11.70	16.00	4.30	interfingered RHYOLITE > ARGILLITE. rhyolite = tuff; argillite = dk.grey/black, chloritized. 40°-65° intercepts; Py cubelets <cm² cluster along argil boundaries concordantly, locally to 1% (12.2-12.3); bedding @ 15.5 m = 3-°, steepens with depth; broken contact
16.00	25.10	9.10	FRACTURE ZONE (fault-related); strongly fract'd with limonitic sections, interbedded altered argillite & rhyolite tuff; no visible sulphides 20.55-21.75 kaolinite fracture coating; quartz-filled micro-fracture
25.10	30.80	5.70	RHYOLITE TUFF > black argillite intersections, 50°-65° bedding; argillite weakly chloritized, interfingered with lt.grey rhyolite; longitudinal chlorite-filled fracture zones common; subtle 60° contact
30.80	42.70	11.90	ANDESITE TUFF, interbedded 60:40 with black v.f.g. argillite volcanogenic sediments (banded in part); stratified; bedding 65°-70°; volcanic tops characterized by lighter grey more siliceous intersections (± epidote weakly) 30.95-31.05 5% Py, ½%Py/Po along bedding planes 39.60-39.80 white felsic rounded lapilli (mm²) in andesite tuff
42.70	43.10	0.40	FAULT / BRECCIA ZONE; ½%-1% Py in limonitic quartz-filled breccia zone @ 40° to c.a.

From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
12.50	14.00	1.50	111841	<0.03	0.2	9	19	30	135
30.90	31.90	1.00	111842	<0.03	1.0	63	28	182	464

Area: Red Cap (LJ)
Contractor: Falcon Drilling
Core Size: BTW

Latitude: 30+17N
Departure: 50+07E
Elevation: 1786 m

DDH
LJ-98-2

Bearing: 130°
Inclination @ collar: -45°
Total Depth: 147.30 m

Date Started: July 18, 1998
Date Completed: July 18, 1998
Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
43.10	52.55	9.45	ANDESITE TUFF with lesser black argillite (volcanogenic) sediment horizons to 10-15 cm widths; bedding 60°; remobilized argillite fragments exhibit reaction rims (mm-scale), weakly broken core; at 48m bedding = 50°; contact sharp 60°										
			48.30-48.40 3-4% Po within weakly brecc'd argil.horizon, v.magnetic	48.00	49.50	1.50	111843	<0.03	3.4	266	27	122	179
			49.35-49.45 5-10% Po, 1-2% Cpy marginally, Po bands, cm² subhedral crystals in argil.band										
			49.45-49.75 10% Po along bedding planes, tr Py/Cpy	49.50	51.00	1.50	111844	<0.03	0.4	21	11	46	226
			49.75-50.45 Po finely dissem.to 1% locally										
			50.35-50.45 1-2% Py, 1% Po in 53° argill. horizon	51.00	52.50	1.50	111845	0.06	1.0	29	19	106	146
			52.15-52.20 1% Gn marginal to Po/Py band at 30°										
52.55	53.80	1.25	RHYOLITE TUFF, lt.grey, v.siliceous felsic volcanic; minor <10 cm wide argillite (black vfg volcanogenic sediments) usually with tr Py/Po associated; weak epidote fracture filling, bedding and contact at 50°	52.50	54.00	1.50	111846	<0.03	0.8	20	19	92	68
							repeat	<0.03	0.6	21	19	98	81
53.80	57.65	3.85	ANDESITE TUFF, +40% black argillite sediment bands to 20-25 cm concordantly, bedding 50°-55°; epidote noted within sediment bands ±½%-1% Po blebs locally, tr Py dissem and to 2% as veinlets at high angles to c.a.										
57.65	63.65	6.00	RHYOLITE TUFF, + <10 cm black argillite horizons; dissem Py blebs and veinlets randomly; bedding 55°; contact sharp @ 65°	58.50	60.00	1.50	111847	<0.03	1.2	28	19	218	334
			60.20-60.30 argillite band, 2-3% v.magnetic Po clasts										
			60.60-60.65 argillite band, 2-3% v.magnetic Po clasts	60.00	61.50	1.50	111848	<0.03	0.6	17	22	104	111
63.65	64.15	0.50	bleached alteration zones marginal to altered granodiorite intrusive dykelet; chlorite + biotite + feldspar alter'n zone = 63.65-63.80 and 63.93-64.15; qtz-veined @ low angles to ca; contact 65°										
64.15	65.00	0.85	RHYOLITE TUFF, lesser black argillite horizons; contact sharp 53°										

Area: Red Cap (LJ)
Contractor: Falcon Drilling
Core Size: BTW

Latitude: 30+17N
Departure: 50+07E
Elevation: 1786 m

DDH LJ-98-2

Bearing: 130°
Inclination @ collar: -45°
Total Depth: 147.30 m

Date Started: July 18, 1998
Date Completed: July 18, 1998
Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
65.00	75.75	10.75	ANDESITE TUFF (well bedded @ 55°-60°) with black argillite banding / horizons; variably mineralized sediment intersection to 5% Po/Py locally; sulphides both in sed's and crosscutting fractures/ weak brecciation; contact 65° quartz-veined	65.00	66.50	1.50	111849	<0.03	0.8	24	16	90	137
				66.50	68.00	1.50	111850	<0.03	0.4	22	16	156	192
			68.80-69.50 4-5% Po, 1% Py as fracture filling and veinlets; quartz associated; micro-almandine garnets in argillite bands	68.00	69.50	1.50	111851	<0.03	1.8	95	22	476	1120
				69.50	71.00	1.50	111852	<0.03	1.6	90	21	272	549
			70.25-71.00 2-3% Po fracture filling / veinlets, ½-1% Py associated	71.00	72.50	1.50	111853	<0.03	2.0	67	25	266	390
			72.00-72.55 ½-1% Po > tr Py	72.50	74.00	1.50	111854	<0.03	2.8	116	27	450	1716
			74.35-74.50 1-3% Po, high angle veinlets to 0.3 cm widths										
			74.80-75.40 1-3% Po, high angle veinlets with 1-2% Py associated	74.00	75.50	1.50	111855	0.04	3.8	124	31	460	817
							repeat	0.04	3.6	127	30	464	824
75.75	81.80	6.05	ANDESITE LAPILLI TUFF, lt.grey, <0.3 cm² rounded felsic lapilli floating in med.grey v.f.g. intermediate volcanic; dk.grey/black v.f.g. argillite bands to 10 cm widths; mod.silic rocks; bedding 55°-65°	75.50	77.00	1.50	111856	<0.03	3.4	83	35	152	181
			81.30-81.32 rounded lapilli/fragment 2x3 cm, 1% Po dissem throughout										
81.80	105.15	23.35	ANDESITE TUFF, med.grey, v.f.g., with dk.grey/ black v.f.g. weakly garnetiferous argillite bands (1-10 cm widths); Po to 1-4% locally within sediment bands; ± Py to 1-2% locally; Po fracture filling / veinlets cross-cut both rock units; bedding 50°-55°										
			82.35-82.65 2-3% Po concordant to bedding plane in sediments, tr Py/Po v.dissem	82.35	83.85	1.50	111857	<0.03	0.8	46	19	64	207
			83.40-83.50 2% Po, 3% Py in fractures/ quartz veins; chloritic frac.zone	83.85	85.35	1.50	111858	<0.03	0.6	30	21	48	115
			85.20-85.55 1% Po crosscutting veinlets										
			85.60-87.35 mod.chloritic, altered andesite	85.35	86.85	1.50	111859	<0.03	0.8	35	13	152	130
			86.70-88.00 rounded agglomeratic clast horizon										
			to 93.75 tr Py/Po in weakly hornfelsed argillite band; weak mm garnets; local Po/Py veinlets to 1-2% over < cm widths	92.40	93.90	1.50	111860	<0.03	3.0	161	21	330	395

Area: Red Cap (LJ) | Latitude: 30+17N | DDH | Bearing: 130° | Date Started: July 18, 1998
Contractor: Falcon Drilling | Departure: 50+07E | LJ-98-2 | Inclination @ collar: -45° | Date Completed: July 18, 1998
Core Size: BTW | Elevation: 1786 m | Total Depth: 147.30 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology
			93.75-93.90 3-4% local Po concentrated blebs (< cm) ± weak epidote veinlets
			95.00-95.60 3-4% semi-massive sepcular hematite; 1% Po/Py; ½% Gn associated; garnetiferous argil horizon
			95.95-96.05 1% Aspy + Py tr concordantly within sed.horizon, weak spec. hematite
			96.70-96.80 1-2% Po/Py low angle frac.fill
			98.00-98.90 cm wide Po>>Py bands concord-dantly
			½-1% Py, tr Cpy, 1-2% Po concentrated along weakly garnetiferous argillite bands, local Po to 3-4%; bedding 65°, contact 65°
105.15	108.15	3.00	RHYOLITE TUFF, lt.grey, siliceous, tr Py only, well bedded at 55°-60°
108.15	110.45	2.30	ANDESITE TUFF, well bedded 50° with ½-1% Po along bedding planes and micro-fractures, tr Py only; increasing chloriziation and garnets (to cm²) with depth; dk.grey argillite bands
110.45	110.80	0.35	ANDESITE FLOW AGGLOMERATE, sed.argillite rounded clasts and rhyolite + andesite clasts / pebbles (pebble size to cm², rounded)
110.80	114.75	3.95	RHYOLITE FLOW AGGLOMERATE, green/lt.grey, v.silic, with 2-3 cm² rounded andesite, rhyolite, and argillite pebbles
114.75	122.50	7.75	ANDESITE FLOW AGGLOMERATE, andesite/ rhyolite + argillite clasts/pebbles to 3 cm² + minor breccia clasts; darker bands may be argillite input; subtle contact
122.50	122.85	0.35	RHYOLITE TUFF, v.f.g., lt.grey; fractures rehealed, no visible sulphides; subtle contact
122.85	123.15	0.30	ANDESITE TUFF, med.grey, v.f.g., silic intermed volcnaic. S fractures and rehealed at high angles to core axis; weak <1% Po enhancement as fracture-related blebs to cm²

From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
93.90	95.40	1.50	111861	0.41	30.0	152	20	4678	1.54%
95.40	96.90	1.50	111862	0.05	3.6	76	34	584	393
96.90	98.40	1.50	111863	<0.03	1.0	42	21	110	251
98.40	99.90	1.50	111864	<0.03	1.0	29	24	172	579
			repeat	<0.03	1.2	30	23	172	564
99.90	101.40	1.50	111865	<0.03	2.4	38	18	276	571
101.40	102.90	1.50	111866	<0.03	1.6	39	25	218	408
102.90	104.40	1.50	111867	<0.03	1.2	17	12	256	637
104.40	105.90	1.50	111868	<0.03	2.0	22	21	298	631
122.50	124.00	1.50	111869	<0.03	0.4	24	10	20	184

Area: Red Cap (LJ) | Latitude: 30+17N | DDH | Bearing: 130° | Date Started: July 18, 1998
Contractor: Falcon Drilling | Departure: 50+07E | LJ-98-2 | Inclination @ collar: -45° | Date Completed: July 18, 1998
Core Size: BTW | Elevation: 1786 m | Total Depth: 147.30 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
123.15	139.80	16.65	RHYOLITE FLOW BRECCIA / AGGLOMERATE, weak chlorite alteration, fractured + rehealed; Po blebs common + disrupted < cm wide veinlets; tr Py dissem randomly in matrix, v.siliceous; occas epidote veinlets yellow/green; bedding 65°	124.00	125.50	1.50	111870	<0.03	0.6	54	11	22	254
				125.50	127.00	1.50	111871	<0.03	0.4	28	10	26	203
				127.00	128.50	1.50	111872	<0.03	0.6	73	12	24	314
				128.50	130.00	1.50	111873	<0.03	1.0	95	9	50	241
				130.00	131.50	1.50	111874	<0.03	2.0	172	8	128	387
			134.20-134.85 broken core, longitudinal frac	131.50	133.00	1.50	111875	<0.03	0.8	79	12	44	284
			134.80 argillite clast increase to >5 cm², rounded cobbles, commonly Po-bearing; angular clasts to 2 cm rarely	133.00	134.50	1.50	111876	<0.03	<0.2	11	8	30	92
				134.50	136.00	1.50	111877	<0.03	<0.2	5	7	32	352
				136.00	137.50	1.50	111878	<0.03	<0.2	3	6	22	274
			138.95-139.40 open longitudinal fracture; reaction rims noted around argillite clasts/pebbles	137.50	139.00	1.50	111879	<0.03	<0.2	7	8	36	216
			subtle contact 60°?										
139.80	141.25	1.45	ANDESITE TUFF, v.f.g., intermediate volcanic, med. grey, silicified, minor andesitic breccia fragments randomely oriented; rhyolitic intersections 10-20 cm widths	139.00	140.50	1.50	111880	<0.03	<0.2	2	8	24	80
141.25	142.50	1.25	ANDESITE AGGLOMERATE FLOW BRECCIA, large >2 cm² angular rhyolite clasts floating in med.grey v.f.g. matrix										
142.50	145.25	2.75	ANDESITE TUFF, v.f.g., med.grey, silicified intermed volcanic, tr Py only v.dissem, subtle contact	144.20	145.20	1.00	111881	<0.03	0.2	5	7	98	302
			including epidote altered, lt.green, silic + qtz-veined @ 40° to c.a., tr Py v.dissem, possible rehealed shear zone				repeat	<0.03	0.4	5	7	102	302
145.25	147.30	2.05	ANDESITE AGGLOMERATE / FLOW BRECCIA, silic med.grey v.f.g. intermed volcanic matrix, supports angular to sub-rounded argillite + felsic intermed clasts/pebbles; tr Po/Py only										
		147.30	Total Depth										

Area: Red Cap (LJ) | Latitude: 55+60E | DDH | Bearing: 345° | Date Started: July 19, 1998
Contractor: Falcon Drilling | Departure: 39+44N | LJ-98-3 | Inclination @ collar: -45° | Date Completed: July 19, 1998
Core Size: BTW | Elevation: 1671 m | Total Depth: 99.97 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
0.00	1.52	1.52	CASING, no recovery										
1.52	3.60	2.08	ANDESITE FLOW BRECCIA, angular dk.grey clasts in med.grey siliceous matrix (oxidized to 23 m); variably chloritized, strongly fractured chaotically; oxidized weak-mod. along fracture planes, limonitic; longitudinal fracture overprint; contact 50°										
			3.55 oxidized fracture, cm wide, 28°, with ½% Cpy, tr Aspy euhedral crystals	3.30	4.80	1.50	111882	<0.03	0.6	51	12	284	109
3.60	56.60	53.00	RHYOLITE FLOW-AGGLOMERATE / TUFF, 'silica cap', white clasts/pebbles to 2 cm² to sub-rounded, ovoid, in lt.grey v.siliceous matrix (matrix-supported) strongly fractured with limonite along fractures;										
			common Aspy, stibnite > Gn fractures and bands to	4.80	6.30	1.50	111883	<0.03	1.0	24	8	268	109
			<cm widths ± Py/Po margins; dk.grey oxide margins	6.30	7.80	1.50	111884	0.21	1.6	38	16	424	170
			to sulphide minerals; rock is brecciated + silicified -				repeat	0.23	1.6	38	17	456	178
			stibnite/Aspy fracture coating [NB, hydrothermal/	7.80	9.30	1.50	111885	<0.03	2.0	18	15	468	173
			epithermal assemblage]; much sulphide remob along	9.30	10.80	1.50	111886	<0.03	1.0	8	7	292	106
			fractures/veinlets; radiating acicular stibnite crystals common on fractures; fracture sets = longitudinal, 40°, and 75°-85° (mineralized); (possible silver oxide precipate on fractures); specular hematite ubiquitously as flakes/blebs, + graphite; fractures vuggy in part										
			11.40-11.70 broken core	10.80	12.30	1.50	111887	<0.03	1.4	6	6	298	122
			12.95 stibnite crystals, cm lengths, mm	12.30	13.80	1.50	111888	<0.03	0.4	9	8	232	124
			widths, on fracture planes	13.80	15.30	1.50	111889	<0.03	0.4	14	12	158	121
			14.25-14.90 open, lomonitic longitudinal fracture, broken core										
			15.10-16.15 open, lomonitic longitudinal fracture, broken core	15.30	16.80	1.50	111890	<0.03	0.6	13	7	112	80
			mod.limonite/oxide to 23 m										
			17.50 Po blebs ~1% to cm² along 30°	16.80	18.30	1.50	111891	<0.03	0.6	10	9	190	138
			frac; Py blebs ½% dissem to 17.6;	18.30	19.80	1.50	111892	0.03	0.4	10	11	84	214
			graphite 'dust', fracture-fill along	19.80	21.30	1.50	111893	<0.03	0.2	16	12	94	217
			fracs throughout oxidation; weak				repeat	--	<0.2	16	13	98	224
			chlorite along fractures; bedding	21.30	22.80	1.50	111894	<0.03	0.2	11	12	80	144
			45° to c.a., core 'breaks out' at	22.80	24.30	1.50	111895	0.15	<0.2	7	11	80	70
			30-45° to c.a.	24.30	25.80	1.50	111896	0.16	<0.2	8	11	78	59
			25.20-25.30 graphite and stibnite to 1-2% locally										
			25.50 ½% Py blebs and graphite dissem	25.80	27.30	1.50	111897	0.21	0.4	18	20	88	94
			brecciated matrix, graphite										
			enhanded; local 10 cm sections	27.30	28.80	1.50	111898	<0.03	0.4	33	18	48	50

Area: Red Cap (LJ) | Latitude: 55+60E | DDH | Bearing: 345° | Date Started: July 19, 1998
Contractor: Falcon Drilling | Departure: 39+44N | LJ-98-3 | Inclination @ collar: -45° | Date Completed: July 19, 1998
Core Size: BTW | Elevation: 1671 m | Total Depth: 99.97 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			of graphite/stibnite				repeat	0.03	<0.2	32	18	54	55
			31.20-32.50 longitudinal open fracture @ 45° to c.a., limonite coating, slickensides	28.80	30.30	1.50	111899	<0.03	<0.2	34	14	40	54
				30.30	31.80	1.50	111900	<0.03	<0.2	41	19	42	103
				31.80	33.40	1.60	111901	<0.03	0.2	21	11	42	95
			32.90-35.20 pervasive longitudinal open (limonitic) fracture, exploited by 2 mm wide Py filling	33.40	34.90	1.50	111902	<0.03	0.6	25	10	94	319
				34.90	36.40	1.50	111903	<0.03	0.6	19	5	118	320
				36.40	37.90	1.50	111904	<0.03	2.6	74	10	360	449
			35.20-42.00 brecciated, 45-50° fractures; tr Aspy and low-angle graphite fracture filling 20-30°	37.90	39.40	1.50	111905	<0.03	1.0	37	7	240	213
				39.40	40.90	1.50	111906	<0.03	1.0	15	10	244	222
							repeat	<0.03	0.6	23	12	208	1000
			42.00-42.85 broken core, oxidized	40.90	42.40	1.50	111907	<0.03	0.6	24	12	216	1038
			46.00-47.00 1-2% graphite fracture filling	42.40	43.90	1.50	111908	<0.03	0.4	11	5	168	81
			Note: rock is silic/chlor rhyolite agglom breccia; graphite and stibnite / Py fracture fill (graphite >> stibnite); limonitic fracture filling	43.90	45.40	1.50	111909	<0.03	0.8	22	13	414	159
				45.40	46.90	1.50	111910	<0.03	0.4	30	10	310	138
				46.90	48.40	1.50	111911	<0.03	0.2	44	10	218	137
			48.10-48.40 broken core										
			49.30 scorodite coating on longitudinal fracture	48.40	49.90	1.50	111912	<0.03	<0.2	185	19	54	106
				49.90	51.40	1.50	111913	<0.03	<0.2	80	17	48	37
			52.35-53.35 strongly chloritized, badly broken (faulted?) core; soft, kaolinitized; 15° fractures throughout section	51.40	52.90	1.50	111914	<0.03	<0.2	13	9	60	48
				52.90	54.40	1.50	111915	<0.03	3.0	11	10	158	144
				54.40	55.90	1.50	111916	<0.03	1.2	7	20	134	139
			55.10 1% graphite coating on fractures				repeat	<0.03	1.0	7	20	138	139
			55.10-55.85 10-15° open fracture broken contact										
56.60	62.50	5.90	RHYOLITE TUFF, lt.grey, v.v.siliceous; cross-cut by several generations of brecciation; fractures at 45° = latest episode + predominant.	55.90	57.40	1.50	111917	<0.03	0.4	14	10	106	85
				57.40	58.90	1.50	111918	<0.03	0.6	13	13	96	67
				58.90	60.40	1.50	111919	<0.03	0.6	19	12	134	95
			61.00-61.70 radiating black, soft acicular crystals <<mm², possible boulangerite (stibnite?)	60.40	61.90	1.50	111920	<0.03	0.8	31	18	120	90
			61.80-61.85 Po>Py blebs on fracture planes at 30-40° to c.a.										
				61.90	63.40	1.50	111921	<0.03	0.8	66	10	78	335
62.50	65.95	3.45	RHYOLITE FLOW BRECCIA/AGGLOMERATE, rounded + angular felsic volcanic clasts to 3 cm² throughout silceous lt.grey matrix; rehealed later fractures are mod.chloritized; graphitic matrix common; tr stibnite randomly as euhedral crystals	63.40	64.90	1.50	111922	<0.03	0.6	92	13	64	662
			63.70-65.95 gradually increasing percentage of andesite fragments/pebbles to contact	64.90	66.40	1.50	111923	<0.03	0.4	99	13	66	109
65.95	70.15	4.20	ANDESITE TUFF, med.grey, silicified, undulating 40-45° contact; v.f.g. weakly brecciated rock unit;	66.40	67.90	1.50	111924	<0.03	<0.2	58	12	44	50

