094027
V.1

BARRAMUNDI GOLD • LTD

Summary of Geological Field Work - 1999
Prospecting, Geochemical, Geophysical, Trenching, and Drilling Report

TECHNICAL REPORT – VOLUME 1

for the
Longline Project

Including the following Quartz Claims:
Bam 22-30; Bear 1-18; Ben 1-4; Den 1-3; Fox 1-4; Frog 1-19; Git 1-2, 5-6; Lin 1-10; Mar 1-2; Pia 1-6; Pud 1-2; Rag 1-8; Ran 1-8; Red 1-8; Reef 1-23; Say 1-3; Scot 1-91, 96-111; See 1-6; Swede 1-398; Uri 1-22; Well 1-10; Wind 1-46, 51-114; Wine 1-8, Womp 1-29; Won 1-8

Moosehorn Range, Yukon Territory

Whitehorse Mining District
NTS 115N/02
Lat.63^0 04'
Long.140^0 59'

094 027

by

Sandy Sears, David Ritcey, Paul Conroy
Barramundi Gold Ltd.

for

Whitehorse Mining Recorder
February 2000

RECEIVED
FEB 15 2000
MINING
RECORDERS OFFICE
WHITEHORSE, Y.T.

YUKON ENERGY, MINES
& RESOURCES LIBRARY
P.O. BOX 2703
WHITEHORSE, YUKON Y1A 2C6

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of $ ~~14,500.00~~ 115,000.00.

M. Burke

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

Table of Contents

Table of Contents i
List of Figures ii
List of Tables ii
List of Plates ii
List of Appendices iii

1 INTRODUCTION 1
2 LOCATION AND ACCESS 3
3 PHYSIOGRAPHY 3
4 CLAIM STATUS 4
5 PREVIOUS WORK SUMMARY 5
6 GEOLOGY 8
7 PROSPECTING AND REGIONAL SOIL AND STREAM SEDIMENT SAMPLING 9
7.1 Introduction and Methodology 9
7.2 Results 10
8 GRID EXTENSION SOIL SAMPLING 13
8.1 Introduction and Methodology 13
8.2 Grid Extension Soil Results 14
9 GRADIENT ARRAY INDUCED POLARIZATION SURVEY 15
9.1 Introduction and Survey Parameters 15
9.2 Results and Interpretation 15
10 TRENCHING AND DELINEATION DRILLING 16
10.1 Introduction 16
10.2 Trenching and Surface Sampling 39
10.3 Delineation Diamond Drilling in "Swede's Pit" 41
11 EXPLORATION DIAMOND DRILLING 50
11.1 Introduction 50
11.2 Results 51
11.3 Discussion 63
12 SUMMARY OF EXPLORATION EXPENSES 66
13 CONCLUSIONS AND RECOMMENDATIONS 68
13.1 Swede's Pit and Swamp Creek Veins Area 68
13.2 Follow-up of Grid-Based Geochemical and Geophysical Anomalies 68
13.3 Regional Exploration 69
14 CERTIFICATES OF QUALIFICATIONS 71
15 PERSONNEL AND CONTRACTORS 74

List of Figures

Figure 1: Property and Claim Location Map 2
Figure 2: Longline Property Geology and Grid Location Map 6
Figure 3-24: Various Real Section profiles 17-38
Figure 25: Swede's Pit drill holes and trench locations 40
Figure 26-32: Various drill hole section across Swede's Pit..... 43-49
Figure 33-40: Drill hole profiles from regional drilling ..... various pages from 53-64

List of Tables

Table 1: Longline project claim status (100% Barramundi)..... 4
Table 2: Longline project claim status (Moosehorn Option)..... 5
Table 3: 1999 Grid prospecting rock sample highlights..... 12
Table 4: 1999 Regional prospecting rock sample highlights.....12
Table 5: Swede's Pit delineation drilling summary 41
Table 6: Drill collar information for exploration drill holes.....51
Table 7: Significant gold assays from the exploration drilling program.....52
Table 8: Summary table of 1999 exploration expenses.....66

List of Plates

(Attached as separate volume)

Plate 1: Longline property geology
Plate 2: Regional soil sample locations
Plate 3: Stream sediment and rock sample locations and analyses
Plate 4: Regional Au in soils
Plate 5: Regional As in soils (Sb and Bi detail inset)
Plate 6: Grid extension soil sample locations
Plate 7: Grid extension Au in soils
Plate 8: Grid extension As in soils
Plate 9: IP chargeability and resistivity plan maps

List of Appendices

Appendix 1: UTM coordinates for soil samples
Appendix 2: Regional soil analyses
Appendix 3: Regional stream sediment analyses

Appendix 4: Follow-up soil sample analyses
Appendix 5: Regional rock sample analyses
Appendix 6: Grid extension soil sample analyses
Appendix 7: Quantec logistical report
Appendix 8: Trench sample descriptions
Appendix 9: Swede's Pit drill logs
Appendix 10: Swede's Pit drilling and trenching sample analytical results
Appendix 11: Exploration drilling samples analytical results

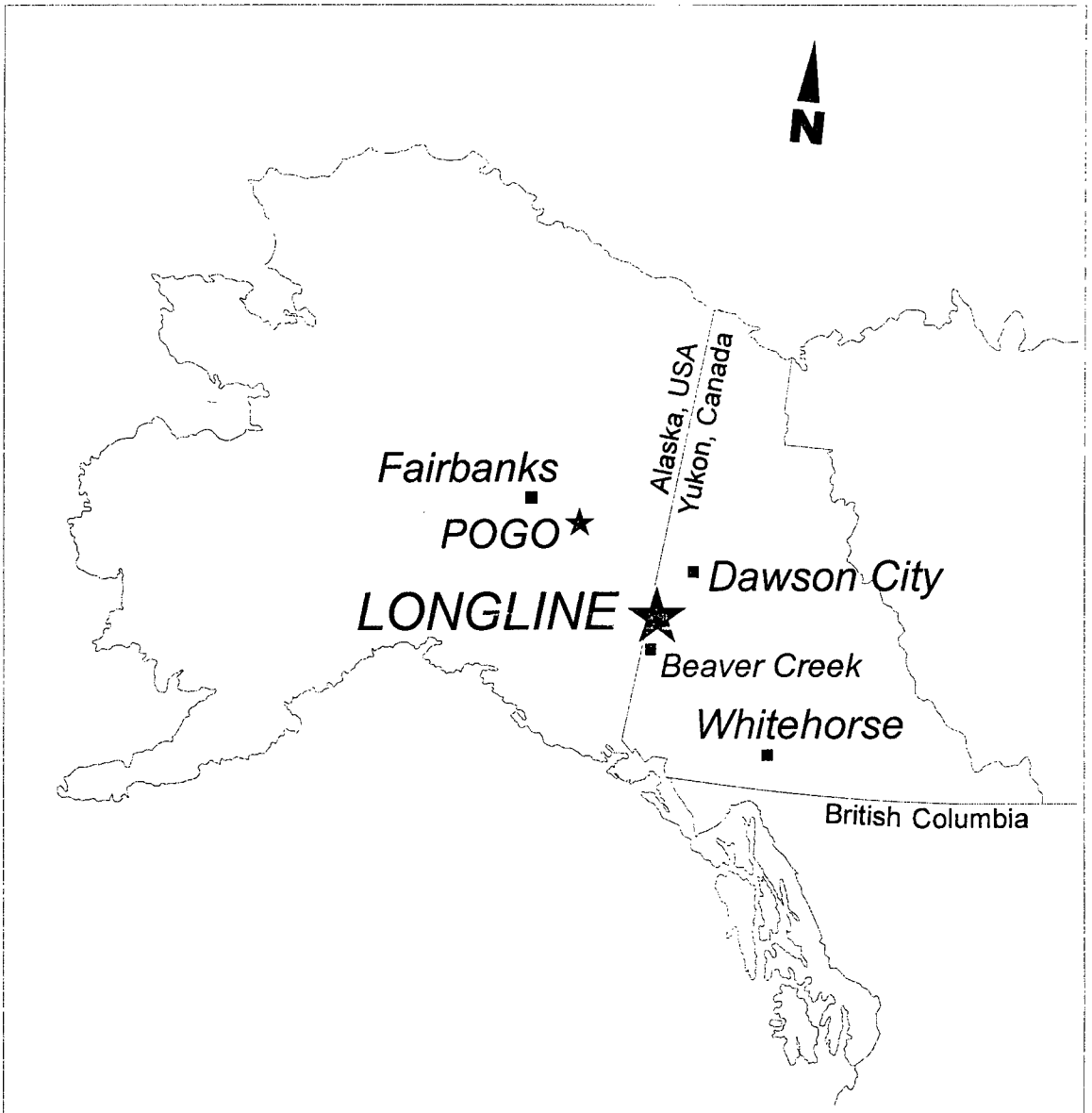
1 INTRODUCTION

The Longline Project is located in west-central Yukon along the Yukon-Alaska border, approximately 140 km SSW of Dawson City (**Figure 1**). The claim group consists of 941 quartz claims: 898 owned 100% by Barramundi Gold Ltd. ("Barramundi") and 43 held under option from the Moosehorn Exploration Program Limited Partnership ("Moosehorn"). The area is accessible year round by fixed-wing aircraft or helicopter and during the winter months (February and March) via either one or two winter roads.

High-grade gold in quartz veins was initially discovered in the Moosehorn Range in the early 1970's. Since then, on the west side of the range, extensive placer and limited bedrock production has taken place. It is conservatively estimated that 1736 kg (54,000 ozs) of gold has been extracted from streams west of the Moosehorn Range (Kenyon, Swamp, and Soya creeks). A highly successful placer mine continues on the east side of the Range, operated by the Moosehorn Exploration Program Limited Partnership. Portions of the current claim block have been held under quartz claims since the early 1980's, and the streams are all staked under placer claims.

From 1996 to 1999, Barramundi Gold Ltd. has carried out programs of prospecting, geological mapping, trenching, rock sampling, soil sampling, airborne and ground geophysical surveys, and diamond drilling. Much of the detailed work has been concentrated in the central property area, near the known vein occurrences.
This report summarizes the work performed during the 1999 field season. Work included:

- Establishment of a cut-line grid and grid extension centred about a system of mineralized quartz veins in the central part of the property;
- Implementation of a detailed Gradient IP survey over the grid area, including depth profiling;
- Detailed soil sampling within the grid extension area;
- Diamond drilling to test the down-dip continuity, grade and thickness of V2 in the "Swede's Pit" area. V2 is a high grade vein that outcrops on surface and forms the dip-slope on the western side of a portion of Swamp Creek.
- Bedrock trenching and systematic sampling of major vein occurrences in the Swamp Creek area, i.e. V1, V2, V3, and SC-1 veins;
- Claim post tagging and coincident soil sampling on a 800m X 100m basis covering most of the property outside of the grid area;



5 km

BARRAMUNDI GOLD LTD

Longline Project
General Location Map

Figure 1	Scale as shown

- Reconnaissance-scale prospecting and stream sediment sampling over widespread parts of the property.
- Initial exploratory diamond drilling on geochemical and geophysical targets generated by the grid-based surveys.

2 LOCATION AND ACCESS

The Longline Property is situated within the westernmost central Yukon along the Alaska border, approximately 80 km north of Beaver Creek and 140 km SSW of Dawson City. The area is accessible using fixed-wing aircraft (there is a 500m long gravel airstrip on the property), helicopter, or via a Canadian winter road which must be constructed on an-every-other-year basis originating from the Alaska Highway, approximately 1.5 km before the Yukon-Alaska border. An alternate route originates from the Alaska Highway on the Alaska side, roughly 25 km inside the border. The Canadian winter road is 66km in length from the highway to the Longline camp, whereas the US route is 43 km. Both roads are typically opened in early February and closed in late March, but the dates could be changed depending upon winter conditions. Government permits to construct and travel on either winter road are required.

On the property there is a network of hard-packed gravel roads and tracks, allowing access to central portion of the property using 4-wheel drive trucks or all terrain vehicles (ATV's). The northern, eastern, and southern extremes of the property are less accessible, but may be reached on foot, or more favourably by helicopter.

3 PHYSIOGRAPHY

The Longline Property is characterized by rolling hills bounded to the NE by the Moosehorn Range, a prominent NNW-SSE trending ridge. Elevation ranges from 1353m on the top of the Range, to 600m in the creek valleys in the southern portion of the property. Creeks flowing from the Range typically are roughly V-shaped below their headwaters, grading quickly into more gentle slopes before broadening out into flat, swampy areas. Above approximately 1200m the vegetation is predominately 1-2m high buckbrush and occasional stunted spruce trees. Felsenmeer is ubiquitous above this elevation.

In contrast, below 1200m the area is variably forested, with spruce trees generally dominant on west and north facing slopes, mixed with white birch and aspen, which are

dominant on east and south facing slopes. Willow and alder are abundant along the creek valleys.

4 CLAIM STATUS

The Longline Property consists of a total of 941 quartz claims (full claims and fractions) covering about 175 km^2 (**Figure 2**). Eight hundred ninety eight (898) claims are owned by Barramundi and have been acquired by staking or by completion of option agreements (**Table 1**). Forty-three (43) claims are owned by and optioned from the Moosehorn Exploration Program Limited (**Table 2**).

Table 1: Longline project claim status (100% Barramundi)

Claim	Numbers	Grant #	Current Expiry
BAM	22-30	YC08967-975	02-Sept-99
BEAR	1-18	YC08976-993	02-Sept-99
BEN	1-2	YB46914-915	1-Feb-01
	3-4	YB54403-404	1-Feb-01
DEN	1-3	YB54405-407	31-Dec-01
FOX	1-4	YB36935-938	09-Sep-99
FROG	1-19	YC 15316-334	05-Jul-00
GIT	1-2	YA77840-481	31-Dec-03
	5-6	YA77844-845	31-Dec-03
LIN	1-10	YB54408-417	01-Feb-01
PUD	1-2	YB8074-075	31-Dec-00
RAG	1-8	YA95122-129	31-Dec-03
RAN	1-4	YB06123-126	31-Dec-03
RAN	5-8	YC18046-049	27-Jul-00
RED	1-8	YA95130-137	31-Dec-03
SAY	1-3	YB38169-171	01-Feb-03
SCOT	1-91	YB54544-634	01-Feb-01
	96-111	YB54639-654	01-Feb-01
SEE	1-6	YB38076-081	31-Dec-99
SWEDE	1-78	YC14158-235	06-Apr-00
	79-94	YC14236-251	26-Mar-00
	95-230	YC14252-387	06-Apr-00
	231-248	YC14388-405	25-Mar-00
	249-398	YC14406-555	06-Apr-00
URI	13-22	YC18027-036	27-Jul-00
WELL	1-6	YB12664-669	31-Dec-03
	7-10	YC18050-053	27-Jul-00

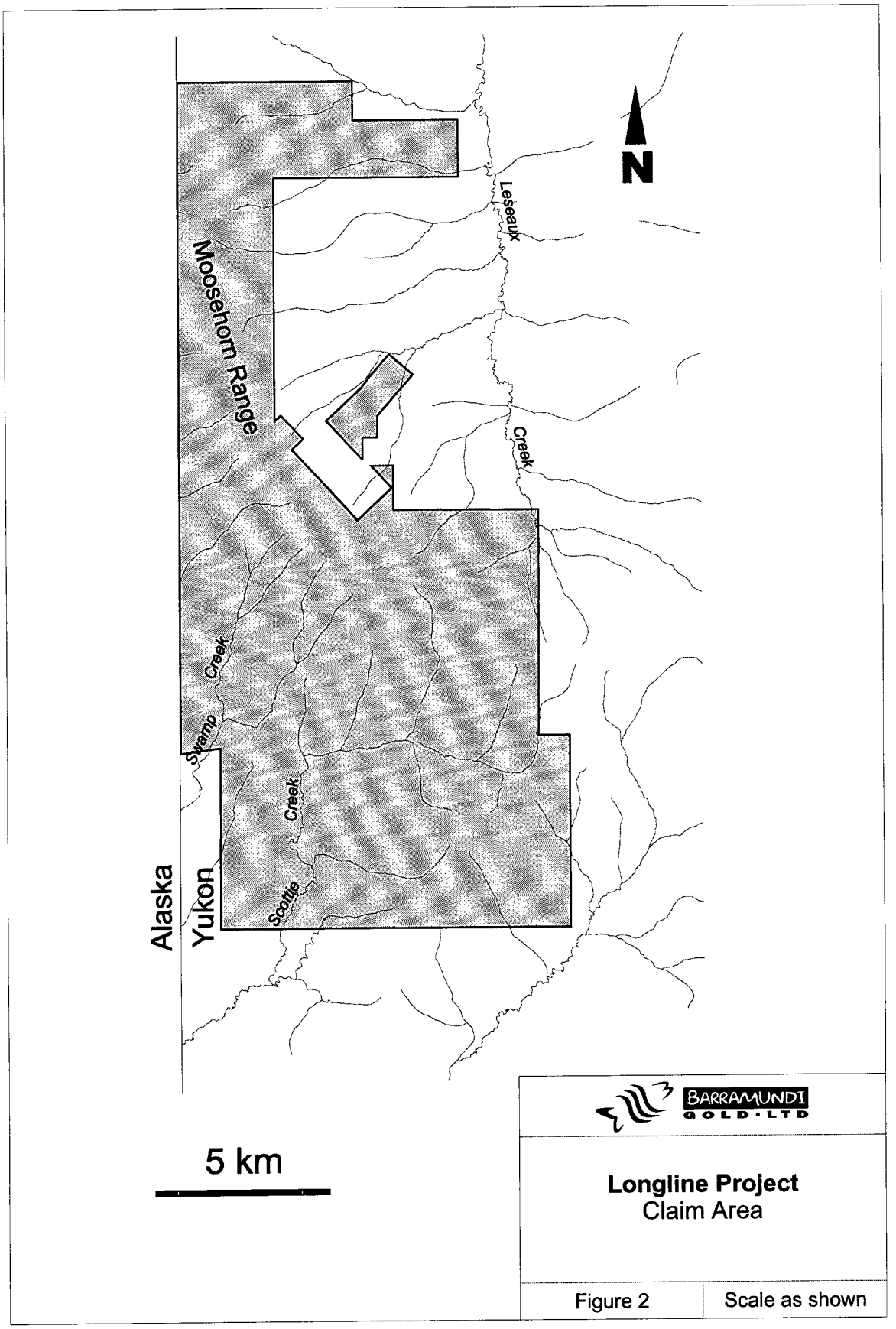
Claim	Numbers	Grant #	Current Expiry
WIND	1-6	YB27350-355	31-Dec-04
	7-22	YB27356-371	31-Dec-03
	23-46	YC08994-9017	02-Sept-99
	51-114	YC09018-081	02-Sept-99
	115 –184	YC18206-275	18-Nov-00
	199-240	YC18276-317	19-Nov-00
WINE	1-8	YB12670-677	7-Dec-03
WOMP	1-20	YB38198-217	31-Dec-99
	21-29	YC18037-045	27-Jul-99
WON	1-7	YB12678-684	31-Dec-03
	8	YB38172	31-Dec-99

Table 2: Longline project claim status (Moosehorn Option)

Claim	Numbers	Grant #	Expiry Date
MAR	1-2	YB54519-520	24-Dec-00
PIA	1-6	YB54513-518	24-Dec-00
REEF	1-4	YA78081-084	24-Dec-00
	5-10	YA82517-522	24-Dec-00
	11-15	YA97444-448	24-Dec-00
	16-20	YB08092-096	24-Dec-00
	21	YB55284	24-Dec-00
	22-23	YC09106-107	6-Oct-99
URI	1-12	YC09094-105	6-Oct-99

5 PREVIOUS WORK SUMMARY

Gold exploration began in the Moosehorn Range area in 1970 with work by Quintana Minerals Ltd. ("Quintana") after the discovery of high-grade gold hosted in quartz veins. Quintana's program consisted of prospecting and geochemical sampling. In 1972, after the original claims lapsed, A. Harman and R.S. Adamson restaked the area worked by Quintana, and hand trenched portions of the high-grade veins at the top of the Range. Great Bear Mining Ltd. and Claymore Resources Ltd. acquired these claims in 1974 and carried out separate programs of prospecting, mapping, soil sampling, VLF-EM surveying, bulldozer and hand trenching, and diamond drilling (Great Bear – 19 holes, 625m; Claymore – 18 holes, 696m). The Great Bear and Claymore operations identified multiple, discontinuous veins with variable gold grades.



BARRAMUNDI GOLD LTD

Longline Project
Claim Area

Figure 2	Scale as shown

Some dramatic examples of visible gold were collected, and some samples returned spectacular assay values, but drilling results were generally disappointing in terms of vein thickness and grade. While prospecting Kenyon Creek ("Discovery Creek" in older reports), a rich pay streak of placer gold was discovered. Claymore ceased bedrock exploration and began placer mining.

The V1 quartz vein was discovered during placer testing on Swamp Creek in 1975. In the early 1980's, G. Hartley staked several of the bedrock gold occurrences on the current Longline claims, including V1 and the GIT vein. From that time, until the initiation of the option agreements with Barramundi in 1996, he carried out geological mapping, airtrac drilling, prospecting, and soil sampling programs. Over the same time period, Ian Warrick staked claims over some of the original vein discoveries near the top of the Moosehorn Range and in the headwaters of Kenyon Creek, where several gold-bearing veins were discovered during placer mining. Bulk sampling and pilot mill processing of these occurrences confirmed rich gold grades (commonly above 80 g/t) over very narrow vein widths.

During the late 1980's, Canada Tungsten Mining Corp. placer mined portions of Swamp and Soya Creeks extracting over 13,000 oz of gold. In 1990, Sikanni Oilfield Construction Ltd. ("Sikanni") began placer mining on portions of Swamp, Soya, and Kenyon Creeks. Sikanni eventually began a small-scale bedrock mining operation, excavating parts of V1 and V2. Approximately 4500 tonnes of vein material were processed, yielding 3225 oz gold for a recovered grade of 22 g/t. Mining ceased in the late summer of 1996.

Geological mapping, trenching, rock sampling, and soil sampling were carried out by Barramundi in 1996 as well as a high-resolution aeromagnetic survey totalling 839 line km. The resulting aeromagnetics showed that V1, V2, and V3 occur at the intersection of a major N-S trending magnetic low and a northeast trending magnetic low. Several areas with anomalous gold in soils were shown to occur along the prominent N-S magnetic low.

Fieldwork in the 1998 season included the establishment of a 1.5 km x 3.0 km soil sampling grid centred on the system of mineralized quartz veins in Swamp Creek. Geophysical ground surveys (induced polarization, horizontal loop electromagnetic, and ground magnetometer, all totalling 16.5km) were conducted over part of the grid. Also in 1998, there was bedrock trenching and subsequent vein sampling. The IP survey

indicated several chargeability highs, which are interpreted to represent zones of sulphide mineralization. The soil geochemistry program outlined a large gold-arsenic anomaly, outside of the area of known gold mineralization. Toward the end of the field season, four diamond drill holes totalling 214.02m verified the down-dip extension of the high-grade V2 vein.

During 1999, Barramundi undertook several programs of line-cutting, prospecting, mapping, soil geochemistry, stream sediment sampling, IP surveying, and diamond drilling. Prospecting, soil sampling, and stream sampling covered most parts of the property outside the central area of more detailed work. Grid soil sampling was extended east of the Au-As anomaly outlined by the 1998 soil geochemistry survey, and a 51 km gradient IP survey, with additional infill work, was completed over the entire cut-line grid area. In the central property area, exposures of the V1, V2, V3, and SC1 veins were systematically mapped and sampled, and diamond drilling totalling 553 m in 22 holes was completed in order to define the extent, grade, and thickness of the V2 vein.

Interpretation of the grid soil data and IP survey results generated exploration drill targets that were partially tested by a preliminary program of 12 holes totalling 2100 metres.

6 GEOLOGY

The Longline Property is underlain by variably weathered massive to locally foliated biotite-hornblende granodiorite (**Plate 1**). This generally uniform lithological unit contains Fe-rich metasedimentary and/or igneous inclusions and is intruded by smaller granitoid bodies that underlie the Moosehorn Range proper. These diverse granitoid units include hornblende porphyritic diorite, equigranular granodiorite, porphyritic granodiorite, and quartz monzonite. Collectively, these units are interpreted to form a composite intrusion of uncertain outline, extending generally along the NNW – SSE axis of the Moosehorn Range, as indicated by its relatively high aeromagnetic signature.
In the central property area, the coarse-grained granodiorite is locally intruded by a variety of dykes ranging in composition from diorite to granodiorite to rhyolite. In several areas, porphyritic granodiorite and rhyolite dykes are cut by major gold-bearing veins.

Andesitic to mafic dykes are noted over a wide area of the Longline property, and cut all other units, including quartz veins. These fine-grained dykes may be correlative with porphritic intrusive and volcanic (-clastic) units that are exposed on the most south-

easterly part of the property and may constitute the youngest known rocks in the Longline area.

7 PROSPECTING AND REGIONAL SOIL AND STREAM SEDIMENT SAMPLING

7.1 Introduction and Methodology

Along widely spaced traverses (principally claim location lines) on the BAM, BEAR, URI, LIN, WIND, and SWEDE claims, 974 soil samples were collected giving reconnaissance-scale coverage over most outlying areas of the Longline property (**Plate 2**). Claim line sample location stations were positioned using hipchain distances with GPS co-ordinates taken at each set of claim posts. In a follow-up phase of sampling on a portion of the WIND claims, 109 additional samples were taken at 100m spacing on chain and compass lines 200 m apart. Measured or calculated UTM co-ordinates are listed in **Appendix 1**.

A total of 55 stream sediment samples were collected from streams of sufficient size in the peripheral areas (primarily BEAR, WIND and SWEDE claims) of the property, i.e stream not affected by previous and on-going placer mining (**Plate 3**). About 1 kg of fine silt was collected by hand over a distance of 10 to 40 metres in the streambed at each sample site.
During the course of prospecting and sampling 25 rock samples were collected. Rock sample locations are also plotted on **Plate 3**.

Northern Analytical Laboratory (NAL) in Whitehorse was used for Au and Ag analyses regarding the regional soil and stream sediment samples (**Appendices 2 and 3**). The samples were dried and sieved to -80 mesh (180 micron), of which 30g was then prepared and analysed. The Au detection limit was 5 ppb and Ag was 1 ppm. The sample was first fire-assayed and the resultant bead was then analysed using atomic absorption spectrophotometry (AAS) or gravimetric analysis. A second sub-sample of -80 mesh material was analysed for a suite of 30 elements by ICP-optical emission spectrometry following a multi-acid digestion. International Plasma Laboratories (IPL) performed the multi-element analyses (**see Appendices 2 and 3**) in Vancouver under contract to NAL.

Chemex Labs in North Vancouver analysed 109 follow-up soil samples for Au, Ag, As, Cu, Mo, Pb, Sb, Zn, and Bi (**Appendix 4**). The soils were dried and sieved to -80 mesh (180 micron). A 30g split of the 180 micron material is then taken and fire assayed, with the resulting bead digested in acid and analysed for Au. An additional split is taken and

the remaining elements are digested in a multi-acid bath and then analysed by ICP-MS techniques.

Regional rock samples, analysed at NAL, were individually crushed to size and a 200g split was pulverized and analysed for gold, silver, and a 30-element ICP trace element packages with methods identical to that used for soils and stream sediments. Analytical results are available in **Appendix 5**.

7.2 Results

Soils Samples

There are three areas which warrant follow-up work, based on the regional soil sampling program. The areas include: the northern WIND claims, the northeastern SWEDE claims and the southeastern SWEDE claims.

By far, the most significant result of regional soil sampling in 1999 is the discovery of a large, As ± Au anomaly on the northern WIND claims (**Plates 4 and 5**). This anomalous zone encompasses at least 10 km^2 and is open to expansion with further sampling. The majority of the As values are >100 ppm with several values >250 ppm. Au values are less spectacular in both their aerial extent and density of anomalous results. Maximum values for each are 802 ppm As and **180 ppb Au**. There is no outcrop in the area of the anomaly and much of the ground is covered with permafrost.

A partial program of follow-up sampling late in 1999 confirmed the initial results, and also indicated anomalous Bi and Sb values in this area. The area of strongly anomalous As in soils extends toward the mapped northern limit of the Moosehorn granodiorite where it is in intrusive contact with older gneissic rocks. The anomaly is also open to the east and west.

The second area of interest is within the southeastern SWEDE claims. Anomalous As values in this area are between 20-50 ppm with numerous values > 50ppm. Anomalous Au values are less common, however there are several values between 10-20 ppb, with one value between 20-30 ppb. This area is different from the rest of the property in that there is a significant amount of volcanic and tuffaceous rocks present at or near surface.

A third area where a number of anomalous soil As ± Au values occur is in the northeastern Swede claims, on the eastern portion of the Longline property. Within a

background of <20 ppm, several As values fall between 20-50 ppm with numerous values ranging from 50-250 ppm. Corresponding anomalous Au values are less dense, with 7 values assaying between 20-50 ppb.

Stream Sediments Samples

Fifty-five (55) stream sediment samples were collected from several different drainages across the property (**Plate 3**). Overall, background Au is estimated to be 5-8 ppb and background As is approximately 10 ppm.

Two areas with anomalous As and Au are present. One area occurs on the western part of the property, with elevated As and Au values found in creek flowing westward, draining the western slope of the Moosehorn Range. Elevated values are recorded in 5 creeks over approximately 2km. This 2 km stretch of anomalous As and Au values occur at the southern end of the large 10 km^2 As ± Au soil anomaly. Au values range from 11-168 ppb with As between 67-325 ppm.

A second area is the very south-eastern portion of the property (south-eastern Swede claims). Values here reach 56 ppb Au and 39 ppm As (from different samples). This area also has a corresponding soil geochemical As ± Au anomaly. As noted above, this area is distinct from the rest of the property in that there is a significant amount of volcanic and tuffaceous rocks present at or near surface.

Rock Samples

Brief descriptions and data highlights from rock samples are presented in **Table 3** and sample locations are plotted on **Plate 3**. Prospecting and reconnaissance samples include bedrock and float quartz veins (21 samples), altered granodiorite (3 samples), quartz and feldspar pegmatite (2 samples) and leucogranite/aplite (1 sample).

Three types of hydrothermally altered and/or mineralized granitic rocks were sampled: silicified and veined rusty granodiorite (403899), green phyllic altered granodiorite from the vicinity of the "M" vein near the top of the Moosehorn Range (403900), and fine grained leucocratic granite with disseminated molybdenite (403954).

Table 3: 1999 Grid prospecting rock sample highlights

Sample #	Grid		Notes	Au	Ag	Pb	Zn	As
	East	North		g/t	g/t	ppm	ppm	ppm
403966	560	680	Quartz Vein float in Swamp Creek	0.16	3.7	1333	25	835
403967	700	815	Quartz Vein float in Swamp Creek	20.27	150.7	22000	177	3346
403968	850	970	Quartz Vein float in Swamp Creek	1.45	123.2	17435	8477	1249
403969	925	1130	Quartz Vein Float	0.10	1.8	122	27	90
403970	1225	1200	Pegmatitic Quartz	<0.03	<0.1	12	13	22
403971	1045	1160	Quartz Vein	<0.03	<0.1	11	16	180
403972	1045	1160	Quartz Vein	0.03	<0.1	11	29	173
403973	1320	470	Qz Boulder in Soya Creek	0.04	1.3	8	24	146

Table 4: 1999 Regional prospecting rock sample highlights

Sample #	UTM		Notes	Au	Ag	Pb	Zn	As
	East	North		g/t	g/t	ppm	ppm	ppm
403749	504750	6988750	newly found qtz vein	1.70	865.0	14914	2769	514
403899	502100	6995800	silicified/veined HGD	0.53	0.5	34	50	4595
403953	500254	6991900	qtz vein float	0.58	0.3	6353	169	263

With respect to the three altered and mineralized granodioritic rocks sampled, only sample 403899 returned a significant gold assay (0.53 g/t). This sample also contains elevated As (4595 ppm) which is commonly associated with vein-type Au mineralization at Longline. Sample 403900, although not Au mineralised, contains relatively high levels Ca and elevated amounts of K and Fe, providing some chemical evidence for the presence of iron carbonate associated with strong sericitic and phyllic alteration.

Samples 403953, 403958, 403964, 403965, 403966, 403967, and 403968 are all quartz veins similar to the V1, V2, and V3 gold-bearing veins in terms of texture and

mineralogy. These samples contain display variable degrees of Au-Ag mineralization, generally associated with elevated Pb, Zn, As, Sb, Bi, and Cd. Sample 403968 is potentially anomalous in that it contains appreciable sphalerite and the highest level of Zn for any rock sample in the dataset, yet contains very little Cd, a metal commonly associated with sphalerite. Mineralized vein samples 403966, 403967, and 403968 were all collected well upstream from the V3 vein the Swamp Creek area. Samples 403964 and 403968 contain moderately elevated W (22 ppm and 12 ppm), giving a weak indication of a possible Au-W association at Longline. Sample 403965 is somewhat anomalous in that it has coarse muscovite flakes along the vein margin. Muscovite-bearing veins are not uncommon in the Swede's Pit area, and are generally parallel to the V2 vein. Samples 403964 (containing visible gold and assaying 80.85 g/t) and 403965 (1.34 g/t) were both taken from a narrow vein in the hangingwall of V2. This again shows the variability of gold assays along dip and strike within the quartz veins on the property. Vein sample 403749 represents a potentially important new vein discovery in the east-central portion of the Longline property. This rock has very high Ag, Cu, Pb, Zn, and Sb contents, and a very significant level of Au.

Samples 403956 (coarse milky quartz with "punky" oxides) and 4033957 (sugary quartz) are somewhat texturally distinct from other vein samples, and returned insignificant values for Au, Ag, Pb, Zn, As, Sb, and Bi. Other vein samples are not readily distinguished from known gold-bearing veins, and most contain one or more of Au, Ag, As, and Bi at relatively elevated values.

Sample 403966 is weakly sulphides mineralized with minor pyrite and iron oxidation staining, and returned relatively lower values of Au, Ag, Pb, and As.
Quartz vein float samples 403969 and 403973 also gave encouraging Ag results, with some indication of Au enrichment in 403969.

8 GRID EXTENSION SOIL SAMPLING

8.1 Introduction and Methodology

Soil sampling and geophysics on extensions of the 1998 soil grid were initiated based on highly favourable results from soil sampling and 1999 IP surveying on the main grid. The 1999 soil and geophysical grid and grid extension lines were established by cutting and chaining from the baseline (0 E) of the 1998 grid. Chaining along the cut lines was corrected for slope, and labelled pickets were erected at 20 metre intervals.

A total of 698 soil samples were collected on the eastern extension of the Longline property grid. Sample sites were located at 25 m spacing along E-W lines 100 m apart. At each site, samples weighing approximately 1 kg were taken from the B soil horizon with mattocks and placed in labelled water repellent "Dry Rite" bags. Duplicate samples were collected from 13 sites. Under organic layers of variable thickness, the B-horizon soils are composed of silt to clay sized materials, commonly with a gravelly or rocky component. These soils are typically brown-grey in wetter areas (more prevalent on the lower slopes of the upper Swamp Creek and Soya Creek valleys) and red-brown in drier ones. Permafrost was commonly encountered on mossy north-west facing slopes. Three hundred and seventy-three (373) soil samples were shipped to Northern Analytical Labs ("NAL") in Whitehorse to give analytical coverage of approximately 50 x 100 metres. The remaining samples have been stored for future analysis, if needed.

At NAL, soil samples were dried and sieved to -80 mesh (180 micron) and a 30g split of this material was then analysed for Au by fire assay and atomic absorption spectrophotometry (AAS) with a detection limit of 5 ppb. A second subsample of –80 mesh material was analysed for a suite of 30 elements by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS) following multi-acid digestion. The multi-element analyses were done by IPL in Vancouver.

8.2 Grid Extension Soil Results

Sample locations for the grid extension soil results are presented in **Plate 6** and the analytical results for soil samples are listed **Appendix 6**. Gold in soils (**Plate 7**) indicates scattered anomalous values (> 25 ppb), with some indication of north-east trends similar to and continuing from those previously identified on the main grid block in 1998. Au values are in a range that is generally comparable to that identified by previous geochemical surveys on the property. For the most part, Cu, Pb, Zn, Ag, and Sb show only scattered high values.

The two highest Au values for the 1999 grid soil data are 630 ppb at 400N 750E and 461 ppb at 300N 800E. This second sample is also highly anomalous in Pb (158 ppm), Zn (143 ppm), As (1417 ppm), Sb (10 ppm) and Ag (0.5 ppm).

Arsenic is considered a pathfinder element for gold mineralization in the Longline property area. Arsenic data for the grid extensions has a higher background level than the main grid block (**Plate 8**), but this is almost certainly an analytical effect, not a geological one. Anomalous values greater than 75 ppm are largely confined to the north-west half of

the grid extension area, where several broad areas of elevated values are evident. The highest arsenic values (partially coinciding with anomalous Au, Ag, Pb, Zn an Sb in soils) form an intense N-S elongate anomaly between 750E and 900E and extending from lines 100S to 400N. This soil anomaly is not associated with any known mineralization and constitutes a significant new exploration target.

9 GRADIENT ARRAY IP SURVEY

9.1 Introduction and Survey Parameters

A gradient array Induced Polarisation survey was conducted over the central property grid and grid extensions to further define the chargeability and resistivity anomalies that were identified by a dipole-dipole IP surveying on part of the main grid area in 1998.

Quantec IP Incorporated conducted the survey using a gradient array configuration with transmitter dipole (AB) spacing of 1100 m, and receiver dipole (MN) spacing of 20 m. This configuration yields chargeability and resistivity data that relate to geological conditions at approximately 150 metres depth. On the main grid, survey lines were 100 m apart, with a station interval of 20 m. On the grid extension lines, every second line was surveyed, giving coverage of 200 m line spacing with 20m station intervals. A total of 37.75 km was surveyed.

Profile surveying was conducted over promising sections of the main grid area. This "Real Section" profiling is achieved by repeatedly surveying line segments with a constant receiver dipole spacing while employing staged reductions of transmitter dipole spacing. A complete Quantec logistical report is appended (**Appendix 7**).

9.2 Results and Interpretation

Chargeability and apparent resistivity for the full gradient array survey are shown in plan view in **Plate 9**. In general, these IP data plans are inferred to represent the IP response of the rocks at a depth of approximately 150m and therefore do not necessarily correspond to features mapped at surface. However, several patterns in the IP data do correspond to those observed in aeromagnetic data. In particular, a discrete, persistent, vertical NNW-SSE linear feature is characterised by low magnetic field, low chargeability, and low resistivity. Secondary NE trending aeromagnetic lows terminate at or slightly offset the broad N-S IP anomalies.
Within these larger domains, a number of north-south elongated areas of chargeability highs (in some cases coincident with resistivity highs) are present. These are interpreted

as zones of hydrothermal alteration and sulphide mineralization (chargeability high), possibly associated with silicification (resistivity high). Depth profiling indicated that some anomalous zones extend to surface, while others do not.

For broad areas of elevated chargeability at the greatest depth penetration, at least some part of the responses may not be from sulphide mineralization but may reflect the intrinsic chargeability of the rock at this depth (Rutter, 1999). The smaller-scale chargeability and resistivity responses shown by depth profiling might be much more likely to indicate mineralized zones or structures. Twenty-two interpreted Real Section profiles for grid lines 1100 N to 1100 S are presented in **Figures 3-24**.

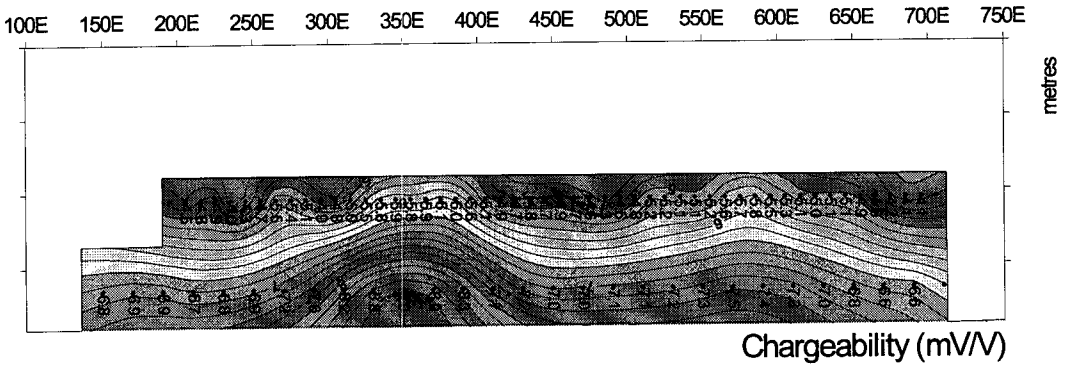
10 TRENCHING AND DELINEATION DRILLING

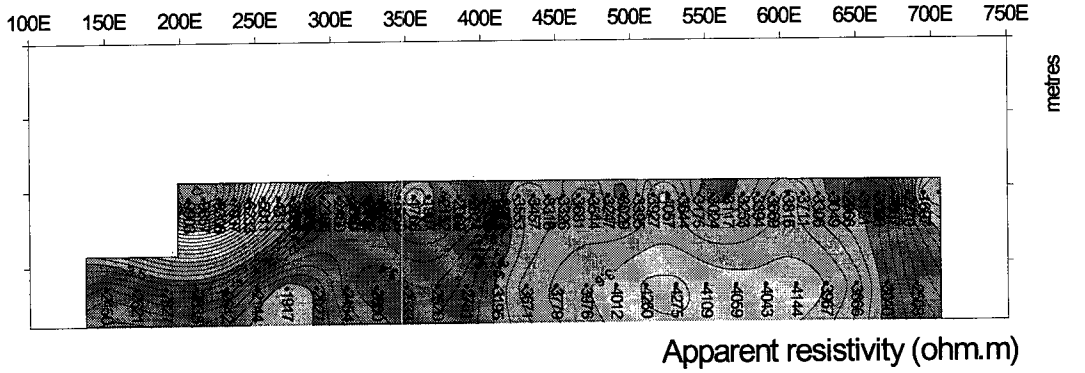
10.1 Introduction

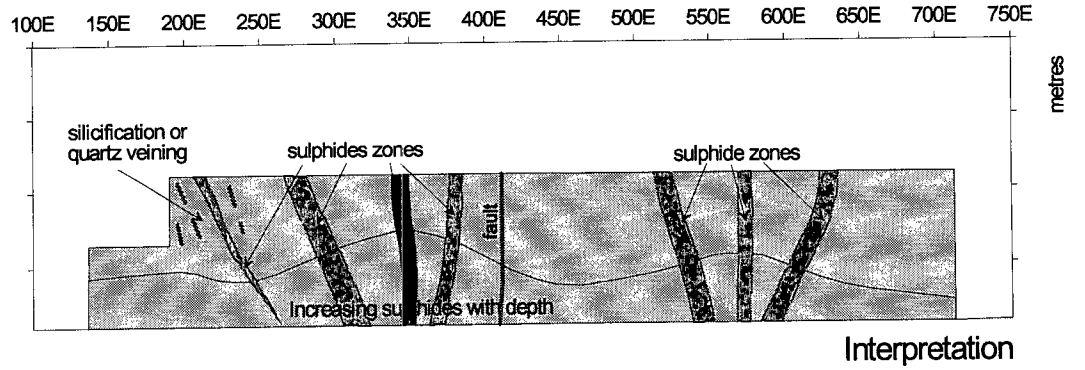
In anticipation of a bulk sampling operation in Swede's Pit, the V1, V2, V3, and SC-1 veins were mapped in detail and systematically sampled. Channel or panel samples of the veins and associated alteration were taken at intervals of 5 to 8 metres along the length of the exposed faces of V1, V3, and SC-1. In the Swede's Pit area, 10 new trenches across the exposure of the V2 vein were dug with a Caterpillar 225 excavator. These new trenches and 8 existing faces and trenches were mapped at 1:25 scale. This program gave mapping and sampling coverage at an average spacing of 15 m along the full extent of the pit.

Initially, 57 drill sites were laid out in a 20 x 20 metre pattern extending slightly beyond the limits of the proposed Phase I mining pit. This drill grid was established over an area of about 300 x 100 metres on a local grid (M or Mine Grid) oriented at 025° N. Of the 57 sites spotted, only 22 holes (**Figure 25**) were drilled as a first phase down-dip evaluation of V2.

Swede's Pit core and trench samples and regional rock samples were sent to NAL for analyses. The samples were individually crushed and a 200g split was pulverized and analyzed for gold and silver. Due to the high-grade nature of the core and trench samples, gold analysis was by a metallics sieve method, a recommended method for samples with coarse gold. This method involves screening off the coarse particulate gold, then analysing this coarse fraction and the resulting fine fraction separately. The detection limit for this type of analyses is 0.03g/t. Ag and the 30 element ICP suite were analysed using the same laboratories and procedures as for the soil and stream sediment samples.







Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

Smoothed using a linear 5 point weighted moving filter

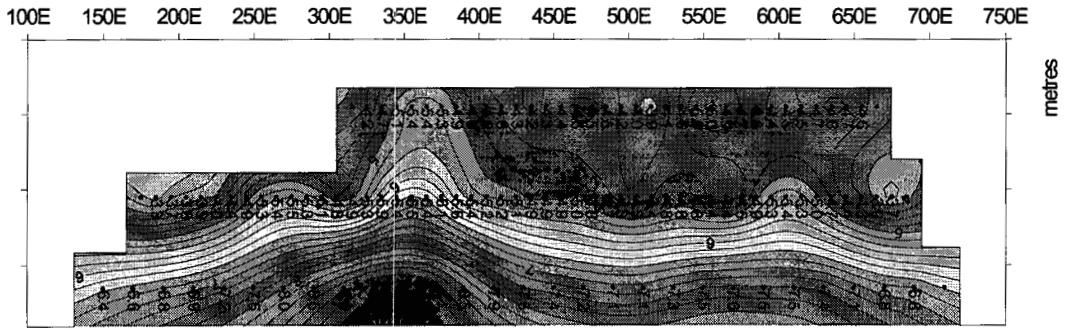
BARRAMUNDI GOLD·LTD

Longline Property
Line 1,100N
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

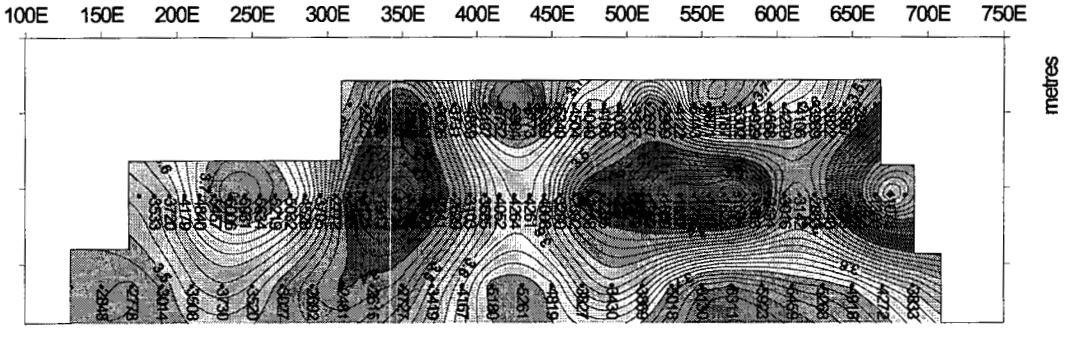
1100Nint.srf

Figure 3

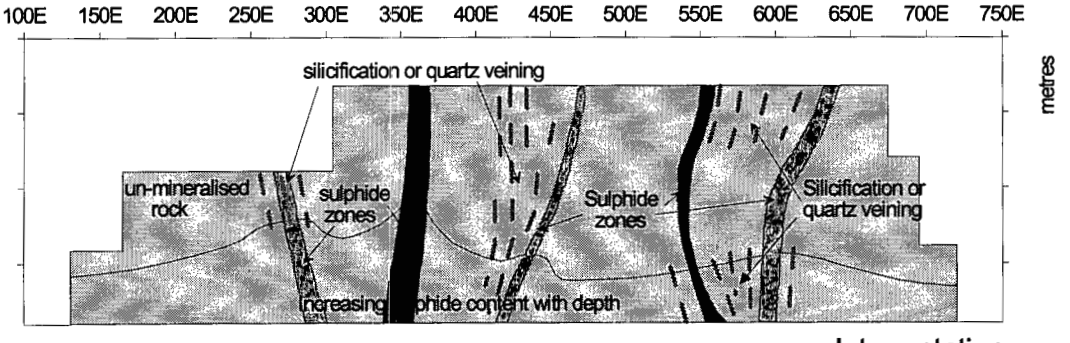
Hugh Rutter, July 1999



Chargeability (mV/V)



Apparent resistivity (ohm.m)



Interpretation

Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

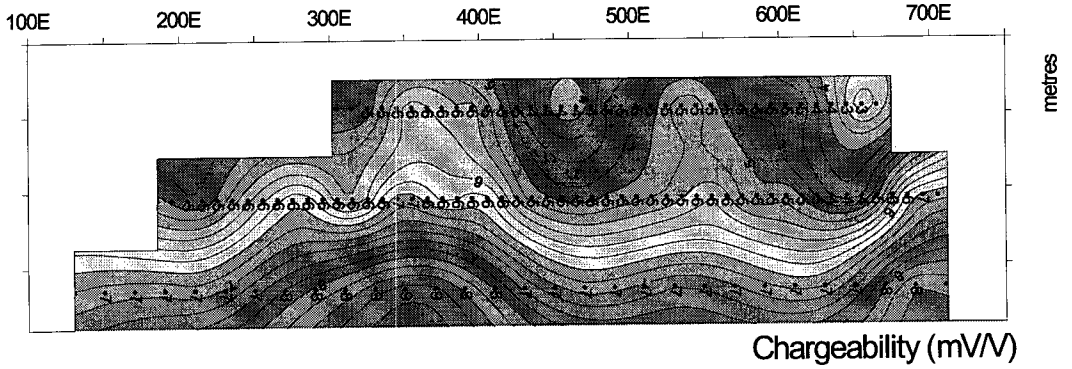
Smoothed using a linear 5 point weighted moving filter

BARRAMUNDI GOLD · LTD

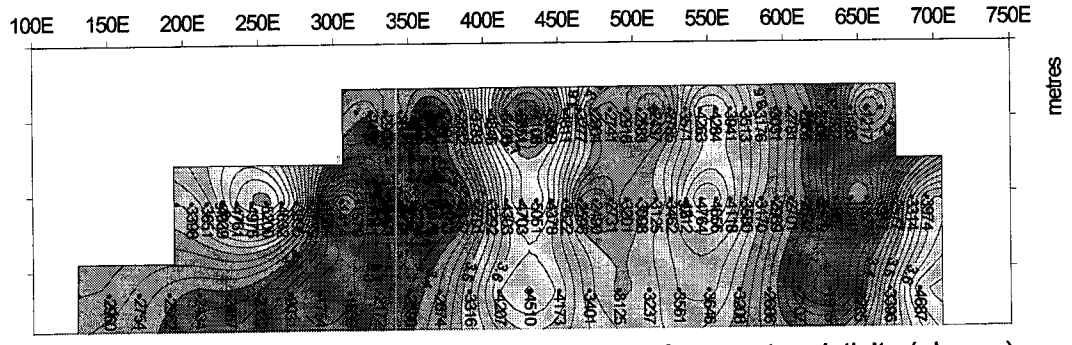
Longline Property
Line 1,000N
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

1000Nint.srf

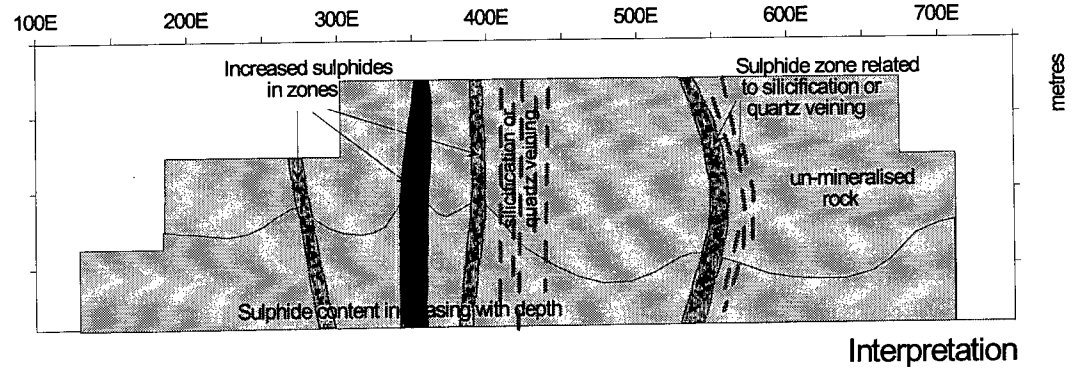
Figure 4 Hugh Rutter, July 1999



Chargeability (mV/V)



Apparent resistivity (ohm.m)