Area: Red Cap (LJ) | Latitude: 55+60E | DDH | Bearing: 345° | Date Started: July 19, 1998
Contractor: Falcon Drilling | Departure: 39+44N | LJ-98-3 | Inclination @ collar: -45° | Date Completed: July 19, 1998
Core Size: BTW | Elevation: 1671 m | Total Depth: 99.97 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			40° and 60° sets of fractures on opposite planes, limonitic; tr dissem Po/Py blebs (fracture-associated), weak 35° 2-3 mm wide quartz veinlets, 55° contact										
70.15	75.45	5.30	RHYOLITE TUFF, brecciated; bedding 55-60°; brecciated/mod.fractured, siliceous, lt.grey; unit has dk.grey/black oxidized fracture filling ± tr Py, chlorite; fractures @ 50° to 65° predominate 70.60-70.80 black, chloritic shear @ 40° to c.a., 2-3% Po, tr Py	70.00	71.50	1.50	111925	<0.03	1.6	69	21	90	2001
				71.50	73.00	1.50	111926	<0.03	2.8	239	34	124	378
				73.00	74.50	1.50	111927	<0.03	0.6	56	12	80	161
75.45	79.35	3.90	ANDESITE TUFF, brecciated; jagged 55-60° contact; med.grey, mod.siliceous, with sets of 45-60° and longitudinal fractures throughout, increasingly chloritic and limonitic to falt zone; bedding 55-60° 76.80-77.30 chaotic hairline white quartz veinlets pervasively, tr Py cubelets	76.50	78.00	1.50	111928	<0.03	1.2	172	12	64	223
				78.00	79.50	1.50	111929	<0.03	0.6	22	12	76	224
79.35	82.60	3.25	BRECCIA ZONE : FAULT; strongly limonitized and chloritized, fractured and sheared; soft / clay altered; quartz veined (cm width) at low angles to c.a.; sharp 25° contact, limonitic	79.50	81.00	1.50	111930	<0.03	3.2	168	9	110	519
				81.00	82.50	1.50	111931	<0.03	1.4	89	6	128	598
82.60	84.50	1.90	ANDESITE AGGLOMERATE FLOW, dk.-med.grey/ green, f.g., siliceous matrix supports rounded >2 cm² felsic volcanic pebbles (dk.green + grey chloritic/ andesite matrix); broken contact	82.50	84.00	1.50	111932	<0.03	1.8	44	6	116	486
84.50	85.35	0.85	FAULT - BRECCIA ZONE, andesite agglomerate flow host; strongly chloritized, limonitic, broken core; quartz gash-fill veining common; tr Py only; 25° shearing; goethite/limonite cm wide contact at 25-30° to c.a.	84.00	85.50	1.50	111933	<0.03	1.2	53	9	74	803
							repeat	<0.03	1.2	50	9	82	765
85.35	85.95	0.60	ANDESITE TUFF, chloritized, med.green/grey tr Py/Po blebs along longitudinal limonite fracture; undulating 75-85° contact										
85.95	86.80	0.85	ANDESITE FELDSPAR PORPHYRY, intrusive; aphanitic med.green/grey matrix suspends lt.grey/ dk.grey <cm phenocrysts, sub-rounded and partly replaced by epidote; no visible sulphides; broken contact	85.50	87.00	1.50	111934	<0.03	<0.2	11	10	40	46
86.80	87.05	0.25	ANDESITE TUFF, med.grey, v.f.g., siliceous, with black dendritic filigree (Mn?), weak fracturing, no										

Area: Red Cap (LJ) | Latitude: 55+60E | DDH | Bearing: 345° | Date Started: July 19, 1998
Contractor: Falcon Drilling | Departure: 39+44N | LJ-98-3 | Inclination @ collar: -45° | Date Completed: July 19, 1998
Core Size: BTW | Elevation: 1671 m | Total Depth: 99.97 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			visible sulphides, contact 25-30°										
87.05	87.30	0.25	ANDESITE PORPHYRY, as above, no visible sulphides, contact 30-35°										
87.30	89.15	1.85	ANDESITE TUFF, v.f.g., med.grey, siliceous intermediate volcanic tuff 88.70-88.91 broken core, limonitic fracture coating, 35° subtle contact	87.00	88.50	1.50	111935	<0.03	<0.2	4	11	48	75
89.15	99.97	10.82	ANDESITE PORPHYRY, white <cm² rounded feldspar phenocrysts in part, epidote-replaced and rimmed zones of chloritizatin/alteration between 91.60 and 94.70m; weakly fractured 95.60-96.60m; epidote alteration; matrix aphanitic, dyke shows crude differentiation with chill margin from 90.80-99.55m 96.60-97.10 strongly broken core (fault zone?) dk.-med. pea-green feldspar porphyry to end of hole, epidote altered, no visible sulphides										
		99.97	Total Depth										

Area: Red Cap (LJ) | Latitude: 56+05E | DDH | Bearing: 345° | Date Started: July 20, 1998
Contractor: Falcon Drilling | Departure: 40+05N | LJ-98-4 | Inclination @ collar: -45° | Date Completed: July 21, 1998
Core Size: BTW | Elevation: 1665 m | Total Depth: 96.93 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
0.00	1.20	1.20	CASING, no recovery										
1.20	5.55	4.35	ANDESITE FLOW BRECCIA / AGGLOMERATE, v.f.g., med-grey, weakly siliceous, intermed.volcanic matrix supports sub-rounded to angular dk.green, chloritized pebbles/clasts, tr Py v.dissem only, limonite fracture coating common, bedding apparent 65°, contact 65° Py enhanced <1% 1.20-5.18 broken core										
5.55	8.20	2.65	ANDESITE PORPHYRY BRECCIA, med.grey porphyry, mod.siliceous, matrix with 1-3 cm² angular chloritized clasts, mm² Py cubelets throughout sparsely; clasts = andesite, weak bleached reaction rims; sharp 40° contact	8.15	9.85	1.70	111936	<0.03	<0.2	30	23	40	232
8.20	10.50	2.30	ALTERED ANDESITE TUFF, med.grey, mod.siliceous intermed.volcanic, ½% Po blebs, rounded, chloritic; Py cubelets disseminated, indistinct 20-25° contact 9.75-10.10 limonitic 35° fracture, open and qtz-veined, no visible sulphides										
10.50	11.30	0.80	ANDESITE PORPHYRY, as above, broken 20° contact										
11.30	12.00	0.70	ANDESITE TUFF, mod.silic, med.grey, v.f.g., intermed. volcanic										
12.00	27.30	15.30	ANDESITE QUARTZ-FELDSPAR PORPHYRY BRECCIA, med.olive-green, weakly chloritic, intrusive breccia, angular andesite lapilli tuff, quartz-feldspar clasts to >5 cm², partly resorbed in part, ± reaction rims; tr Py v.v.dissem; 40-45° clast along axis orientation; minor dendrites randomly throughout; contact broken, limonitic, at 45-50° 26.80 weak 20° slickensides										
27.30	32.00	4.70	ANDESITE VOLCANIC BRECCIA / FLOW, quartz-feldspar and andesite lapilli tuff fragments 1-5 cm²; weakly chloritic clasts/matrix, variable; weakly silic., variable; bedding 53-60°; contact broken, 50-55°? 29.45-29.68 semi-massive hematite / specular hematite + 1% Py bands @ 65° t.c.a. 30.45-30.67 semi-massive hematite / specular hematite + 1% Py bands @ 65° t.c.a.	29.00	30.70	1.70	111937	<0.03	4.4	161	20	992	5863

Area: Red Cap (LJ) | Latitude: 56+05E | DDH | Bearing: 345° | Date Started: July 20, 1998
Contractor: Falcon Drilling | Departure: 40+05N | LJ-98-4 | Inclination @ collar: -45° | Date Completed: July 21, 1998
Core Size: BTW | Elevation: 1665 m | Total Depth: 96.93 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
32.00	36.10	4.10	ANDESITE TUFF / lapilli tuff horizons, chlorite fracture-filling in med.green andesite volcanic; bedding 55°; contact 55°										
			34.45-35.15 broken core; quartz flooded, altered										
			35.80-36.10 semi-massive hematite bands at 70° and 20° to c.a.; 1% local Py 20° veinlets; Po blebs ~1%, <mm° rounded	35.10	36.60	1.50	111938	<0.03	3.6	63	14	850	2189
36.10	39.90	3.80	ANDESITE FLOW BRECCIA, andesite lapilli tuff breccia clasts to >5 cm² in med.grey siliceous andesite matrix; no visible sulphides, subtle (55°?) contact										
39.90	54.20	14.30	ANDESITE LAPILLI TUFF, chlorite + epidote altered lapilli / fragments in v.f.g. olive-green andesite matrix; bedding 55°; limonite coated fractures; rare low-angle quartz veinlets (mm-scale); rare feldspar porphyry clasts to 2 x 4 cm; contact 55°	46.90	48.40	1.50	111939	<0.03	4.4	76	8	774	1503
				48.40	49.90	1.50	111940	<0.03	7.0	285	34	550	1940
			49.70-50.60 fracture zone @ 55°; limonitic/ oxidized, massive specular hematite bands randomly sited @ 55° + 1% Py micro-veinlets concordantly crosscutting limonitc quartz veinlets at low angles to c.a.	49.90	51.40	1.50	111941	0.98	164.0	1085	11	9500	3521
			50.60-51.55 1-3% Py as 25-35° semi-massive stringers, bedding 25-30°										
			51.55-51.90 3-5% Cpy veinlets associated with massive Po veining at low angles to c.a.; Po 5-6%	51.40	52.40	1.00	111651	0.78	84.2	5201	83	3692	1.24%
			51.82-51.85 massive Aspy flooding & graphite										
			51.83-51.88 massive hematite / specular hematite bands at 75-80° to c.a.										
			51.95-52.00 massive Po, 2-3% Cpy stringers, Po @ 55° along bedding planes	52.40	53.90	1.50	111942	<0.03	1.6	40	9	234	783
							repeat	<0.03	1.8	43	10	246	855
			52.00-52.40 various high angle spec.hematite and Py veinlets.										
			NB 53.95-54.20 cycle 'top' disturbed, silicified, fractured bedding 57°, 5% spec. hematite, ½% Cpy, 2-3% Py along bedding planes	53.90	55.40	1.50	111943	<0.03	0.4	48	20	150	3920
54.20	72.90	18.70	ANDESITE TUFF, weak lapilli tuff horizon to 54.55 m; med.grey-green; 30-35° banded intermediate andesite tuff; occas.60° quartz veins/veinlets; tr Py	55.40	56.90	1.50	111944	<0.03	<0.2	9	23	36	100

Area: Red Cap (LJ) | Latitude: 56+05E | DDH | Bearing: 345° | Date Started: July 20, 1998
Contractor: Falcon Drilling | Departure: 40+05N | LJ-98-4 | Inclination @ collar: -45° | Date Completed: July 21, 1998
Core Size: BTW | Elevation: 1665 m | Total Depth: 96.93 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			57.80-58.80 "top", altered/silicified, lighter grey, 1-2% hematite	56.90	58.40	1.50	111945	0.06	3.4	91	23	502	1996
			59.90-61.40 weak brecc'n, unaltered 2-5 cm² ckasts rarely										
			62.60-63.20 hornfelsed, brown, bedding 35°										
			71.35-71.65 2-4% Gn, 1% Py, 5% Po, 2-3% Cpy along 35° bedding, spec.hem	69.50	71.00	1.50	111946	<0.03	1.0	57	9	228	285
			semi-massive hematite bands at 70°	71.00	72.00	1.00	111947	0.30	46.2	1747	11	7270	2.70%
			71.60 35° clay/Py-filled cm fault										
			72.25-72.90 semi-massive >10% specular hematite, 5% Po, 3-4% Cpy along 50° bedding	72.00	73.00	1.00	111948	3.16	160.0	1716	12	2.0%	7193
72.90	73.50	0.60	ANDESITE FLOW BRECCIA, dk.grey/green (andesitic) clasts to 1.5 cm² in med.green/grey chloritic andesite matrix, undulating 30° contact	73.00	74.00	1.00	111949	0.06	11.2	241	11	1296	1392
			73.00 cm wide graphite band @ 50°										
73.50	96.93	23.43	ANDESITE TUFF, olive green-grey, v.f.g. intermed volcanic; pyritiferous narrow (<cm) shears at 40° and 2-4% Po, semi massive hematite @ 73.70, 74.35-73.55										
			Note: lapilli horizons occasionally										
			80.40-81.30 chloritic, quartz veined cycle 'top', tr Py v.dissem, bedding 55°;	80.00	81.50	1.50	111950	<0.03	1.8	47	12	170	637
			epidote veinlets at low angles to c.a., rare Py cubelets mm²	89.25	90.75	1.50	111951	<0.03	1.0	225	9	48	287
			89.30-90.30 weakly fractured, epidote/chlorite filling, finely dissem Po/Cpy in tr	90.75	92.25	1.50	111952	<0.03	<0.2	55	8	82	371
							repeat	<0.03	<0.2	43	11	28	58
			quantities only on frac planes	92.25	93.75	1.50	111953	<0.03	<0.2	81	8	100	243
			92.00-96.93 dark chloritic rehealed weak fractures dominate core	93.75	95.25	1.50	111954	<0.03	<0.2	33	10	36	233
				95.25	96.90	1.65	111955	<0.03	4.4	240	11	1084	923
			96.76-96.90 ½% Py veinlets @ 55°; tr-½% Po associated										
		96.93	Total Depth										

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 325° | Date Started: July 20, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-A | Inclination @ collar: -45° | Date Completed: July 21, 1998
Core Size: BTW | Elevation: 1674 m | Total Depth: 187.45 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
0.00	2.14	2.14	CASING, no recovery										
2.14	19.40	17.26	ANDESITE TUFF, med.grey, strongly silicified, strongly fractured / limonite coated; bedding 45°	2.15	3.65	1.50	111956	0.11	1.2	54	12	418	1326
			2.14-7.93 broken core				repeat	0.1	1.4	52	12	426	1340
			4.25 patches of maroon andesite	3.65	5.15	1.50	111957	<0.03	0.8	113	21	132	199
			7.90-8.10 maroon andesitic tuff (possible sub-aerial + oxidized +/or near-surface); Po>Py, hematized v.f.g. volcanic tuff; (pseudo-) cubic	5.15	6.65	1.50	111958	<0.03	1.0	67	18	166	153
			masses of easily tarnished matallic silver mineral : possible argentite +/or acanthite (possible stibnite?) dissem throughout	6.65	8.00	1.35	111959	0.03	0.6	131	24	122	3875
			(sylvanite?); minor Gn + Cpy distributed to 1% locally, tr Aspy, 2-3% Po, <1% Py	8.00	9.20	1.20	111960	<0.03	<0.2	72	30	106	194
			9.20-12.20 1% Po, tr Aspy, ½% stibnite, tr Py in lt.grey v.silic.horizon, dissem.	9.20	10.70	1.50	111961	<0.03	<0.2	30	27	136	138
			12.20-12.50 color change - dk.maroon / oxidized 2% Po, 1% Py, tr covellite, tr stibnite, dissem finely throughout; v.silic qtz overgrowths / hackly breakout	10.70	12.20	1.50	111962	<0.03	<0.2	37	18	170	115
			12.50-12.70 lt.grey, v.silic Andesite Tuff, 1% Po, v.dissem	12.20	13.50	1.30	111963	<0.03	<0.2	42	21	138	115
			12.70-13.48 dk.maroon oxidized hematite, 1-3% Po, 1% stibnite / (acanthite?); oxidized core + hem (dk.purple) is mod.magnetic	13.50	15.00	1.50	111964	<0.03	0.8	54	20	152	90
			17.00-19.40 1% Cpy, 2% stibnite/acanthite, 2% Po; Cpy concentrated along rehealed fractures; Po dissem throughout;	15.00	16.50	1.50	111965	<0.03	0.8	105	30	182	116
							repeat	<0.03	0.8	102	31	188	114
			Aspy spicules/veinlets randomly to 1%; core has mottled brecc'd appearance; hematized longitudinal 'swirls' throughout, rehealed	16.50	18.00	1.50	111966	<0.03	1.4	236	51	216	125
			fractures remobilize sulphides; fractures 35°; radiating stibnite crystals utiquitous	18.00	19.50	1.50	111967	<0.03	1.2	93	27	266	125
19.40	64.00	44.60	(maroon unit) ANDESITE PYROCLASTIC, felsic and intermed.breccia clasts, 1-4 cm° (many sub-rounded agglomeratic) in maroon hematitic v.f.g. matrix; common acicular mm-scale stibnite crystals dissem	19.50	21.00	1.50	111968	<0.03	0.6	48	23	246	95

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 325° | Date Started: July 20, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-A | Inclination @ collar: -45° | Date Completed: July 21, 1998
Core Size: BTW | Elevation: 1674 m | Total Depth: 187.45 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			throughoutto 1-2%, clusters along fracture planes as 'necklaces'; ubiquitous mod.magnetic Po as veinlets, dissem & clast-replacement; Py veinlets + dissem cubelets to 1-2% locally; possible acanthite randomly; Cpy associated with Po veining as terminations to 1-2% locally; Aspy spicules randomly and fracture-associated; rocks are siliceous; quartz overgrowths throughout fresh faces; contact 55°-60°	21.00	22.60	1.60	111969	<0.03	0.8	63	21	220	88
				22.60	23.70	1.10	111970	<0.03	0.8	99	35	396	94
				23.70	25.20	1.50	111971	0.03	4.2	78	30	1114	107
				25.20	26.70	1.50	111972	<0.03	1.6	84	21	448	93
				26.70	27.70	1.00	111973	0.03	0.2	112	27	258	93
				27.70	28.70	1.00	111974	<0.03	0.6	66	15	286	80
							repeat	<0.03	0.8	65	17	304	87
				28.70	30.10	1.40	111975	<0.03	0.2	93	20	234	70
				30.10	31.60	1.50	111976	<0.03	0.8	130	26	390	80
				31.60	32.60	1.00	111977	<0.03	0.8	135	27	528	70
				32.60	34.10	1.50	111978	<0.03	1.6	140	28	1006	148
				34.10	35.60	1.50	111979	0.04	2.2	104	29	3012	1632
				35.60	37.10	1.50	111980	<0.03	<0.2	129	33	272	128
				37.10	38.60	1.50	111981	0.04	0.8	152	42	566	1432
				38.60	40.10	1.50	111982	0.07	1.4	147	28	926	859
				40.10	41.60	1.50	111983	0.03	2.2	143	28	1208	188
				41.60	43.10	1.50	111984	0.14	4.4	108	33	1192	268
				43.10	44.60	1.50	111985	0.07	3.6	115	26	606	615
				44.60	46.10	1.50	111986	0.06	3.0	114	25	616	575
				46.10	47.60	1.50	111987	0.06	2.2	84	22	368	310
				47.60	49.00	1.40	111988	<0.03	2.4	119	20	546	361
				49.00	50.00	1.00	111989	0.05	1.2	76	18	494	214
				50.00	51.30	1.30	111990	2.16	6.4	380	23	636	1521
				51.30	52.80	1.50	111991	0.29	6.0	459	38	1250	311
							repeat	--	6.2	447	38	1310	320
				52.80	54.30	1.50	111992	4.16	82.2	1082	30	9922	441
				54.30	55.80	1.50	111993	0.21	5.6	472	23	834	1229
				55.80	57.30	1.50	111994	0.31	8.8	513	29	1054	2034
			22.60-23.70 lt.grey > maroon, v.silic horizon; sulphides tend to cluster in <cm groupings										
			28.70-31.40 longitudinal + 10-20° hem-filled fracture overpint, filled with semi-massive Po surrounded by stibnite flakes/crystals (Po 3-4%, stib 2%); this zone increasingly silic, lt.-grey = hem proportionately										
			31.60-32.20 chloritized, quartz veined / altered; fracture zone 1-2 cm wide; milky quartz veins @ 10-25° to c.a.; marginal stibnite to 5% over cm widths; 1-2% Po, ½% Py										
			35.30-49.20 increasing silicification, lt.grey with maroon intersections (silica cap?); 10 cm sections of massive stibnite with 2 cm massive Po margins, ½% Py/Cpy; weakly fractured at low angles to c.a.; stibnite coating on fracture faces; rare 25-40° quartz veinlets (< cm widths)										
			42.10-42.25 massive stibnite - fine hair-like spicules in masses marginal to 10° quartz veinlets										
			43.35-43.46 massive stibnite within 55° bedding plane, weak shear										
			47.00 60° bedding; 2-3% Po										
			47.10-47.20 5% Py, 2-3% Po veinlets										
			49.20 dk.maroon hematite predominates, s.silic										
			51.00-51.30 massive stibnite sandwiched by 5 cm wide massive Po, 2-3% Py, tr Cpy, tr Aspy in quartz-veined shear; weakly chloritic										
			54.00 15° open, chloritiz fracture, ubi-quitous Po to 54.2 m veinlets/										

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 325° | Date Started: July 20, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-A | Inclination @ collar: -45° | Date Completed: July 21, 1998
Core Size: BTW | Elevation: 1674 m | Total Depth: 187.45 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			dissem., 1% stibnite dissem.										
			56.40-56.70 semi-massive stibnite >5% + dissem Po ~2% in chloritic and fractured 25° shear zone	57.30	58.80	1.50	111995	0.14	14.6	364	43	1874	1393
				58.80	60.30	1.50	111996	0.16	18.0	415	31	2142	393
			56.95-57.55 10° quartz veining, chloritic shearing, limonitic veinlets	60.30	61.60	1.30	111997	<0.03	1.6	202	28	252	338
			57.55-62.60 increasing Cpy to 1%, Po 2-3%, stibnite 1%	61.60	62.60	1.00	111998	<0.03	1.0	167	23	150	249
			62.40-62.60 increasing Po dissem to 4%										
			62.60-64.00 incr. silicification / grey coloration and decreasing magnetism; Po in pods ± Py + weak stibnite <cm² patches	62.60	64.00	1.40	111999	<0.03	2.2	79	11	326	1500
			63.70-64.00 local Po to 4-5% at contact										
64.00	68.50	4.50	RHOLITE PYROCLASTIC BRECCIA, tuff horizons; clasts - rhyolite + andesite to 2-3 cm², non-magnetic, highly siliceous, overprinted by 30-60° chlorite-healed fracture pattern; local Po (clast replacement?) in >cm² rounded segregations, tr-½% Py; lapilli horizons throughout; limonite coated fracture with 'open'; gradual contact	64.00	65.50	1.50	112000	<0.03	1.6	49	10	208	281
				65.50	67.00	1.50	112001	<0.03	1.0	54	15	182	164
				67.00	68.50	1.50	112002	<0.03	1	62	14	204	123
68.50	71.46	2.96	ANDESITE TUFF, 1% Po along low-angle fractures, tr Py veinlets; strongly siliceous, med.grey; bedding indistinct (massive) apparent ~55-60°; weak 30-40° fractureing; 2% pyritiferous 30° contact	68.50	70.00	1.50	112003	0.03	0.8	215	36	140	129
				70.00	71.50	1.50	112004	<0.03	0.8	175	31	146	123
71.46	73.25	1.79	RHYOLITE TUFF, strongly silicified, lt.grey/white rhyolite										
			71.46-71.80 'top' chlor, v.silic, disturbed bedding 30°, Po/Py ½%-1% along bedding planes	71.50	73.00	1.50	112005	<0.03	0.8	85	26	116	94
			72.55-73.25 30° chloritic shear, 2% Po/Py, ½% stibnite, v.irregular Po/Py/ stibnite veining, ~2% Po, tr Py, tr-½% stibnite										
73.25	74.00	0.75	ANDESITE TUFF BRECCIA, rhyolite and andesite clasts supported by med.grey v.f.g. andesite matrix; tuff horizons randomly; bedding 45°; ½% Po/Py invading clasts/replacement; siliceous; undulating 50-55° contact	73.00	74.00	1.00	112006	<0.03	0.4	186	45	90	74
74.00	110.70	36.70	ANDESITE TUFF, weakly hematized, lt.purple/maroon; bedding 55°; pathcy magnetism associated with Po										