Interpretation

Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

Smoothed using a linear 5 point weighted moving filter

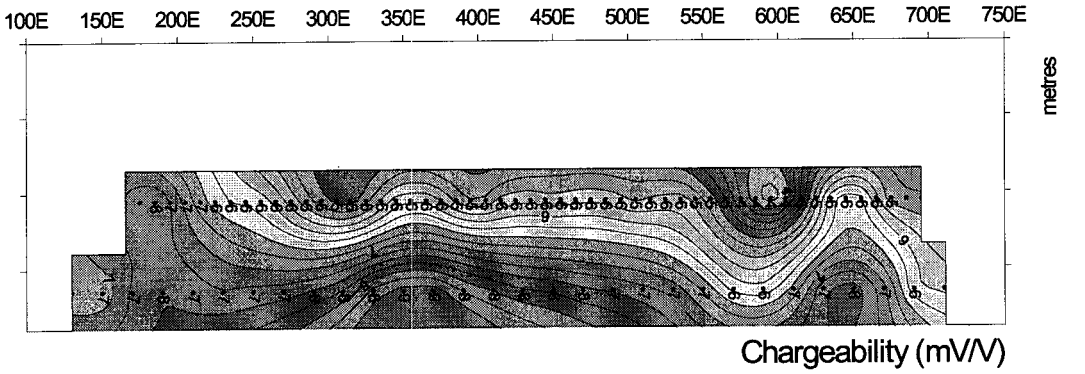
BARRAMUNDI GOLD·LTD

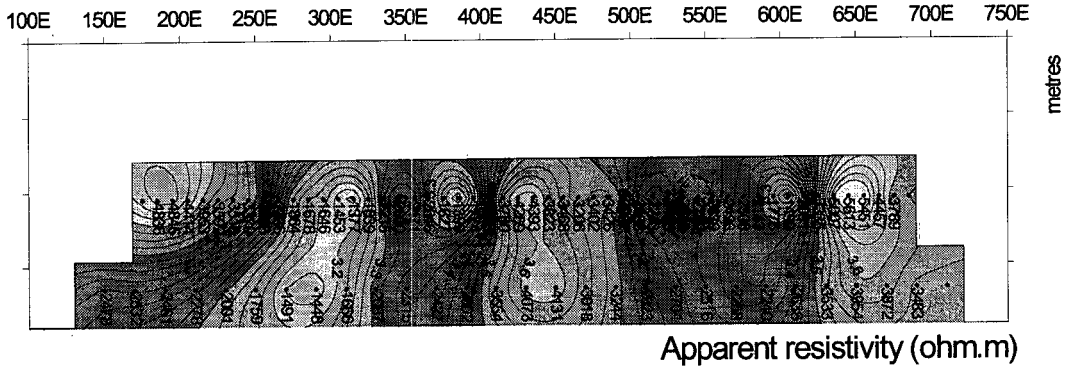
Longline Property
Line 900N
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

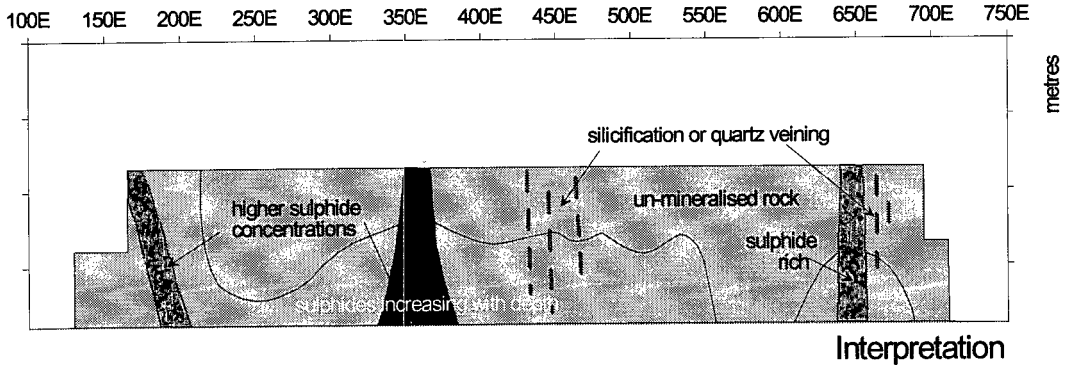
900Nint.srf

Figure 5

Hugh Rutter, July 1999







Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

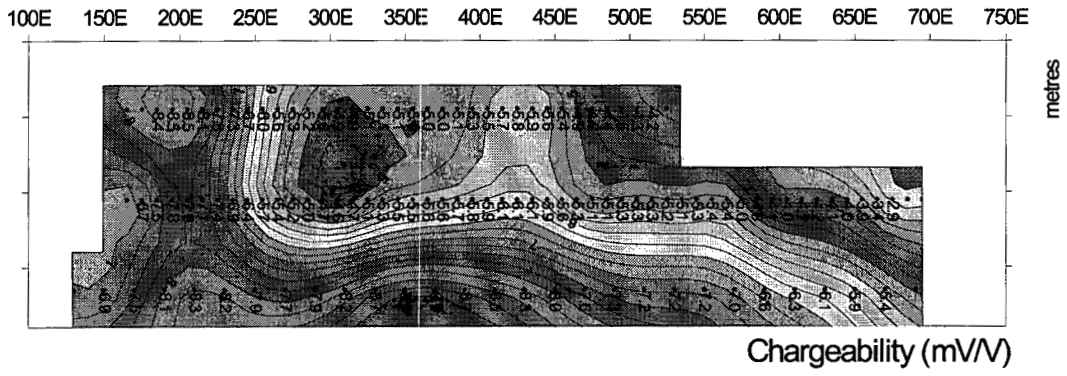
Smoothed using a linear 5 point weighted moving filter

BARRAMUNDI GOLD·LTD

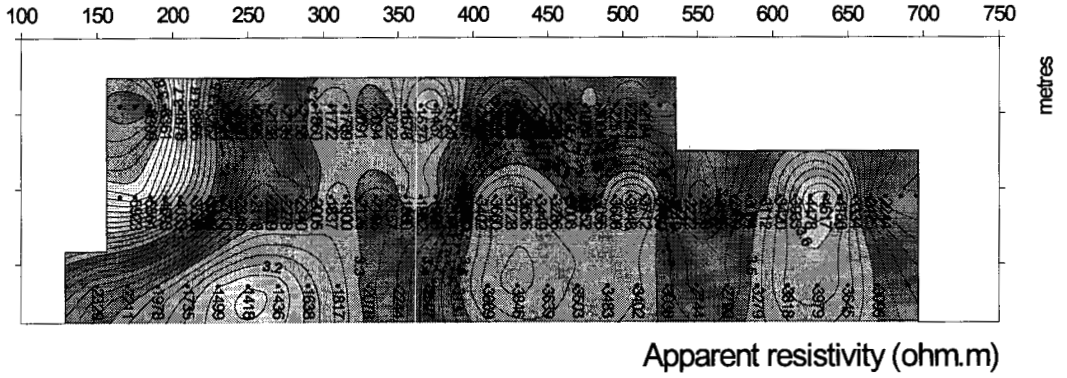
Longline Property
Line 800N
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

800Nint.srf

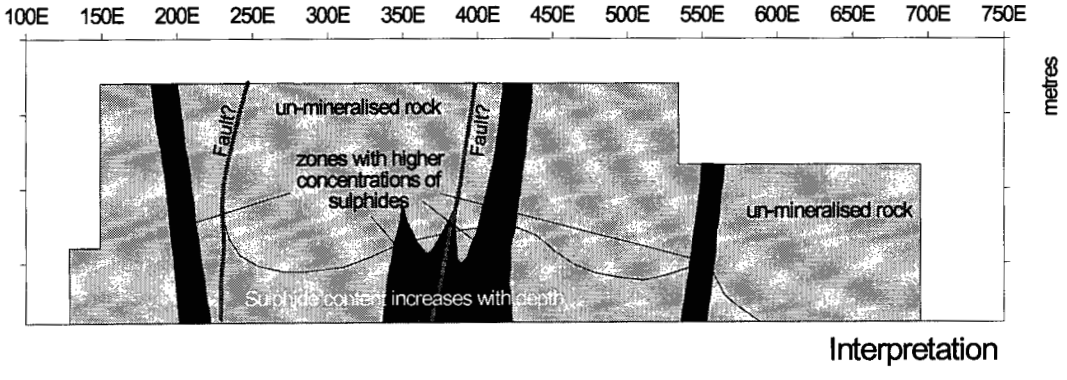
Figure 6 Hugh Rutter, July 1999



Chargeability (mV/V)



Apparent resistivity (ohm.m)



Interpretation

Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

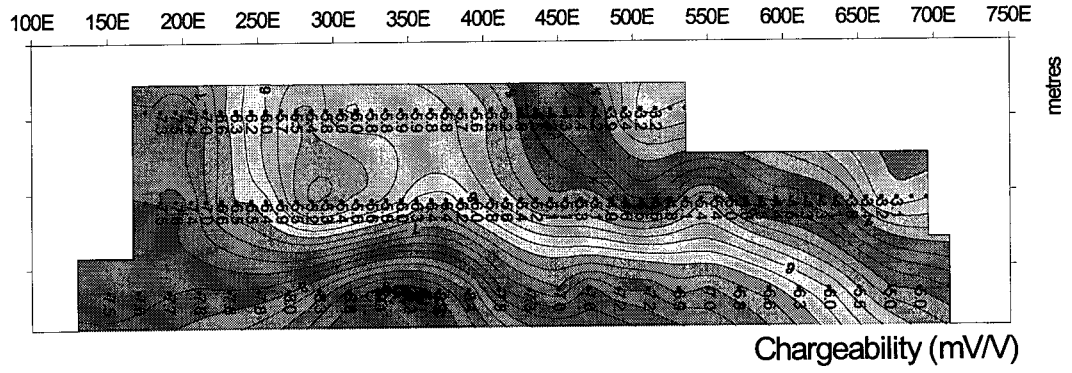
Smoothed using a linear 5 point weighted moving filter

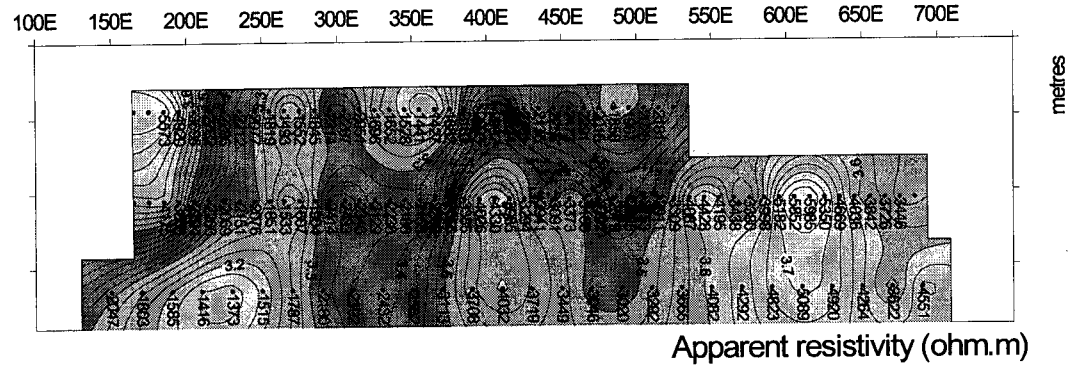
BARRAMUNDI GOLD · LTD

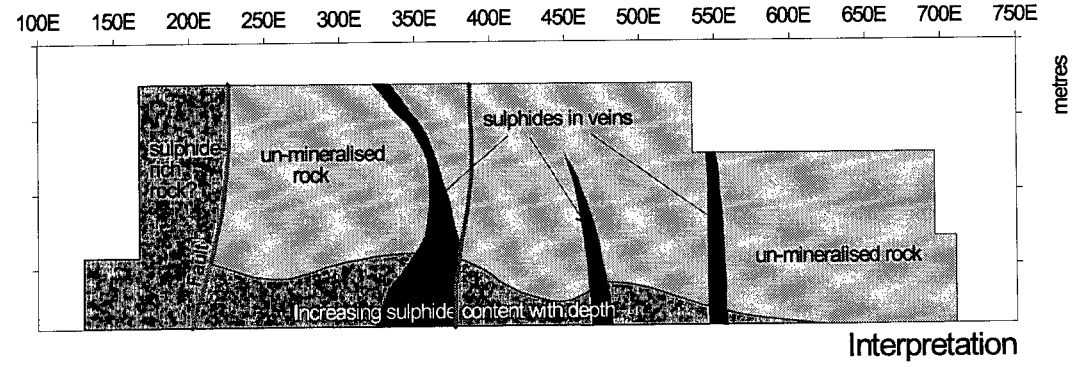
Longline Property
Line 700N
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

700Nint.srf

Figure 7 Hugh Rutter, July 1999







Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

Smoothed using a linear 5 point weighted moving filter

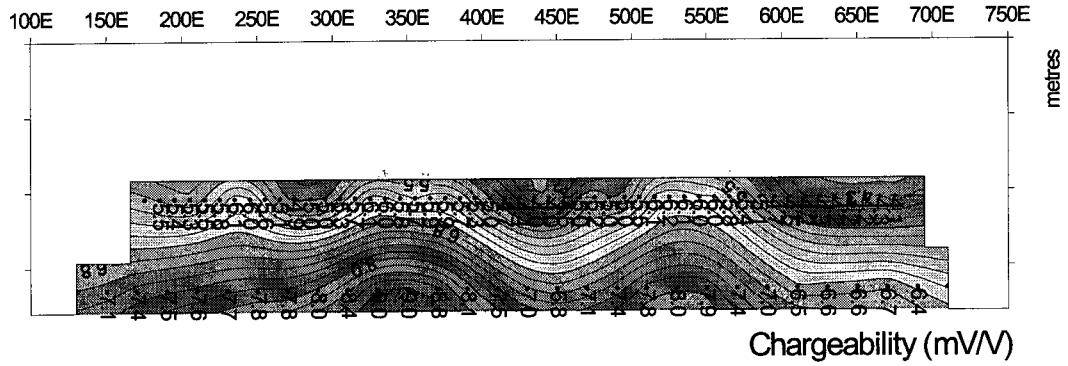
600Nint.srf

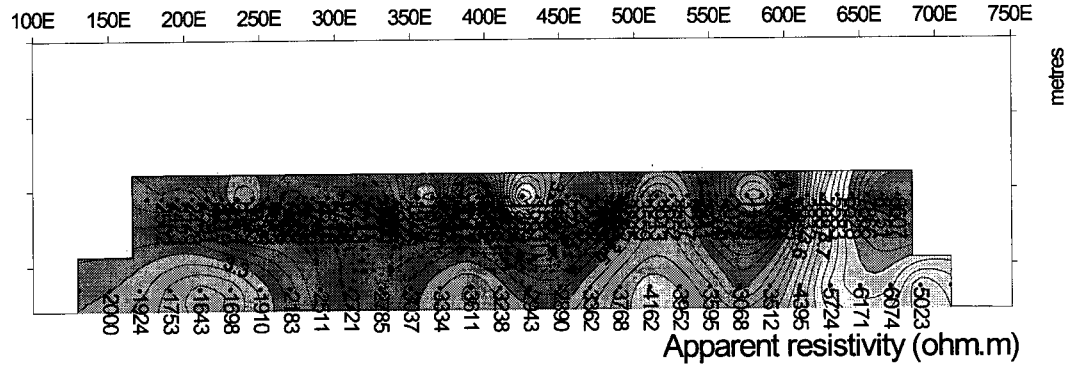
BARRAMUNDI GOLD·LTD

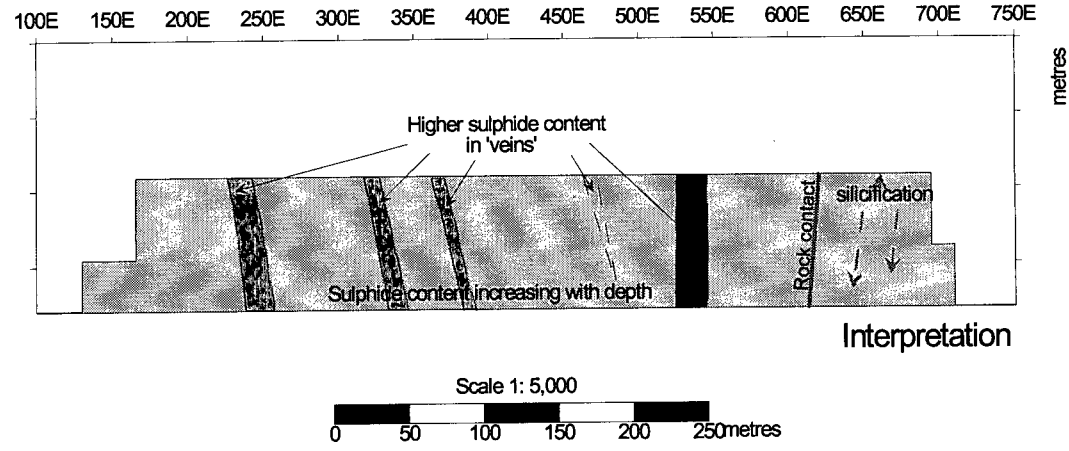
Longline Property
Line 600N
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

Figure 8

Hugh Rutter, July 1999







Scale 1: 5,000

0 50 100 150 200 250metres

Field data acquired by Quantec IP Inc.

Smoothed using a linear 5 point weighted moving filter

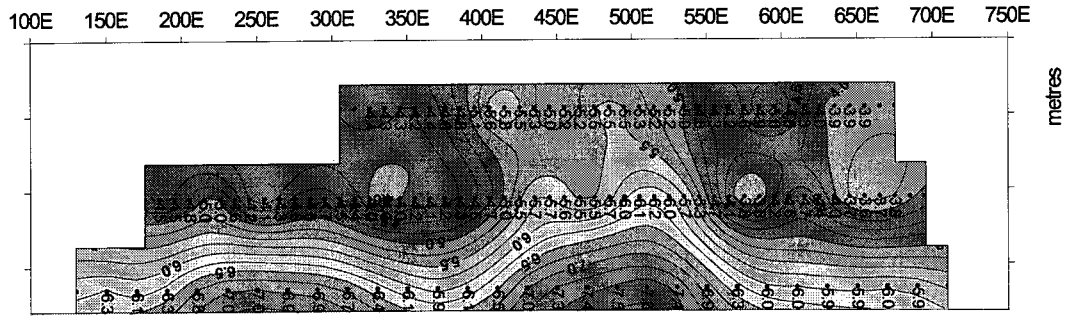
BARRAMUNDI GOLD·LTD

Long Line Property

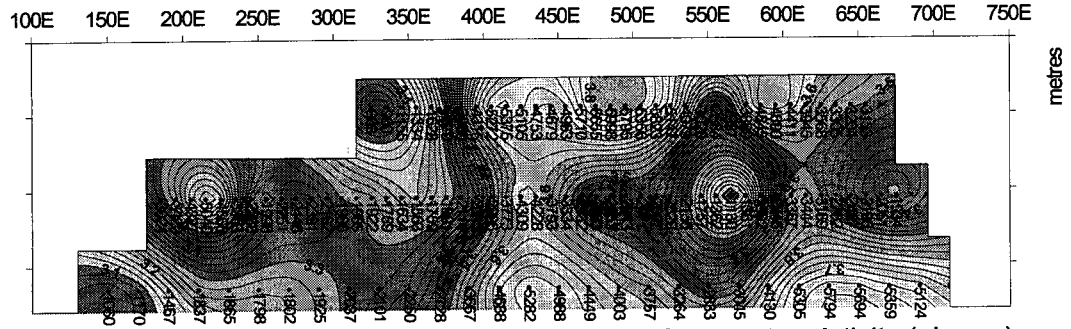
Line 500N
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

500Nint.srf

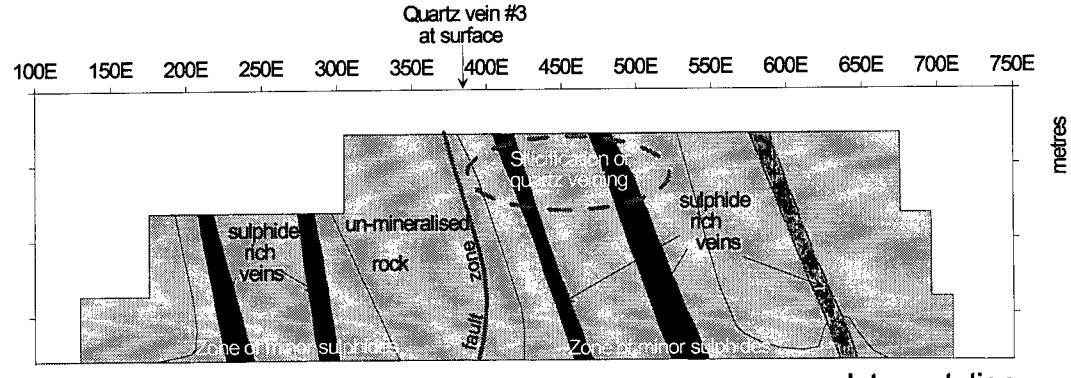
Figure 9 Hugh Rutter, July 1999



Chargeability (mV/V)



Apparent resistivity (ohm.m)



Interpretation

Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

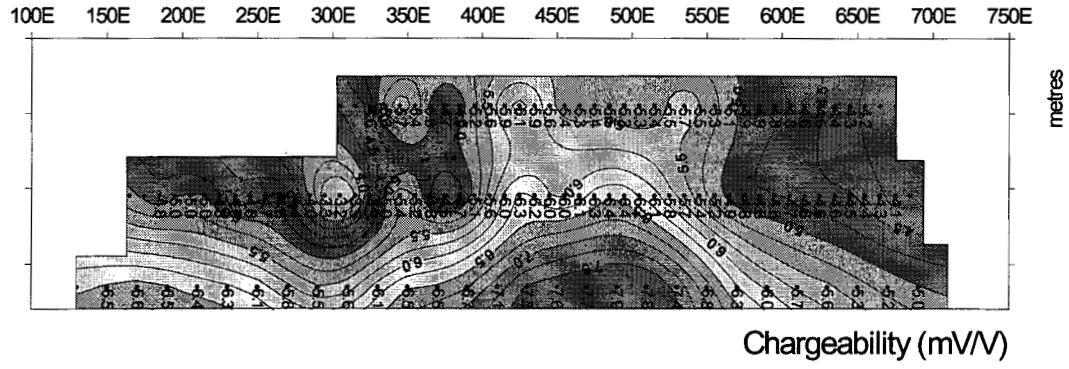
Smoothed using a linear 5 point weighted moving filter

BARRAMUNDI GOLD LTD

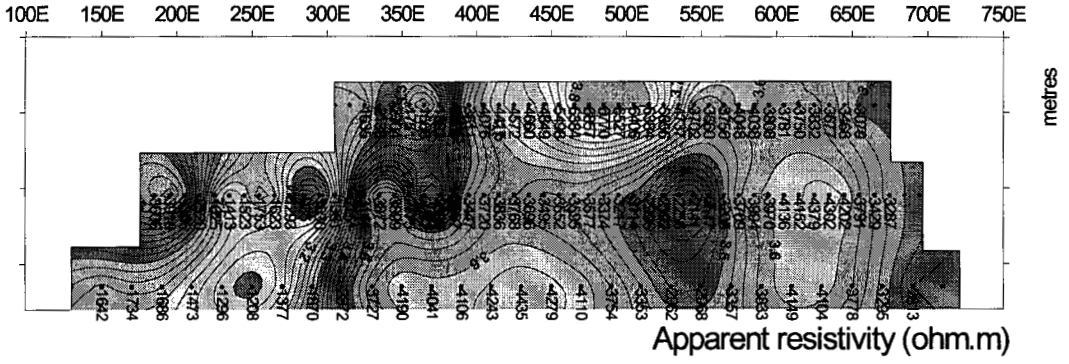
Longline Property
Line 400N
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

Figure 10 Hugh Rutter, July 1999

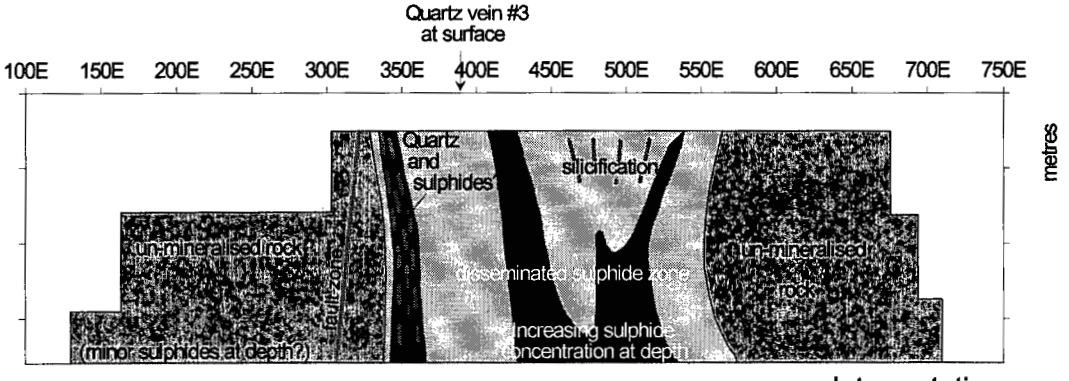
400Nint.srf



Chargeability (mV/V)



Apparent resistivity (ohm.m)



Interpretation

Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

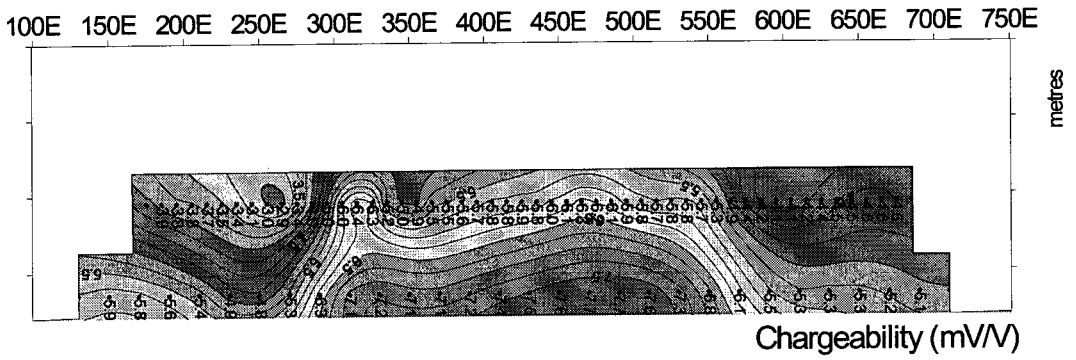
Smoothed using a linear 5 point weighted moving filter

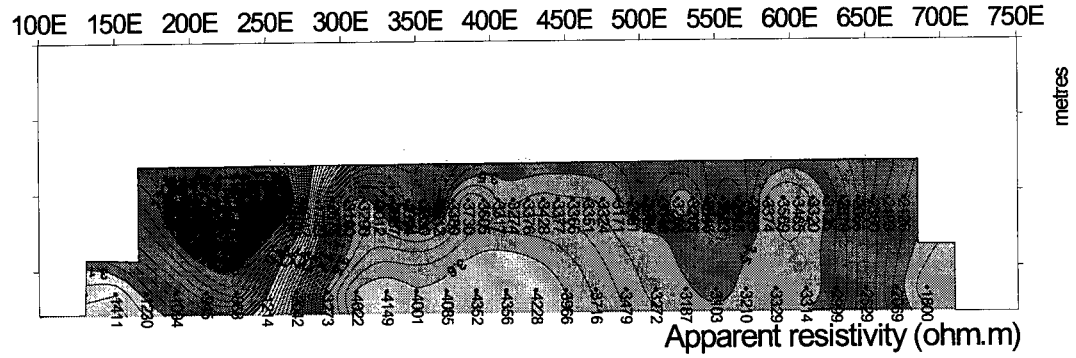
BARRAMUNDI GOLD·LTD

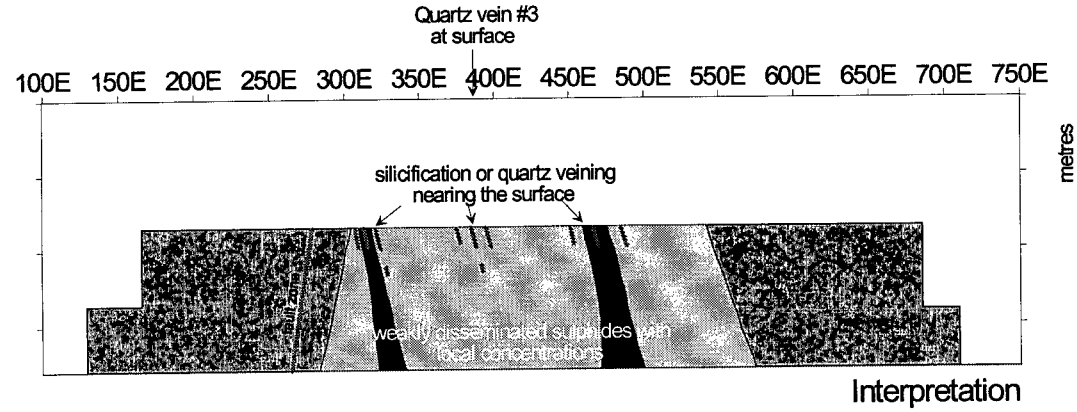
Longline Property
Line 300N
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

300Nint.srf

Figure 11 Hugh Rutter, July 1999







Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

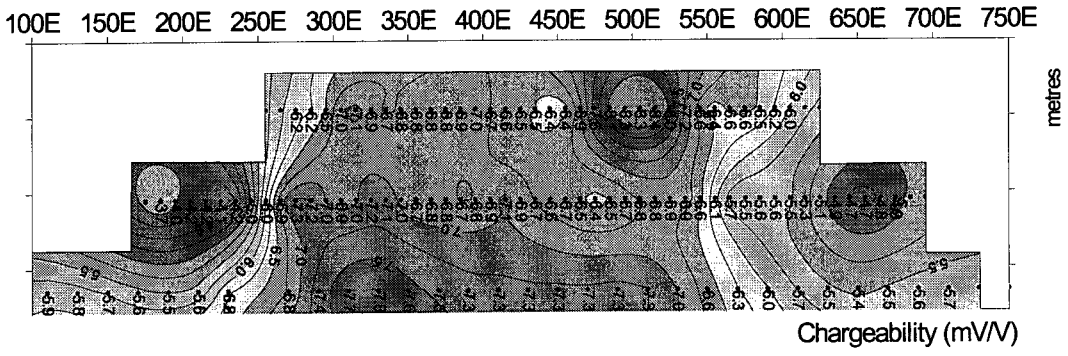
Smoothed using a linear 5 point weighted moving filter

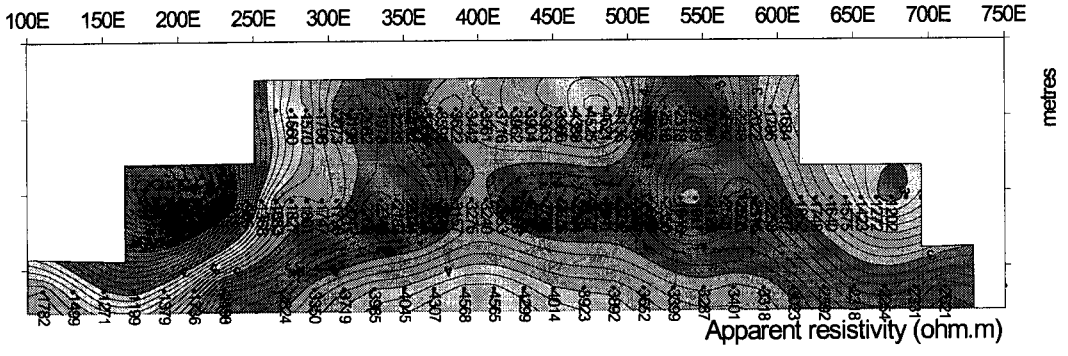
BARRAMUNDI GOLD·LTD

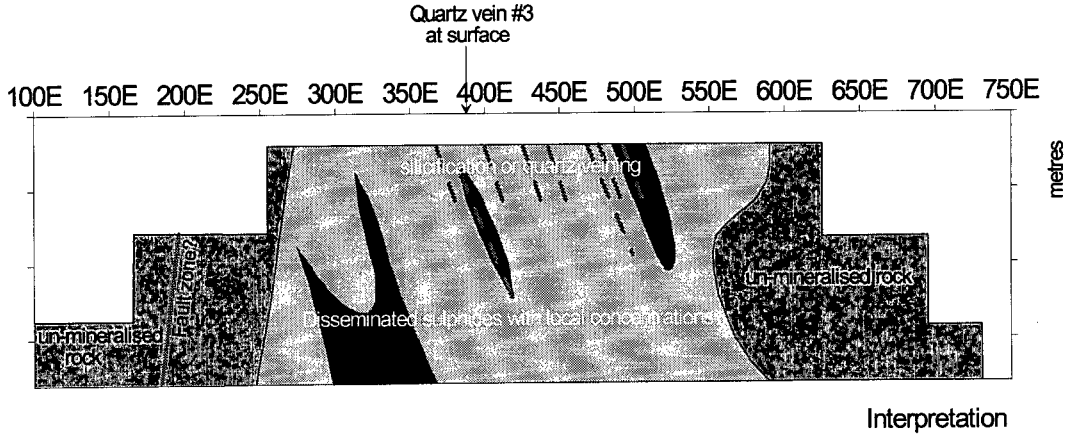
Longline Property
Line 200N
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

200Nint.srf

Figure 12 Hugh Rutter, July 1999







Scale 1:5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

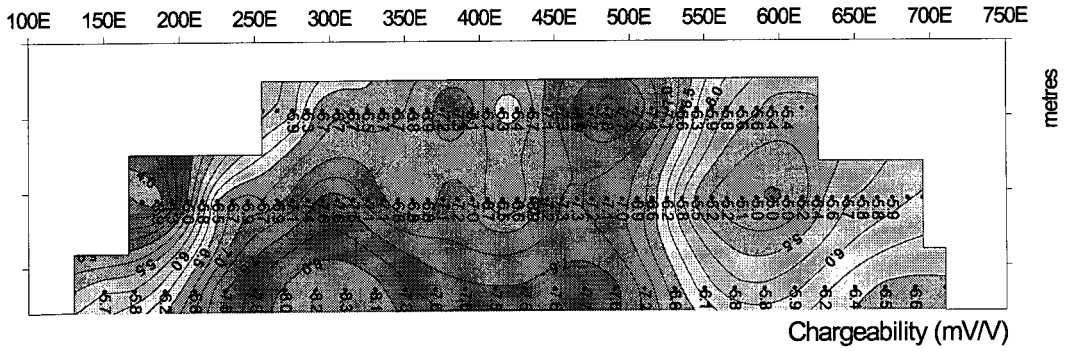
Smoothed using a linear 5 point weighted moving filter

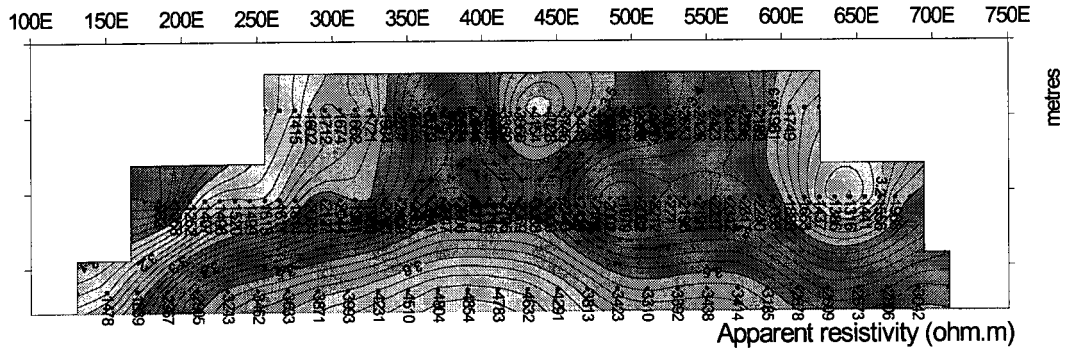
BARRAMUNDI GOLD·LTD

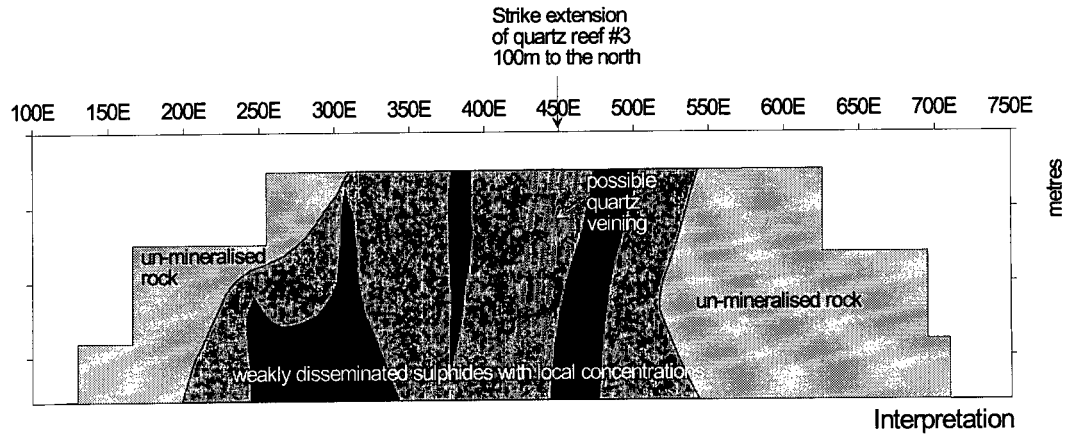
Longline Property
Line 100N
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

100Nint.srf

Figure 13 Hugh Rutter, July 1999







Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

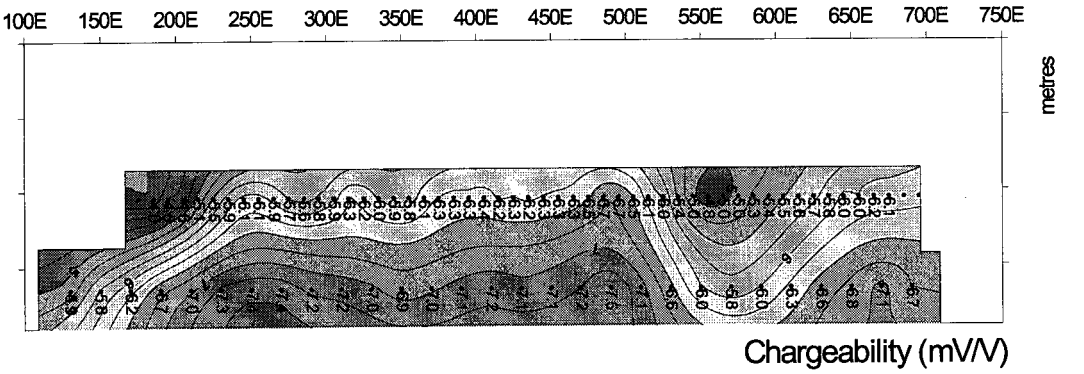
Smoothed using a linear 5 point weighted moving filter.

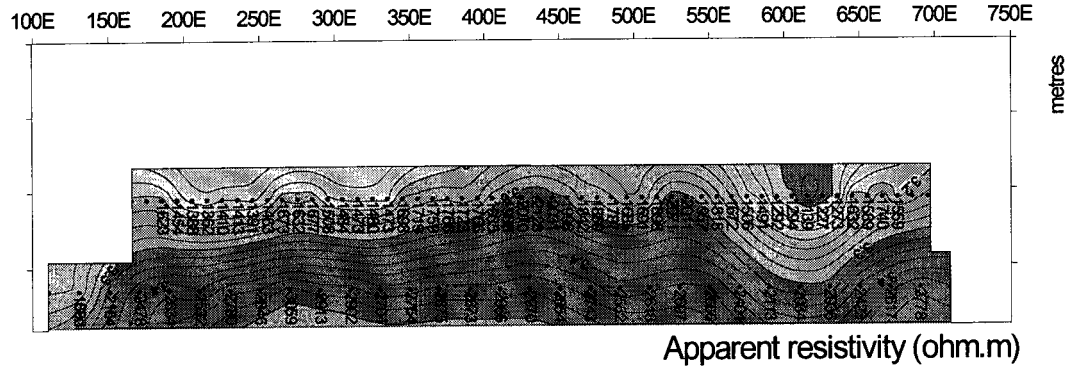
BARRAMUNDI GOLD·LTD

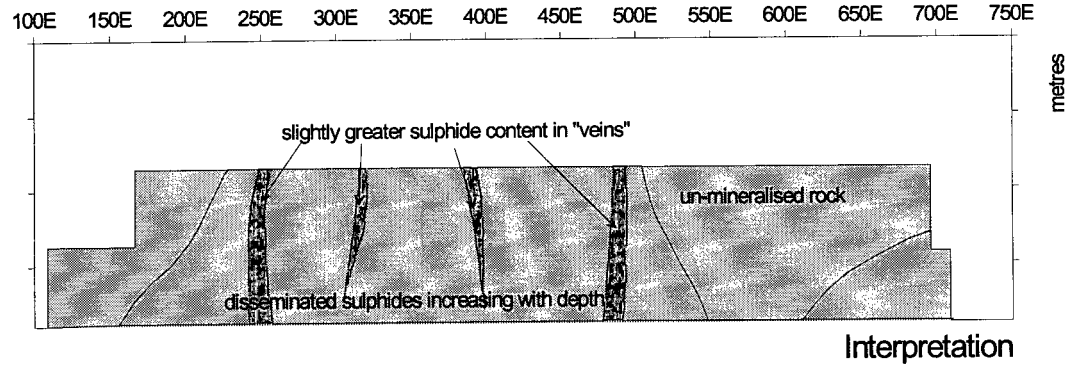
Longline Property
Line 000N
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

RS000Ns.srf

Figure 14 Hugh Rutter, July 1999







Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

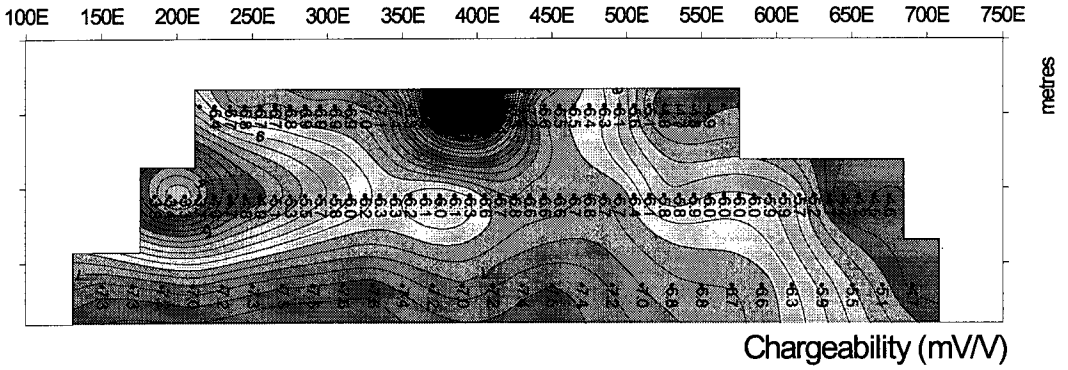
Smoothed using a linear 5 point weighted moving filter

BARRAMUNDI GOLD·LTD

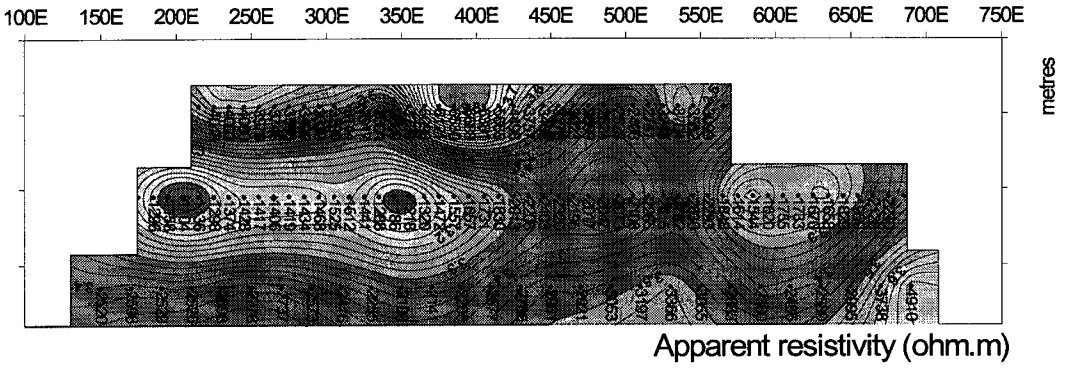
Longline Property
Line 100S
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

Figure 15 Hugh Rutter, July 1999

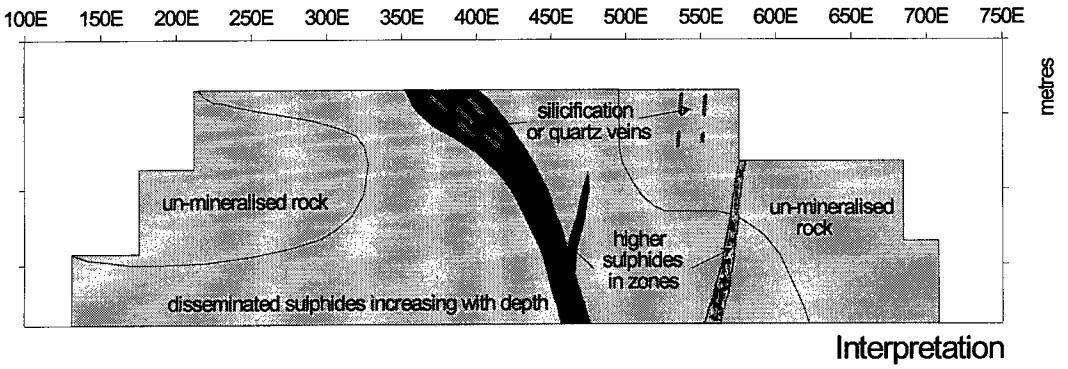
100Sint.srf



Chargeability (mV/V)



Apparent resistivity (ohm.m)



Interpretation

Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

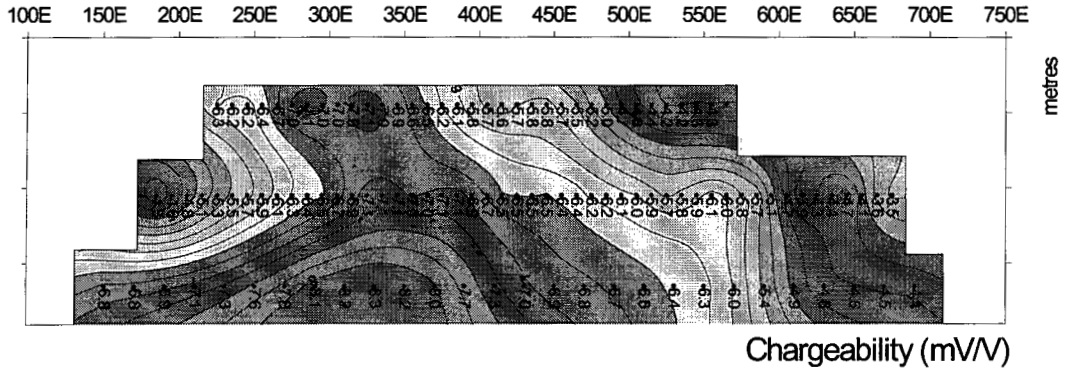
Smoothed using a linear 5 point weighted moving filter

BARRAMUNDI GOLD·LTD

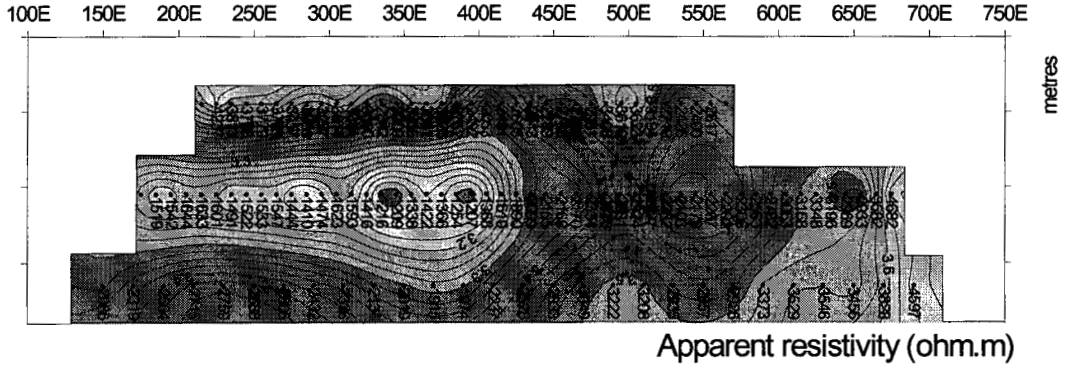
Longline Property
Line 200S
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

200Sint.srf

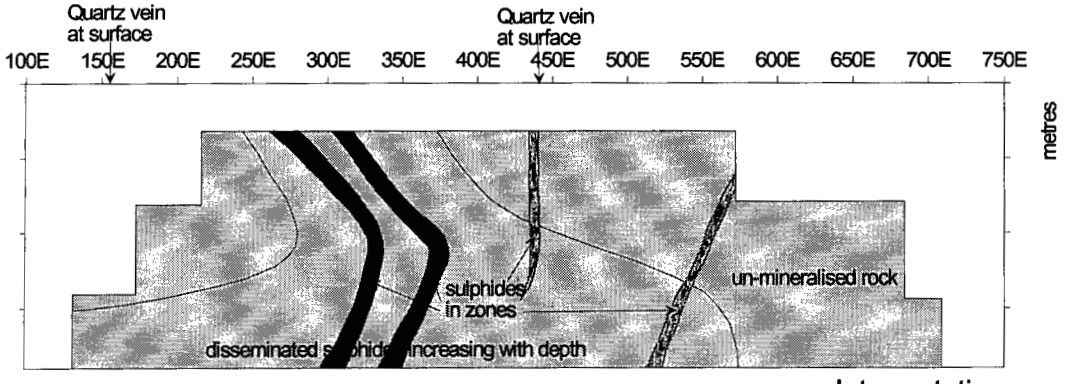
Figure 16 Hugh Rutter, July 1999



Chargeability (mV/V)



Apparent resistivity (ohm.m)



Interpretation

Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

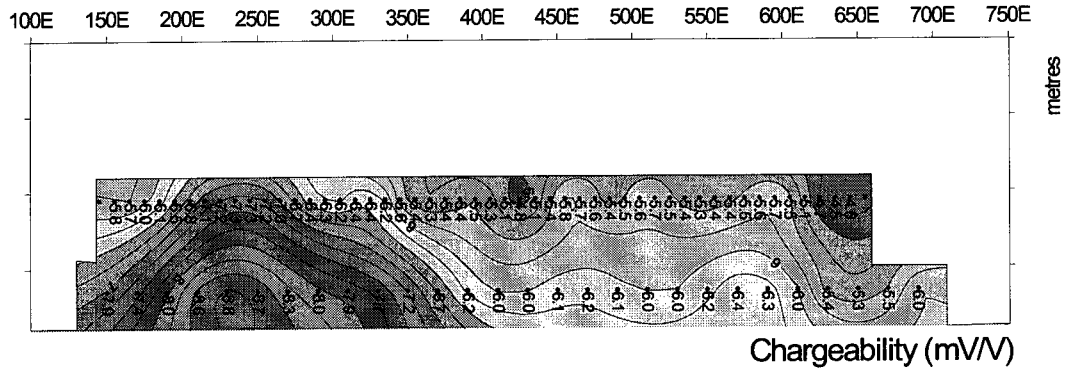
Smoothed using a linear 5 point weighted moving filter

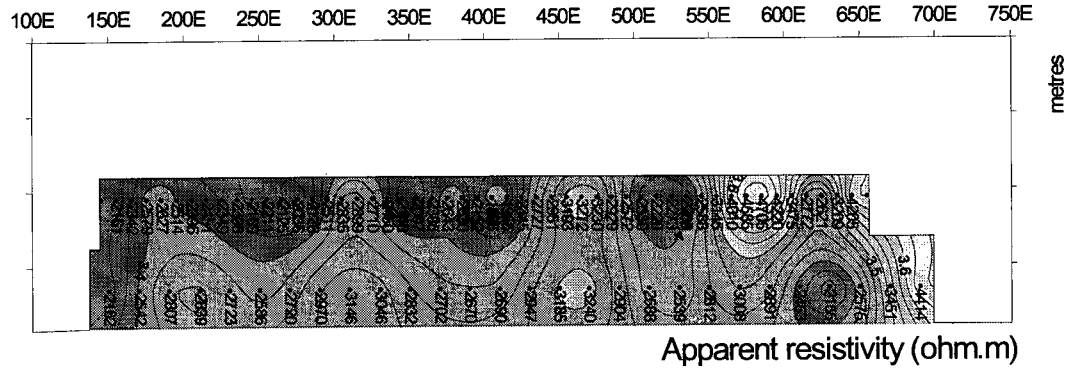
BARRAMUNDI GOLD · LTD

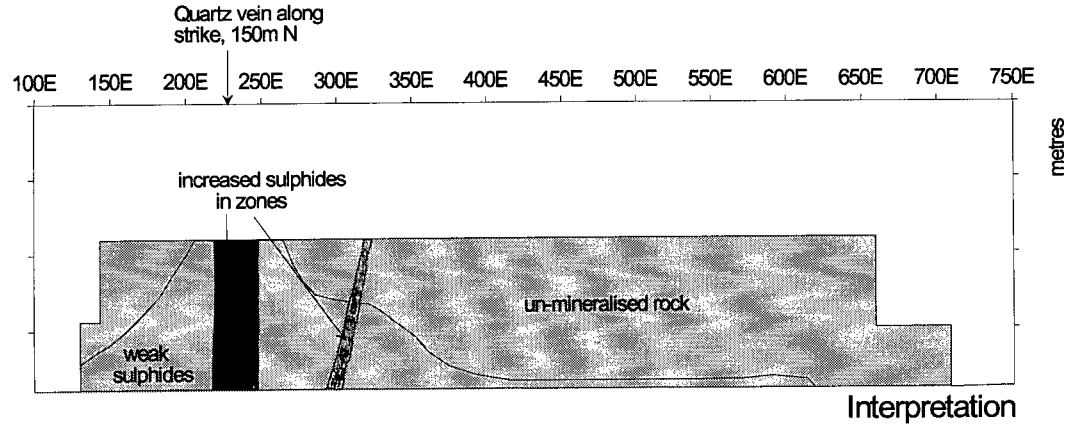
Longline Property
Line 300S
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

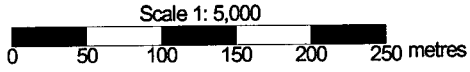
300Sint.srf

Figure 17 Hugh Rutter, July 1999









Field data acquired by Quantec IP Inc.