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 325° | Date Started: July 20, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-A | Inclination @ collar: -45° | Date Completed: July 21, 1998
Core Size: BTW | Elevation: 1674 m | Total Depth: 187.45 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			segregations to 2 cm², rounded; Py veinlets chaotically										
			<1%; dissem Py blebs & cubelets ubiquitously	74.00	75.50	1.50	112007	<0.03	0.4	217	38	96	98
			74.75 incr silic lt.grey coloration	75.50	77.00	1.50	112008	0.06	0.8	125	188	144	530
			75.50 bedding 65°, 1% Po, ½% Cpy				repeat	0.12	0.6	124	187	158	546
			76.00-87.68 black 'pinhead' rounded blebs	77.00	78.50	1.50	112009	0.05	2.4	138	109	430	915
			infest core surfaces (mn?)	78.50	80.00	1.50	112010	0.03	4.2	419	39	548	663
			76.65-78.45 vuggy, mm-wide quartz vein follows	80.00	81.50	1.50	112011	<0.03	4.0	119	18	228	342
			c.a. @ 5°, terminates over final 20	81.50	83.00	1.50	112012	<0.03	<0.2	57	30	64	94
			cm as 1 cm wide qtz vein	83.00	84.50	1.50	112013	<0.03	<0.2	65	29	66	319
			79.50-85.60 20-40° fractures, chlorite-filled,	84.50	86.00	1.50	112014	<0.03	<0.2	51	22	86	383
			overpint core; dissem <1% Py	86.00	87.50	1.50	112015	<0.03	<0.2	60	20	76	77
			cubelets mm², w-mod frac	87.50	89.00	1.50	112016	<0.03	<0.2	129	33	46	70
			85.75 bedding 45°; Py/Po dissem through-										
			out core to ½-1% quantities, occas										
			veinlets (mm-widths)	89.00	90.50	1.50	112017	<0.03	<0.2	178	29	50	65
			88.30-88.50 2% Po cm² blebs				repeat	<0.03	<0.2	171	25	40	58
			88.50 20-30° chlor shear, 2% Po, 1% Py	90.50	92.00	1.50	112018	<0.03	0.4	222	25	62	73
			89.40-90.80 30° chlor fractures coincident with	92.00	93.50	1.50	112019	<0.03	0.6	236	24	54	82
			1-2% Po ± ½-1% Py cubelets; Po	93.50	95.00	1.50	112020	<0.03	<0.2	100	21	74	71
			replacement of chlor clasts to 2%	95.00	96.50	1.50	112021	<0.03	<0.2	74	23	78	77
			randomly	96.50	98.00	1.50	112022	<0.03	<0.2	93	17	44	59
			92.75-100.15 longitudinal quartz veins with 1-2%	98.00	99.50	1.50	112023	<0.03	<0.2	110	21	34	47
			Po/Py marginally x-cut 15-35°	99.50	101.00	1.50	112024	<0.03	<0.2	75	21	36	46
			chl frax overprint, tr-½% stibnite	101.00	102.50	1.50	112025	<0.03	<0.2	62	20	30	54
			blebs/crystals along frac.planes	102.50	104.00	1.50	112026	0.03	<0.2	60	24	22	54
			99.10-99.60 10-15° limonitic open fracture				repeat	0.03	<0.2	62	23	24	58
			99.60-110.65 1% Py, 1% Py v.dissem throughout	104.00	105.50	1.50	112027	<0.03	<0.2	71	23	20	65
			104.50-104.70 hem/lim frac zone @ 28° to c.a.;	105.50	107.00	1.50	112028	<0.03	<0.2	88	24	22	61
			strong chlor	107.00	108.50	1.50	112029	0.03	<0.2	60	22	20	56
			105.10-106.00 limonitic open frac follows c.a.	108.50	109.50	1.00	112030	<0.03	<0.2	82	23	36	72
			108.15-110.70 increasingly silic / chlor, dyke	109.50	110.70	1.20	112031	<0.03	<0.2	36	15	32	56
			alteration zone										
			contact sharp 35°										
110.70	111.00	0.30	GRANODIORITE DYKE, strongly chloritized, c.g.; intrusive med.green quartz/feldspar/biotite/hornblende granodiorite; tr Py only; sharp 50° contact	110.70	111.70	1.00	112032	<0.03	<0.2	13	13	88	109
111.00	112.85	1.85	RHYOLITE TUFF, (possible highly altered silic andesite?) weak-mod chlor, tr Py/Po v.dissem; subtle 45° contact	111.70	112.85	1.15	112033	<0.03	0.4	9	12	96	104
112.85	113.20	0.35	ANDESITE TUFF BRECCIA, pyroclastic + tuff horizons, weak low-angle fractures, weakly chloritized, 45° contact	112.85	113.85	1.00	112034	<0.03	4.4	27	11	124	290

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 325° | Date Started: July 20, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-A | Inclination @ collar: -45° | Date Completed: July 21, 1998
Core Size: BTW | Elevation: 1674 m | Total Depth: 187.45 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
113.20	117.80	4.60	ANDESITE TUFF BRECCIA, pyroclastic; clasts to 2 cm² sub-rounded to angular consisting of rhyolite + chlor andesite fragments; feldspar porphyry fragments throughout; mod.chlor, med-green coloration; tr Po/Py dissem + localized along fractures to 1%, contact broken & limonitic at 45°	113.85	115.25	1.40	112035	<0.03	<0.2	85	17	26	59
				115.25	116.75	1.50	112036	<0.03	<0.2	87	16	20	37
117.80	119.35	1.55	RHYOLITE TUFF BRECCIA, pyroclastic, angular to sub-rounded intermed.clasts/pebbles in lt.grey/green v.f.g. matrix; strongly silic.; Po/Py dissem to ½% and marginal to clasts; bedding 50°; contact sharp and undulating 40°	116.75	118.25	1.50	112037	<0.03	<0.2	49	17	36	79
				118.25	119.35	1.10	112038	0.03	2.4	51	15	146	879
119.35	120.55	1.20	ANDESITE TUFF, med.grey capped by hematized / maroon intersection having stibnite ½%, Py 3-4%, Po 5%, at 40° (bedding intercept); subtle 45° contact 119.35-119.65 hematite 119.65-120.55 hematite	119.35	120.35	1.00	112039	0.49	16.4	240	19	2136	8238
120.55	122.15	1.60	RHYOLITE TUFF BRECCIA, pyroclastic, lt.grey, v.silic; mod fractured @ 30° and 35° on opposite planes; weakly chloritic; dissem Po/Py blebs and fractures associated; weak stibnite on fracture planes; contact 50-55°	120.35	121.85	1.50	112040	0.04	<0.2	77	17	56	91
122.15	128.25	6.10	ANDESITE TUFF, ~50% lapilli tuff horizons, med-grey, strongly silic.; contact gradual 60-65°	121.85	123.35	1.50	112041	<0.03	0.2	173	28	80	93
			122.15-122.36 massive Gn, Aspy, Po > Py, stibnite; >20% sulphides along 45° bedding plane	123.35	124.35	1.00	112042	3.54	72.8	581	19	1.92%	4.25%
			122.36-126.20 1-2% Po as blebs dissem; Py ½% dissem, tr stibnite frac-assoc	124.35	125.85	1.50	112043	<0.03	<0.2	92	20	82	139
							repeat	<0.03	0.4	101	22	92	150
			126.20-126.46 massive Gn, stibnite+ Po/Py stringers concordant to 35° bedding which shifts rapidly 35-45°; spec. hematite semi-massive >10%	125.85	126.85	1.00	112044	0.78	35.6	581	19	1.02%	8166
				126.85	128.30	1.45	112045	0.08	0.2	96	16	82	174
128.25	128.55	0.30	RHYOLITE TUFF, v.silic, lt-grey, tr Po/Py along 60° fractures and quartz veinlets; contact 60-65°	128.30	129.80	1.50	112046	<0.03	0.2	91	14	64	260
128.55	129.15	0.60	ANDESITE TUFF / LAPILLI TUFF, med.grey, v.silic., with white ovoid/rounded lapilli; tr Py/Po only v.dissem; contact 60°										
129.15	137.50	8.35	RHYOLITE TUFF, tuff breccia horizons (as noted); lt.-										

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 325° | Date Started: July 20, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-A | Inclination @ collar: -45° | Date Completed: July 21, 1998
Core Size: BTW | Elevation: 1674 m | Total Depth: 187.45 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			med.grey, v.v.silic; overprinted by 25° micro-fractures attenuating to 35° by 130m; fractures are chloritic; tr Py/Po, v.dissem; contact sharp 55°, limonitic	129.80	131.30	1.50	112047	<0.03	0.4	76	13	48	248
			130.78-131.30 tuff breccia, dk.grey, chloritic clasts 2-3 cm² in lt.grey v.silic matrix										
			131.55-131.75 50-60° chlor shearing, 3-5% spec hem + 2-3% Po concordantly										
			131.50-131.80 black oxidized pinhead crystals on core surfaces (Mn/stibnite?); probable stibnite; bedding 48°	131.30	132.80	1.50	112048	0.05	0.8	116	21	120	137
				132.80	134.30	1.50	112049	<0.03	<0.2	40	8	40	119
			132.90-134.00 tuff breccia, clasts to 3x5 cm², v.angular	134.30	135.80	1.50	112050	<0.03	1.0	52	8	132	2061
			134.00 mod.fractured										
			135.35-135.38 massive specular hematite @ 55° (bedding?); with concordant Py veinlets ± ½% Po; weak 60° qtz veinlets	135.80	137.30	1.50	112051	<0.03	1.6	523	17	34	239
137.50	139.15	1.65	ANDESITE TUFF BRECCIA + tuff horizons (as noted); silic, angular, chloritic, dk.green clasts (altered andesite); tr Py/Po marginally and as micro-veinlets chaotically	137.30	138.80	1.50	112052	<0.03	<0.2	37	12	22	49
							repeat	<0.03	<0.2	36	12	20	46
			137.50-138.55 tuff breccia, silic										
			138.50-138.80 tuff, longitudinal qtz/chlor vein filling										
139.15	140.00	0.85	RHYOLITE TUFF BRECCIA, dk.green, chlor angular clasts 1-5 cm² in lt.grey silic v.f.g. matrix; clasts oriented 30-35° (bedding); tr Py only; contact 60°	138.80	140.30	1.50	112053	0.03	<0.2	29	10	40	79
140.00	143.50	3.50	ANDESITE TUFF BRECCIA, pyroclastic; med.grey vfg andesite matrix; dk.green chlor cm² clasts @ 50° to c.a.; weak low-angle qtz veinlets throughout, mod chloritized; undulating 50° contact	140.30	141.80	1.50	112054	<0.03	<0.2	7	10	26	51
			141.75-142.90 fracture zone, 40-50° open fracs pervasively; weak limonite frac coating	141.80	143.30	1.50	112055	0.04	<0.2	11	11	24	142
143.50	145.70	2.20	ANDESITE TUFF BRECCIA, lapilli tuff; med.grey silic matrix supports chlor ½-3 cm² clasts; lt.grey lapilli scattered throughout; ½% Po/Py along rehealed/chlor fractures; contact 45°	143.30	144.80	1.50	112056	<0.03	<0.2	8	10	12	43
145.70	146.20	0.50	RHYOLITE TUFF BRECCIA, s.silic, lt.grey/brown (horn-felsed) rhyolite matrix supports dk.green 2-4 cm² angular clasts, contact 65°	144.80	146.20	1.40	112057	<0.03	0.2	31	9	54	78

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 325° | Date Started: July 20, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-A | Inclination @ collar: -45° | Date Completed: July 21, 1998
Core Size: BTW | Elevation: 1674 m | Total Depth: 187.45 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
146.20	149.20	3.00	ANDESITE TUFF BRECCIA, tuff (as noted); med.grey, silic, andesite matrix with cm-2cm² chlor clasts scattered throughout; contact 35-40°										
			146.20-146.40 tuff breccia, tr Py only as dissem and frac-associated	146.20	147.70	1.50	112058	<0.03	1.0	208	11	70	201
			146.40-149.20 tuff breccia, tr Py only as dissem and frac-associated										
			147.20-147.45 strongly chlor frac zone @ 30° to c.a.	147.70	149.20	1.50	112059	<0.03	<0.2	29	10	18	59
			148.75-149.20 tawny brown coloration, incr silic (hornfels)										
149.20	153.80	4.60	RHYOLITE TUFF, filigreed by chloritized 35-50° fracs /rehealed and random qtz veinlets; dissem stibnite, Aspy to ½% throughout unit; 55° fracture overprint; contact 30°(?)	149.20	150.70	1.50	112060	<0.03	<0.2	70	11	58	101
				150.70	152.20	1.50	112061	<0.03	<0.2	40	12	28	56
							repeat	<0.03	<0.2	43	11	28	58
				152.20	153.70	1.50	112062	<0.03	0.4	75	12	60	89
153.80	155.35	1.55	ANDESITE TUFF, med.grey, silic, unfrac'd to 153.50m; weak chlor partly resorbed rare clasts/fragments; sutble 65-70° contact	153.70	155.20	1.50	112063	<0.03	<0.2	52	13	42	59
155.35	157.40	2.05	RHYOLITIC TUFF (possible v.silic andesite tuff); lt.grey, crosscut ubiquitously by hairline 50-70° fractures rehealed by chlorite; tr Py v.dissem; weak quartz veinlets randomly; hematite/limonite along fractures	155.20	156.70	1.50	112064	<0.03	<0.2	80	13	38	162
157.40	157.95	0.55	ANDESITE TUFF, lapilli tuff; med.grey, v.f.g., intermed volcanic tuff; dk.grey <mm² rounded lapilli irregularly; tr Py only; fractured (45°?) contact	156.70	158.20	1.50	112065	<0.03	<0.2	60	17	30	105
157.95	159.00	1.05	RHYOLITE TUFF, lt.grey, strongly fractured, strongly chloritic; tr Py only; chloritized 30-35° contact										
			158.40-158.80 broken core, strong fracturing (fault zone?)	158.20	159.70	1.50	112066	<0.03	0.4	141	12	34	112
159.00	162.75	3.75	ANDESITE TUFF, weakly fractured, mod-strong silic; 30° limonitic fractures and quartz veinlets randomly surrounded by 20 cm limonite coloration; occasional lapilli/fragments dk.grey/chlor; Py to 1% in 20° qtz veinlets and dissem; 40° contact	159.70	161.20	1.50	112067	<0.03	0.4	66	13	46	46
							repeat	<0.03	0.2	68	14	50	49
				161.20	162.75	1.55	112068	<0.03	0.4	64	17	66	66
162.75	168.30	5.55	RHYOLITE TUFF, mod-strongly brecciated, v.v.silic, lt.grey; gradual change in color over next 6 m; rhyolite shatters and is invaded by increasing andesitic matrix;	162.75	164.25	1.50	112069	<0.03	0.4	75	20	74	121
				164.25	165.75	1.50	112070	<0.03	0.4	49	16	58	208

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 325° | Date Started: July 20, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-A | Inclination @ collar: -45° | Date Completed: July 21, 1998
Core Size: BTW | Elevation: 1674 m | Total Depth: 187.45 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology
			mod-strong limonitic fractures; bedding 50° to c.a.; tr Py/Po interstice-fill
			162.85-163.00 goethite filling 25° frac zone
168.30	174.20	5.90	ANDESITE TUFF BRECCIA, lt.grey rhyolite clasts supported by med.grey andesite matrix; limonite-stained fractures and pods of Po/Py to 1% randomly; mod chloritized matrix; structural movement indicated; sharp 60° contact
			168.70-169.00 quartz veinlets @ 40-45° and quartz interstice-filling
			169.00-171.60 increasingly fract'd/chlor'd and quartz veined @ 35-70° to c.a., tr Py only, bedding 55°; broken hematite/limonite fracs common
			171.60-172.80 pink-yellow coloration; strongly silic and crosscut by limonite/ chlorite fractures @ 45-70° to c.a.; 35° clast along axis orientation
			173.55 0.2-0.3 cm wide Po/Py veinlet @ 28° with chlor margins for 0.5 cm, 15° quartz veinlets
			173.50-174.20 med.grey, silic, 45° weak fracturing to contact
174.20	187.45	13.25	ANDESITE AGGLOMERATE DEBRIS FLOW, brecciated in part; c.g. polymictic/heterolithic clasts/cobbles/pebbles are sub-rounded, consist of prhyolite, andesite, and (remobilized) feldspar porphyry fragments; matrix is green/grey andesite; epidote anteration of clasts is evident; quartz clasts also noted
			174.20-175.12 silic, chlor, epidote altered
			175.12-181.75 v.altered, v.weakly silic, cobbles/ fragments range from <cm to 5cm², dissem Py cubelets and associated with low-angle (10-15°) cm-wide quartz veins rarely
			173.80-174.20 limonite fractures/shears @ 30°; clay fault gouge fill
			epidote % increase to 3-5% from 174.20 to end of hole
		187.45	Total Depth

From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
165.75	167.25	1.50	112071	<0.03	0.4	56	16	44	197
167.25	168.70	1.45	112072	<0.03	0.4	49	12	28	70
168.70	170.20	1.50	112073	<0.03	<0.2	28	13	18	158
170.20	171.70	1.50	112074	<0.03	0.8	110	12	64	641
171.70	173.00	1.30	112075	<0.03	0.4	56	18	56	154
173.00	174.20	1.20	112076	<0.03	0.4	42	18	38	177
			repeat	<0.03	0.2	43	18	38	175
174.20	175.70	1.50	112077	<0.03	2.6	86	24	200	507
175.70	177.20	1.50	112078	0.05	3.8	173	16	224	430
177.20	178.70	1.50	112079	<0.03	<0.2	101	17	32	111
178.70	180.20	1.50	112080	<0.03	<0.2	81	32	28	138

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 325° | Date Started: July 21, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-B | Inclination @ collar: -60° | Date Completed: July 22, 1998
Core Size: BTW | Elevation: 1672 m | Total Depth: 124.05 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
0.00	1.54	1.54	CASING, no recovery										
1.54	13.30	11.76	ANDESITE TUFF (1.54-1.60 broken core, fragments only), v.f.g. intermediate volcanic tuff, increasingly silicified to 5.80m, silic mod-strongly downwards; med.grey (quartz overgrowths) with patchy maroon hematite intersections having 1-2% Po veinlets and dissem's + tr-½% Py, tr Cpy blebs; strongly fractured, chlorite healed @ 60-80° to c.a.; weak tr stibnite as fracture filling, possible Sph in stronger hematized sections; fracture surfaces oxidized, limonite/hematite subtle contact	1.60	3.10	1.50	112081	0.04	1.0	23	15	338	143
			1.54- 6.70 med.grey, weakly silic	3.10	4.60	1.50	112082	0.10	1.6	68	17	390	214
			5.70- 6.50 magnetic, ½-1% Po, tr Py, maroon	4.60	6.10	1.50	112083	0.57	0.8	56	20	118	2216
			6.50- 7.80 med.grey, mod-strongly silic	6.10	7.60	1.50	112084	<0.03	<0.2	27	16	76	116
			7.80- 8.90 patchy maroon hematite, Po,Py to 2%, bedding 45-50°	7.60	9.10	1.50	112085	<0.03	<0.2	28	16	104	116
							repeat	<0.03	<0.2	29	18	106	119
			8.90-13.30 alternating silic with maroon hematite intersections; sulphides prefer hematite zones	9.10	10.60	1.50	112086	0.03	<0.2	87	27	116	1774
				10.60	12.10	1.50	112087	<0.03	0.6	66	21	196	366
				12.10	13.60	1.50	112088	<0.03	<0.2	49	23	148	176
13.30	14.25	0.95	ANDESITE TUFF BRECCIA, pyroclastic; 1-2 cm lt.grey felsic clasts in maroon hematite; v.f.g. intermed silicified volcanic tuff; stibnite/Py stringers 1-2% ubiquitously, Po to 1% locally, "magnetic rock"	13.60	14.60	1.00	112089	<0.03	<0.2	90	44	108	110
14.25	18.25	4.00	("maroon zone") ANDESITE TUFF and silicified grey andesite tuff; hematized moderately; pierced by Po strongers, euhedral Aspy laths to mm²; stibnite frac coating (± possible sylvanite); subtle 30°? contact										
			14.45-14.55 semi-massive Aspy/stibnite (sylvanite?) on frac planes, Po veinlets to m widths; fracs @ 20-25°to c.a.										
			14.80-15.25 silic, lt.grey alteration zone centered & caused by 20° quartz-carbonate veining/fracturing;, limonite stained & iron carbonate	14.60	16.10	1.50	112090	<0.03	<0.2	74	21	118	104
			15.25-18.25 lt.grey, silic Andesite Tuff, x-cut by low-angle Po & assoc'd Aspy crystals; fractures limonite stained @ 60-70° to c.a.	16.10	17.60	1.50	112091	<0.03	0.8	118	24	190	88
				17.60	19.10	1.50	112092	<0.03	1.2	124	24	132	73
18.25	42.20	23.95	ANDESITE TUFF BRECCIA (maroon) with andesite tuff horizons, more silic, lt.grey; sulphides = tr-½% Cpy, 2-4% Po, 2-3% stibnite, ½-1% Py, local concentra-	19.10	20.60	1.50	112093	<0.03	1.4	121	24	122	57
				20.60	22.10	1.50	112094	<0.03	2.0	114	21	120	49
				22.10	23.60	1.50	112095	<0.03	1.2	130	33	78	45