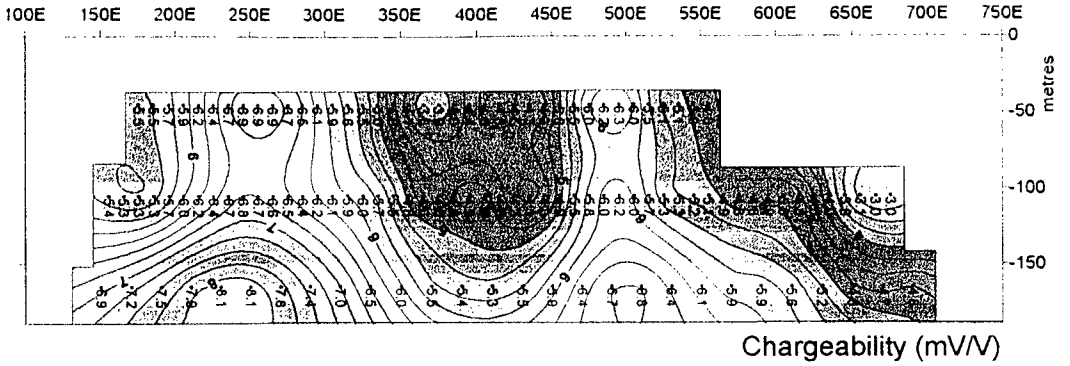
Smoothed using a linear 5 point weighted moving filter

BARRAMUNDI GOLD·LTD

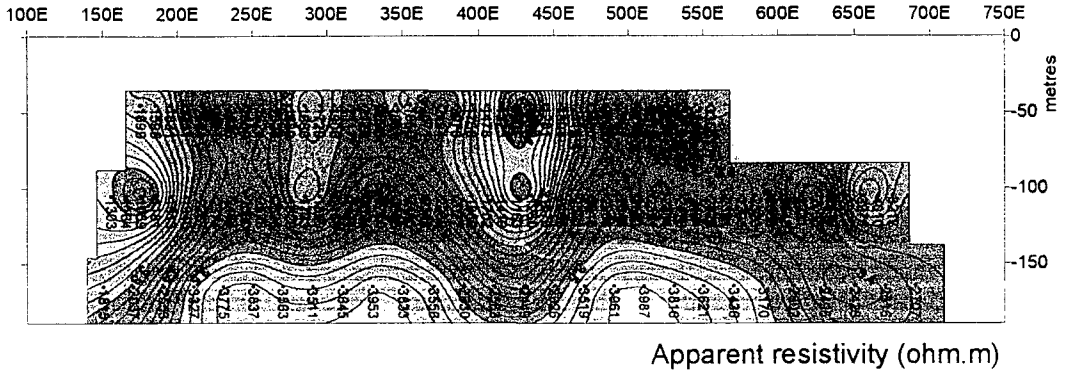
Longline Property
Line 500S
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

500Sint.srf

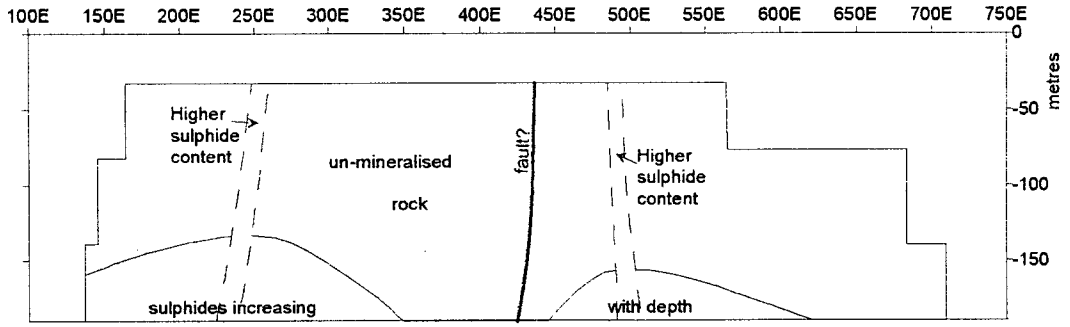
Figure 18 Hugh Rutter, July 1999



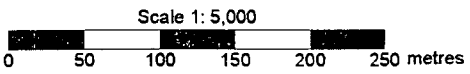
Chargeability (mV/V)



Apparent resistivity (ohm.m)



Interpretation



Field data acquired by Quantec IP Inc.

Smoothed using a linear 5 point weighted moving filter

BARRAMUNDI GOLD·LTD

Long Line Property

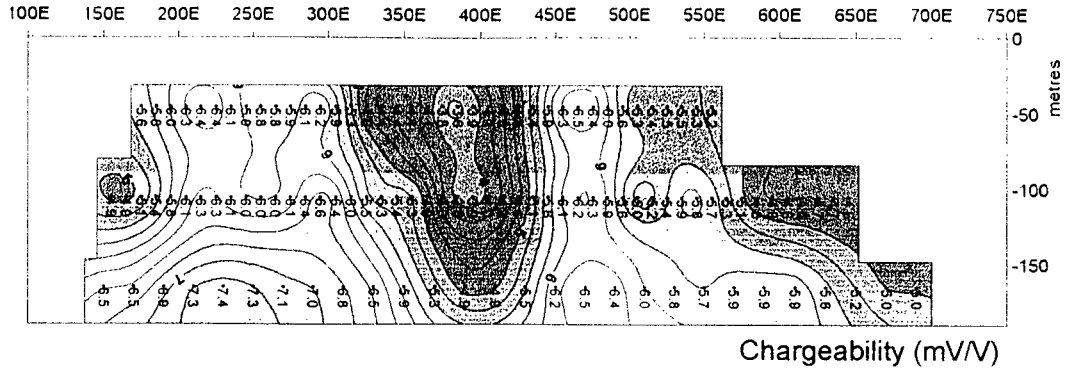
Figure 19

Line 600S

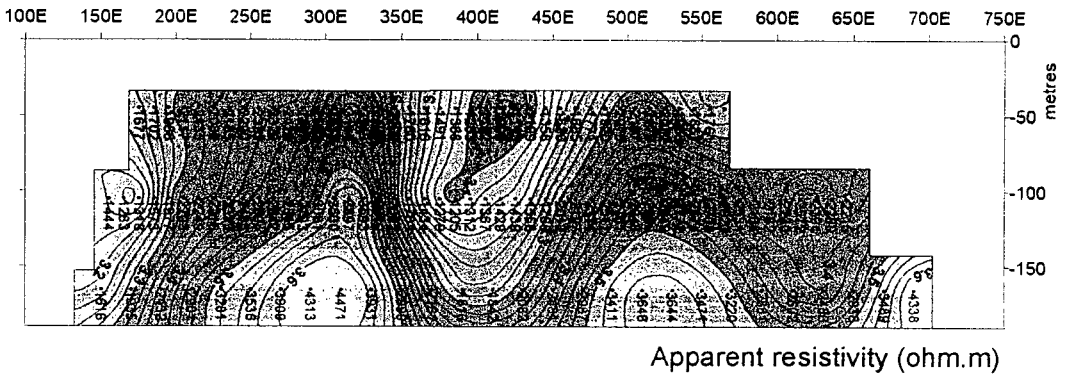
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

600Sint.srf

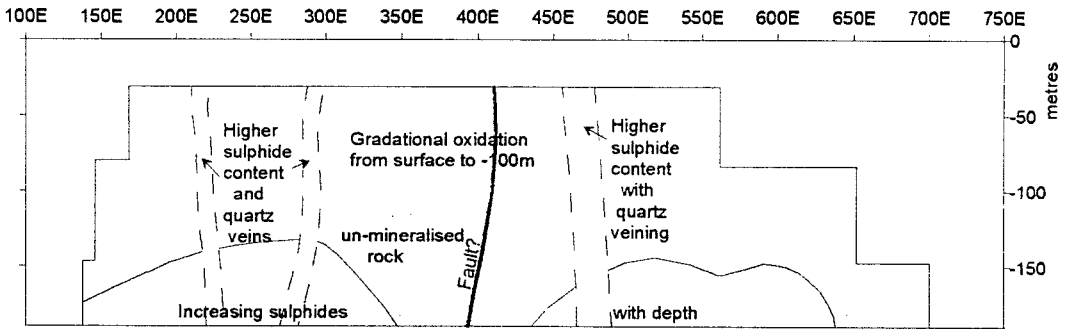
Flagstaff GeoConsultants Hugh Rutter, July 1999



Chargeability (mV/V)



Apparent resistivity (ohm.m)



Interpretation

Scale 1: 5,000

0 50 100 150 200 250 metres

Field data acquired by Quantec IP Inc.

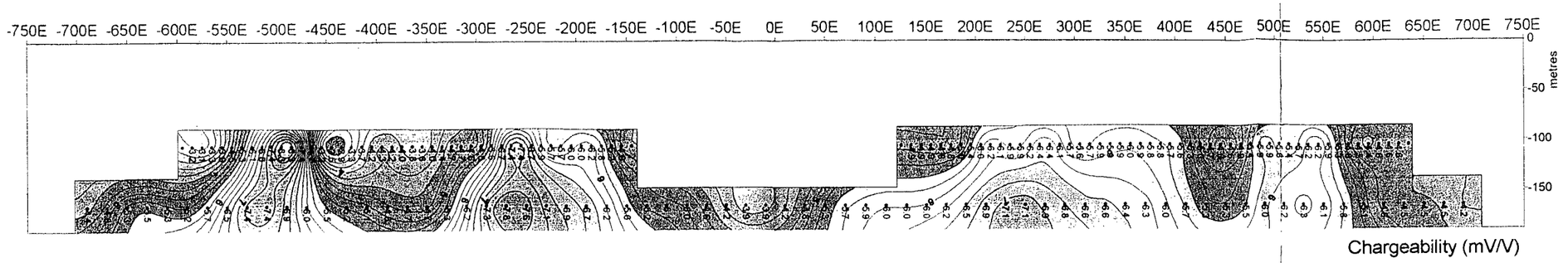
Smoothed using a linear 5 point weighted moving filter

BARRAMUNDI GOLD · LTD

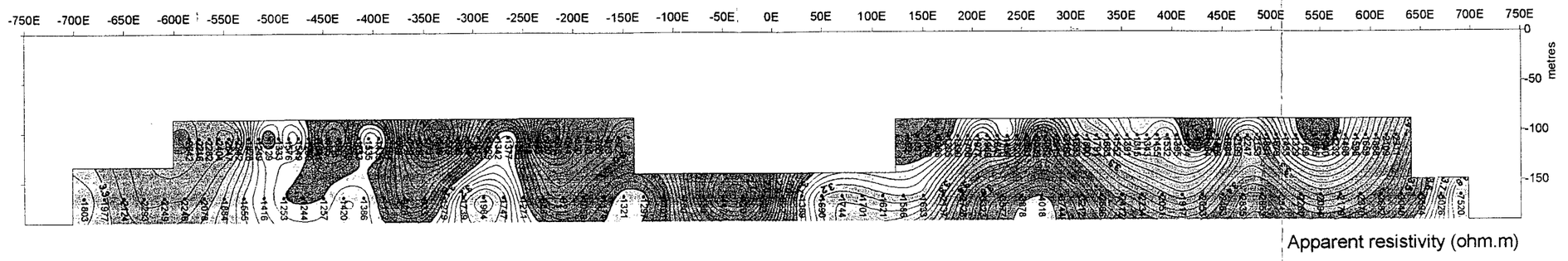
Long Line Property
Yukon Territory
Figure 20
Line 700S
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

700Sint.srf

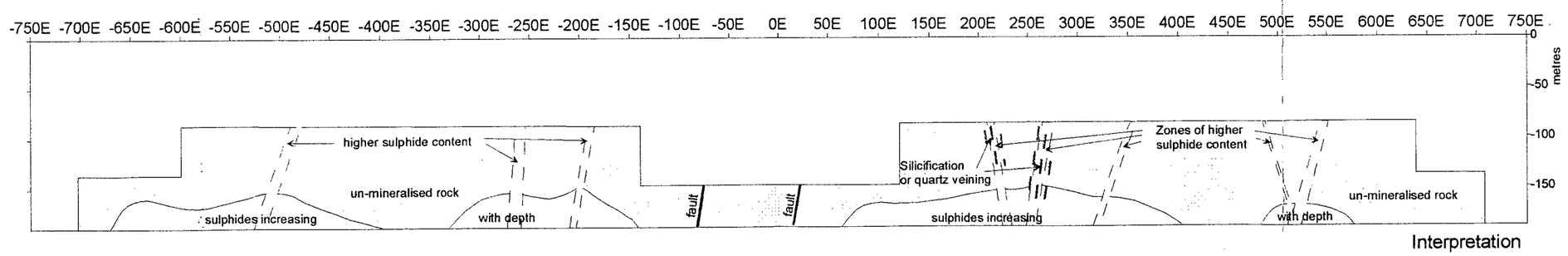
Flagstaff GeoConsultants Hugh Rutter, July 1999



Chargeability (mV/V)



Apparent resistivity (ohm.m)



Interpretation

Scale 1: 5,000

0 100 200 300 400 500 metres

Field data acquired by Quantec IP Inc.

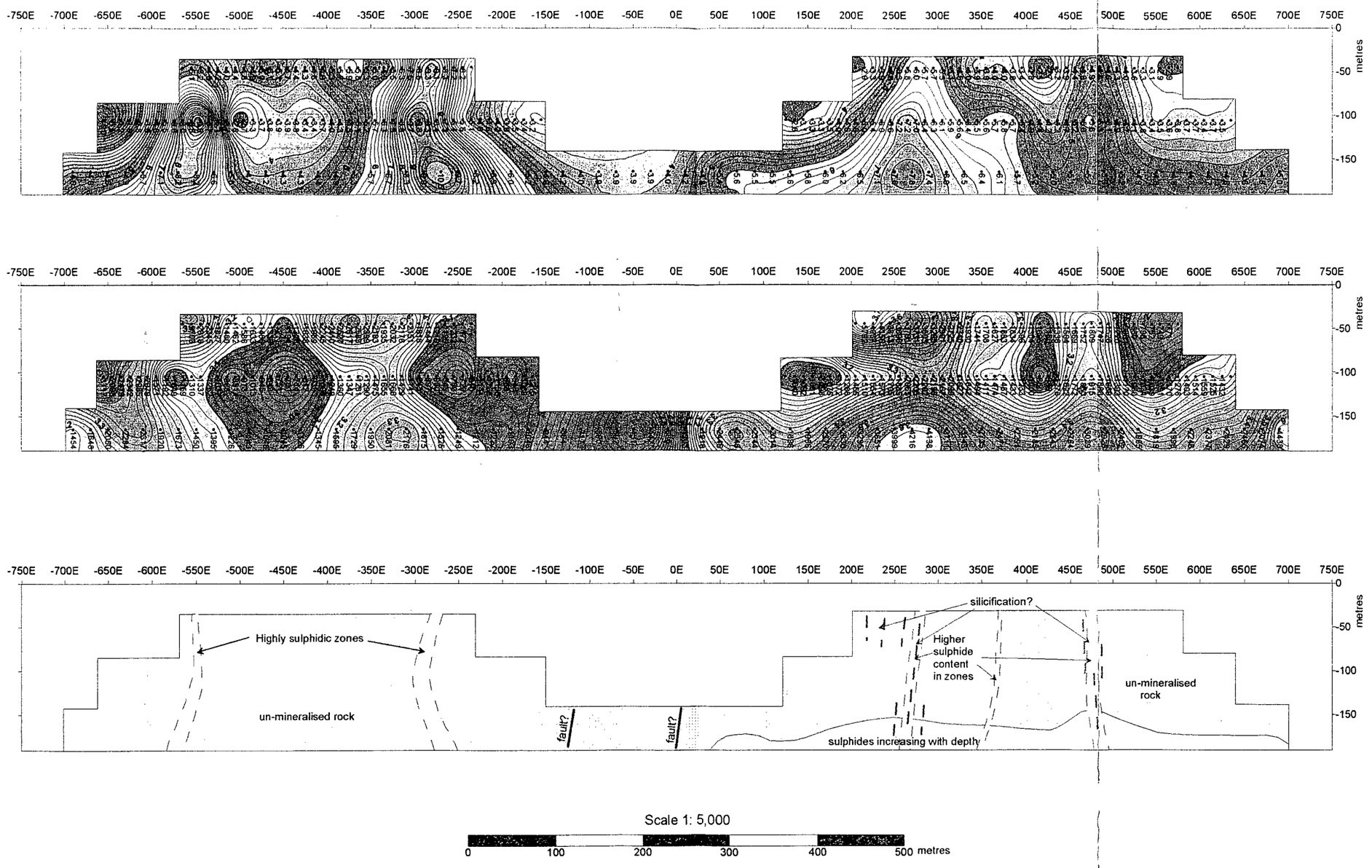
Smoothed using a linear 5 point weighted moving filter

BARRAMUNDI GOLD · LTD

Long Line Property
Figure 21
Line 800S
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

800Sint.srf

Flagstaff GeoConsultants Hugh Rutter, July 1999



Field data acquired by Quantec IP Inc.

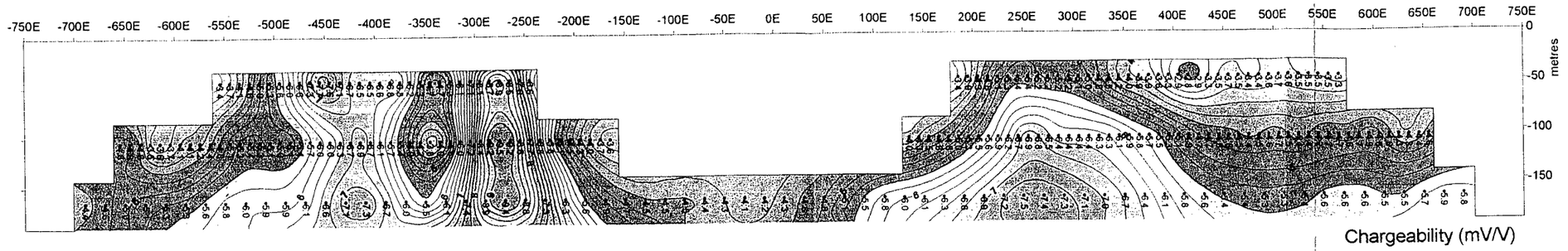
Smoothed using a linear 5 point weighted moving filter

900Sint.srf

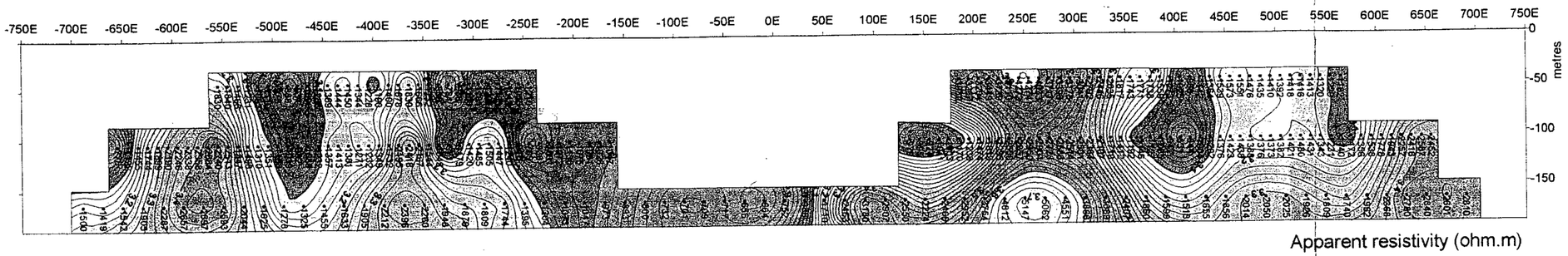
BARRAMUNDI GOLD·LTD

Long Line Property
Figure 22
Line 900S
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

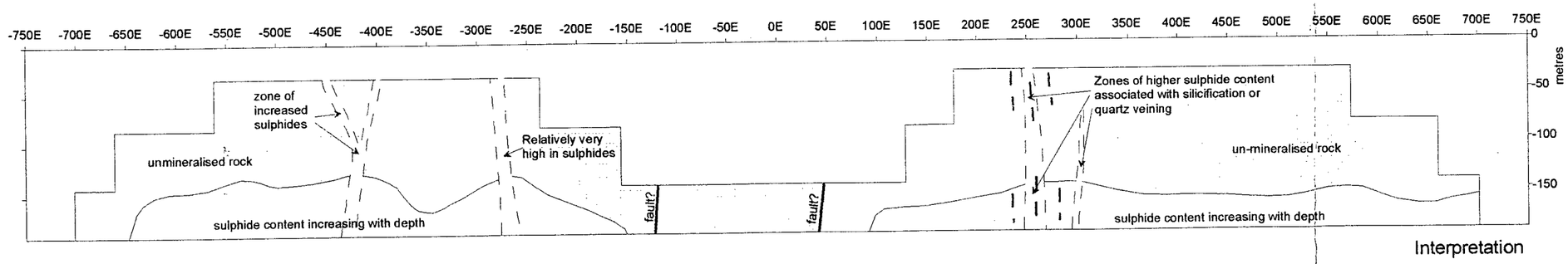
Flagstaff GeoConsultants Hugh Rutter, July 1999



Chargeability (mV/V)



Apparent resistivity (ohm.m)



Interpretation

Scale 1: 5,000

0 100 200 300 400 500 metres

Field data acquired by Quantec IP Inc.

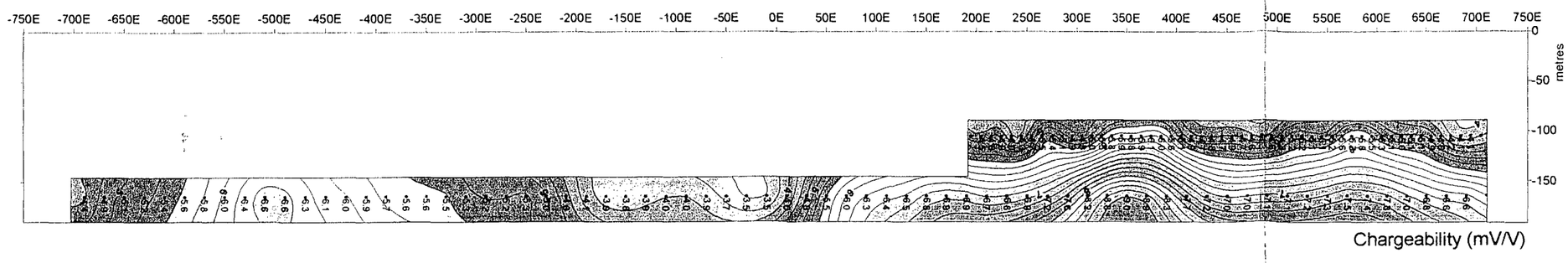
Smoothed using a linear 5 point weighted moving filter

1000Sint.srf

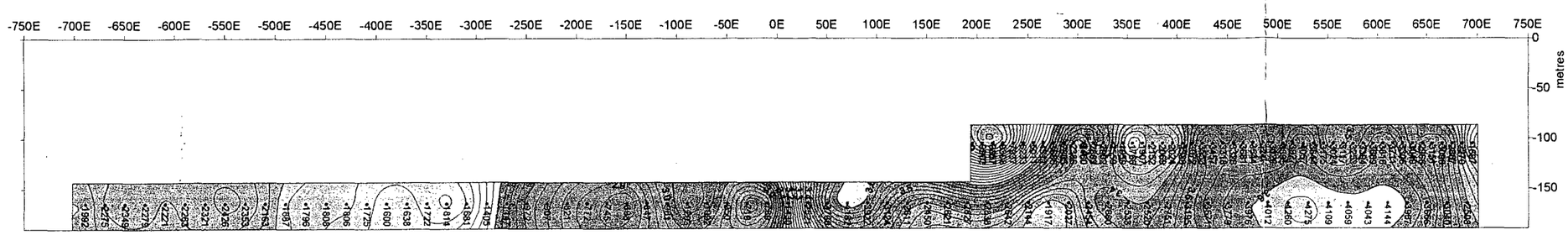
BARRAMUNDI GOLD · LTD

Long Line Property
Figure 23
Line 1,000S
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

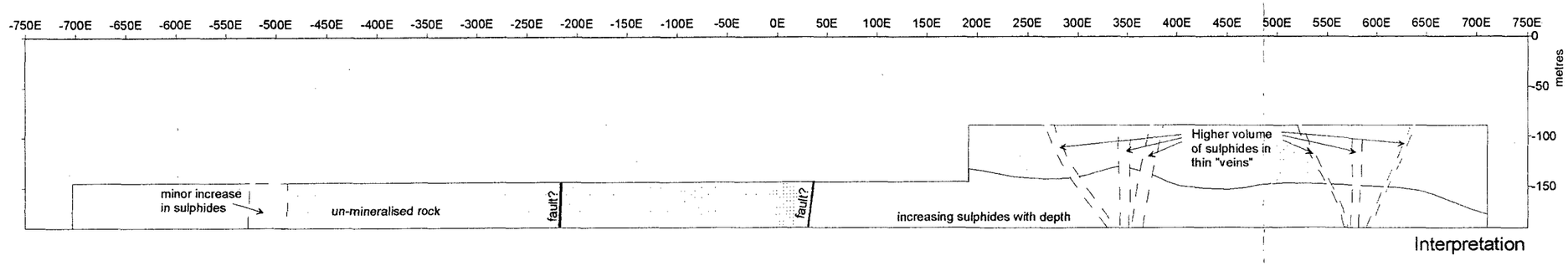
Flagstaff GeoConsultants Hugh Rutter, July 1999



Chargeability (mV/V)



Apparent resistivity (ohm.m)



Interpretation

Scale 1: 5,000

0 100 200 300 400 500 metres

Field data acquired by Quantec IP Inc.

Smoothed using a linear 5 point weighted moving filter

1100Sint.srf

BARRAMUNDI GOLD·LTD

Long Line Property
Figure 24
Line 1,100S
Real Section: Interpretation of Apparent resistivity and Chargeability (Based on smoothed data)

Flagstaff GeoConsultants Hugh Rutter, July 1999

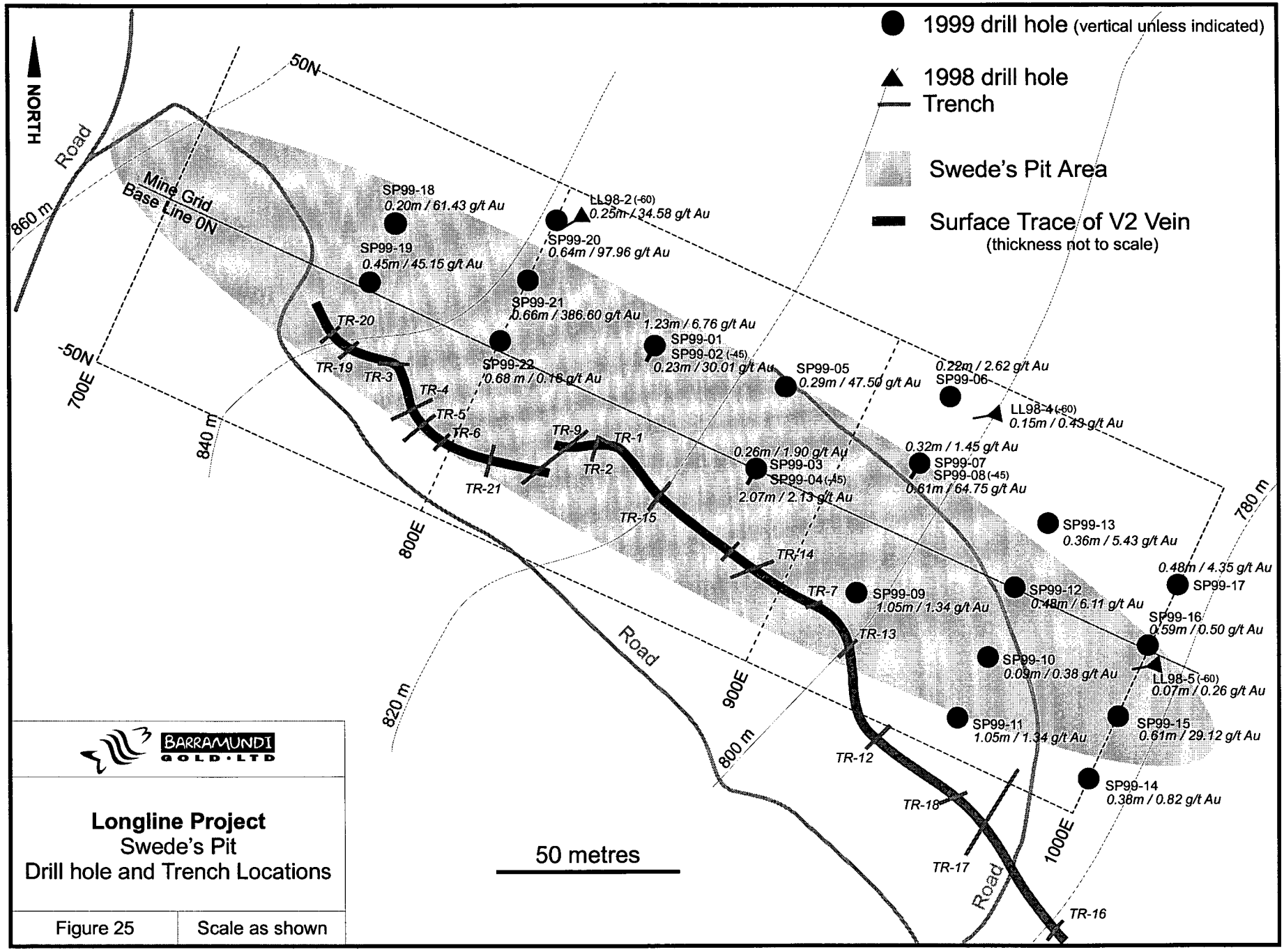
10.2 Trenching and Surface Sampling

In general, trenched exposures of the V1, V3, and SC-1 veins are steep faces along their strike lengths. These exposures were refaced with a Caterpillar 225 excavator, detailed with hand tools, and mapped at 1:25 scale. Channel or panel samples of the veins and associated alteration were taken at intervals of 5 to 8 metres along the length of the faces. Selected grab samples of distinct geological features were also collected in order to pinpoint where gold is located and concentrated. Sample descriptions and assays are highlighted in **Appendices 8 and 10** respectively.

The average gold grade from 21 samples of the V1 vein is 27.10 g/T. The average vein thickness at these sample sites was 22 cm. Along the exposed length of V3, the average gold grade of 21 vein samples is 51.40 g/T. These samples were from veins with a average thickness of 21 cm, but at several sites, upper and lower vein limbs were sampled separately and sample widths were recorded separately, such that the average thickness of the V3 vein system (not including the alteration envelope) is in fact greater than 21 cm. Four samples of the SC-1 vein gave an average gold grade of 4.52 g/T across an average vein width of 22 cm

Locations of the 18 trenches on the V2 vein system are indicated on **Figure 25**. At least one channel (or panel) sample or a sample string was collected across the full width of the V2 vein in each exposure, except in Trench 17 where vein material was not located. Particularly in the earlier phase of sampling, geological samples were taken in order to identify the location of gold mineralization (i.e. vein only versus immediate vein margin versus more distal alteration envelope. Complete results of Au and Ag assays are reported in **Appendix 8**.

At least two distinct structures post-date the veins. The V2 vein is locally thickened or stacked (2- or 3-fold) by dominantly brittle thrust faults. Steep south to south-west trending brittle faults cut the veins, with the north-west segments in most cases downdropped several decimetres to several metres. Along both types of brittle post-vein fault zones, and within some minor folds associated with the thrusts, the V2 vein is shattered and pulverized.



BARRAMUNDI GOLD·LTD

Longline Project
Swede's Pit
Drill hole and Trench Locations

Figure 25	Scale as shown

The average Au assay from 27 trench channel samples or sample strings through veins and alteration zones in the Swede's Pit trenches is 23.48 g/t across an average true width of 50 centimetres.

Excluding four samples of clay-rich vein margins (i.e samples 403709 and 403712 in TR-1 assaying 5.67 g/t and 170.62 g/t respectively; sample 403714 in TR-2 assaying 150.72 g/t; sample 403726 in TR-4 assaying 0.52 g/t) and one sample of silicified and veined granodiorite (sample 403713 in TR-2 returning 1.90 g/t), the average gold grade of altered granodiorite wallrock in 33 trench samples from V2 is 3.13 g/t, with 9 assays greater than 1 g/t. Removal of 2 additional samples that contain vein margin material (samples 403901 and 403903 in TR-12, assaying 58.52 g/t and 22.34 g/t respectively) gives an average of 0.72 g/t Au for 31 alteration samples. In this portion of TR-12, shattered and oxidized vein and margin material contains loose grains of visible gold. What the sampling and assaying is showing is that the bulk of the gold is in the vein or situated at the vein-wallrock contact. There is little dissemination into the bounding host rocks.

10.3 Delineation Diamond Drilling in "Swede's Pit"

Twenty-two (22) holes totalling 553.23 m were drilled on a 20 x 40 m grid pattern from May 22nd to June 5th 1999. All holes were drilled vertically except where difficult topography required stepbacks and inclined drilling. Drilling statistics are summarized in **Table 5.**

Table 5. Swede's Pit delineation drilling summary (mine grid coordinates).

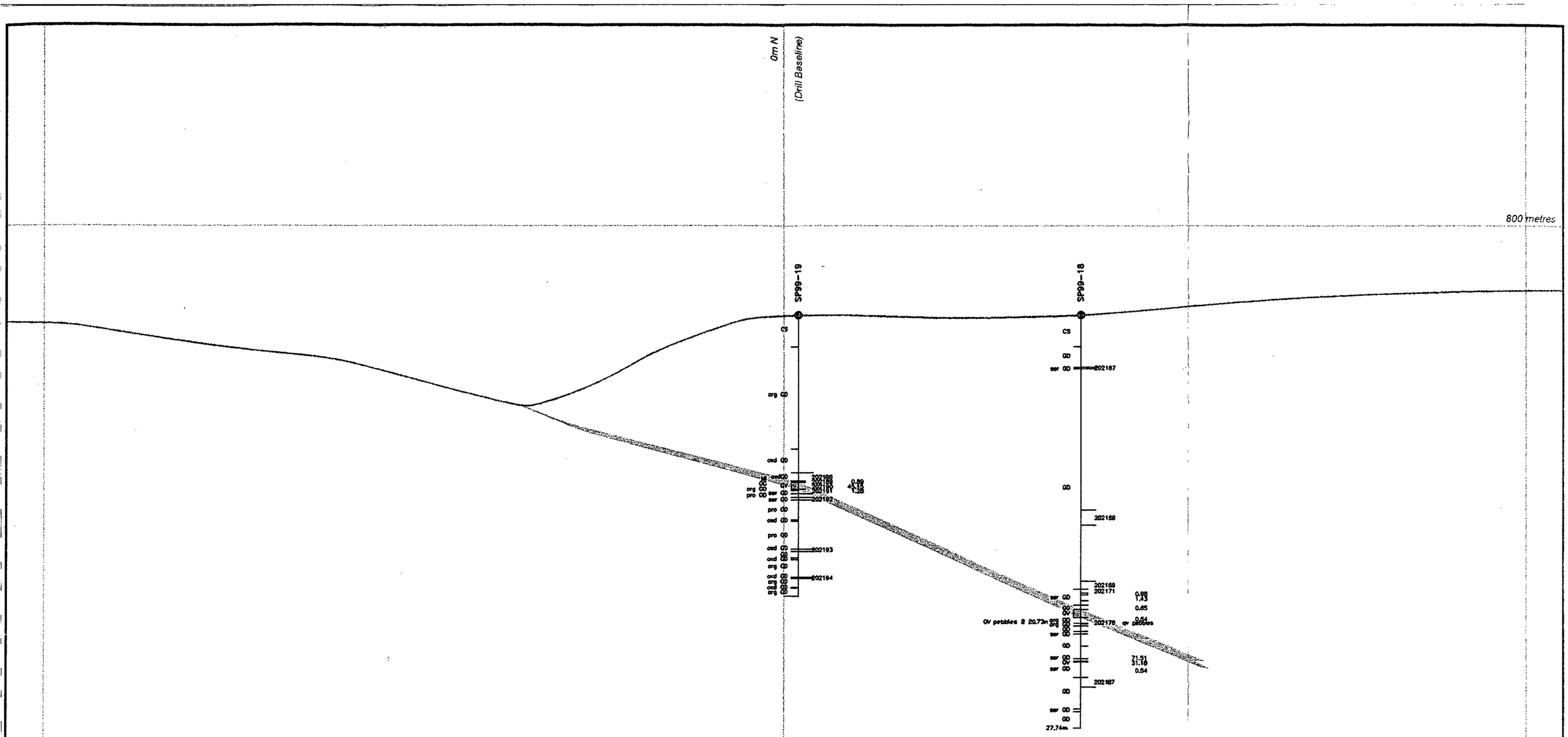
Hole #	Collar					Length (m)
	Northing (m)	Easting (m)	Elev. (m)	Az. (°N)	Dip	
SP99-1	20	839	825	360	90	25.30
SP99-2	19	839	825	205	45	26.21
SP99-3	0	880	811	360	90	22.25
SP99-4	-1	880	811	205	45	21.34
SP99-5	20	880	815	360	90	29.26
SP99-6	40	920	803	360	90	34.44
SP99-7	20	920	803	360	90	28.35
SP99-8	19	920	803	205	45	32.31

SP99-9	-20	920	793	360	90	8.53
SP99-10	-20	960	792	360	90	17.68
SP99-11	-40	960	792	360	90	13.11
SP99-12	0	960	794	360	90	23.77
SP99-13	20	956	797	360	90	29.87
SP99-14	-40	1000	786	360	90	18.90
SP99-15	-20	1000	782	360	90	21.95
SP99-16	0	1000	783	360	90	28.35
SP99-17	20	1000	784	360	90	34.44
SP99-18	20	760	844	360	90	27.74
SP99-19	1	763	843	205	90	18.90
SP99-20	40	800	835	360	90	37.19
SP99-21	21	802	835	360	90	28.35
SP99-22	3	800	833	360	90	24.99

The V2 vein system was intersected near the expected depth in 20 of 22 drill holes. Partially interpreted sections are presented in **Figures 26-32**, and geological drill logs are compiled in **Appendix 9**.

All drill holes cut through variably weathered granodiorite before intersecting the V2 vein horizon and it's alteration margins. Altered granodiorite and quartz vein margins were marked by very poor core recovery, however core recovery generally improved over the course of the program due to modifications in drilling techniques. Due to the poor recovery, vein thickness measurements are logically estimated, and the integrity of the assays through the V2 zone are viewed as minimum assays since the material commonly not recovered (i.e. the vein margin) is known to be an area where gold is concentrated. Complete Au and Ag assay results and multi-element ICP data are included in **Appendix 10**.

Sampling from the 22 holes and the trenches indicate that there may be 2 shallowly plunging gold-rich shoots within the V2 vein. Hole SP99-8 and trench TR-15 define one plunging shoot and hole SP99-21 and trench TR-19 define the other. The zones plunge at approximately 15-20°, and trend roughly 060-080°N. Identifying such "ore shoots" will be very important if the Swede's Pit area is mined on a small scale.



Scale

0 2 5 10

metres

Drill Hole #

Geology | Sample # | Hole Depth

Drill hole trace

Quartz vein

Lithology Key

Rock Types

CS	casing, overburden
AD	andesite dyke
AP	aplite dyke
BR	breccia
GD	granodiorite
GG	gouge, fault
PGD	porphyritic granodiorite
QV	quartz vein
MI	missing core

Alteration Types

arg	argillic (clay, Fe-oxide)
oxd	oxidized (weathered; Fe-oxide, clay)
phy	phyllic (sericite + silica)
pro	propylitic (chlorite + carbonate)
ser	sericitic
sil	silication (silica)

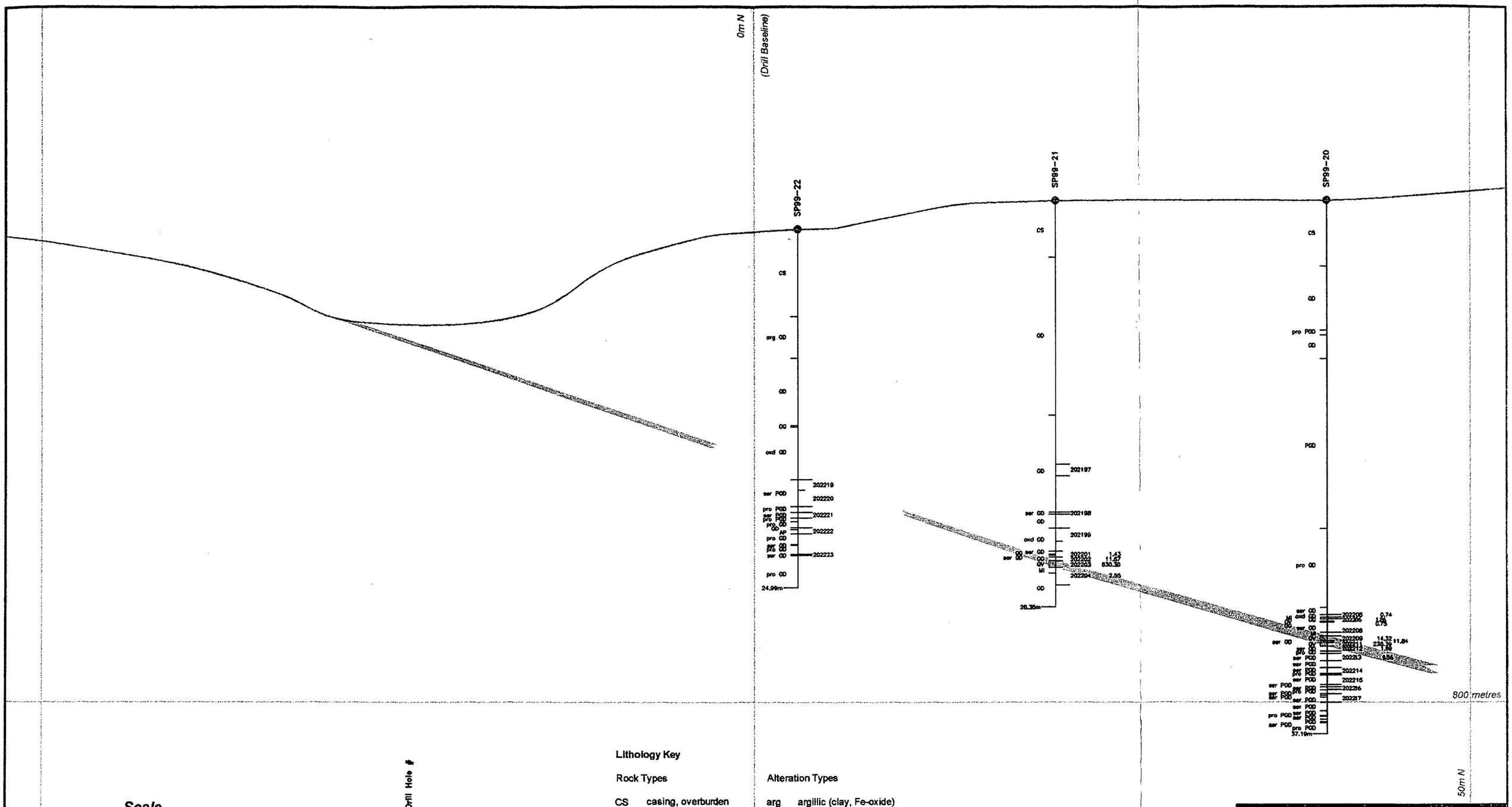
BARRAMUNDI GOLD • LTD

LONGLINE PROJECT

1999 SWEDE'S PIT DRILLING PROGRAM

SECTION 760E (MINE GRID)

Drawn By: PWC	Scale= 1 : 250
Date: January 31, 2000	Figure 26



Scale

0 2 5 10

metres

Drill Hole #

Geology | Sample #

Hole Depth

Drill hole trace

Quartz vein

Lithology Key

Rock Types

CS	casing, overburden
AD	andesite dyke
AP	aplite dyke
BR	breccia
GD	granodiorite
GG	gouge, fault
PGD	porphyritic granodiorite
QV	quartz vein
MI	missing core

Alteration Types

arg	argillic (clay, Fe-oxide)
oxd	oxidized (weathered; Fe-oxide, clay)
phy	phyllic (sericite + silica)
pro	propylitic (chlorite + carbonate)
ser	sericitic
sil	silication (silica)

BARRAMUNDI

GOLD • LTD

LONGLINE PROJECT

1999 SWEDE'S PIT DRILLING PROGRAM

SECTION 800E (MINE GRID)

Drawn By: PWC	Scale= 1 : 250
Date: January 31, 2000	Figure 27

0m N

(Drill Baseline)

SP99-2
SP99-1

202029
202032 2.36
6.55
32.31
0.50
202036 0.36

25.30m

800 metres

50m N

50m S

Scale

0 2 5 10

metres

Drill Hole #

Geology Sample #

Hole Depth

Drill hole trace

Quartz vein

Lithology Key

Rock Types

CS	casing, overburden
AD	andesite dyke
AP	aplite dyke
BR	breccia
GD	granodiorite
GG	gouge, fault
PGD	porphyritic granodiorite
QV	quartz vein
MI	missing core

Alteration Types

arg	argillic (clay, Fe-oxide)
oxd	oxidized (weathered; Fe-oxide, clay)
phy	phyllic (sericite + silica)
pro	propylitic (chlorite + carbonate)
ser	sericitic
sil	silication (silica)

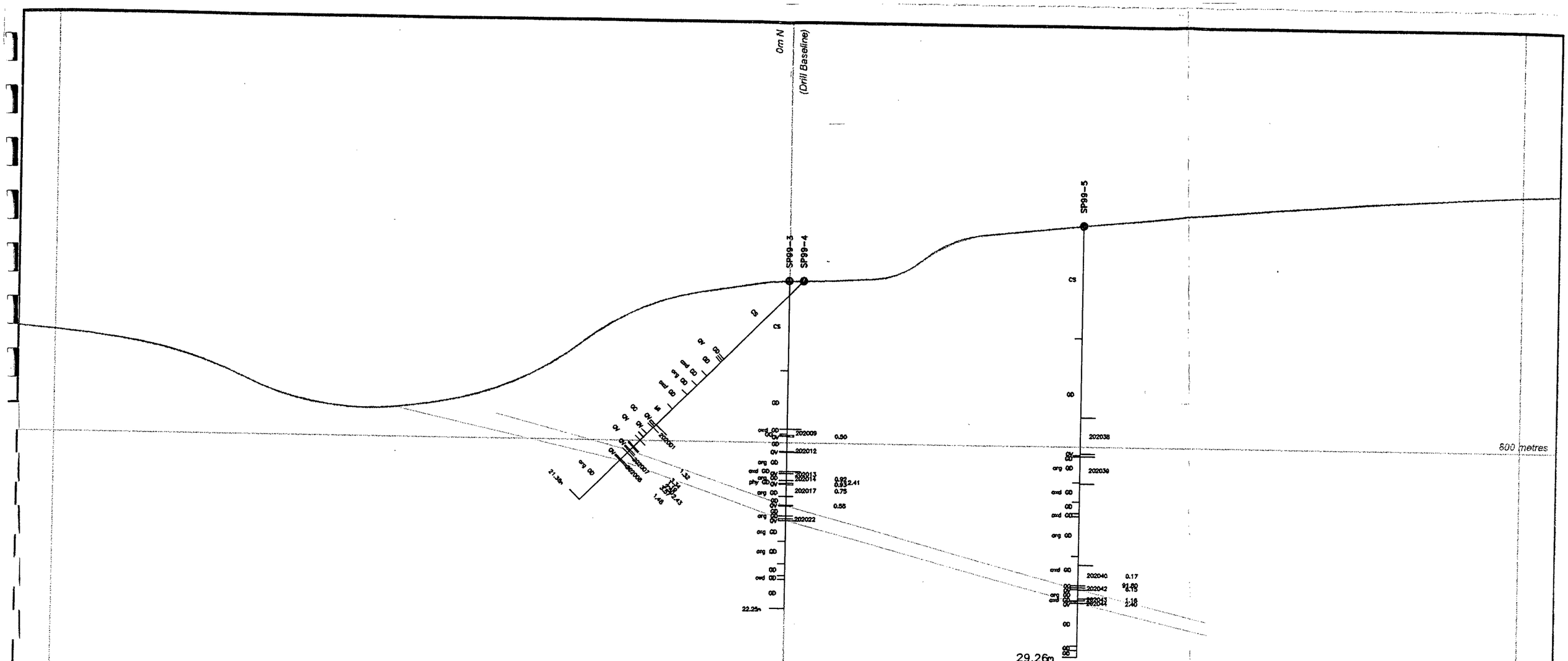
BARRAMUNDI GOLD • LTD

LONGLINE PROJECT

1999 SWEDE'S PIT DRILLING PROGRAM

SECTION 840E (MINE GRID)

Drawn By: PWC	Scale= 1 : 250
Date: January 31, 2000	Figure 28



Scale

0 2 5 10
metres

Drill Hole #
Geology | Sample #
Hole Depth

Drill hole trace

Quartz vein

Lithology Key

Rock Types

CS	casing, overburden
AD	andesite dyke
AP	aplite dyke
BR	breccia
GD	granodiorite
GG	gouge, fault
PGD	porphyritic granodiorite
QV	quartz vein
MI	missing core

Alteration Types

arg	argillic (clay, Fe-oxide)
oxd	oxidized (weathered; Fe-oxide, clay)
phy	phyllic (sericite + silica)
pro	propylitic (chlorite + carbonate)
ser	sericitic
sil	silication (silica)

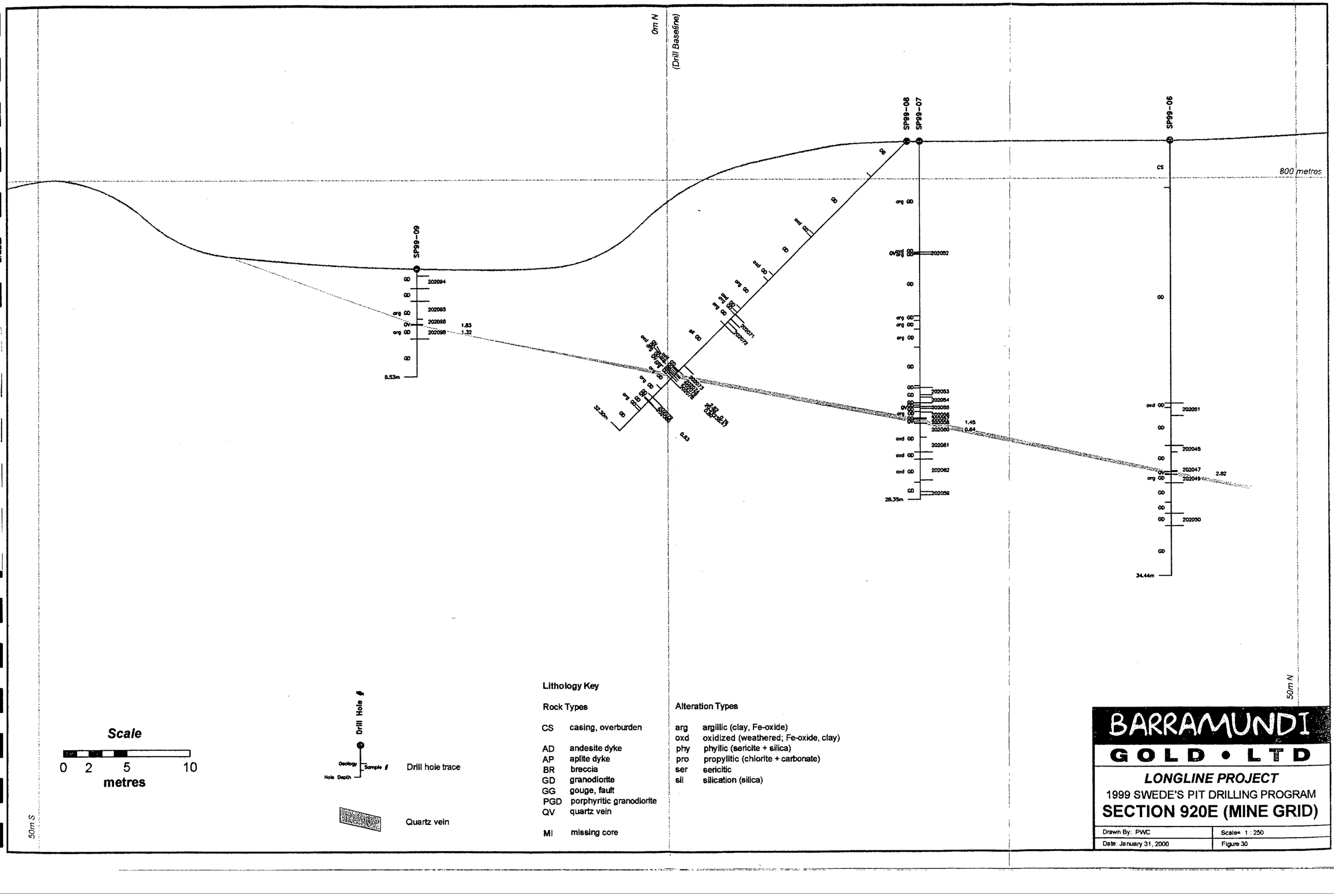
BARRAMUNDI
GOLD • LTD

LONGLINE PROJECT

1999 SWEDE'S PIT DRILLING PROGRAM

SECTION 880E (MINE GRID)