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 325° | Date Started: July 21, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-B | Inclination @ collar: -60° | Date Completed: July 22, 1998
Core Size: BTW | Elevation: 1672 m | Total Depth: 124.05 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology
			tions along fractures and as Po clast replacement; semi-massive sulphides over 5 cm widths; chlorite veining and alteration common; 'magnetic rock'; 35° contact
			22.15 tourmaline crystals
			33.05 breccia, 30-35° quartz vein, cm width; mod.hem with lt.grey intersections & local hem zones coincident with enhanced sulphides; rapid bedding angle shifts 60°; Po,Py stringers randomly to 1%; breccia clasts hematized -> interbedded tuff/ tuff breccia
42.20	42.50	0.30	RHYOLITE TUFF, lt.grey, v.siliceous felsic volcanic, bedding 35°; mod.fractured, tr Po/Py in fractures
42.50	44.65	2.15	ANDESITE TUFF, interbedded tuff breccia / tuff, silicified with mod.strong hematitic maroon intersections coincident with enhanced Po/Py/stibnite, 75-80° contact
44.65	44.95	0.30	ALTERED GRANODIORITE DYKE, equi-granular quartz-biotite (+ mafics hornblende?) granodiorite; dk.grey, med.grained; undulating 58° contact
44.95	77.05	32.10	ANDESITE TUFF, bedding 42-55°, low-angle 10-20° Po fracture filling, 1% Po/Py + dissem's, tr stibnite flakes; sharp silicified 45° contact
			47.55-47.70 Py-coated 20° open fracture; finely dissem Po/Py ubiquitous; weakly magnetic
			50.50-51.15 specular hematite/Py/Po-filled 0°-10° fracture <cm width follows c.a. down
			51.60-57.20 limonitic open fracture, carbonate-quartz veining slices @ 10-15° to short axis of core; core thorughout is magnetic, ½-1% Po/Py, Po fills low-angle 10°-30° fractures and dissem's; chloritized sections related to fracture; mod.to strongly siliceous
			55.80-55.90 semi-massive Po along 35° bedding planes
			58.00 40-45° bedding

From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
23.60	25.10	1.50	112096	<0.03	0.4	97	19	108	46
25.10	26.60	1.50	112097	<0.03	<0.2	64	14	120	59
26.60	28.10	1.50	112098	<0.03	<0.2	30	21	86	40
28.10	29.60	1.50	112099	<0.03	<0.2	50	12	140	54
29.60	31.10	1.50	112100	<0.03	<0.2	98	21	124	54
31.10	32.60	1.50	112101	<0.03	<0.2	169	28	144	82
32.60	34.10	1.50	112102	<0.03	<0.2	144	24	108	92
			repeat	<0.03	<0.2	148	24	114	94
34.10	35.60	1.50	112103	<0.03	<0.2	86	14	74	60
35.60	37.10	1.50	112104	<0.03	<0.2	83	18	64	56
37.10	38.60	1.50	112105	<0.03	<0.2	81	15	54	49
38.60	40.00	1.40	112106	<0.03	<0.2	87	16	46	74
40.00	41.60	1.60	112107	<0.03	<0.2	40	11	60	61
41.60	43.10	1.50	112108	<0.03	<0.2	75	18	46	46
43.10	44.60	1.50	112109	<0.03	<0.2	54	14	36	53
44.60	46.10	1.50	112110	<0.03	<0.2	130	35	46	73
46.10	47.10	1.00	112111	<0.03	<0.2	67	47	60	97
			repeat	<0.03	<0.2	67	46	68	101
47.10	48.60	1.50	112112	<0.03	<0.2	67	45	54	90
48.60	50.10	1.50	112113	<0.03	<0.2	66	34	50	86
50.10	51.60	1.50	112114	<0.03	11.2	136	44	1768	5099
51.60	52.80	1.20	112115	<0.03	<0.2	82	36	140	342
52.80	54.30	1.50	112116	0.04	2.8	129	36	576	1278
54.30	55.80	1.50	112117	<0.03	<0.2	103	33	290	239
55.80	57.30	1.50	112118	1.44	6.0	195	35	1192	964
57.30	58.80	1.50	112119	<0.03	1.2	139	29	362	164

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 325° | Date Started: July 21, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-B | Inclination @ collar: -60° | Date Completed: July 22, 1998
Core Size: BTW | Elevation: 1672 m | Total Depth: 124.05 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			63.85-64.84 cm-3cm wide 5° quartz vein with massive iron carbonate, 1% Gn,	58.80	60.30	1.50	112120	<0.03	<0.2	123	31	96	119
							repeat	<0.03	0.2	127	33	106	127
			1% graphite, 3-5% Po, 1% Py, ½%	60.30	61.80	1.50	112121	<0.03	<0.2	84	46	70	95
			Sph; 20° 2 cm wide specular hema-	61.80	63.30	1.50	112122	<0.03	<0.2	66	34	70	100
			tite/graphite, tr Gn and Po/Py to 3-	63.30	64.85	1.55	112123	0.27	32.8	161	40	8808	7553
			4%; bedding at 40° to c.a.; dissem	64.85	66.30	1.45	112124	<0.03	<0.2	126	33	236	250
			Po (magnetic) with local low-angle	66.30	67.80	1.50	112125	<0.03	6.6	188	38	1630	2891
			35° fracture filling randomly	67.80	69.30	1.50	112126	<0.03	0.6	105	27	316	106
			67.00-68.30 tr Cpy	69.30	70.80	1.50	112127	<0.03	0.8	189	32	358	152
			69.00-77.05 increasing lt.g-rey silicification with	70.80	72.30	1.50	112128	0.18	3.4	173	23	912	3172
			maroon hematite localization over	72.30	73.80	1.50	112129	<0.03	0.8	67	26	488	407
			10-50 cm										
			73.85-74.35 5° chloritic fracture zone, semi-	73.80	75.30	1.50	112130	<0.03	0.8	51	15	438	1181
			massive Po within 2 cm wide frac;										
			bedding 65° to c.a.										
			74.85-77.05 local Po/stibnite to 3-5%, 1% dissem	75.30	76.80	1.50	112131	<0.03	1.6	119	21	664	199
			± tr-1% Py cubes										
77.05	77.50	0.45	RHYOLITE TUFF, lt.grey, v.silic; tr Cpy, tr Cpy/Po along micro-fractures; undulating 45° contact	76.80	78.30	1.50	112132	0.08	4.6	219	17	856	915
77.50	84.90	7.40	ANDESITE TUFF BRECCIA, lapilli tuff horizons, mod.to strongly hematitic (maroon), v.f.g. intermed.volcanic; clasts chloritic, replaced in part by Po>Py; locally Po,Py to 3-5% assoc with fracture planes and dissem in blebs to 1% throughout; contact 40°	78.30	79.80	1.50	112133	0.49	7.2	403	12	924	1034
			79.30 25° fracture zone, epidote enhanced										
			79.25-83.10 incresed silicified, v.v.hard (not able to cut with rock-saw); 20° frax/chlor throughout; increased sulphide content; local massive Po with Cpy termiantions; specular hematite and magnetite massive ~10 cm intersections ± 3% Aspy										
			79.55-83.10 1-2% Aspy, ½% stibnite (minimum)	79.80	81.00	1.20	112134	0.37	7.0	1253	18	730	6636
			81.10-81.20 30° Po/iron carb-filled fracture										
			81.05-81.80 massive Po/iron carb and 3-5% Cpy, 1% Py, ½% graphite, tr Gn	81.00	82.00	1.00	112135	2.55	25.6	3637	24	1106	5.96%
			81.50-81.80 carbonatized, reacts with HCl; bedding 35°; fractured 30° hema-	82.00	83.00	1.00	112136	0.55	22.6	509	18	2046	6464
			tized contact										
			83.10-84.22 chloritized, pea-green andesite	83.00	84.50	1.50	112137	<0.03	2.0	86	24	342	195
			tuff, tr-½% Po/Py dissem				repeat	<0.03	2.0	90	25	372	203
			84.22-84.30 48° hematite intersections, sulphides as above										

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 325° | Date Started: July 21, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-B | Inclination @ collar: -60° | Date Completed: July 22, 1998
Core Size: BTW | Elevation: 1672 m | Total Depth: 124.05 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			84.30-84.65 chloritic, v.silic; Po,Py dissem to 1%	84.50	86.00	1.50	112138	<0.03	1.4	162	22	276	808
			84.65-84.90 strongly hem; Po,Py dissem to 1%				repeat	<0.03	1.4	161	22	250	814
84.90	85.05	0.15	GRANODIORITE DYKE, contact = Aspy to 1% euhedral laths), weakly limonitic, strongly chloritic; 55° contact										
85.05	93.55	8.50	ANDESITE TUFF, med.green/grey, v.f.g., intermed volc, chloritized; Po<Py to 1% as mm² crystals disseminated throughout; 35° weak foliation										
			86.00-87.05 Po/Py veinlets to 1% with ½% Cpy	86.00	87.50	1.50	112139	6.38	25.0	1376	24	802	776
			87.05-87.42 massive Po >15%, Cpy ~2% marginal to Po; quartz-flooded, 35° bedding, tr Py										
			87.42-88.00 3-4% Po, quartz clasts, Po replacement clasts	87.50	89.00	1.50	112140	1.02	27.0	1057	98	2316	4361
			88.05-88.40 mod.hem										
			88.15-88.90 45° fault zone (weak carbonate), broken core, v.silic (med.grey)	89.00	90.50	1.50	112141	0.03	2.0	52	17	440	566
			88.90-93.35 weak hem sections alternate with strong med.grey silic intersections; bedding 60°	90.50	92.00	1.50	112142	<0.03	0.6	33	15	284	1020
			93.35-93.55 semi-massive Po >10%, 1% Py, 3% graphite in 60 bands	92.00	93.50	1.50	112143	0.36	13.0	367	89	1982	5486
93.55	101.75	8.20	RHYOLITIC TUFF, lt.grey, v.siliceous with 50% med.grey andesite bands, weakly chloritic, very siliceous (as noted)										
			93.55- 94.60 lt.grey, silic. rhyolite, weakly fractured predom.40° to c.a.	93.50	95.00	1.50	112144	0.08	3.6	137	14	440	583
			94.60- 96.05 med.grey, silic andesite tuff, with mod.fracturing @ 25° to c.a., 1-2% Po veinlets & dissem, tr Py	95.00	96.50	1.50	112145	<0.03	<0.2	31	14	44	67
			96.05- 99.00 rhyolite tuff with mod fracturing @ 40° to c.a.; ± Po brecc'd in part	96.50	98.00	1.50	112146	<0.03	<0.2	17	14	40	95
			fracture filling, 1% overall; strongly siliceous	98.00	99.50	1.50	112147	0.03	<0.2	47	14	38	61
							repeat	<0.03	<0.2	52	14	40	58
			99.00-100.60 2% Po, 1% Py dissem and veinlets throughout; weakly-moderately chloritic, lt.green andesite tuff, chaotic fracturing, 60° bedding	99.50	101.00	1.50	112148	0.03	<0.2	69	40	32	63
101.75	124.05	22.30	ANDESITE TUFF, med.olive-green, siliceous with lighter grey (bleached) fracture intersections; tr-½% Po blebs and frac.filling; weakly hematitic 10 cm intersections rarely; sulphides fracture-related (as noted);	101.00	102.50	1.50	112149	0.04	1.8	435	29	36	116
				102.50	104.00	1.50	112150	<0.03	<0.2	46	14	32	57
				104.00	105.50	1.50	112151	<0.03	<0.2	45	16	52	162

Area: Red Cap (LJ)
Contractor: Falcon Drilling
Core Size: BTW

Latitude: 38+45N
Departure: 56+20E
Elevation: 1672 m

DDH LJ-98-5-B

Bearing: 325°
Inclination @ collar: -60°
Total Depth: 124.05 m

Date Started: July 21, 1998
Date Completed: July 22, 1998
Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			weak limonite fracture coating										
			105.10-105.75 55° fracture, mod.quartz-filled, tr dissem Po	105.50	107.00	1.50	112152	<0.03	<0.2	14	12	24	42
				107.00	108.50	1.50	112153	<0.03	<0.2	20	15	38	64
			107.95-108.50 fracture zone, limonite coating on fractures (high angle)	108.50	110.00	1.50	112154	<0.03	<0.2	53	15	32	130
			110.10-110.30 2% Po fracture filling, ½% Py/Cpy veinlet terminations	110.00	111.50	1.50	112155	0.18	2.2	1337	33	30	113
			111.35 45° Po fracture filling, tr Py	111.50	113.00	1.50	112156	<0.03	<0.2	107	16	38	47
			112.00-112.20 40° fracture, silic, TO, weak 30-40° fractures randomly, quartz-fill, local Po rarely to >1% within; rock becoming dacitic, lt.pea-green, siliceous				repeat	<0.03	<0.2	110	15	36	45
			118.65-119.00 lt.grey fracture intersections @ 45° to c.a., fractures @ 45° to to c.a.; tr Py cubelets only										
		124.05	Total Depth										

Area: Red Cap (LJ)
Contractor: Falcon Drilling
Core Size: BTW

Latitude: 38+45N
Departure: 56+20E
Elevation: 1672 m

DDH LJ-98-5-C

Bearing: 0°
Inclination @ collar: -90°
Total Depth: 100.89 m

Date Started: July 22, 1998
Date Completed: July 22, 1998
Logged By: R. I. Nichol

From m	To m	interval m	Lithology
0.00	1.52	1.52	CASING, no recovery
1.52	4.50	2.98	ANDESITE TUFF / LAPILLI TUFF 1.52- 3.70 broken core, Mn/chl-coated fracx + limonite coating; med.grey weakly silic intermed volcanic; Po>Py within high-angle fracs; bedding 75° -80° to c.a. 3.77- 3.80 Po/Chl band, Po to 2% along 80° bedding, Po veinlets randomly @ 55°-60°, 2 mm widths
4.50	10.40	5.90	ANDESITE TUFF BRECCIA, pyroclastic, med.grey, weakly silic, intermed.volcanic matrix supports dk.grey/ green clasts mm-2 cm² scale, Po invades clasts commonly; 1-2% Po within 10-15° and 40-60° frac/ veinlets; unit is weakly hematized, maroon with silic intersections; epidote alternation / clast replacement between 7.55m-10.40m; bedding 65-70°; distinct 42° contact 8.80-10.40 3-5% Po as veining/veinlets along 45-50° fractures
10.40	14.25	3.85	RHYOLITE TUFF, lt.grey, v.silic, maroon bands 20 cm wide @50° to c.a., containing 3-5% Po, tr stibnite; 1-2% Po >> Py dissem throughout unit; weakly frac'd with limonite coating; Po blebs throughout to cm², rounded; indistinct fractured contact 12.50-14.25 open, limonite-coated frault longitudinal to c.a.; geothite/ limonite filled to cm widths
14.25	58.70	44.45	ANDESITE TUFF / LAPILLI TUFF, maroon, mod.hem; v.f.g. intermed.volcanic; Po dissem throughout + concentrated along low-angle fractures; epidote and chlorite throughout; weakly-mod.siliceous; quartz-Py veinlets @ 5-15° randomly; 35° contact 15.85-17.10 fracture zone, limonitic 15.95-16.40 cm-2 cm wide quartz-carbonate vein, limonitic, follows c.a. 16.80-17.00 Py, Po, stibnite-filled 15° fracture + quartz + carbonate 17.00-17.30 semi-massive stibnite over mm widths (fracture) to 2-3% locally, dissem 1% Po; magnetic core

From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
1.52	3.00	1.48	112157	<0.03	0.4	20	18	320	149
3.00	4.50	1.50	112158	0.03	1.2	42	22	418	160
4.50	6.00	1.50	112159	<0.03	0.8	53	22	120	78
6.00	7.50	1.50	112160	<0.03	1.0	82	24	114	99
7.50	9.00	1.50	112161	<0.03	2.2	154	24	184	127
9.00	11.50	2.50	112162	0.08	2.8	120	21	362	356
10.50	13.00	2.50	112163	<0.03	2.0	62	18	204	372
note: 112162-112164 : intervals as recorded by Logger									
12.00	14.25	2.25	112164	0.17	1.6	68	21	164	716
14.25	15.75	1.50	112165	<0.03	5.0	123	22	240	1982
15.75	17.25	1.50	112166	0.03	4.4	155	25	316	6560
17.25	18.75	1.50	112167	0.08	1.8	94	28	96	1.19%
18.75	20.25	1.50	112168	<0.03	1.6	49	15	74	454
20.25	21.75	1.50	112169	<0.03	1.2	98	24	34	408
21.75	23.25	1.50	112170	<0.03	0.2	42	18	32	347

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 0° | Date Started: July 22, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-C | Inclination @ collar: -90° | Date Completed: July 22, 1998
Core Size: BTW | Elevation: 1672 m | Total Depth: 100.89 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			core is mod.hematitic with lighter grey silic zones throughout cyclically	23.25	24.75	1.50	112171	<0.03	<0.2	26	22	26	103
				24.75	26.25	1.50	112172	<0.03	<0.2	83	27	22	76
			18.30-23.40 longitudinal fracture cross-cuts + offsets 45-50° frac (cm offset);	26.25	27.75	1.50	112173	<0.03	0.6	71	25	38	185
							repeat	<0.03	0.6	69	24	42	185
			tr Aspy. ½% Py, ½-1% Aspy, 1% stibnite, 2% Po; sulphides also dissem particularly in hem sections; fractures limonite coated; stibnite = euhedral spicules / acicular sections	27.75	29.25	1.50	112174	<0.03	<0.2	65	16	38	91
				29.25	30.75	1.50	112175	<0.03	<0.2	121	22	72	184
				30.75	32.25	1.50	112176	<0.03	0.2	125	28	60	140
				32.25	33.75	1.50	112177	0.03	1.8	64	19	90	101
				33.75	35.25	1.50	112178	<0.03	3.8	58	17	290	148
			23.40-41.00 incr.silic., med.grey	35.25	36.75	1.50	112179	<0.03	0.8	104	61	180	352
			40.35 3 mm wide 55° graphite horizon; mottled appearance to hematite sections; rounded quartz frag's; local sulphides to 2-3% along frac planes, minor chlorite/epidote shear-filling; lt.green/blue frac-filling (dravite? chlor?)	36.75	38.25	1.50	112180	<0.03	<0.2	75	53	46	131
				38.25	39.75	1.50	112181	0.03	3.8	53	27	528	538
				39.75	41.25	1.50	112182	<0.03	<0.2	32	15	28	71
							repeat	<0.03	<0.2	34	15	32	72
				41.25	42.75	1.50	112183	<0.03	<0.2	61	23	28	102
				42.75	44.25	1.50	112184	<0.03	<0.2	50	19	26	70
				44.25	45.75	1.50	112185	<0.03	0.8	58	26	180	206
			41.00-42.00 tr-1% stibnite, 2% OPo, ½% Py dissem; bedding 30-35°	45.75	47.25	1.50	112186	<0.03	<0.2	29	14	34	71
				47.25	48.75	1.50	112187	<0.03	<0.2	50	16	26	67
				48.75	50.25	1.50	112188	<0.03	<0.2	149	29	44	152
				50.25	51.30	1.05	112189	<0.03	<0.2	149	29	44	152
			51.30-58.70 dk.maroon, strongly hematized, incr.sulphides dissem 2-3% stib/ Po/Py, tr Cpy	51.30	52.80	1.50	112190	<0.03	<0.2	284	52	68	168
				52.80	54.30	1.50	112191	0.03	<0.2	385	67	50	350
							repeat	<0.03	<0.2	400	70	52	366
				54.30	55.80	1.50	112192	0.06	5.4	954	57	50	560
				55.80	57.30	1.50	112193	0.05	1.0	505	190	44	142
58.70	59.50	0.80	RHYOLITE TUFF, 'bleached' white, strongly fractured and quartz veined; 1-2% Py, 1% Po, tr stibnite	57.30	58.80	1.50	112194	0.04	<0.2	319	98	40	225
				58.80	60.30	1.50	112195	0.03	0.6	262	22	32	57
			58.80-59.50 0-5° 2cm wide quartz vein, limonitic contacts										
			59.55 50° Po vein 0.5cm + graphite										
59.50	62.70	3.20	ANDESITE TUFF / LAPILLI TUFF, maroon, weak hem; dissem 1-2% stibnite, 1-2% Po, ½% Py locally to 3-4% in fractures, tr Aspy spicules, striated perfect crystals; 40° contact	60.30	61.80	1.50	112196	<0.03	<0.2	254	64	52	101
62.70	63.10	0.40	RHYOLITE TUFF, lt.grey/white, v.siliceous; Po blebs >cm² rounded and frac-fill; contact 60°	61.80	63.10	1.30	112197	<0.03	<0.2	247	121	38	63
63.10	64.50	1.40	GRANODIORITE DYKE, m.g., altered/chloritic grano-diorite; clasts of andesite/rhyolite incorporated; limonite along fracture planes throughout; stronly limonitic contact "lost"	63.10	64.10	1.00	112198	<0.03	<0.2	56	25	36	74
				64.10	65.60	1.50	112199	<0.03	<0.2	77	16	24	46
			63.10-63.70 dyke alteraiton zone, bleached										

Area: Red Cap (LJ) | Latitude: 38+45N | DDH | Bearing: 0° | Date Started: July 22, 1998
Contractor: Falcon Drilling | Departure: 56+20E | LJ-98-5-C | Inclination @ collar: -90° | Date Completed: July 22, 1998
Core Size: BTW | Elevation: 1672 m | Total Depth: 100.89 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			anatectized										
64.50	75.80	11.30	ANDESITE TUFF, strongly silic intersections = lt.grey, mass = med.grey mod-strongly silic; tr-½% local stibnite, Po>Py, tr Cpy v.dissem; limonite staining along multiple fractures; bedding 65-70°; cm wdith itinerant quartz veinlets follow c.a. commonly with tr-1% Po marginally	65.60	67.10	1.50	112200	<0.03	1.2	308	11	22	58
				67.10	68.60	1.50	112201	<0.03	1.4	391	23	32	95
				68.60	70.10	1.50	112202	<0.03	<0.2	169	16	42	69
				70.10	71.60	1.50	112203	<0.03	0.6	209	11	76	59
				71.60	73.10	1.50	112204	<0.03	0.4	169	14	116	67
				73.10	74.60	1.50	112205	0.03	0.4	264	15	68	72
75.80	75.95	0.15	ANDESITIC FELDSPAR PORPHYRY DYKELET, upper contact 20°, lower contact 50°; limonitic and fractured; tr Py v.dissem	74.60	76.10	1.50	112206	<0.03	<0.2	154	14	54	61
75.95	99.90	23.95	ANDESITE TUFF with Tuff Breccia intersections; predom. med.grey/silic with random hematized sections usually sulphide-enhanced; 1-2% Po, ½-1% stibnite, ½% Py, random graphite veinlets to 1-2% over <cm widths; Po replaces clasts commonly; 30° contact	76.10	77.60	1.50	112207	0.03	<0.2	279	15	42	65
				77.60	79.10	1.50	112208	0.14	0.6	331	13	48	43
							repeat	0.14	0.6	346	14	64	49
				79.10	80.60	1.50	112209	0.03	<0.2	96	20	54	70
				80.60	81.60	1.00	112210	0.03	<0.2	127	42	58	147
				81.60	82.60	1.00	112211	<0.03	<0.2	102	34	58	203
				82.60	84.10	1.50	112212	0.03	<0.2	102	19	48	90
				84.10	85.60	1.50	112213	<0.03	<0.2	170	26	44	80
				85.60	87.10	1.50	112214	<0.03	<0.2	90	17	32	48
							repeat	<0.03	<0.2	92	16	26	49
				87.10	88.60	1.50	112215	<0.03	<0.2	125	12	52	75
				88.60	90.10	1.50	112216	<0.03	0.6	184	15	64	63
				90.10	91.60	1.50	112217	<0.03	0.4	136	21	68	35
				91.60	93.10	1.50	112218	<0.03	0.2	120	19	42	808
				93.10	94.60	1.50	112219	<0.03	<0.2	115	19	32	89
				94.60	96.10	1.50	112220	<0.03	<0.2	92	17	38	54
				96.10	97.10	1.00	112221	0.10	6.2	206	22	1882	6421
				97.10	98.10	1.00	112222	0.03	1.0	108	12	274	115
				98.10	99.40	1.30	112223	<0.03	<0.2	156	11	16	39
							repeat	<0.03	<0.2	157	11	14	87
			78.50-79.55 increasingly chloritized, lt.green, 35° mod.foliation / shear + clast orientation										
			79.55-82.80 mod.chloritic, pea-green alteration, v.dissem Po/Py only <<1%										
			82.80-85.00 mod.fractured, liminitic and qtz-carb veined @ 5°; strongly silicified										
			85.60-85.90 strongly brecc'd and silicified; Po ~1% dissem 0.5cm² blebs, Po clusters along frac/chlor + epidote veinlets to contact										
			91.70-98.10 epidote/chlorite/fractures, 35° bedding										
99.90	100.89	0.99	ANDESITE PORPHYRY, med.grey, strongly fractured intrusive dyke; weak carbonate veinlets longitudinal to core	99.40	100.89	1.49	112224	<0.03	<0.2				
		100.89	Total Depth										

Area: Red Cap (LJ) | Latitude: 40+55N | **DDH** | Bearing: 010° | Date Started: July 23, 1998
Contractor: Falcon Drilling | Departure: 54+96E | **LJ-98-6** | Inclination @ collar: -45° | Date Completed: July 24, 1998
Core Size: BTW | Elevation: 1709 m | Total Depth: 150.90 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
0.00	1.52	1.52	CASING, no recovery										
1.52	8.75	7.23	CHERT bands within altered siliceous qtz monzonite(?) broken contact; limonitic										
			1.52-8.10 broken core, limonite coated (chert = chill margin cycles?); lt.grey/ green cryptocrystalline chert thru-out (upper magma chamber facies?); lt.grey/white f.g. intrusive rock;	1.52	3.00	1.48	112225	0.06	3.6	103	5	216	382
			dk.grey/black patchy retrograded biotite (chlorite) give texture to intrusive; qtz monz is brecc'd in part exhibiting Po/Py replacement of <cm² clasts randomly oriented (anatectically altered intrusive?); Mn dendrites very common along fracture zones invading to 5 cm widths	3.00	4.50	1.50	112226	0.06	11.0	68	3	2248	562
				4.50	6.00	1.50	112227	<0.03	2.2	57	4	150	779
			3.30-4.00 longitudinal limonite frac followed by semi-massive Py to cm widths	6.00	7.50	1.50	112228	<0.03	2.0	85	4	56	336
8.75	9.40	0.65	RHYOLITE (TUFF?) FELSITE, shows bedding 70° with oxidized Py crystals ubiquitously; ½-1% Py (clast?) replacement; broken contact, limonitic	7.50	9.00	1.50	112229	<0.03	2.0	185	4	76	378
9.40	12.45	3.05	QUARTZ MONZONITE, siliceous, v.altered; longitudinal fractures commonly filled with semi-massive Py; (Mn?) dendrites throughout rock unit; Py/Po-filled 70-75° fractures in <cm spaced bands; epidote alt'd lt.green; faulted contact (60°?), limonitic	9.00	10.50	1.50	112230	<0.03	1.4	25	<1	164	287
			11.50-12.45 freshens and brecciates	10.50	12.00	1.50	112231	<0.03	0.6	30	1	16	311
12.45	17.95	5.50	FELSITE (ultra-silicified rhyolite), lt.green/white flecked with oxidized Py crystals << mm²; local Po/Py fracture-filling to 1-2%; 65° bands of 10 cm wide Py>Po at 15.88-15.93m and 16.21-16.24m define bedding; contact @ 15°	12.00	13.50	1.50	112232	<0.03	3.3	105	5	338	1274
							repeat	<0.03	3.6	106	5	328	1217
				13.50	15.00	1.50	112233	<0.03	1.0	47	3	30	308
				15.00	16.50	1.50	112234	<0.03	4.2	237	18	38	195
				16.50	17.95	1.45	112235	<0.03	4.0	304	5	30	103
			16.50 bedding 75°										
			16.80-16.98 liesegang rings; limonite stained										
17.95	25.87	7.92	QUARTZ MONZONITE, altered with chert bands/ horizons, v.v.silic, lt.grey/green, qtz 'eyes' throughout; mod.fractured; chert is translucent, pale grey/green/ white; fractures @ 75° locally loaded with Py/Po to 5-10% over cm-2cm widths; Sph in 2-3% in fracs at										

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From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			18.90-19.00m, 19.35-19.37m, 19.70-19.72m, 19.81-20.30m; chert with 3cm² qtz monz clasts along base; undulating 50° contact	17.95	19.00	1.05	112236	0.07	12.6	1370	5	16	382
				19.00	20.30	1.30	112237	0.15	5.0	396	9	456	1210
			20.30-20.70 qtz monz, local semi-massive Py> Po in cm-2cm² 'blebs'	20.30	21.80	1.50	112238	0.07	18.0	2039	7	52	6366
			21.00-21.80 1-2% Po, 1-2% Py, 1-2% Sph as 10-15° frac filling, chlor fracs	21.80	22.80	1.00	112239	0.11	1.4	141	3	42	2760
			intrusive fragments/clasts to 5 cm² in chert units	22.80	23.80	1.00	112240	0.12	2.8	236	5	48	1006
			22.35-25.00 1-2% Po/Py, 1-2% Sph in fractures at 0-5°	23.80	24.80	1.00	112241	0.12	1.6	168	9	20	90
				24.80	25.87	1.07	112242	<0.03	4.8	319	13	24	155
			25.73-25.80 Po/Py dissem ~5% along 75° bedding/foliation										
25.87	26.12	0.25	ANDESITIC TUFF, 76°; Po/Py/Sph ~2% horizon, v.f.g., med.grey, silic, contact 80°	25.87	27.00	1.13	112243	0.14	6.4	309	6	28	95
26.12	27.35	1.23	QUARTZ MONZONITE, f.-m.g., white/lt.grey, white qtz eyes to 0.5cm², tr Sph along frac planes, broken limonitic contact										
27.35	28.15	0.80	ANDESITE TUFF BRECCIA, with qtz clasts to 2-3cm², pale green, epidotized; 1-2% Po/Py clustered finely arounds clasts; contact 75-80°	27.00	28.50	1.50	112244	0.17	7.6	649	7	430	184
28.15	35.10	6.95	QUARTZ MONZONITE, + med.grey minerlized andesitic bands; lt.grey, f.g., altered intrusive with med.-dk.grey andesitic bands (10-20 cm widths); siliceous; Po/Py to 2-3% finely dissem & in clusters intervals 28.90-29.00m, 29.70-29.78m, 28.95-30.12m, and 32.60-32.67m; Mn(?) dendrites noted along fracs; sharp 75° contact	28.50	30.00	1.50	112245	<0.03	1.4	129	5	16	133
				30.00	31.50	1.50	112246	0.08	0.8	76	4	16	125
				31.50	33.00	1.50	112247	<0.03	1.2	113	5	26	300
				33.00	34.00	1.00	112248	0.17	2.0	140	4	50	302
				34.00	35.10	1.10	112249	0.31	6.6	427	5	174	268
							repeat	0.31	6.8	420	5	180	271
			31.00-31.40 5-10° limonite/goethite-filled fracture, Po/Py within frac to 1-2%										
			31.40-32.00 60-70° mod.strong foliation develops; Po/Py dissem along foliation										
35.10	40.45	5.35	FELSITE/RHYOLITE FLOW BRECCIA/AGGLOMERATE, Py dissem throughout matrix 1-2% ± ½-1% Po; dk.green chlor clasts invariably Po-replaced; white sub-rounded qtz + rhyolite pebbles 40%; dk.grey intersections 10-20 cm may be andesitic pulses; limonitic 50° contact	35.10	36.60	1.50	112250	0.07	6.0	233	8	550	355
				36.60	38.10	1.50	112251	0.06	1.0	39	5	72	212
				38.10	39.60	1.50	112252	<0.03	3.6	145	12	178	223
				39.60	40.60	1.00	112253	<0.03	1.6	114	13	90	102
40.45	41.50	1.05	ANDESITE TUFF, rhyolitic, strongly silic intersections;	40.60	41.60	1.00	112254	<0.03	4.0	177	9	160	317

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Core Size: BTW | Elevation: 1709 m | Total Depth: 150.90 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			fine mottled appearance (possible hypabyssal andesite equivalent); Po frac-filling to 2-3% over <cm widths;										
41.50	42.90	1.40	RHYOLITIC FLOW(?), altered; lt.green chlor/epidotized; brecciated in part; finely dissem Py to 1% throughout; dotted with mm² Po crystals 1%, sharp 55° contact	41.60	42.90	1.30	112255	<0.03	5.4	85	7	256	527
42.90	83.70	40.80	ALTERED ANDESITIC TUFF BRECCIA; matrix med.grey, silic, supports chlor dk.green clasts to 2 cm²; Po										
			replaces clasts partly; silicified lt.grey intersections throughout may be aborted rhyolitic pulses, v.silic.	42.90	44.40	1.50	112256	<0.03	1.6	65	6	138	984
				44.40	45.90	1.50	112257	<0.03	2.0	59	5	288	359
			50° fractures throughout; ½-1% Po + chlorite; Py flecks throughout	45.90	47.40	1.50	112258	0.16	0.6	20	2	68	83
							repeat	0.17	0.4	19	2	62	81
			45.80-45.90 1% Gn, ½-1% Sph as blebs to 1 cm² (possible frac filling?)	47.40	48.90	1.50	112259	0.48	0.8	30	3	104	346
				48.90	50.40	1.50	112260	<0.03	0.2	26	3	48	122
			50.10-83.70 andesite tuff intersections 10-20 cm alternating with tuff breccia and rhyolitic zones 20-40 cm in width; Po>Py concentrated in fracs (chaotic) and dissem finely to 1-2% locally	50.40	51.90	1.50	112261	<0.03	0.6	29	3	104	85
				51.90	53.40	1.50	112262	<0.03	0.6	24	2	94	123
				53.40	54.90	1.50	112263	<0.03	1.2	89	5	182	468
				54.90	55.90	1.00	112264	<0.03	1.0	133	11	304	1.11%
				55.90	57.40	1.50	112265	0.10	1.6	91	5	98	152
				57.40	58.90	1.50	112266	0.25	1.8	29	3	176	163
			54.90-55.45 ½% Sph, 2% Po/Py; strongly frac'd @ 5-10° to c.a.	58.90	60.40	1.50	112267	<0.03	1.0	35	3	136	183
							repeat	<0.03	1.0	36	4	148	199
			62.50-62.70 as above	60.40	61.90	1.50	112268	<0.03	0.6	49	6	44	474
			64.20-64.55 dissem v.f.g. Sph along fracs at 15° to c.a.	61.90	62.90	1.00	112269	<0.03	5.2	164	11	192	611
				62.90	64.40	1.50	112270	<0.03	7.4	158	13	198	3189
			66.00-74.80 1-2% local Po>Py within low-angle (0-10°) and 45-60° fracture sets commonly; rock is andesite tuff w/ tuff breccia intersections and lt. grey more silicified zones 30-40 cm wide; later stage qtz veins/veinlets crosscut fracture at 35-40°, 1-2 cm widths at 69.80m and 70.45 m; Po 2-3% marginally	64.40	65.50	1.10	112271	<0.03	7.6	124	10	236	1333
				65.50	67.00	1.50	112272	<0.03	2.2	165	12	66	2117
				67.00	68.50	1.50	112273	<0.03	2.4	228	15	34	1594
				68.50	70.00	1.50	112274	<0.03	1.4	160	11	24	1501
				70.00	71.50	1.50	112275	0.07	2.4	206	20	34	993
				71.50	73.00	1.50	112276	<0.03	6.6	89	8	190	562
				73.00	74.50	1.50	112277	1.39	11.6	160	13	212	1057
				74.50	76.00	1.50	112278	<0.03	1.0	41	4	32	762
				76.00	77.50	1.50	112279	<0.03	0.6	30	4	12	52
			67.75-83.70 lighter grey, increased silicification, approaches rhyolitic % SiO2; fine filigreed fractures @ 5-60° to c.a., followed by Po>Py to 1%; fracs crosscut by clasts (fault alteration)	77.50	79.00	1.50	112280	<0.03	2.4	78	7	162	1077
				79.00	80.50	1.50	112281	<0.03	2.4	98	6	166	1211
				80.50	82.00	1.50	112282	<0.03	2.2	74	5	114	1085
				82.00	83.70	1.70	112283	<0.03	2.4	140	8	54	1247
83.70	86.85	3.15	FAULT ZONE, 15° plane to core axis, kaolinite fill fault gouge, white/soft @ 15°; weakly limonitic; rock strongly fractured at low angles to c.a., contact 15°	83.70	85.30	1.60	112284	<0.03	0.8	49	5	24	386
							repeat	<0.03	0.8	49	6	28	416
				85.30	86.85	1.55	112285	<0.03	0.4	36	3	26	110
			84.70-84.85 2% Py fill										

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From m	To m	interval m	Lithology
86.85	97.40	10.55	ANDESITE TUFF / lapilli tuff (with Tuff Breccia horizons to 0.5 m widths); med.grey, crosscut by fine chlor 45-60° fractures; weakly chlor increasing in local strong frac zones; Po>Py concentrated in fracs to 1% locally 92.05-92.60 strongly fract'd, limonitic, bleached, tr Py 92.80-92.85 1-2° frac-related Sph @ 15° to ca 93.70-94.20 2-4% Po, 1% Py, dissem Sph fracture-filling
97.40	99.80	2.40	FAULT ZONE, 25° to c.a., limonitic, strongly fractured at 25° to c.a., soft chlor fault gouge, tr Sph in frac's locally to 1%, 25° contact
99.80	105.30	5.50	ANDESITE TUFF BRECCIA, pyroclasltic, tuff horizons, med.grey/green, weakly chlor predominantly Tuff Breccia with tuff horizons to 30 cm widths; 50° contact 100.00 bedding 65° 100.80-101.00 15° fracture zone, limonitic 104.00 bedding 55°, mod-weak silic 105.15-105.30 breccia clasts to 2 cm², incr chlor
105.30	115.10	9.80	ANDESITE FELDSPAR PORPHYRY INTRUSIVE, rare rounded mm² qtz 'eyes' (<1%), lt.green feldspar phenocrysts (~20% of core) supported by aphanitic silic matrix + mod.-strongly chlor; some epidote phenocryst replacement; feldspar sausseritized/ altered; tr Po/Py only; randomly placed kaolinitized fracture zones as noted; 60° contact 110.90-113.40 kaolinitized (veins / fracture coating) fracture zone 114.50-115.10 fractured, kaolinitied, frax zone, shear @ 60°
115.10	116.15	1.05	ANDESITE LAPILLI TUFF, Tuff Breccia horizons; intermed.volcanic tuff breccia sequences, med.grey/ green, chloritized variably; tr Py only; 80° contact
116.15	116.70	0.55	(ANDESITIC) INTRUSIVE, med.-lt.grey, m.g.; remnant chlor biotite flakes, no visible sulphides; white rounded phenocrysts = altered feldspar; weakly fractured; contact 85°

From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
86.85	88.00	1.15	112286	<0.03	2.2	156	4	20	149
88.00	89.50	1.50	112287	0.27	4.4	274	4	28	204
89.50	91.00	1.50	112288	0.07	1.2	78	8	58	150
91.00	92.50	1.50	112289	<0.03	3.0	133	9	190	1056
92.50	94.00	1.50	112290	0.42	11.0	538	13	280	424
94.00	95.50	1.50	112291	0.59	1.0	113	9	24	166
95.50	96.50	1.00	112292	<0.03	0.6	45	7	18	138
96.50	97.40	0.90	112293	<0.03	0.6	57	9	18	156
			repeat	<0.03	0.6	59	9	18	152
97.40	99.80	2.40	112294	1.00	62.4	1376	28	1112	4380
			repeat	--	61.8	--	--	--	--
99.80	101.30	1.50	112295	0.04	1.4	113	11	34	520
101.30	102.80	1.50	112296	<0.03	1.0	87	9	36	334
105.30	106.80	1.50	112297	<0.03	2.6	167	15	34	272
110.90	112.40	1.50	112298	<0.03	1.2	27	5	246	387
114.30	115.80	1.50	112299	<0.03	0.4	53	8	26	518

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From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
116.70	117.50	0.80	ANDESITE LAPILLI TUFF, silic, generically related to above hypabyssal equivalent; med.grey matrix; lt.grey rounded lapilli <<mm²; no visible sulphides; broken contact (80°?), kaolinitized										
117.50	119.50	2.00	(ANDESITIC) INTRUSIVE, altered feldspar rounded phenocrysts; fragments of andesite lapilli tuff to 5cm² over initial 20 cm and at 118.50-118.85m; no visible sulphides; 60-65° clast orientation; 45° contact 118.95-119.10 'cherty' crysto-crystalline cooling rim, lt.pink (hem) coloration	117.50	119.00	1.50	112300	<0.03	0.2	33	5	32	313
119.50	125.95	6.45	ANDESITE LAPILLI TUFF, Tuff Breccia horizons to 20 cm widths, chloritized, med.green with rounded 2-5 cm epidote 'eggs'/concentrations; rock becoming more mafic compositionally, 25° contact 123.65-13.87 minor andesitic intrusive (dykelet)										
125.95	126.55	0.60	FAULT ZONE, limonitic, broken core; no visible sulphides; hem fracs longitudinal to c.a. dominate; moderate clay reduction; soft 'soapy', broken low-angle 10-15° contact										
126.55	129.35	2.80	ANDESITE LAPILLI TUFF, med.green/grey, chlor unit; Tuff Breccia 10-20 cm wide horizons randomly; no visible sulphides; 25° contact										
129.35	132.30	2.95	FAULT ZONE, limonitic, chloritic, weakly kaolinitized fracture surfaces, 'broken core'; no visible sulphides; fragments only to 3 cm widths; overdrilled - lost core, note: 2.3 m recovery between 129.35-132.30 m	129.30	130.80	1.50	112301	<0.03	<0.2	28	7	14	184
				130.80	132.30	1.50	112302	<0.03	0.6	89	7	18	256
							repeat	<0.03	0.6	86	7	14	240
132.30	150.88	18.58	ANDESITE TUFF, pale green, chlor, Tuff Breccia; frac zones common (where noted); Tuff Brecia zones randomly sited to 30 cm widths; epidote altered rock; tr Py frac-fill 134.42-134.65 broken core, fractured 134.80-135.70 broken core, strong longitudinal frac, barren qtz veinlets 136.80-137.45 longitudinal open fracture, chlor coated, weak clay alteration 150.10-150.88 brecciated, clasts to 5 cm² (of Andesite Tuff); no visible sulphides										
		150.88	Total Depth										