Drawn By: PWC	Scale= 1 : 250
Date: January 31, 2000	Figure 29



Scale

0 2 5 10

metres

Drill Hole #

Geology | Sample #

Hole Depth

Drill hole trace

Quartz vein

Lithology Key

Rock Types

CS	casing, overburden
AD	andesite dyke
AP	aplite dyke
BR	breccia
GD	granodiorite
GG	gouge, fault
PGD	porphyritic granodiorite
QV	quartz vein
MI	missing core

Alteration Types

arg	argillic (clay, Fe-oxide)
oxd	oxidized (weathered; Fe-oxide, clay)
phy	phyllic (sericite + silica)
pro	propylitic (chlorite + carbonate)
ser	sericitic
sil	silication (silica)

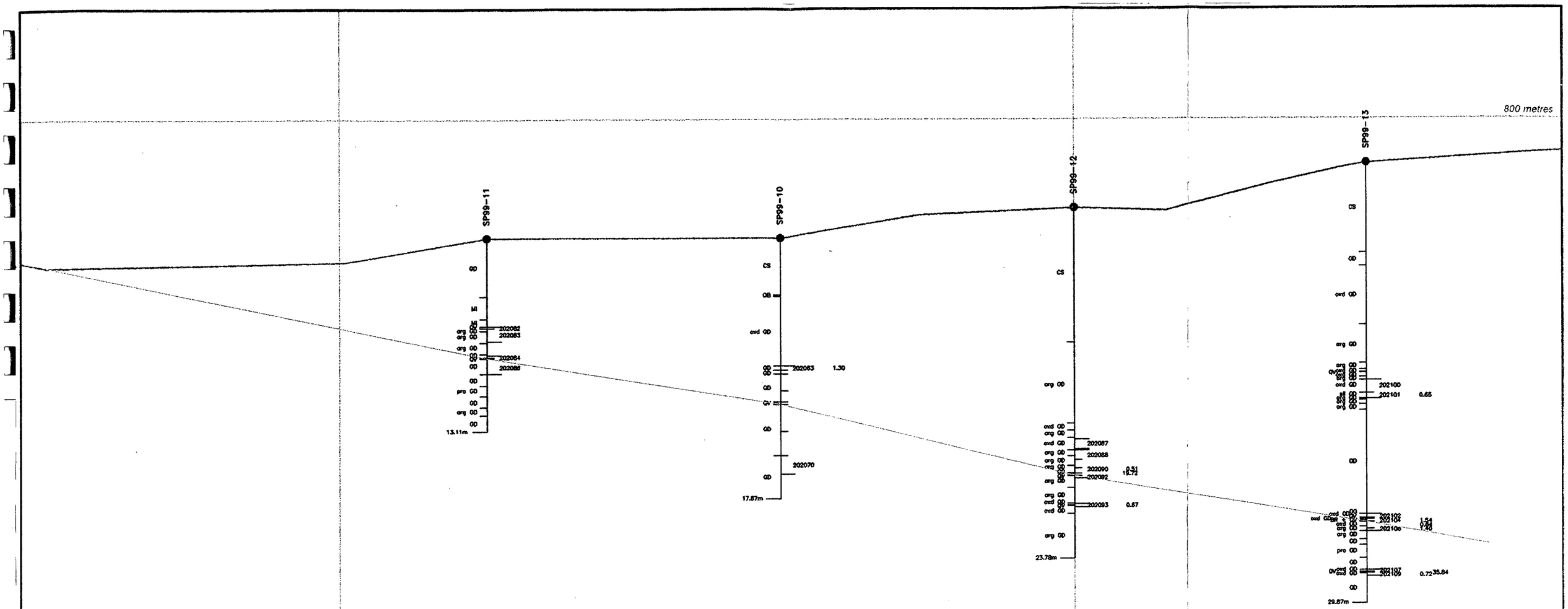
BARRAMUNDI GOLD • LTD

LONGLINE PROJECT

1999 SWEDE'S PIT DRILLING PROGRAM

SECTION 920E (MINE GRID)

Drawn By: PWC	Scale= 1 : 250
Date: January 31, 2000	Figure 30



Scale

0 2 5 10

metres

Drill Hole #

Geology | Sample # | Hole Depth

Drill hole trace

Quartz vein

Lithology Key

Rock Types		Alteration Types	
CS	casing, overburden	arg	argillic (clay, Fe-oxide)
		oxd	oxidized (weathered; Fe-oxide, clay)
AD	andesite dyke	phy	phyllic (sericite + silica)
AP	aplite dyke	pro	propylitic (chlorite + carbonate)
BR	breccia	ser	sericitic
GD	granodiorite	sil	silication (silica)
GG	gouge, fault		
PGD	porphyritic granodiorite		
QV	quartz vein		
MI	missing core		

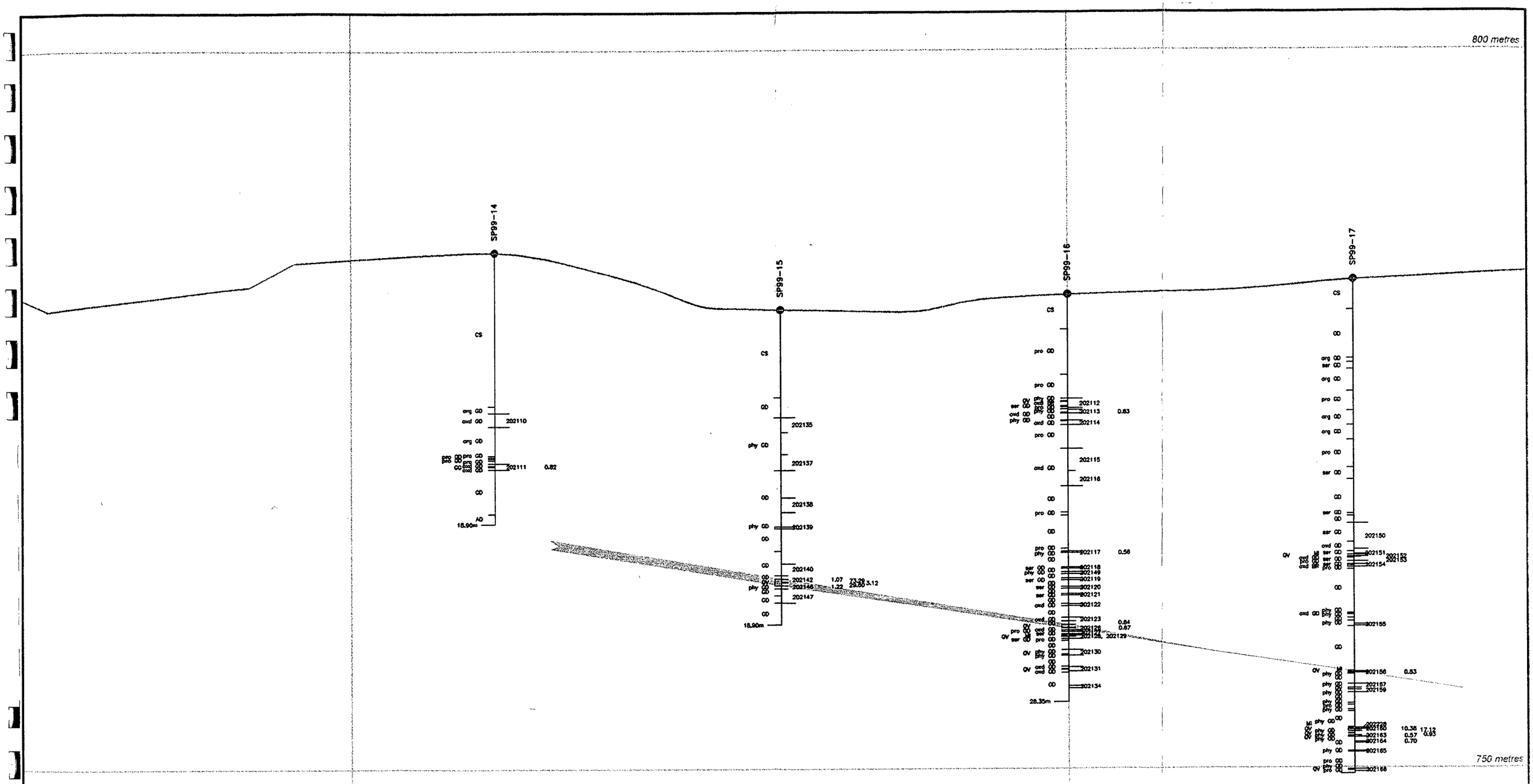
BARRAMUNDI GOLD • LTD

LONGLINE PROJECT

1999 SWEDE'S PIT DRILLING PROGRAM

SECTION 960E (MINE GRID)

Drawn By: PWC	Scale= 1 : 250
Date: January 31, 2000	Figure 31



Scale

0 2 5 10
metres

Drill Hole #
Geology Sample #
Hole Depth

Drill hole trace

Quartz vein

Lithology Key

Rock Types		Alteration Types	
CS	casing, overburden	arg	argillic (clay, Fe-oxide)
AD	andesite dyke	oxd	oxidized (weathered; Fe-oxide, clay)
AP	aplite dyke	phy	phyllic (sericite + silica)
BR	breccia	pro	propylitic (chlorite + carbonate)
GD	granodiorite	ser	sericitic
GG	gouge, fault	sil	silication (silica)
PGD	porphyritic granodiorite		
QV	quartz vein		
MI	missing core		

BARRAMUNDI
GOLD • LTD

LONGLINE PROJECT

1999 SWEDE'S PIT DRILLING PROGRAM

SECTION 1000E (MINE GRID)

Drawn By: PWC	Scale= 1 : 250
Date: January 31, 2000	Figure 32

The arithmetic average of uncut assays from 22 samples or sample strings through veins and/or alteration zones from the 1999 delineation drilling program is 33.98 g/t Au. The average true width of these drill intersections (vein and alteration) is 0.69m. The uncut weighted average through vein and immediately adjacent wallrock for the 20 vein intersections is 25.11 g/t over 0.77m. This weighted average is more in line with what has been sampled from surface exposures and trenches.

11 EXPLORATION DIAMOND DRILLING

11.1 Introduction

In September 1999, 21 drill targets were identified and selected by interpretation of IP sections and Au-As grid soil geochemistry data. From 13 September to 8 October, 12 holes widely spaced exploration diamond drill holes totalling 2095.12m were completed **(Plate 1 and Table 6)**. The holes were spotted to test both soil geochemical anomalies (As ± Au) and geophysical (IP and resistivity highs) anomalies, or a combination of the two. No purely geological targets were drilled, however, since little was known about the geology underlying these geochemical and geophysical anomalies, all 12 holes provided valuable insight into the local geology.

Core samples from the regional drilling program were sent to Chemex Labs in Vancouver for Au and multi-element analyses. The core samples were initially crushed to –10 mesh (2mm), then a representative split from each crushed sample was pulverized to –150 mesh (106 microns). A 30g sample of the pulverized split is then fire assayed and the resultant gold bead analysed using atomic absorption techniques. Additional pulverized sample is then dissolved in an aqua-regia leach and analysed for 37 different elements using an induced coupled plasma mass-spectrometry package.

A total of 715 core samples were submitted for Au and multi-element analyses, including 42 sample standards submitted for quality control. A 30g sample split was taken from each sample (core and standard) for fire assay with an atomic absorption finish. Sample splits from the core samples only were then subjected to an ultratrace 36 element ICP-MS package, using an aqua-regia leach. All results are listed in **Appendix 11**.

Table 6. Drill collar information for exploration drill holes.

Hole #	Orientation	Length (m)	Grid Location	Target Type
LL99-1	270°N/-70°	221.95	L600N, 425E	IP
LL99-2	090°N/-70°	220.73	L1000N, 270E	IP
LL99-3	270°N/-60°	99.70	L800N, 165E	As soil
LL99-4	270°N/-70°	253.05	L100S, 600E	Au soil, IP
LL99-5	090°N/-70°	105.79	L800N, 200E	As-Au soil
LL99-6	270°N/-70°	105.79	L800N, 343E	As-Au soil
LL99-7	270°N/-70°	106.71	L100S, 650W	Au soil
LL99-8	270°N/-70°	222.56	L900S, 200W	IP
LL99-9	270°N/-70°	160.06	L700N, 200E	As-Au soil
LL99-10	285°N/-70°	131.10	L1000S, 300W	IP, Au-soil
LL99-11	270°N/-60°	251.22	L800N, 490E	As-Au soil, IP
LL99-12	270°N/-70°	216.46	L500S, 300E	IP

11.2 Results

The rock types intersected in the drill holes are what were anticipated based on the limited surface exposures, with a few surprises: a local increase in the volume of mafic dyking, and the presence of abundant sericite-quartz-sulphide ± Fe-carbonate alteration. The dominant lithology is a mottled grey to blue-grey, coarse-grained hornblende (± biotite) granodiorite (HGD). It is weathered and commonly oxidixed down to a depth of 15-20m, however these depths are variable. The HGD is cut by lesser volumes of dark green-grey to black, locally porphyritic mafic to andesitic dykes (MD and AD) as well as grey, locally foliated to feldspar and quartz porphyritic quartz diorite to granodiorite (FLD). Included in the FLD are minor amounts of felsic dykes, locally biotite porphyritic. Crosscutting relationships show the HGD cut by FLD, both of which are cut by MD.

Two high-grade quartz veins were intersected on the western portion of the grid (see **Table 7**). The veins assayed 45.70 g/t over 0.20m from hole LL99-4 and 17.21 g/t over 0.20m from hole LL99-7. These two drill holes were sited to test a surface geochemical soil anomaly and a deeper moderately high chargeability response. In addition to the high-grade vein mineralization are numerous zones of quartz-sericite-sulphide (± Fe-carbonate) phyllic alteration over width ranging between 0.10m and 0.20m. These alteration zones typically assays between 100 and 300 ppb gold, but individual zones have assayed as high as 2.23 g/t over 1.00m from drill hole LL99-9 and 3.19 g/t over

0.27m from hole LL99-10. There is an average of 20 zones per hole with a high of 52 in drill hole LL99-10.

Table 7. Significant gold assays from the exploration drilling program.

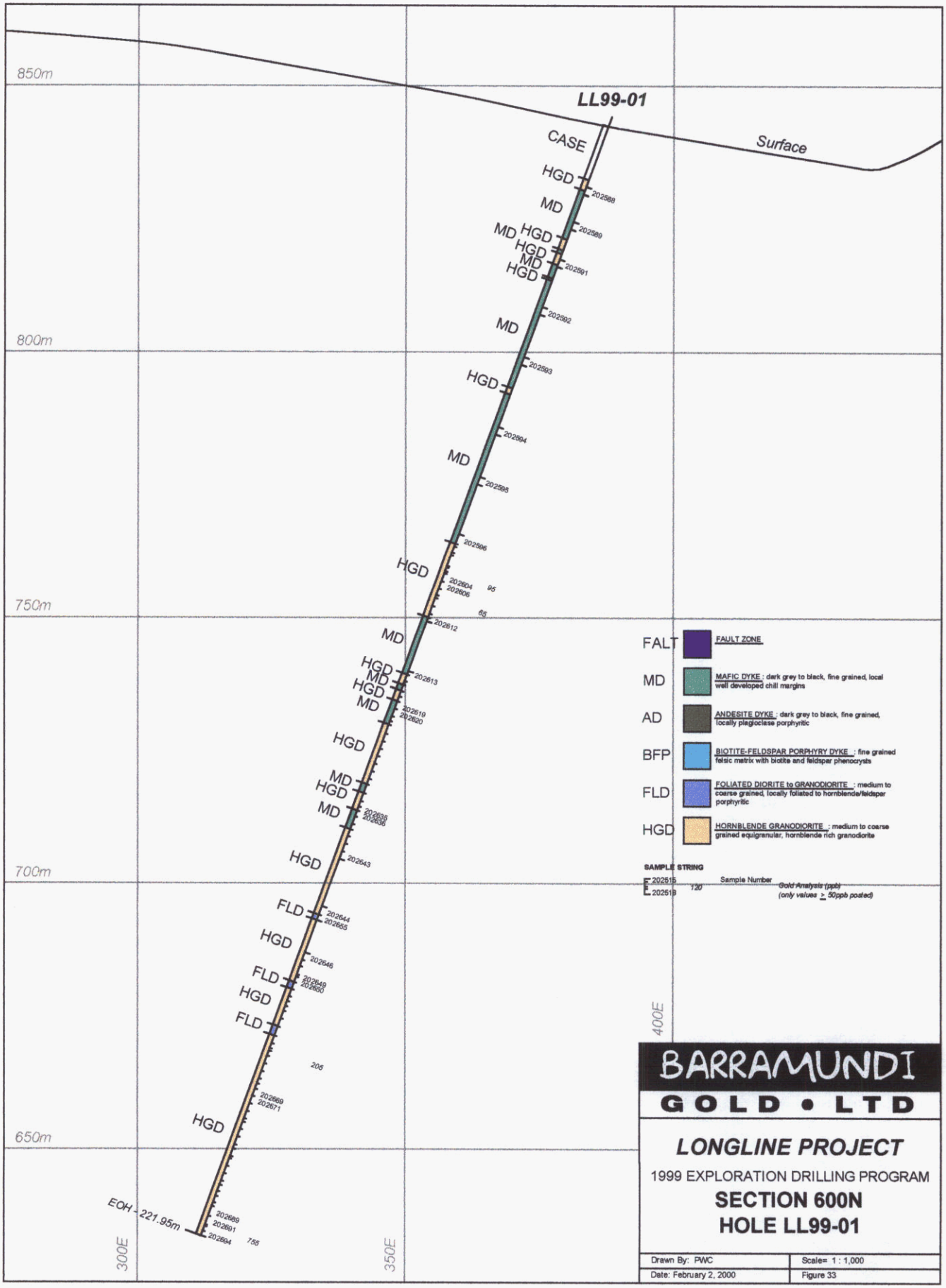
Hole #	From (m)	To (m)	Interval (m)	Gold (g/tonne)
LL99-1	219.70	220.00	0.30	0.76
LL99-4	103.32	103.52	0.20	0.87
	234.20	234.40	0.20	45.70
LL99-6	30.15	30.35	0.20	1.25
LL99-7	79.54	79.74	0.20	17.21
LL99-9	34.50	35.70	1.20	0.60
	46.20	46.50	0.30	0.53
	72.10	72.50	0.40	0.80
	125.00	126.00	1.00	2.23
	134.10	134.30	0.20	0.95
LL99-10	12.75	13.00	0.25	0.77
	13.00	13.20	0.20	1.22
	53.66	53.93	0.27	3.19
	103.02	103.22	0.20	0.57
LL99-11	178.20	178.50	0.30	0.98
LL99-12	21.96	22.16	0.20	1.16

Hole LL99-1

Hole LL99-1 (**Figure 33**) is located on L6N in the east-central portion of the grid adjacent to Swamp Creek. The hole was drilled to test an IP conductor that was interpreted to situated at a depth of 150m.

This drill hole intersected a significant volume of MD (~80%) in the upper 120m, followed by predominantly HGD cut by FLD. The MD are interpreted to be relatively flat-lying, dipping slightly to the west. FLD are also interpreted to be dipping moderately to the west based on contact measurements.

The HGD in the lower section of the hole is locally contains phyllic alteration zones haloing fractures, commonly with a thin (0.1 to 1.0 cm) quartz or quartz-calcite veinlet


850m
800m
750m
700m
650m
LL99-01
CASE
Surface
EOH - 221.95m
300E
350E
400E
FALT FAULT ZONE
MD MAFIC DYKE : dark grey to black, fine grained, local well developed chill margins
AD ANDESITE DYKE : dark grey to black, fine grained, locally plagioclase porphyritic
BFP BIOTITE-FELDSPAR PORPHYRY DYKE : fine grained felsic matrix with biotite and feldspar phenocrysts
FLD FOLIATED DIORITE to GRANODIORITE : medium to coarse grained, locally foliated to hornblende/feldspar porphyritic
HGD HORNBLENDE GRANODIORITE : medium to coarse grained equigranular, hornblende rich granodiorite
SAMPLE STRING
202515
202519
120
Sample Number
Gold Analysis (ppb)
(only values ≥ 50ppb posted)
BARRAMUNDI
GOLD • LTD
LONGLINE PROJECT
1999 EXPLORATION DRILLING PROGRAM
SECTION 600N
HOLE LL99-01
Drawn By: PWC
Date: February 2, 2000
Scale= 1 : 1,000
Figure 33

filling the fracture. The highest assay was 0.76 g/T over 0.30m from a phyllic alteration zone from 219.70m to 220.00m.

Hole LL99-2

Drill hole LL99-2 (**Figure 34**) is one of four holes drill along a fence on L8N, testing a large surface gold and arsenic geochemical anomaly

The hole cut through a mixed sequence of HGD cut by several thin (1-10m) dykes, all of which are cut by two fault zones. The fault zones occur in the top third of the hole, are a few metres in width, and are separated by 15m of HGD. Both fault zones are within MD material and are rich with clay and carbonate.

Below the fault zones is 27m interval of HGD followed by an almost 60m section containing approximately 50% MD intruding HGD. To the end of the hole is then almost exclusively HGD.

There is minimal alteration throughout most of the hole, however in and around the fault zones is patchy to strong carbonate and chlorite alteration. Within the more altered portions of the HGD are occasional thin zones of phyllic alteration. The highest assay found in this hole is from phyllic altered HGD, returning 0.38 g/t over 0.20m.

Hole LL99-3

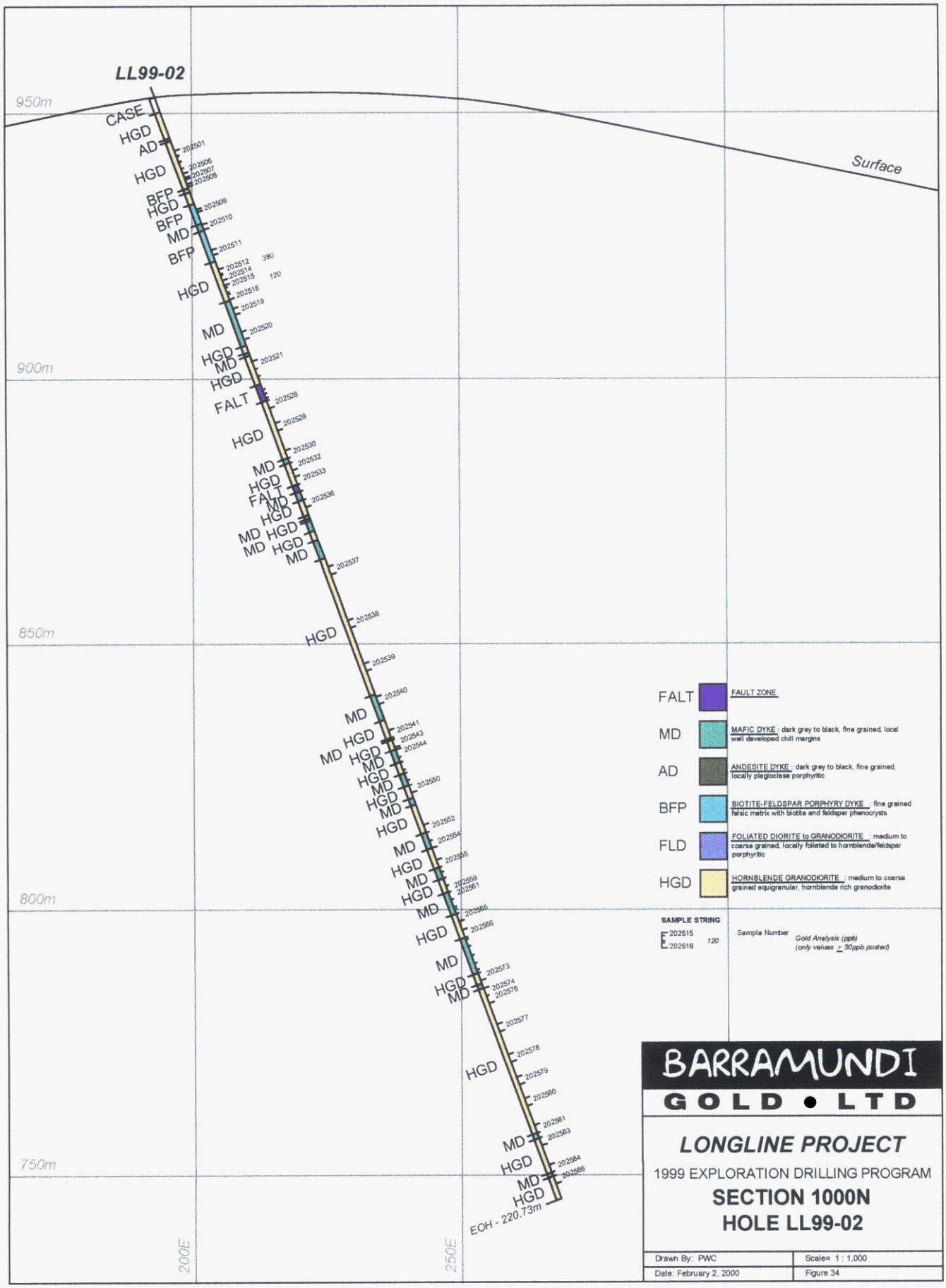
This hole is the most northernmost of all 12 drill holes. It was collared on a soil arsenic geochemical anomaly on L10N.