Area: Red Cap (LJ) | Latitude: 42+61N | DDH | Bearing: 0° | Date Started: July 25, 1998
Contractor: Falcon Drilling | Departure: 55+12E | LJ-98-7 | Inclination @ collar: -45° | Date Completed: July 26, 1998
Core Size: BTW | Elevation: 1518 m | Total Depth: 119.78 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
0.00	1.52	1.52	CASING, no recovery										
1.52	3.50	1.98	ANDESITE TUFF BRECCIA, rhyolite clasts to 3 cm², broken 85° contact 1.52-3.20 broken core, hem frac surfaces 2.50-2.65 15° goethite-filled fracture, strongly silicified; 5% Aspy, 3-4% Py, 2% Po in interval above, poss v.dissem Sph 3.15-3.30 4% Aspy, 2% Py, 1% Po, possible v.dissem Gn (stibnite?); strongly fractured & limonitic; strong silic	1.52	2.65	1.13	112303	0.12	3.2	162	35	154	2114
				2.65	3.50	0.85	112304	0.08	1.6	127	12	60	3932
3.50	6.18	2.68	RHYOLITE TUFF BRECCIA, andesite clasts to 2x3 cm; ½% Po/Py dissem	3.50	5.00	1.50	112305	<0.03	<0.2	32	4	18	119
				5.00	6.18	1.18	112306	<0.03	0.4	94	7	28	239
6.18	7.75	1.57	FAULT ZONE, goethite/limonite dominated, 10 cm sections of massive Py, kaolinitized rock to 6.70 m; strongly fractured, sense of fault 30-35° to c.a.; contact 15°	6.18	7.75	1.57	112307	<0.03	3.0	318	17	54	196
7.75	9.10	1.35	RHYOLITE TUFF BRECCIA, pyroclastic; moderately fractured, limonite-stained faces, 1-2% Py along fractures, tr Po; bedding 75°; broken limonitic contact	7.75	9.10	1.35	112308	<0.03	2.0	117	8	226	430
9.10	18.90	9.80	ANDESITE LAPILLI TUFF, Tuff Breccia horizons; 75° bedding; sections of med.grey silic andesite dominated by olive-green chlor and tuff; tr v.dissem Py/Po only; 30-40° fractures rarely carry 1-2% Po fill; contact 45° subtle 15.85-16.30 35° fracture, 2-3% local Po fill 16.70-17.40 Tuff Breccia, lighter green/grey matrix supports 1-3cm² andesite breccia clasts; bedding 50° to c.a.; epidote invades clasts	9.10	10.60	1.50	112309	<0.03	<0.2	3	5	16	61
				10.60	12.10	1.50	112310	<0.03	<0.2	26	8	12	60
				12.10	13.60	1.50	112311	<0.03	<0.2	5	7	66	311
				13.60	15.10	1.50	112312	<0.03	<0.2	17	6	44	211
				15.10	16.60	1.50	112313	<0.03	0.4	24	9	194	500
				16.60	18.10	1.50	112314	<0.03	<0.2	5	6	38	48
18.90	33.68	14.78	ANDESITE TUFF BRECCIA, pyroclastic; andesite clasts partly replaced by epidote; med.pea-green matrix and lt.green clasts; contact 75° 19.13-19.20 2-3% Po within matrix 19.25-19.85 lapilli tuff matrix, white quartz/ rhyolite fragments; bedding 45° 23.85-23.95 2% Po along 45° bedding planes and dissem Py; randomly oriented epidote veinlets throughout	18.10	19.60	1.50	112315	<0.03	<0.2	27	9	28	52
				23.50	25.00	1.50	112316	0.08	0.8	38	8	166	1125

Area: Red Cap (LJ) | Latitude: 42+61N | DDH | Bearing: 0° | Date Started: July 25, 1998
Contractor: Falcon Drilling | Departure: 55+12E | LJ-98-7 | Inclination @ collar: -45° | Date Completed: July 26, 1998
Core Size: BTW | Elevation: 1518 m | Total Depth: 119.78 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology
			31.50-33.68 1-3% Po replaces matrix, invades clasts, locally to 5% over <cm
33.68	34.00	0.32	FAULT ZONE, 75°; brecciated, limonite/goethite-filled shear/fault plane; vuggy quartz veining throughout; v.oxidized; contact 75°
34.00	35.65	1.65	ANDESITE TUFF BRECCIA, andesitic epidotized frags to 2 cm² partly resorbed into med.pea-green chloritic matrix; subtle (75°?) contact 34.00-34.20 2-3% Po>Py along 10° fracture 35.05-35.35 2% Po fracture filling/veinlets
35.65	41.30	5.65	ANDESITE TUFF / lapilli tuff, med.green/grey, epidote altered, intermed.volcanic; 35° contact 35.65-36.90 3-4% Sph in margins of 10-15° qtz veins 2-3 cm wide, + Po ~10% 35.85-37.20 zoned sulphides (35.85-36.65 = Po>Py frac fill to 3-4%) 36.90-37.20 ½% Sph, 2% Po/Py frac filling, tr Po>Py noted throughout unit (rare) as frac filling
41.30	45.30	4.00	ANDESITE TUFF BRECCIA; med.pea-green, chloritized/ epidotized matrix supports rhyolite, andesite, chlorite clasts 0.5-3 cm²; glassy, siliceous matrix, tr Py/Po invades clasts; contact 70° 44.80-45.30 alteration zone, moderately bleached / foliation @ 70-75°
45.30	47.00	1.70	'QUARTZ EYE' QUARTZ FELDSPAR PORPHYRY, chlor matrix, quartz/feldspar phenocrysts, chlorite (biotite/hornblende?) flakes, no visible sulphides; 70° contact
47.00	56.47	9.47	ANDESITE TUFF BRECCIA, lapilli tuff; med.pea-green, silic intermed volcanic tuff / tuff breccia; Po>Py to 2% locally as frac fill / veinlets @ 60-65° to c.a.; bedding 75°; chlorite/epidote-altered; tuff / lapilli tuff > t.breccia 70 : 30; tuff grad.becomes pale green with 10 cm weakly hematitic horizons (10 cm widths) (dacitic?); sharp 65° contact 50.50-50.60 1-2% Po, ½% Py along bedding planes (55-60°); v.silic/altered

From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
31.50	33.00	1.50	112317	<0.03	4.0	68	8	104	287
33.00	34.00	1.00	112318	<0.03	2.0	189	19	56	1281
34.00	35.00	1.00	112319	<0.03	<0.2	51	9	14	194
			repeat	<0.03	<0.2	52	10	18	199
35.00	36.20	1.20	112320	<0.03	<0.2	116	12	16	179
36.20	37.20	1.00	112321	<0.03	1.6	288	16	32	1237
37.20	38.70	1.50	112322	<0.03	<0.2	76	12	22	399
38.70	40.20	1.50	112323	<0.03	<0.2	16	10	20	76
40.20	41.70	1.50	112324	<0.03	<0.2	4	9	12	61
41.70	43.20	1.50	112325	0.03	<0.2	3	8	12	50
47.00	48.50	1.50	112326	0.06	0.4	43	10	40	323
48.50	50.00	1.50	112327	0.03	<0.2	49	14	28	701
50.00	51.50	1.50	112328	<0.03	<0.2	39	9	22	221
			repeat	<0.03	<0.2	42	10	24	233
51.50	53.00	1.50	112329	0.03	<0.2	13	7	18	195

Area: Red Cap (LJ) | Latitude: 42+61N | DDH | Bearing: 0° | Date Started: July 25, 1998
Contractor: Falcon Drilling | Departure: 55+12E | LJ-98-7 | Inclination @ collar: -45° | Date Completed: July 26, 1998
Core Size: BTW | Elevation: 1518 m | Total Depth: 119.78 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
56.47	62.40	5.93	QUARTZ FELDSPAR PORPHYRY, lt.grey/green, f.g. (intrusive) dyke, chloritized, weakly altered, freshens with depth; alteration zone/breccia 56.47-56.75m, no visible sulphides; 25° sharp contact 61.25-62.40 strongly fractured @ 10° to c.a., limonite-coated	61.25	62.40	1.15	112330	0.25	<0.2	18	9	12	41
62.40	66.35	3.95	ANDESITE TUFF, strongly silic, grey/green/'gassy' chloritized alteration zone adjacent ot dyke, no visible sulphides; concave 'up' contact	62.40	63.90	1.50	112331	<0.03	<0.2	10	26	38	378
66.35	83.52	17.17	ANDESITE TUFF BRECCIA, pyroclastic (slump breccia?); med.green, chlor/epidotized intermed white quartz & dk.green/chlor sub-angular 1-3cm² clasts; tr-½% Py cubelets diss; weak fractured @ 5-15° to c.a.; contact 40-45° (?) 67.20-69.47 distinctive <mm² rounded white lapilli in matrix 68.47-68.48 35° Po band 69.47 2mm wide Po band 45° 74.00-74.60 5° quartz-filled fracture; no visible sulphides - tr Po @ 30-40° in frac 75.40-75.60 5° chlor clay-filled frac, bleaching noted in frac intervals 77.00 65° open clay/brecc filled frac 78.90-79.60 longitudinal quartz veinlets, tr Py marginally 82.30-82.70 longitudinal quartz veinlet swarm, tr Py only 82.70-83.52 longitudinal open fracture follows c.a.; mud/clay-fill; no visible sulphides	68.40 81.40	69.90 82.90	1.50 1.50	112332 112333	0.18 0.05	<0.2 1.4	10 4	10 17	36 522	96 257
83.52	86.26	2.74	ANDESITIC FLOW BRECCIA, pyroclastic flow; andesite lapilli tuff, andesite tuff fragments to >10cm; mod.-strongly chloritized, med.green; tr-½% Py dissem and 1% Po bands; contact 20°										
86.26	88.40	2.14	ANDESITE TUFF, lapilli tuff; med.grey/green, intermed volcanic tuffs; bedding 40-45°; white 0.3cm² rounded lapilli throughout; contact 55° 87.78-88.20 thinly bedded 55° andesite tuffs 87.78-88.40 2% Po, 2% Py frac-fill 88.20-88.40 strongly brecc'd, siliceous	87.75	89.25	1.50	112334	<0.03	5.4	126	22	522	796
88.40	91.30	2.90	Banded Siliceous Turbidite Sediments (argillite -										

Area: Red Cap (LJ) | Latitude: 42+61N | DDH | Bearing: 0° | Date Started: July 25, 1998
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Core Size: BTW | Elevation: 1518 m | Total Depth: 119.78 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			argillaceous mudstone); bedding 75°; med.green alterantes with black, v.f.g.seds in mm-thick to cm-thick lamellae; bedding disrupted and offset 1-2 cm by cross-cutting 30-50° hair-like fractures (quartz-filled) on opposing planes; 60° contact 90.30-90.32 1% Po blebs along bedding planes										
91.30	92.85	1.55	TUFF BRECCIA (andesitic) inextricably interbedded with disrupted banded argillaceous mudstone/argillite; very fractured wtih 1% local Po frac-fill; pyroclastic sedi-ment interbeds; concave upwards contact										
92.85	93.48	0.63	Banded Lamellar Argillaceous Mudstone + Argillite; v.thinly bedded 60°; grey/lt.grey; no visible sulphides; 55° contact										
93.48	95.85	2.37	BRECCIATED TUFF BRECCIA (andesitic); fractured Tuff Breccia, mod-strongly chloritized; minor brecc'd banded sediments interbedded; no visible sulphides; undulating 35° contact										
95.85	119.79	23.94	Banded Argillaceous Mudstone / Argillite; lamellar, v.thinly bedded @ 55° to c.a.; minor Po/Py along bedding planes; bedding cross-cut and offset cm-8cm distances by low-angle fractures 99.70- 99.95 chloritic, brecciated; Po veinlets counter to bedding at 0-30° (Po 1%) 105.00-105.50 broken core remainder of hole is rhythmic succession of banded sediments; lamellar black/dk.grey argillite and lt.green argillaceous mudstone; minor Po follows bedding planes; periodic fracturing (uplift) cross-cuts bedding and offsets by cm-scale; sediments are probable Bouma sequence 'D' & 'E' distal turbidite pattern. 102.00-119.79 bedding from 60° at 102m to 50° at EOH 115.60-119.79 increasing argillite beds to 20-30 cm width	98.40	99.90	1.50	112335	<0.03	<0.2	109	12	20	122
				118.29	119.79	1.50	112336	<0.03	<0.2	95	12	26	109
		119.79	Total Depth										

Area: Red Cap (LJ) | Latitude: 44+13N | DDH | Bearing: 005° | Date Started: July 26, 1998
Contractor: Falcon Drilling | Departure: 54+25E | LJ-98-8 | Inclination @ collar: -45° | Date Completed: July 28, 1998
Core Size: BTW | Elevation: 1452 m | Total Depth: 213.97 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
0.00	0.61	0.61	CASING, no recovery										
0.61	25.30	24.69	ANDESITE TUFF BRECCIA, pyroclastic >> andesite lapilli tuff; med.greye/grey epidotized (mod silic) intermed volcanic matrix suports rhyolite > andesite clasts 0.5-3 cm²; consistent 60° bedding / clast long axis orientation; broken, limonitic (50°?) contact										
			0.61- 1.00 broken, strongly frac'd core @ 0°-15° to c.a., goethite/limonite frac coating; no visible sulhides										
			2.40 1% Po frac fill noted in chlor breccia clasts <cm widths	2.60	4.10	1.50	112337	0.07	1.6	34	8	34	388
							repeat	0.07	1.4	33	8	34	379
			3.00- 4.65 strongly frac'd longitudinal -45° to c.a., limonite fill										
			3.60- 3.70 drusy quartz crystal-filled cavities, no visible sulphides										
			5.85- 6.20 goethite-filled 5° fracture plane; tr Py only	5.70	7.20	1.50	112338	<0.03	0.4	40	11	22	189
			9.20- 9.90 goethite-filled 45° fracture plane; no visible sulphides										
			15.45-15.65 2% Po, ½% Cpy in 15° chlor frac fill	14.40	15.90	1.50	112339	<0.03	5.2	455	9	7	205
			15.75 random/rare Py veinlets <<mm										
			15.90-17.10 sets of 50° + longitudinal weak frac's dominate, lim & chlor weakly, ½% dissem Py envelope; internal 45° contact	15.90	17.10	1.20	112340	<0.03	0.8	65	10	12	320
				17.10	18.10	1.00	112341	<0.03	1.4	148	7	20	255
			18.10-18.80 30° milky qtz carrying 15% semi-masive + euhedral mm² crystals Aspy, 5% Py, 2-3% graphite; strongly chloritic 'soft' + frac; bedding 40-45°	18.10	19.10	1.00	112342	0.86	27.8	343	36	578	798
			18.80-25.30 Tuff Breccia, mod-strongly silic	19.10	20.60	1.50	112343	<0.03	0.4	27	8	22	118
			19.60-21.10 20-45° open limonitic frac, ½% Py	20.60	22.10	1.50	112344	<0.03	0.4	50	11	20	163
			21.94-22.40 longitudinal <cm milky quartz vein, 3% Py in vuggy solution cavities to cm²	22.10	23.10	1.00	112345	<0.03	<0.2	38	9	16	122
			22.70-23.50 30° lim frac filled in part with (kaolinite) white clay; tr Py in frac planes only	23.10	24.10	1.00	112346	<0.03	0.6	75	9	22	79
			24.10-24.23 massive sulphides, 50% Po, 10% Sph, 20% Py, 5% graphite in silic qtz-enhanced 50° 'bed' surrounded by 50° Py zonation cm wide	24.10	25.30	1.20	112347	0.25	24.0	1250	15	750	3015
			24.23-25.30 50° quartz veins along bedding										

Area: Red Cap (LJ) | Latitude: 44+13N | DDH | Bearing: 005° | Date Started: July 26, 1998
Contractor: Falcon Drilling | Departure: 54+25E | LJ-98-8 | Inclination @ collar: -45° | Date Completed: July 28, 1998
Core Size: BTW | Elevation: 1452 m | Total Depth: 213.97 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			planes, ½% dissem Py in veining										
25.30	27.00	1.70	ANDESITIC LAPILLI TUFF, med.green/grey, chloritized intermed amtrix supports 1-2 mm² rounded lapilli = white/lt.grey + dk.grey chloritized lapilli frags. 25.50-26.00 10-15° open limonitic/kaolinitized fracture slickensided @ 65° to c.a., no visible sulphides 26.30-26.95 wandering 0-20° limonitic frac, Py filled to 2% over <mm widths; 2 cm wide anastomosing quartz veinlets follow frac	25.30	27.10	1.80	112348	<0.03	2.4	112	5	124	466
27.00	27.43	0.43	FAULT ZONE 27.00-27.10 fault breccia, limonitic, soft fault gouge @ 30° to c.a. 27.10-27.40 30° quartz vein loaded with 15% massive + crystal Aspy, 10% Po, 5% Py, 1% Gn, tr Sph(?)	27.10	28.30	1.20	112349	0.25	27.6	1033	20	1128	1000
27.43	32.61	5.18	ANDESITE LAPILLI TUFF, med.grey/green, chloritic + fractured; 30° contact 27.43-28.30 strongly altered, brecc'd, strongly chlor, 'soft'; 2-3% dissem Py, 1% Po frac fill 28.30-29.20 longitudinally fractured, limonite frac coating; ½% Py fill 29.20-30.00 mod.frac'd longitudinally + 10-15° to c.a., mod.chlor; barren of sulphides 30.00-31.52 highly altered silic/chlor section; bedding 70°; dissem + remobilized semi-massive sulphides, 10% Py, 10-15% Po, 4-5% Aspy, soft and strongly fractured 30.90-31.52 50° bedding followed by 2-4% Po/Py 31.55 3 mm wide Po/Py massive sulphide vein @ 45° 32.00-32.61 1-3cm wide quartz vein follows c.a. down; 5% Py overall, clustered in drusy vugs; core frac'd at low angles to core, mod.chlor	28.30	30.00	1.70	112350	<0.03	3.6	132	9	150	312
				30.00	31.52	1.52	112351	0.08	11.2	498	52	412	314
				31.52	32.61	1.09	112352	<0.03	2.4	115	6	86	384
32.61	33.62	1.01	MASSIVE SULPHIDES, core is 10-15° milky quartz vein; chlor margins; strongly silic; 25-30% Po, 20% Py, 10-15% Sph, 5% graphite, 2-5% Gn, 1% Cpy;	32.61	33.62	1.01	112353	1.54	205.0	1612	83	4254	3.06%

Area: Red Cap (LJ) | Latitude: 44+13N | DDH | Bearing: 005° | Date Started: July 26, 1998
Contractor: Falcon Drilling | Departure: 54+25E | LJ-98-8 | Inclination @ collar: -45° | Date Completed: July 28, 1998
Core Size: BTW | Elevation: 1452 m | Total Depth: 213.97 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			30° contact										
33.62	34.00	0.38	ANDESITE LAPILLI TUFF, brecciated and quartz veined at 25-30° to c.a.; med.pea-green , strongly chloritized; 1-2% Py, tr-½% Aspy along qtz veinlets; 45° contact	33.62	34.62	1.00	112354	<0.03	1.8	161	10	32	287
							repeat	<0.03	1.6	168	10	32	286
34.00	67.00	33.00	QUARTZ FELDSPAR PORPHYRY, weakly chloritized, increasingly lt.grey siliceous to depth; tr Py along c.a. from 34.0-34.6m; kaolinitized frac zones as listed, dendritic Mn along frac's randomly, pervasive carbonization along fracs/veins; 40° contact	34.62	36.00	1.38	112355	<0.03	0.6	18	6	30	44
			38.05-38.40 broken core; kaol coating + carb										
			38.40-39.00 fractured @ 0-10° and 45° to c.a.; 1% Py in frax; dissem pseudo-hexagonal chlorite crystals throughout (38.6 to end of unit)										
			40.35-46.85 strongly fractured; kaol-coated fracs are weakly limonitic; strong carbonate; tr Py cubes to ½%; predominant fracs @ 35-45° to ca	40.35	41.85	1.50	112356	<0.03	0.8	12	6	42	48
				41.85	43.40	1.55	112357	<0.03	0.4	17	5	34	50
			46.94-47.65 cmwide quartz veins, kaol frac zone, + carb; 1-2% Py, tr Po along vein margins, 10° fracs										
			48.50-50.45 as above										
			51.10-51.25 longitudinal kaol frac-fill + carb	51.80	53.30	1.50	112358	<0.03	0.4	10	4	18	120
			54.00-54.05 25° milky quartz vein with 1 cm carbonate crystal margins										
			54.75-55.90 broken core; carb-kaol coating, ½% Py cubelets										
			57.00-59.95 as above	58.20	59.70	1.50	112359	<0.03	0.4	7	4	46	74
			60.40-62.50 strong white kaol/carb fill in pervasive longitudinal to 15° frac										
			63.45-64.95 strongly kaol, frac @ 45° to c.a., tr dissem Py										
			66.30-67.00 bleached alteration zone	66.00	67.00	1.00	112360	<0.03	0.2	22	5	12	113
67.00	69.80	2.80	QUARTZ FELDSPAR PORPHYRY (pipe?), brecciated, silicified, quartz veined; lt.grey/green, highly siliceous; strongly fractured and filled with sulphides; 30° quartz veining; 1-3% Po veining (at 45° + longitudinal), 4-5% Aspy, 1-2% (local) Cpy, 1% Py in most siliceous intersections + dissem sulphides throughout QFP host + sulphides marginal to qtz veins to 3-4%	67.00	68.40	1.40	112361	<0.03	6.6	220	5	148	1290
				68.40	69.80	1.40	112362	0.08	4.6	119	20	155	983
69.80	83.30	13.50	altered QUARTZ FELDSPAR PORPHYRY, weak-mod										

Area: Red Cap (LJ) | Latitude: 44+13N | DDH | Bearing: 005° | Date Started: July 26, 1998
Contractor: Falcon Drilling | Departure: 54+25E | LJ-98-8 | Inclination @ collar: -45° | Date Completed: July 28, 1998
Core Size: BTW | Elevation: 1452 m | Total Depth: 213.97 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			chlor, fracs with limonite coating ± kaolinite; chlor hex crystals to 0.3 cm²; feldspar crystals lt.green; quartz crystals white/lt.grey; low-angle qtz veinlets + hem = common + kaol frax, undulating 85° contact	69.80	71.30	1.50	112363	<0.03	0.2	41	5	48	233
							repeat	<0.03	0.4	38	5	56	240
			80.70-83.30 common 45° milky quartz veins/ veinlets, no visible sulphides	82.30	83.30	1.00	112364	<0.03	1.2	21	6	32	63
83.30	84.00	0.70	ANDESITE TUFF BRECCIA (possible collapse breccia?), dk.grey/green, strongly chlor & silic; brecc'd rock is cross-cut by massive Po veining @ 35° and dissem of shear-related pods Po ~10-15%, 3-5° Cpy marginal to Po, 45° contact	83.30	84.30	1.00	112365	0.19	16.0	164	13	1334	4209
84.00	85.15	1.15	QUARTZ FELDSPAR PORPHYRY, altered intrusive; weakly chlor, cross-cut by <cm Po/Py veinlets at 55-60°; contact 25-30°	84.30	85.80	1.50	112366	<0.03	0.8	27	7	28	112
85.15	86.45	1.30	CHLORITIZED ANDESITE TUFF BRECCIA (possible collapse breccia?), med.-dk.green, chlor, vfg ground-mass (clast-supported) with dk.grey/green + lt.green andesite/rhyolite clasts numerously; high-angle quartz carbonate veining randomly rarely, brecc'd 40° contact	85.80	86.45	0.65	112367	<0.03	1.0	6	6	28	73
86.45	88.30	1.85	ANDESITE TUFF / lapilli tuff; weakly chlor, med.green, v.f.g., frac + rehealed with chlor + minor qtz veinlets; increasingly grey / silic with depth; 50-55° contact, pyritiferous	86.45	87.45	1.00	112368	<0.03	0.8	29	6	24	118
			87.70-88.20 brecc'd, v.silic contact zone	87.45	88.30	0.85	112369	<0.03	0.8	38	6	34	147
88.30	91.10	2.80	SULPHIDE ZONE, semi-massive sulphides throughout; strong epidote/chlorite alteration										
			88.30-89.00 2-3% Cpy, 5-10% Po, 2% Py, both matrix & clast replacement; host = Tuff Breccia (andesite)	88.30	89.70	1.40	112370	0.05	3.6	265	23	246	374
			89.00-91.10 Po >1%, Cpy 4-5%, Py 2-3%; ubiquitous sulphides	89.70	91.10	1.40	112371	0.07	2.6	293	22	44	73
			90.55-90.95 open longitudinal fracture										
91.10	93.00	1.90	ANDESITE TUFF BRECCIA (possible collapse breccia) mod.chloritized, med.green, clast-supported unit with mm-2cm andesite/rhyolite clasts; dissem Py cubelets in trace quantities; undulating 15-20° contact	91.10	92.60	1.50	112372	<0.03	<0.2	11	7	38	70
							repeat	<0.03	<0.2	12	7	38	73
			91.85-92.00 1-2% Po/Py veinlets @ 10-15°	92.60	94.10	1.50	112373	<0.03	<0.2	5	7	24	52
93.00	110.05	17.05	GRANODIORITE, lt.grey, m.g.-v.f.g aphanitic matrix +										

Area: Red Cap (LJ) | Latitude: 44+13N | DDH | Bearing: 005° | Date Started: July 26, 1998
Contractor: Falcon Drilling | Departure: 54+25E | LJ-98-8 | Inclination @ collar: -45° | Date Completed: July 28, 1998
Core Size: BTW | Elevation: 1452 m | Total Depth: 213.97 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			quartz + white rounded feldspar phenocrysts, mafics = ~10-15°; contact 50°										
			94.30- 95.20 low-angle limonitic open frac; no visible sulphides; rock freshens to centre of intrusion; leaching & limonite common adjacent to frac										
			102.40-110.05 granodiorite gradually differentiates, rounded qtz phenocrysts increase, mafic content decreases; clasts of elongate "stretched" andesite rarely, dissem Py to ½%	108.55	110.05	1.50	112374	<0.03	0.4	17	8	70	372
110.05	110.30	0.25	SULPHIDE ZONE, 5% Po, 3-4% Py in epidotized horizon (sulphide conduit?) between intrusives; 50° contact	110.05	111.05	1.00	112375	<0.03	1.2	60	11	64	498
110.30	111.70	1.40	DACITE PORPHYRY, translucent lt.green, v.v.siliceous matrix with <5% rounded lighter green phenocrysts; bleaches adjacent ot frac zones, 68° contact										
			111.25-111.50 meandering <cm wide qtz vein, weakly lim margins, no visible sulph										
111.70	125.00	13.30	(andesite tuff / lapilli tuff) + minor Tuff Breccia SULPHIDE ZONE, strongly graphitic in sulphide-rich zones; strong epidote alteration throughout; green colored rock										
			111.70-113.20 1% Po dissem + within 30° veins/ veinlets , brecc'd section kaolinte fill; weakly graphitic	111.05	112.05	1.00	112376	<0.03	0.6	13	6	92	120
				112.05	113.23	1.18	112377	<0.03	0.8	32	9	46	397
			112.90-113.23 10° qtz-carb vein, 1 cm wide; weakly graphitic										
			113.23-113.30 >5% Po semi-massive; strongly graphitic	113.23	114.30	1.07	112378	0.03	2.6	236	37	22	303
			113.30-116.00 >10% massive to semi-massive Po; local >25% Po, ~5% Py; strong epidote alt'n; strongly graphitic	114.30	116.00	1.70	112379	0.04	4.8	232	28	222	558
			116.00-116.50 5% Po, 3-4% Py semi-massive; strongly graphitic	116.00	117.50	1.50	112380	<0.03	0.8	56	15	46	479
			116.50-118.55 graphitic										
			118.55-118.80 Tuff Breccia, clasts replaced in part by Po, >5% Po, 1-2% Py in matrix; bedding 50°; mod-strongly graphitic	117.50	118.80	1.30	112381	<0.03	1.0	42	12	260	428
				118.80	119.80	1.00	112382	<0.03	1.0	78	16	154	1540
			118.80-120.94 lapilli tuff, 2-3% Po, 1% Py, ½% Sph as veins/veinlets variably to >5% locally; mod-strongly graph	119.80	120.94	1.14	112383	<0.03	1.0	77	19	64	437

Area: Red Cap (LJ) | Latitude: 44+13N | DDH | Bearing: 005° | Date Started: July 26, 1998
Contractor: Falcon Drilling | Departure: 54+25E | LJ-98-8 | Inclination @ collar: -45° | Date Completed: July 28, 1998
Core Size: BTW | Elevation: 1452 m | Total Depth: 213.97 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			120.94-121.60 >5% (10%?) semi-massive Po, 2-3% Py locally to >20%, tr-½% Sph; mod-strongly graphitic	120.94	121.60	0.66	112384	0.25	9.2	210	34	284	1.29%
			121.60-122.20 >50% Po, 5-10% Py massive, assoc'd with qtz-carb flooding; brecc'd; mod-strongly graphitic	121.60	122.70	1.10	112385	0.04	7.0	384	45	756	6124
			122.20-122.70 5-10% Po dissem, mod-strongly graphitic										
			122.50-125.00 ½-1% Py, ½% Py, petering out; incr silic; mod-strongly graphitic										
			122.70-125.50 1-5% Po veining, 1-2% Py; mod-strongly graphitic	122.70	124.20	1.50	112386	<0.03	0.6	134	17	24	422
				124.20	125.20	1.00	112387	<0.03	0.4	37	12	30	375
125.00	129.30	4.30	epidote altered ANDESITE TUFF / TUFF BRECCIA, occas thin Po veinlets, strong micro-fractures, carbonatized weakly (veinlets at low core angles; pea-green color; incr brecc'n with depth to contact; gradual contact "subjective"	125.20	126.70	1.50	112388	<0.03	<0.2	19	11	18	291
				126.70	128.20	1.50	112389	<0.03	<0.2	11	9	14	147
			125.00-126.00 tr-½% Po, dissem				repeat	<0.03	<0.2	10	9	16	161
			129.10-129.20 goethite-filled 25° frac	128.20	129.30	1.10	112390	<0.03	<0.2	16	7	14	164
129.30	129.90	0.60	SULPHIDE ZONE, strongly graphitic, resembles calc-silicate(?), mod.carbonatized, strong epidote; bedding 45°; 5-10% Po, 2-3% Py, semi-masive, tr-½% Sph (secondary); brecciated (tuff breccia? collapse breccia?); contact 45°	129.30	130.70	1.40	112391	<0.03	0.4	108	16	24	833
129.90	130.70	0.80	ANDESITE TUFF, pea-green, strongly silic/epidotized; 1-2% Po along bedding planes (45°), tr-½% Py dissem, quartz veined (3 mm) @ 45° to c.a.; 25° contact										
130.70	132.20	1.50	SULPHIDE ZONE, strongly graphitic/epidotized; 10-15% semi-massive Po, 5-7% Py, tr-½% Sph (secondary); longtiudinal massive Py veining @ 0-5° to c.a.; bedding 45°; brecc' (tuff breccia? collapse breccia?); contact 55°	130.70	132.20	1.50	112392	0.17	5.4	621	56	64	5035
132.20	136.20	4.00	ANDESITE TUFF BRECCIA (collapse breccia?) / lapilli tuff; angular 1-5 cm feldspar porphyry clasts in lapilli tuff matrix; carbonate/kaolinite frac fill increasing porportional to depth; 30° contact	132.20	133.70	1.50	112393	<0.03	<0.2	5	7	8	78
				133.70	135.20	1.50	112394	<0.03	<0.2	2	7	10	50
				135.20	136.20	1.00	112395	<0.03	<0.2	4	8	8	63
			136.00-136.20 strongly brecc'd contact zone										
136.20	139.85	3.65	SULPHIDE ZONE, strongly graphitic/epidotized; tuff breccia (collapse breccia?) with 30 cm unfractured	136.20	137.70	1.50	112396	0.08	4.6	240	21	202	612
				137.70	138.70	1.00	112397	0.07	6.0	175	19	454	2075

Area: Red Cap (LJ) | Latitude: 44+13N | DDH | Bearing: 005° | Date Started: July 26, 1998
Contractor: Falcon Drilling | Departure: 54+25E | LJ-98-8 | Inclination @ collar: -45° | Date Completed: July 28, 1998
Core Size: BTW | Elevation: 1452 m | Total Depth: 213.97 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			sections; 15-20% Po, 3-5% Py (locally to >10%), ½% Sph (secondary); Po = semi-massive, replaces epidotized clasts (1-3 cm²); gradual contact	138.70	139.85	1.15	112398	<0.03	0.6	78	23	26	260
							repeat	<0.03	0.8	74	22	24	251
139.85	152.00	12.15	ANDESITE TUFF / TUFF BRECCIA, weak graphite, strong epidote; v.silic; pea-greeen intermed volcanic tuff; Tuff ~70%, T.Breccia ~30%; 1-3% Po, ½-1% Py as veinlets + cm² blebs along bedding; tr-½-% Sph (secondary) marginally, tr-½% local Aspy spicules, local concentrations of Po >5% over cm widths, graphite 'wisps out' to local ½-1% by 150m	139.85	141.00	1.15	112399	<0.03	0.4	12	11	24	265
				141.00	142.50	1.50	112400	<0.03	1.0	24	11	138	143
				142.50	144.00	1.50	112401	<0.03	0.4	88	16	34	78
				144.00	145.50	1.50	112402	<0.03	1.2	112	19	186	154
				145.50	147.00	1.50	112403	0.08	4.6	105	21	736	454
				147.00	148.50	1.50	112404	0.11	0.1	108	20	80	196
				148.50	150.00	1.50	112405	<0.03	4.0	225	23	506	544
				150.00	151.00	1.00	112406	<0.03	1.6	127	20	82	120
				151.00	152.00	1.00	112407	0.05	5.2	216	20	794	897
							repeat	0.06	4.8	190	180	708	822
152.00	158.60	6.60	ANDESITE TUFF / TUFF BRECCIA, med.grey/green, weakly fractured, silic; 1-3% Po, ½-1% Py	152.00	153.50	1.50	112408	0.05	2.2	142	14	280	145
			154.20-157.00 incr siliceous, sulphides 'podding up'	153.50	155.00	1.50	112409	0.13	2.4	118	15	250	236
				155.00	156.50	1.50	112410	0.14	6.4	67	16	1278	883
			157.00-158.30 1-3% Po, ½-1% Py - % declines	156.50	157.50	1.00	112411	<0.03	0.4	14	8	26	82
			158.30-158.60 tr-½% local Po in silic med.grey andesite tuff / lapilli tuff	157.50	158.60	1.10	112412	<0.03	0.2	12	8	38	283
158.60	176.00	17.40	ANDESITE TUFF / Lapilli Tuff & Tuff Breccia horizons; intermediate package; several cycles of intermediate volcanics; v.silic (dacitic?); variable bedding intercepts (30-40° to c.a.); chloritic rather than epidote alt'n reigns; <1% dissem Po/Py, Py as <mm² cubelets, Po along fracs & dissem; kaolinitized 'lost' contact										
			Note: rock increasinging 'dacitic'/silic in tuff sections; tuff breccia sections are silic, lt.grey, with numerous 50-60° qtz veinlets, tr-½% Py marginally	158.60	160.00	1.40	112413	<0.03	<0.2	12	10	26	175
				160.00	161.50	1.50	112414	<0.03	<0.2	14	10	18	92
				161.50	163.00	1.50	112415	<0.03	<0.2	21	12	16	164
				163.00	164.50	1.50	112416	<0.03	<0.2	14	11	20	112
				164.50	166.00	1.50	112417	<0.03	<0.2	19	12	14	185
				166.00	167.50	1.50	112418	<0.03	<0.2	13	11	84	187
				167.50	169.00	1.50	112419	<0.03	<0.2	11	12	38	107
				169.00	170.50	1.50	112420	<0.03	<0.2	24	12	38	241
			162.00-162.30 ½-1% dissem Po >> Py, randomly sited Py micro-veinlets rarely	172.50	174.00	1.50	112421	<0.03	<0.2	26	16	30	98
			164.60-164.80 30-35° qtz veinlet, Po/Py clast replacement	174.00	175.50	1.50	112422	<0.03	<0.2	38	13	44	130
			170.10-170.70 longitudinal open fracture, Po/Py clusters on frac surfaces	175.50	177.00	1.50	112423	<0.03	0.6	22	12	94	191
			175.20-175.50 Py marginal to 60° qtz veinlets;										
176.00	203.50	27.50	ANDESITE TUFF BRECCIA, minor tuff/lapilli tuff inter-sections, med.green/grey, weakly chloritized with distinct 10 cm epidote concentrations; fracture/shear zones invariably kaolinite-enhanced, dissem Py in fractures; Po/Py veinlets randomly; bedding 40-45° to c.a.; brecia clasts <cm to cobbles (rare) >10 cm,	177.00	178.50	1.50	112424	<0.03	<0.2	6	10	22	159
							repeat	<0.03	<0.2	6	10	28	165

Area: Red Cap (LJ) | Latitude: 44+13N | DDH | Bearing: 005° | Date Started: July 26, 1998
Contractor: Falcon Drilling | Departure: 54+25E | LJ-98-8 | Inclination @ collar: -45° | Date Completed: July 28, 1998
Core Size: BTW | Elevation: 1452 m | Total Depth: 213.97 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			rounded; qtz-carb veining mm to 5-10 cm widths in strong fractures with marginal Py>Po, Py as cubelets <<mm²	181.50	183.00	1.50	112425	<0.03	0.4	7	10	90	590
			186.70-187.15 strongly kaolinitized, slickensides @ 50°, 1% Py dissem + carbonate (reacts with HCl)										
			187.15-189.40 numerous 25-35° qtz veinlets (cm-10 cm), enhanced Po (2%), Py 3-4% cubelets; chloritized (serpentinized? adjacent to qtz veinlets)	185.70	187.20	1.50	112426	0.13	1.0	46	34	62	738
				187.20	188.70	1.50	112427	<0.03	6.6	65	22	578	878
			189.90 end fracturing / bleaching / kaolinite	188.70	190.20	1.50	112428	0.03	3.0	91	13	328	856
			189.90-195.00 weak epidote alternation, 30-60° Po,Py veinlets randomly	190.20	191.70	1.50	112429	<0.03	0.6	112	15	64	635
				191.70	193.20	1.50	112430	<0.03	0.8	129	18	42	580
			195.00-203.5 gradual increase in quartz-diorite clasts	193.20	194.70	1.50	112431	<0.03	<0.2	45	25	26	620
203.50	211.30	7.80	ANDESITE TUFF BRECCIA (collapse breccia?); weak-mod epidote green/grey tuff matrix, clast-supported breccia; dyking throughout; 70% quartz-diorite clasts sub-rounded to angular; white felted masses of mm² (albite?); tr Py/Po only										
			205.66-205.75 aplite dyke; epidote segregations/ enhancement = localized over 10-20 cm widths										
211.30	213.97	2.67	90% DIORITIC INTRUSIVE BRECCIA, felted mass of (albite?) in dk.grey/green aphanitic matrix; epidotized; andesite clasts / cobbles throughout ~10%; tr Po only, v. dissem										
		213.97	Total Depth										

Area: Red Cap (LJ)
Contractor: Falcon Drilling
Core Size: BTW

Latitude: 54+10E
Departure: 44+90N
Elevation: 1542 m

DDH LJ-98-9

Bearing: 130°
Inclination @ collar: -45°
Total Depth: 116.74 m

Date Started: July 28, 1998
Date Completed: July 29, 1998
Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
0.00	1.52		CASING - full recovery ?? <see below>										
0.00	32.40	32.40	TUFF BRECCIA, pyroclastic andesite; clast-supported andesitic breccia (collapse breccia?); 40° contact										
			0.00- 0.30 broken core; strongly silicified; clasts predominantly (90%) felsic rhyolitic quartz feldspar porphyry; phenocrysts <<mm² rounded quartz 'eyes, weakly potassically altered (pink coloration varies widely), may be hematite alteration; matrix chloritized, med. pea-green; localized sulphides Py>>Gal concentrated within strongly chloritized fractures at high angles to c.a.										
			0.00- 1.00 Py micro-veinlets randomly at 45°-60° to c.a.	0.00	1.50	1.50	112432	<0.03	11.8	191	10	2754	1583
			0.20- 0.22 40° Py with Gal laminae/cubes in fracture plane; 55-60° Py micro-veinlets randomly / rarely; geothite-coated fracture planes common (50° fractures commonly)	1.50	3.00	1.50	112433	<0.03	1.4	39	6	320	590
							repeat	<0.03	1.2	39	6	310	589
			2.95 mm wide Py vein wtih smears & layers of Gn, possible dissem Sph in fracture plane ~65°, Py common in qtz veinlets semi-massive over 2cm zone	3.00	4.50	1.50	112434	<0.03	5.6	89	7	662	1808
				4.50	6.00	1.50	112435	<0.03	0.4	35	6	64	171
				6.00	7.50	1.50	112436	<0.03	1.8	73	6	262	700
				7.50	9.00	1.50	112437	<0.03	3.6	199	7	306	1085
				9.00	10.50	1.50	112438	<0.03	0.2	43	7	24	150
				10.50	12.00	1.50	112439	<0.03	<0.2	50	6	18	119
				12.00	13.50	1.50	112440	<0.03	2.2	102	6	208	351
							repeat	<0.03	2.4	100	7	212	362
							re-split	<0.03	1.8	102	7	196	323
				13.50	15.00	1.50	112441	<0.03	0.4	40	6	34	153
				15.00	16.50	1.50	112442	<0.03	0.6	35	6	70	255
				16.50	18.00	1.50	112443	<0.03	<0.2	53	5	18	152
			18.15 50° Py veinlets, iron carbonate margins over 2 cm zone	18.00	19.50	1.50	112444	<0.03	1.8	106	7	106	833
			22.40-26.45 set of 55-65° mm-2mm wide quartz veinlets @ 5-10 cm spacings	29.90	31.40	1.50	112445	<0.03	0.2	47	6	50	211
32.40	34.95	2.55	SILICIFICATION ZONE, brecciated andesitic tuff breccia (collapse breccia?); graphitic zone (<1%) variable;										

Area: Red Cap (LJ) | Latitude: 54+10E | DDH | Bearing: 130° | Date Started: July 28, 1998
Contractor: Falcon Drilling | Departure: 44+90N | LJ-98-9 | Inclination @ collar: -45° | Date Completed: July 29, 1998
Core Size: BTW | Elevation: 1542 m | Total Depth: 116.74 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			lt.grey, v.silic (conduit?); 45-50° clast orientation; over-printed by 45-50° chlor fractures; 1-3% Py + hematite veinlets in matrix, sulphidized; tr Cpy clustered marginal to Py veinlets; contact 35-40°	31.40	32.90	1.50	112446	0.05	13.8	245	10	782	5976
				32.90	33.90	1.00	112447	0.05	6.6	238	12	260	1039
			33.25-33.70 massive Aspy, euhedral perfect crystals, v.silic + (massive Py over 5 cm) @ 40° to c.a., shear fill										
			33.70-34.20 dissem >10% Aspy fine crystals oxidized, & chloritic 40° shear; local massive Py over cm width penetrate as veining @ 40-45°; zone is mod-strongly carbonatized	33.90	34.90	1.00	112448	0.48	13.4	319	47	490	329
			34.65 3 cm wide carbonate vein 53°										
34.95	39.60	4.65	ANDESITE TUFF BRECCIA, pyroclastic; clast-supported breccia with andesitic/chloritic matrix; silic, med.green (feldspar porphyry clasts); crossed by randomly sited 40-45° Po/Py veining to cm widths; Py veinlets sand-wiched by iron carbonate layers, mm-<cm widths	34.90	36.40	1.50	112449	0.04	1.4	70	6	98	279
							repeat	0.04	1.4	73	5	90	278
				36.40	37.90	1.50	112450	<0.03	5.2	165	6	308	2058
				37.90	39.08	1.18	112451	0.11	15.4	631	10	640	3615
39.60	39.08	(0.52)	FAULT ZONE, 40°, kaolinitized and carbonatized, soft fault gouge defines fault axis; weakly graphitic										
39.08	58.92	19.84	pyroclastic TUFF BRECCIA, clast-supported, quartz feldspar porphyry clasts with andesitic matrix, locally strontly fractured (as detailed); contact 45°	39.08	40.60	1.52	112452	0.12	6.4	254	6	166	1081
			41.00 3 cm wide Py/Po, hem frac fill @ 40° to c.a.; semi-massive Cpy fill over cm width	40.60	42.10	1.50	112453	<0.03	7.2	321	13	212	2073
			41.30-41.36 Po-bearing carbonate vein @ 40°										
			41.50-41.64 brecciated fracture, weakly graphitic, 2% Cpy, 2% Py, 1-2% iron carbonate										
			41.74 45° hem/Py 2 cm wide veining										
			42.00-42.45 hem/Py veining, 2-3% dissem Aspy crystals	42.10	43.60	1.50	112454	0.07	5.0	421	10	108	586
			42.60 45-50° Py vein, cm wide										
			43.10-43.25 fracture zone, 3-4% Py along 45° quartz veining	43.60	45.10	1.50	112455	<0.03	0.6	56	6	46	281
			45.70-46.33 3-4% Py/hem veining @ 25-30°	45.10	46.60	1.50	112456	<0.03	7.2	223	8	290	5169
			46.50-46.75 5% Py/hem @ 35° veining + 1% graphitic; chloritic (serpentinized?)	46.60	48.10	1.50	112457	<0.03	5.4	157	7	252	2123
			48.10-48.90 1-3% Py + hem veining @ 45-55° + 2 cm wide qtz veinlets	48.10	49.60	1.50	112458	<0.03	3.4	208	8	146	1457
							repeat	<0.03	3.4	200	8	138	1326
			48.90-50.15 dissem Py only	49.60	50.60	1.00	112459	0.03	5.0	326	12	240	1726

Area: Red Cap (LJ) | Latitude: 54+10E | DDH | Bearing: 130° | Date Started: July 28, 1998
Contractor: Falcon Drilling | Departure: 44+90N | LJ-98-9 | Inclination @ collar: -45° | Date Completed: July 29, 1998
Core Size: BTW | Elevation: 1542 m | Total Depth: 116.74 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			50.15-50.50 Po/Py 3-4% veinlets/frac fill @ 80° note: poss. Sph within hem sections										
			50.50-51.85 dissem ½-1% Py	50.60	51.85	1.25	112460	<0.03	3.0	274	9	122	1091
			51.85-52.15 fine Aspy dissem ~5%, 2-3% Po>Py, chloritic, chaotically fractured; dissem Po/Py + 0.5cm veinlets irregular + rare @ 65°	51.85	53.35	1.50	112461	<0.03	5.4	146	10	194	1446
			54.22-54.30 milky 32° quartz vein	53.35	54.90	1.55	112462	<0.03	3.2	99	7	174	1126
			54.90 hem, Py veining @ 35-40°										
			55.33 tr-½% Cpy, 2-3% Py in 35° frac-fill veinlets										
			55.75-55.85 25° quartz vein, 3-5% Py/hem fill, dissem Aspy	54.90	56.40	1.50	112463	<0.03	3.2	189	6	112	944
			55.85-58.20 Py/Po veinlets/veins @ 45°, <1% overall	56.40	57.90	1.50	112464	<0.03	3.6	215	7	172	865
			58.20-58.21 40° Py/hem vein, 10cm dissem Aspy/Py surrounding vein	57.90	58.92	1.02	112465	<0.03	6.8	195	8	326	1413
			58.21-58.70 broken core, longitudinal-15° frac, limonite coated										
58.92	59.20	0.28	MASSIVE SULPHIDES, 40% Po, 5-10% Cpy, 40% Aspy, qtz, 5% Py; 45° horizon; 45° contact	58.92	59.92	1.00	112466	1.52	66.8	6970	38	754	1187
59.20	78.85	19.65	TUFF BRECCIA, pyroclastic rhyolite, siliceous, lt.grey to white / kaolinitized, strongly quartz veined; 1% Cpy, 3-4% Po, 1-2% Py frac-fill + veinlets, Aspy dissem throughout + locally massive (as marked) within quartz-veined frac system; Aspy crystals associated with + within semi-massive Po veining / quartz veining; qtz veins @ 20-55° to c.a.; highly altered rock	59.92	61.40	1.48	112467	<0.03	3.6	257	10	84	219
			61.40-62.00 strongly kaolinitized shear/fault @ 15-20°; chloritized with massive Aspy 61.7-61.8m + ½% graphite, bounded by semi-massive Py cm width	61.40	62.55	1.15	112468	0.08	10.0	358	35	190	445
			62.00-62.55 40-70° sets of cm wide quartz veins (stockwork?); dissem Aspy/ Py/graphite marginally 2-3%	62.55	63.60	1.05	112469	0.12	11.0	272	10	258	5759
			63.60-63.75 25° massive Aspy shear fill, Py ~3%	63.60	65.10	1.50	112470	0.20	14.6	416	24	396	1288
			64.20-64.45 35° massive Aspy shear fill, Py ~5%										
			64.80-65.85 massive Aspy over 5-10 cm widths, 5-10% Py, graphite throughout, extensive 35° quartz veining	65.10	66.35	1.25	112471	0.19	15.6	430	23	408	1543
			65.85-66.35 Py veining @ high angles to core, dissem Aspy to 5% locally,										

Area: Red Cap (LJ) | Latitude: 54+10E | DDH | Bearing: 130° | Date Started: July 28, 1998
Contractor: Falcon Drilling | Departure: 44+90N | LJ-98-9 | Inclination @ collar: -45° | Date Completed: July 29, 1998
Core Size: BTW | Elevation: 1542 m | Total Depth: 116.74 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			strongly chloritic Rock becoming more siliceous, 'rhyolitic' in nature; strong fracturing pervasive										
			66.35-66.96 fractures (faulted?), v.f.g. Aspy flooded and cross-cut (later) by cm-wide Py veining @ 35°; shear/ faulting @ 25° to c.a.	66.35	67.50	1.15	112472	0.29	10.0	401	21	446	1212
			66.60-66.95 broken core, kaolinitized, Py cubelets precipitated on frac surfaces										
			66.96-76.95 <cm 25° Aspy/Py horizons (3-5% sulphides), numerous high-angle milky qtz veins/veinlets, dissem Py ubiquitous to 2-3%	67.50	69.00	1.50	112473	<0.03	1.8	103	6	102	593
				69.00	70.00	1.00	112474	<0.03	3.4	268	12	66	458
				70.00	71.00	1.00	112475	<0.03	2.6	232	9	56	253
							repeat	<0.03	2.6	228	9	66	279
							re-split	<0.03	2.4	226	8	64	272
			72.90-73.00 quartz-carbonate-(barite?) (crystal) vein @ 50° to c.a., vuggy solution cavities	71.00	72.25	1.25	112476	0.05	2.4	110	8	106	789
				72.25	73.60	1.35	112477	0.06	7.2	240	9	384	691
			73.15 semi-massive 2cm Po/Aspy/Py/Gf veining @ 30° to c.a.										
			73.60 semi-massive 2cm Po/Aspy/Py/Gf veining @ 30° to c.a.; Py cubelets throughout wallrock >2%	73.60	75.10	1.50	112478	<0.03	7.4	193	7	380	1946
				75.10	76.60	1.50	112479	<0.03	6.0	542	10	106	459
				76.60	77.60	1.00	112480	0.11	27.8	1142	17	996	2545
			76.95-77.35 massive Po/Aspy/Py @ 20-25° horizon >90%	77.60	78.60	1.00	112481	0.07	4.8	227	8	270	2751
				78.60	79.85	1.25	112482	0.08	8.4	188	7	428	896
78.85	79.85	1.00	GRAPHITIC ZONE, 1-2% Py dissem, Py/Po veinlets at high angles, dissem tr-½% Aspy, Gf crystals randomly; quartz-veined contact @ 75° to c.a.										
79.85	83.00	3.15	ANDESITE TUFF BRECCIA, pyroclastic; med.grey, chloritized (med.green), clast-supported andesitic matrix, clasts = quartz feldspar porphyry > andesite; dissem sulphides in matrix, ½% Aspy locally; Po/Py veining at high angles irregularly in quartz veins; kaolinite on fracture planes weakly; local semi-massive Po/Py qtz-vein-associated; broken sheared 35-40° contact, slickensided	79.85	81.50	1.65	112483	<0.03	3.4	143	6	506	1242
			81.95-82.00 graphite crystals to mm² within 60° qtz veining	81.50	83.00	1.50	112484	<0.03	4.4	169	16	656	847
							repeat	0.03	4.6	173	15	684	892
83.00	84.80	1.80	RHYOLITE TUFF BRECCIA, fault breccia zone, silic; kaolinite + qtz veins/chlorite throughout weak local graphite; semi-massive Aspy/Py veining at low angles;										
			83.00-83.85 broken core	83.00	83.90	0.90	112485	1.28	41.0	799	32	4064	5633
			83.25 5 cm wide f.g. Aspy (massive) + dissem 5% Py @ 10°; strong										

Area: Red Cap (LJ) | Latitude: 54+10E | DDH | Bearing: 130° | Date Started: July 28, 1998
Contractor: Falcon Drilling | Departure: 44+90N | LJ-98-9 | Inclination @ collar: -45° | Date Completed: July 29, 1998
Core Size: BTW | Elevation: 1542 m | Total Depth: 116.74 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			kaolinite frac coating 83.85-84.80 25-30° shearing, dissem 3-5% Aspy concentrated in 25° 10cm wide fracture @ 84.45-84.55m; 2-3% Py cubelets clustered on frac surfaces 84.80 35° contact, 3-4% dissem Py, ½% Aspy	83.90	84.80	0.90	112486	0.61	20.4	696	25	840	500
84.80	90.25	5.45	RHYOLITE TUFF BRECCIA (collapse breccia/); v.silic with mod-strongly chloritized matrix, clasts indistinct/ silic quartz overgrowths throughout; Py 1-3%, Aspy tr-½%; strongly fractured, Py stringer zone; weak-mod kaolinite on frac planes, 0-10° fractures; lt.grey/white/ green colored; 45° contact	84.80	86.30	1.50	112487	<0.03	2.0	90	4	126	936
				86.30	87.80	1.50	112488	0.03	1.8	76	4	174	977
				87.80	89.30	1.50	112489	<0.03	0.6	48	4	64	611
90.25	90.40	0.15	quartz-eye QUARTZ FELDSPAR PORPHYRY DYKE; tr Py dissem, rounded <0.5cm² feldspar + quartz phenocrysts in med.grey aphanitic silic matrix; 85° contact	89.30	90.40	1.10	112490	0.04	5.0	165	12	342	1959
90.40	99.70	9.30	ANDESITE TUFF BRECCIA, pyroclastic; clasts of qtz feldspar porphyry, matrix is chlor, med.-dk.green; weak-mod.kaolinitized , strongly in fractures; tr-½% dissem Py throughout, limonite coating on fractures; cm-wide high-angle Po>Py semi-massive veinlets randomly associated with milky quartz veins/veinlets; 25-30° contact	90.40	91.90	1.50	112491	<0.03	2.6	151	5	422	1013
				91.90	93.40	1.50	112492	0.12	9.6	659	10	340	2261
			93.90-96.60 set of 50-55° milky quartz veins/ veinlets at 5-10 cm spacing; 3-4% Po/Py veinlets dissem throughout wallrocks	93.40	94.90	1.50	112493	0.06	10.8	476	7	450	1485
							repeat	0.07	10.4	456	7	448	1458
				94.90	96.40	1.50	112494	0.03	7.4	240	12	418	5100
			rock becoming less broken with depth (away from 90.25-99.40m breccia); tr-½% Py only to 98.40m	96.40	97.40	1.00	112495	<0.03	7.8	247	10	318	1572
				97.40	98.40	1.00	112496	<0.03	4.8	108	7	398	1325
			98.40-99.70 local 5-10% Py veins/veinlets @ 40-45° to c.a., in strongly chlor / sheared zone, much broken core; slickensides ~45° to c.a.	98.40	99.70	1.30	112497	0.08	4.0	250	24	258	909
99.70	110.15	10.45	ANDESITE TUFF BRECCIA (possible collapse breccia?); 'matrix-supported', med.green/grey chlor/silic matrix supports 1-7 cm angular to sub-rounded clasts of andesite and quartz feldspar porphyry, altered; rock cross-cut by 45-60° Py veins/veinlets with local semi-massive specular hematite (Py dissem + Hem	99.70	101.20	1.50	112498	<0.03	2.2	121	6	150	2046

Area: Red Cap (LJ) | Latitude: 54+10E | DDH | Bearing: 130° | Date Started: July 28, 1998
Contractor: Falcon Drilling | Departure: 44+90N | LJ-98-9 | Inclination @ collar: -45° | Date Completed: July 29, 1998
Core Size: BTW | Elevation: 1542 m | Total Depth: 116.74 m | Logged By: R. I. Nichol

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Cu ppm	Co ppm	Pb ppm	Zn ppm
			along 35-60° horizons/fractures); Py ~2%; silicified	101.20	102.70	1.50	112499	<0.03	4.2	138	6	348	1932
			20-30 cm sections, lt.grey; Po semi-massive >10%	102.70	103.95	1.25	112500	0.04	6.4	192	6	448	1418
			over 5 cm veins/shears; 50° sharp contact										
			103.95-104.65 3% finely dissem Aspy underlain by 5 cm-wide semi-massive >10% 50-60° vuggy Po/quartz veining	103.95	105.30	1.35	112501	0.26	7.4	292	36	212	330
			105.30-106.70 35° quartz vein, semi-massive >20% Po, dissem 2% Aspy marginal to Po, 3% Py	105.30	106.70	1.40	112502	0.21	23.6	916	26	610	1227
							repeat	--	22.6	856	24	562	1153
			106.30 3 cm wide 60° Po vein, 1% Cpy internally										
			106.50-106.60 >10% Po, >15% Py, tr Cpy as 50° vein, and quartz veining	106.70	107.70	1.00	112503	0.12	18.2	303	6	862	8851
			106.70-107.35 epidote alteration, 5% Po, 2% Aspy, 4-5% Py, tr Cpy; 30° qtz vein/ fol; 40-50° milky quartz vein to end of unit, dissem sulphides, 1% Py/Po, tr Aspy dissem	107.70	109.00	1.30	112504	0.04	2.8	93	11	180	1076
			110.00-110.15 semi-massive >20% Po, (tr Cpy?), 5-10% Py concentrated at contact zone @ 50° to c.a.	109.00	110.15	1.15	112505	<0.03	1.0	58	5	142	423
110.15	113.69	3.54	QUARTZ FELDSPAR PORPHYRY, rounded lt.grey/white mm-3mm² feldspar and quartz eyes in med.green/grey aphanitic silic matrix; intrusive unit has dissem Py to <½% as subhedral to euhedral Py crystals; weakly fractured longitudinally	110.15	111.65	1.50	112506	<0.03	0.6	34	6	24	194
							repeat	<0.03	0.6	34	6	26	195
							re-split	<0.03	0.4	38	5	22	216
			110.30-110.65 faulted, fractured, broken core, limonite coated	111.65	112.65	1.00	112507	<0.03	<0.2	5	5	12	26
				112.65	113.69	1.04	112508	<0.03	<0.2	7	6	58	101
		113.69	Total Depth										

Area: Red Cap - RV
Contractor: Falcon Drilling
Core Size: BTW

Latitude: 44+65N
Departure: 50+05E
Elevation: 1698 m

DDH RV-98-10

Bearing: -010°
Inclination @ collar: -60°
Total Depth: 61.57 m

Date Started: August 19, 1998
Date Completed: August 19, 1998
Logged By: M. Fay

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Pb %	Zn %	Co %	Cu %
0.00	1.52	1.52	CASING, no recovery										
1.52	5.50	3.98	ANDESITE LAPILLI TUFF, rhyolite + andesite clasts, epditozied; matrix - chlorite clasts <2 cm diameter, dominantly angular; tr Py; fractures 40-50° to c.a.; broken contact 40° 1.52-4.05 broken core										
5.50	7.00	1.50	ANDESITE TUFF, chloritized; weakly limonitic; fractures 40° to c.a.; 15° contact										
7.00	9.98	2.98	ANDESITE LAPILLI TUFF, clasts angular; highly epi-dotized; andesite; and chert or rhyolite with <40% Po; matrix chloritized; fractures 40° to c.a.; 80° sharp contact 9.10-9.45 broken core; rusty fractures										
9.98	13.67	3.69	ANDESITE FLOW BRECCIA ± lapilli horizons at 10.91-11.92m and 12.10-12.40m; clasts of massive Po, quartz with calcite in matrix of epidote chlorite quartz; 5-10% Po, 1% Sph, Po along foliation; remaining sections of lapilli tuff with discernible clasts altered with epidote/Po/calcite in chloritized/quartz matrix; roll structures @ 12.10-12.40m, tr-1% Gn as well; intersections of lapilli tuff widen downhole; foliation undulating @ 60° to c.a.; contact 90°	9.98	10.82	0.84	244051	1.41	1.4	<0.01	0.12	0.011	0.01
				10.82	12.40	1.58	244052	4.50	10.3	0.01	0.31	0.007	0.03
				12.40	13.68	1.28	244053	0.12	1.0	<0.01	0.08	0.001	0.01
13.67	14.40	0.73	ANDESITE TUFF ± lapilli; trace py,Po; 1% epidote with chlorite; fractures 45° to c.a. filled with calcite, tr-1% Py,Po <2m wide; faulted contact 28° to c.a.; 60° fault - reverse offset	13.68	14.40	0.72	244054	0.12	1.0	<0.01	0.04	0.001	<0.01
14.40	16.11	1.71	ANDESITE FLOW BRECCIA with minor lapilli tuff (semi-massive sulphides); foliation low angles to c.a.; contact 80° weak 14.40-14.55 possible barite - pink mineral with black flecks (bituminous) - surrounded with calcite 14.93-16.11 epidote / quartz / calcite / chlorite; 4% Sph, 1% Py, tr-1% Cpy, iron carbonate	14.40	16.10	1.70	244055	4.26	18.9	0.01	2.77	0.026	0.04
16.11	18.06	1.95	RHYOLITE FLOW BRECCIA (semi-massive sulphides); 4% Sph, 1% Py, tr Gal, tr Cpy, iron carbonate; epidote	16.10	17.60	1.50	244056	33.21	122.5	0.14	7.37	0.010	0.10
				17.60	18.03	0.43	244057	1.11	28.4	0.05	5.12	0.006	0.02

Area: Red Cap - RV
Contractor: Falcon Drilling
Core Size: BTW

Latitude: 44+65N
Departure: 50+05E
Elevation: 1698 m

DDH RV-98-10

Bearing: -010°
Inclination @ collar: -60°
Total Depth: 61.57 m

Date Started: August 19, 1998
Date Completed: August 19, 1998
Logged By: M. Fay

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Pb %	Zn %	Co %	Cu %
			alteration, calcite present as visible subhedral crystals; mineralization preferential to foliation (bedding?); foliation @ 65° weakly undulating; contact 70°										
18.06	18.48	0.42	DACITE FLOW BRECCIA, highly chloritized black rock, clasts angular, highly overprinted; 5% Po, tr-1% Py; two fracture sets 45° and 70°; broken contact 80°	18.03	18.48	0.45	244058	2.31	11.9	0.02	1.28	0.004	0.02
18.48	20.05	1.57	ANDESITE FLOW BRECCIA, clast replacement with Sph,Po in matrix of quartz, calcite, epidote & chlorite; milky green rock with dk.green intersections (chlorite-rich), 1% Sph, 1% Po, large (<8cm) lobate epidote rimmed, rounded clast, rich in calcite & sulphides; foliation locally @ high angle to c.a.; contact 55°	18.48	20.05	1.57	244059	10.32	39.5	0.06	2.24	0.004	0.03
20.05	25.68	5.63	highly altered ANDESITE FLOW BRECCIA ± lapilli; chlorite, epidote, minor calcite, ± graphite; large lobate epidote clasts (<15 cm) as above but sharp, with wide epidote zonation; flow structure; <3% Po, tr-1% Py, tr-1% Aspy, tr-1% Gn; bedding undulating 50-70°, contact sharp 42° 21.45-21.70 4% Sph, 1-2% Po; calcite-filled fractures 50° to c.a.	20.05	21.55	1.50	244060	7.59	38.9	0.09	2.10	0.021	0.03
				21.55	23.05	1.50	244061	0.72	5.9	0.01	0.29	0.003	0.01
				23.05	24.55	1.50	244062	1.38	4.6	0.01	0.14	0.018	0.01
				24.55	25.68	1.13	244063	3.30	16.9	0.09	0.36	0.037	<0.01
25.68	31.98	6.30	ANDESITE FLOW BRECCIA. lower contact 75° 26.68-28.95 epidotized with minor chlorite in zoned bands, 2% Po, tr Cpy, tr Py 28.95-31.98 minor epidote in siliceous matrix with calcite; clarge chert clasts (10 cm), tr sulphides, 50° calcite-filled fractures	25.68	26.28	0.60	244066	0.06	1.8	0.01	0.04	--	<0.01
				26.28	27.78	1.50	244064	4.02	40.6	0.17	0.53	0.148	0.01
				27.78	28.95	1.17	244065	0.15	13.3	0.11	0.31	0.007	0.01
				28.95	30.45	1.50	244067	<0.03	0.7	0.02	0.06	--	<0.01
31.98	41.32	9.34	ANDESITE BRECCIA > RHYOLITE BRECCIA, silicified, calcite-rich matrix, with tr chlorite and epidote; chert, andesite sub-rounded - rounded clasts; tr sulphides; calcite-filled fractures 53°; local rusty fractures; bedding 65°; contact 80°										
41.32	42.07	0.75	ANDESITE LAPILLI TUFF / FLOW; chert roll structures with weak alteration rims (<5 cm diameter); 1% Po, tr Sph associated with clasts, silicified; broken contact										
42.07	61.57	19.50	CHERT > SILICEOUS ARGILLITE; progressive gradation over ~20 m from pale green bedded exhalative										

Area: Red Cap - RV
Contractor: Falcon Drilling
Core Size: BTW

Latitude: 44+65N
Departure: 50+05E
Elevation: 1698 m

DDH RV-98-10

Bearing: -010°
Inclination @ collar: -60°
Total Depth: 61.57 m

Date Started: August 19, 1998
Date Completed: August 19, 1998
Logged By: M. Fay

From m	To m	interval m	Lithology	From m	To m	width m	Tag No.	Assays Au g/T	Ag g/T	Pb %	Zn %	Co %	Cu %
			sediments into black fine-grained argillite; alternating sequences; tr Po; weakly chloritized; bedding conformable 60° to c.a.; calcite-filled fractures 60° - opposite to bedding										
		61.57	Total Depth										