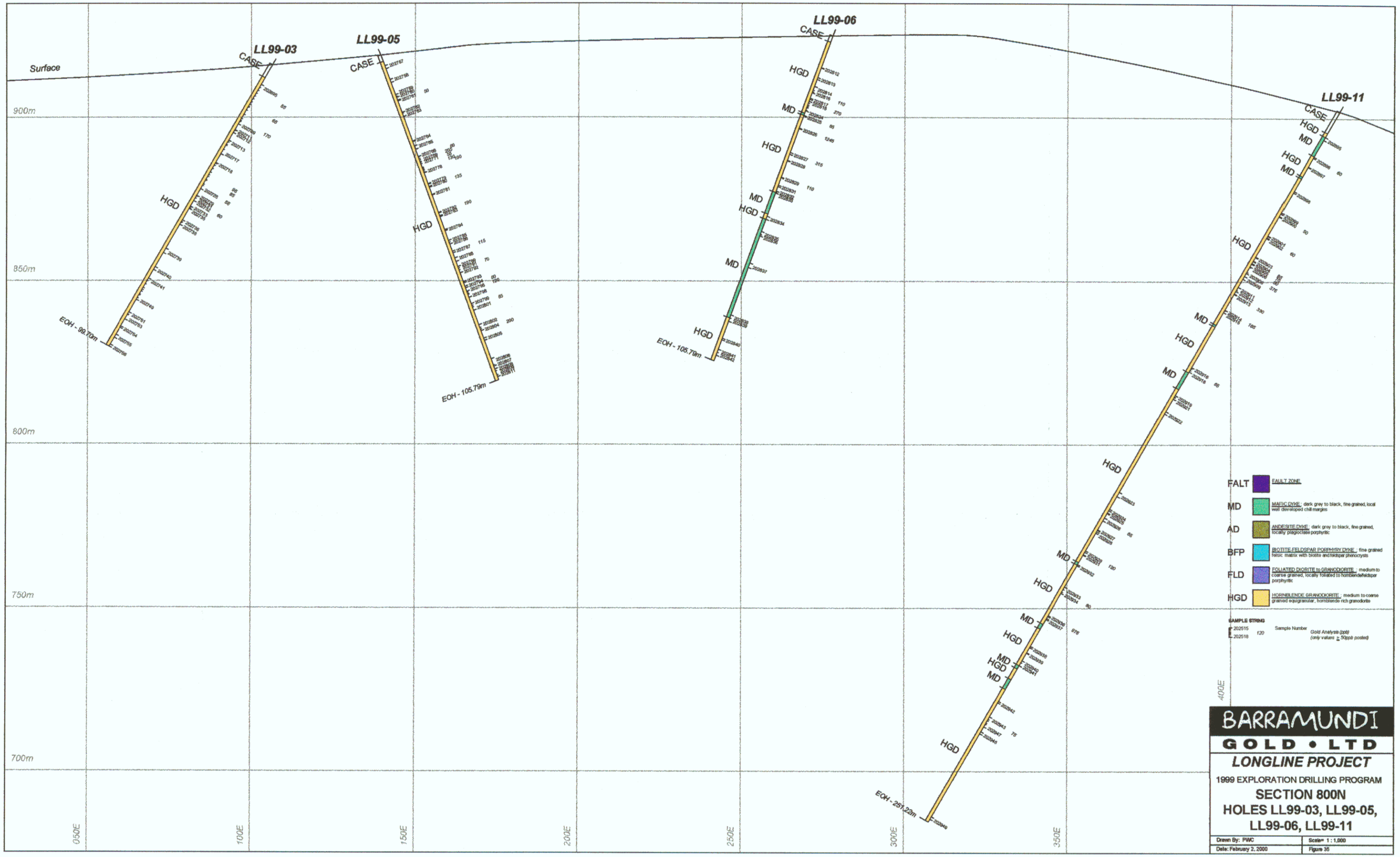
Hole LL99-3 (**Figure 35**) drilled entirely through relatively fresh, but locally alter HGD. The top half of the hole, down to approximately 50m, contained several 10-20 cm wide intervals of phyllic alteration, most of which contain anomalous gold up to ~170 ppb and up to 0.8% arsenic.

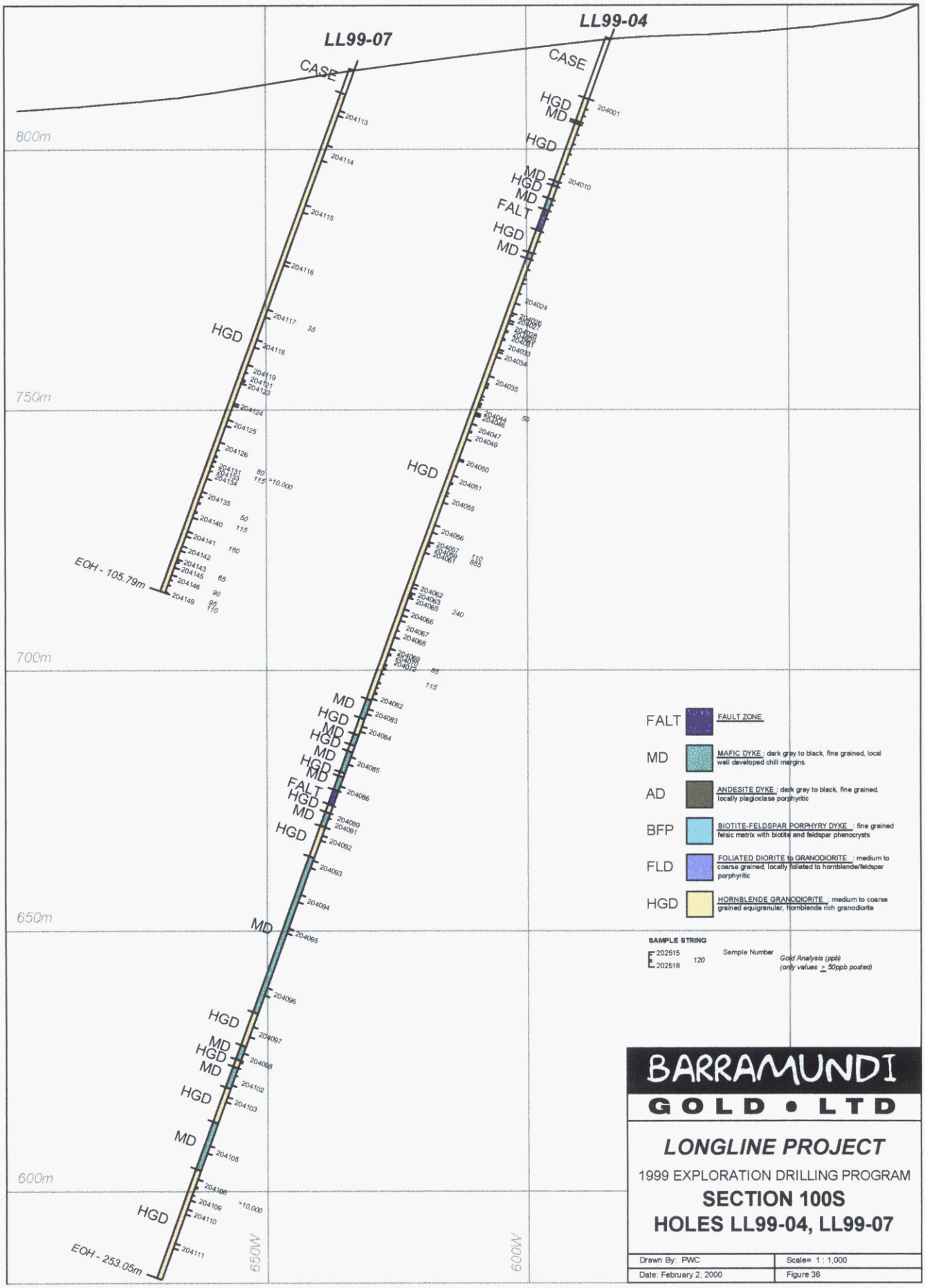
Hole LL99-4

Hole LL99-4 (**Figure 36**) was drilled on L1S and was designed to test a surface geochemical gold anomaly as well as a deeper IP anomaly at approximately 150m.

The hole intersected predominantly fresh HGD with a significant quantity of MD (~20% total volume overall) in the lower portion of the hole. A fault zone occurs within MD over approximately 7m at a down-hole depth of 35m. Patchy to strong carbonate-chlorite


LL99-02
950m
900m
850m
800m
750m
Surface
CASE
HGD
AD
202501
202506
202507
202508
BFP
HGD
202509
BFP
202510
MD
BFP
202511
202512
202514
202515
380
120
HGD
202516
202519
MD
202520
HGD
MD
202521
HGD
FALT
202526
202529
HGD
202530
MD
202532
HGD
202533
FALT
MD
202536
HGD
MD
HGD
MD
HGD
MD
202537
202538
HGD
202539
202540
MD
202541
MD
HGD
202543
202544
HGD
MD
HGD
202550
MD
HGD
202552
HGD
202554
MD
HGD
202555
MD
202559
HGD
202561
MD
202565
HGD
202566
MD
202573
HGD
202574
MD
202576
202577
202578
HGD
202579
202580
202581
MD
202583
HGD
202584
MD
202586
HGD
EOH - 220.73m
200E
250E
FALT
FAULT ZONE
MD
MAFIC DYKE : dark grey to black, fine grained, local well developed chill margins
AD
ANDESITE DYKE : dark grey to black, fine grained, locally plagioclase porphyritic
BFP
BIOTITE-FELDSPAR PORPHYRY DYKE : fine grained felsic matrix with biotite and feldspar phenocrysts
FLD
FOLIATED DIORITE to GRANODIORITE : medium to coarse grained, locally foliated to hornblende/feldspar porphyritic
HGD
HORNBLENDE GRANODIORITE : medium to coarse grained equigranular, hornblende rich granodiorite
SAMPLE STRING
202515
202518
120
Sample Number
Gold Analysis (ppb)
(only values ≥ 50ppb posted)
BARRAMUNDI
GOLD • LTD
LONGLINE PROJECT
1999 EXPLORATION DRILLING PROGRAM
SECTION 1000N
HOLE LL99-02
Drawn By: PWC
Scale= 1 : 1,000
Date: February 2, 2000
Figure 34


Surface
900m
850m
800m
750m
700m
050E
100E
150E
200E
250E
300E
350E
400E
LL99-03
LL99-05
LL99-06
LL99-11
CASE
HGD
MD
EOH - 99.70m
EOH - 105.79m
EOH - 251.20m
FALT FAULT ZONE
MD MAFIC DYKE: dark grey to black, fine grained, local well developed chill margins
AD ANDESITE DYKE: dark grey to black, fine grained, locally plagioclase porphyritic
BFP BIOTITE-FELDSPAR PORPHYRY DYKE: fine grained felsic matrix with biotite and feldspar phenocrysts
FLD FOLIATED DIORITE to GRANODIORITE: medium to coarse grained, locally foliated to hornblende/feldspar porphyritic
HGD HORNBLENDE GRANODIORITE: medium to coarse grained equigranular, hornblende rich granodiorite
SAMPLE STRING
202515 120
202518
Sample Number
Gold Analysis (ppb)
(only values ≥ 50ppb posted)
BARRAMUNDI
GOLD • LTD
LONGLINE PROJECT
1999 EXPLORATION DRILLING PROGRAM
SECTION 800N
HOLES LL99-03, LL99-05,
LL99-06, LL99-11
Drawn By: PWC
Scale= 1 : 1,000
Date: February 2, 2000
Figure 35


LL99-07
LL99-04
CASE
CASE
800m
750m
700m
650m
600m
HGD
MD
FALT
EOH - 105.79m
EOH - 253.05m
>10,000
>10,000
FALT FAULT ZONE
MD MAFIC DYKE : dark grey to black, fine grained, local well developed chill margins
AD ANDESITE DYKE : dark grey to black, fine grained, locally plagioclase porphyritic
BFP BIOTITE-FELDSPAR PORPHYRY DYKE : fine grained felsic matrix with biotite and feldspar phenocrysts
FLD FOLIATED DIORITE to GRANODIORITE : medium to coarse grained, locally foliated to hornblende/feldspar porphyritic
HGD HORNBLENDE GRANODIORITE : medium to coarse grained equigranular, hornblende rich granodiorite
SAMPLE STRING
202515
202518
120
Sample Number
Gold Analysis (ppb)
(only values ≥ 50ppb posted)
BARRAMUNDI
GOLD • LTD
LONGLINE PROJECT
1999 EXPLORATION DRILLING PROGRAM
SECTION 100S
HOLES LL99-04, LL99-07
Drawn By: PWC
Scale= 1 : 1,000
Date: February 2, 2000
Figure 36

alteration is present in the fault zone and the upper 10m of HGD immediately below the fault.

Two gold-bearing quartz veins were intersected: a 3cm vein at 103.3m depth and 3 thin veins over 20cm at 234.2m. The 3cm vein was incorporated into a 20cm sample and returned 0.87 g/t gold and the deeper 20cm interval assayed 45.7 g/t.

Hole LL99-5

Hole LL99-5 (**Figure 35**) was the second of four holes drilled along L8N testing a surface geochemical gold and arsenic anomaly. This hole is located east of LL99-3.

This hole is similar to LL99-3 in that the entire hole consists of relatively fresh HGD that contains several thin zones of phyllic alteration. The phyllic zones are arsenic bearing and anomalous in gold. Assays commonly range between 0.1 and 0.3 g/t gold over 20 cm.

Hole LL99-6

This hole was the third of four holes drilled along L8N testing a surface geochemical gold and arsenic anomaly. It is located east of hole LL99-5.

Hole LL99-6 (**Figure 35**) intersected 51m of HGD containing numerous 10–20cm intervals of phyllic alteration. Below the HGD is a mixed zone of approximately 80% MD and 20% HGD over a cored width of 40m. The lowermost 15m is relatively fresh HGD cut by a few thin MD.

Assays from the phyllic alteration zones return gold values as high as 1.25 g/t over 20cm. As in other holes, the phyllic alteration is arsenic rich and commonly assays between 0.1 and 0.3 g/t gold.

Hole LL99-7

Hole LL99-7 (**Figure 36**) is drilled along section on L1S, west of LL99-4. It was drilled to test a surface geochemical gold anomaly.

This hole was drilled entirely through HGD. The HGD is slightly weathered and oxidized down to ~20m, and from there to the end of the hole, it is generally fresh. From 52m to 63m is a zone of carbonate and lesser potassium feldspar alteration. At 77m and continuing until the end of the hole are several 10-20cm zones of phyllic alteration.

The phyllic alteration zones can be traced from hole LL99-7 downdip to hole LL99-4 to the east. A thin quartz vein at 79m can be correlated to a thin quartz vein in LL99-4 at 103m. The quartz vein and surrounding phyllic alteration have a dip of 25^0E, consistent with what is measured on other larger gold bearing veins (V2 for example) on surface, and assayed 17.21 g/t gold over 20cm.

Hole LL99-8

LL99-8 (**Figure 37**) was drilled in the southern portion of the grid on L9S, between Swamp and Soya creeks. The hole was collared to test at depth, a pipe-like vertical IP chargeability anomaly.

The top portion of this hole is a mixture of HGD cut by MD, with approximately equal volumes of each. The lower part of the hole is predominantly a mixture of FLD and MD with a minor amount of HGD near the bottom of the hole.

Phyllic alteration zones are less numerous in this hole as compared to the majority of the other holes. Phyllic alteration zones 10-20cm in width are found in both HGD and FLD and assays range between 0.1 and 0.4 g/t.

Hole LL99-9

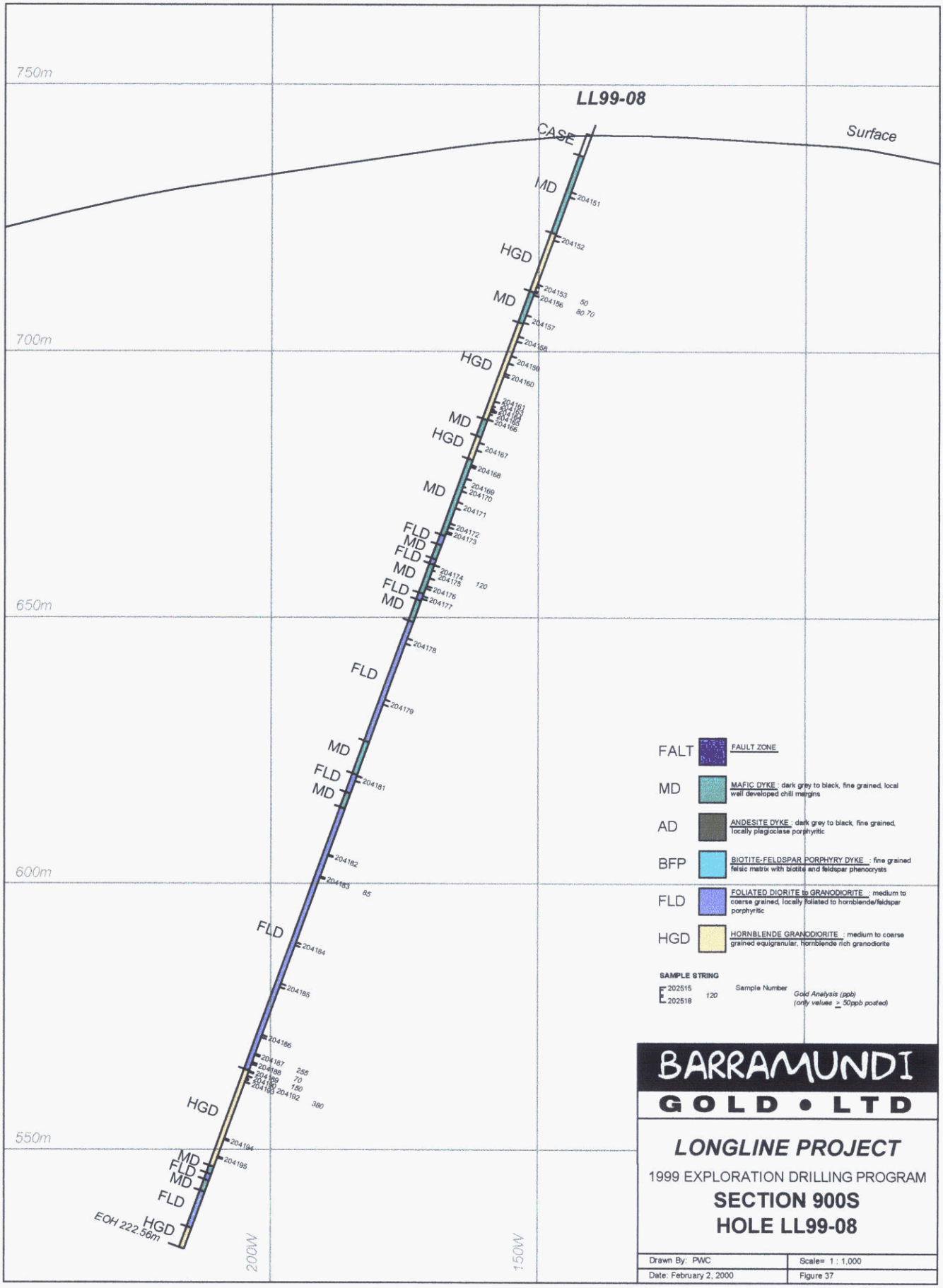
This hole was collared on L7N testing a surface geochemical gold and arsenic anomaly. This anomaly is an extension of the same anomaly tested by the fence of 4 holes 100m to the north.

Hole LL99-9 (**Figure 38**) is HGD along the length of the hole. There are several zones of phyllic alteration that occur sporadically within the HGD. As in the other drill holes, the zones are 10-20cm in width, arsenic rich, with assay between 0.1 and 1.0 g/t. An assay of 2.23 g/t over 1.0m was recorded from a chlorite-carbonate-clay altered fracture zone in the HGD.

Hole LL99-10

Hole LL99-10 (**Figure 39**) is the southernmost hole and was spotted in order to further test the near surface expression of a vertical IP anomaly that was tested at depth by LL99-8. The hole is located on L10S.

The entire hole cored through HGD with 2 thin (~1m) MD intersected. The upper 60m of the hole contained multiple 10-20cm zones of phyllic alteration. As usual, these zones are arsenic rich and contain anomalous gold value, however there are 2 zones that assay



BARRAMUNDI GOLD • LTD

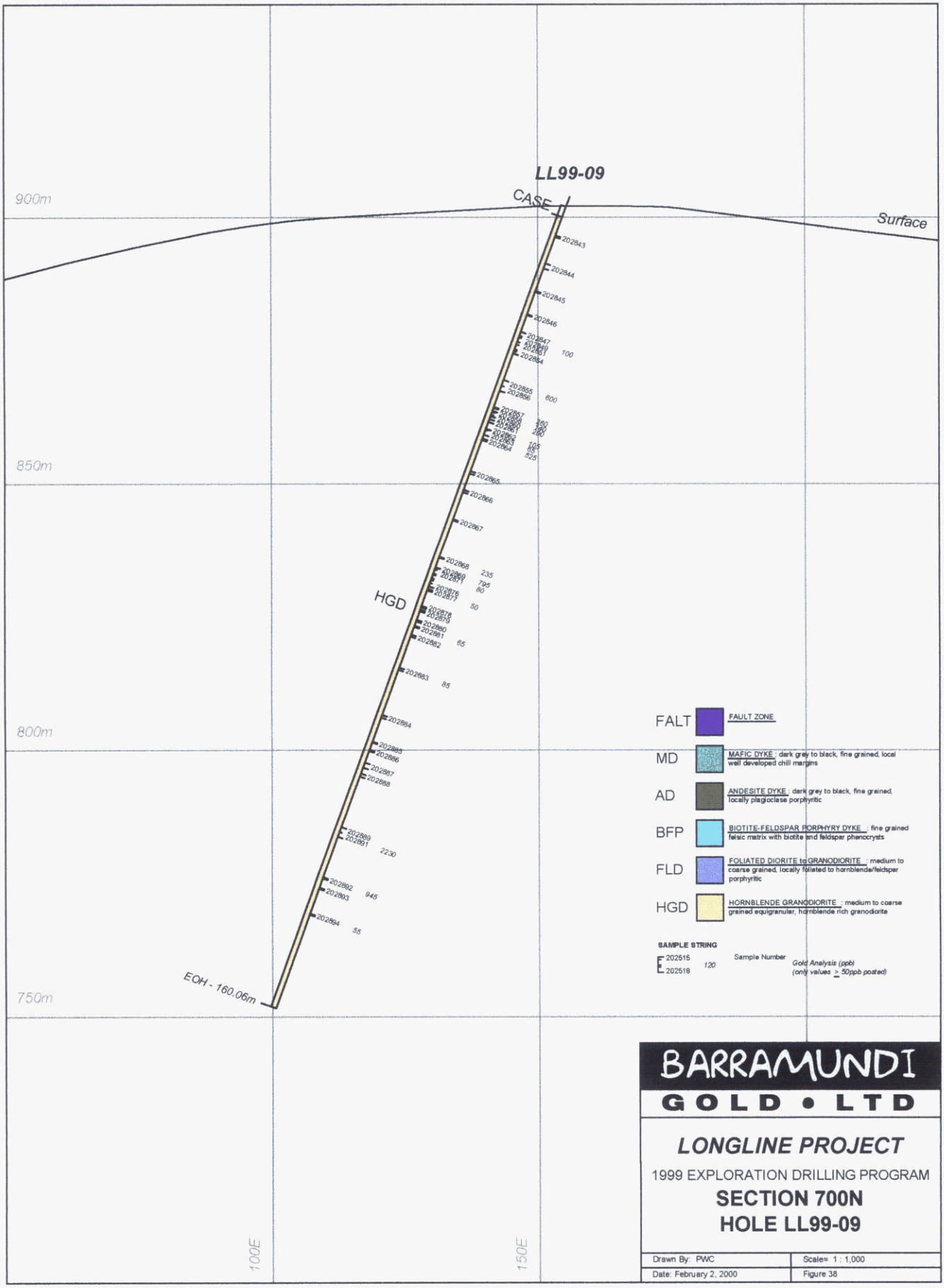
LONGLINE PROJECT

1999 EXPLORATION DRILLING PROGRAM

SECTION 900S

HOLE LL99-08

Drawn By: PWC	Scale= 1 : 1,000
Date: February 2, 2000	Figure 37



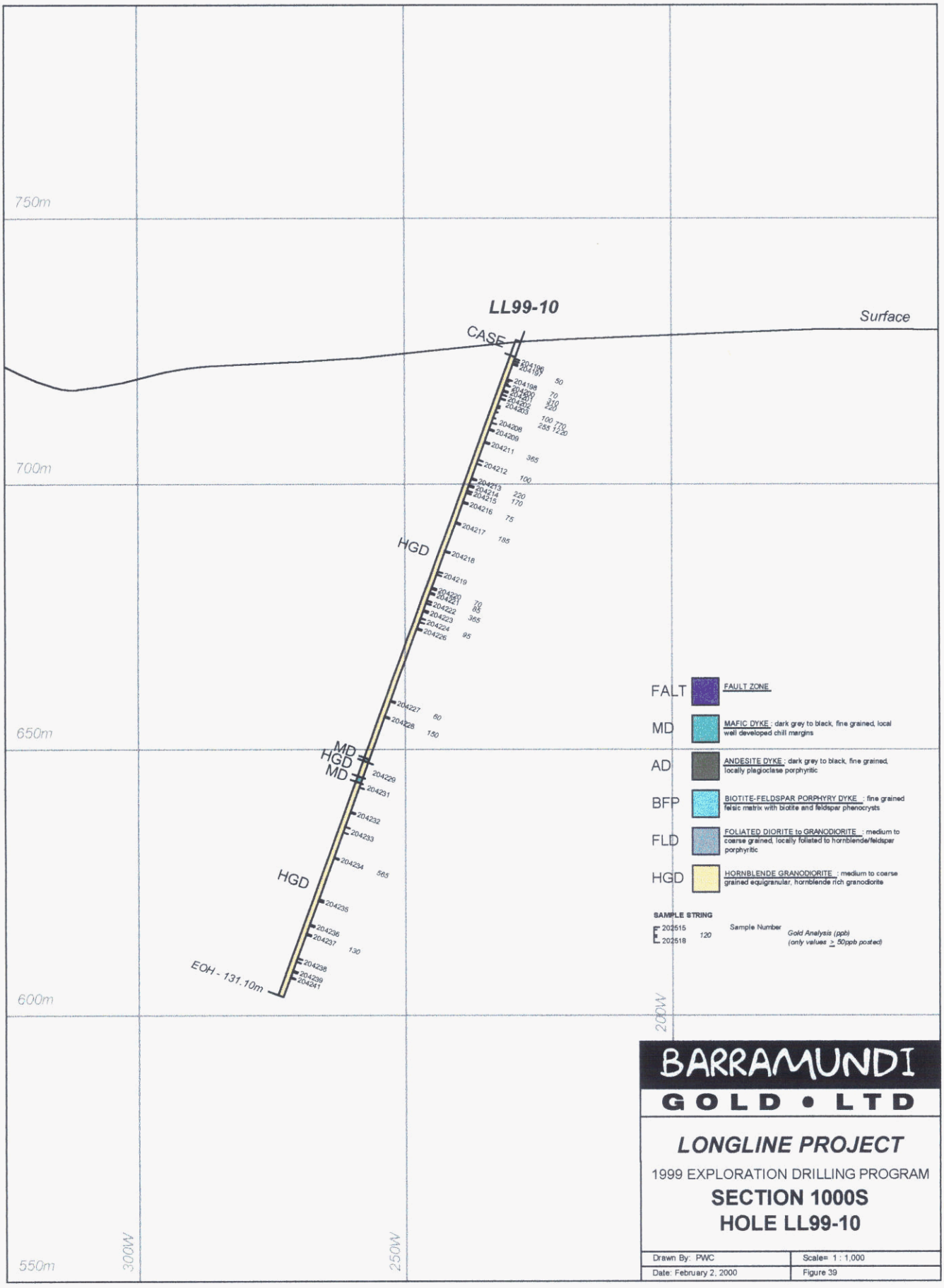
BARRAMUNDI
GOLD • LTD

LONGLINE PROJECT

1999 EXPLORATION DRILLING PROGRAM

SECTION 700N
HOLE LL99-09

Drawn By: PWC	Scale= 1 : 1,000
Date: February 2, 2000	Figure 38


750m
700m
650m
600m
550m
300W
250W
200W
LL99-10
Surface
CASE
204196
204199
204197
204198
204200
204201
204202
204203
204206
204209
204211
204212
204213
204214
204215
204216
204217
204218
204219
204220
204221
204222
204223
204224
204226
204227
204228
204229
204231
204232
204233
204234
204235
204236
204237
204238
204239
204241
50
70
310
120
100
770
235
1220
365
100
220
170
75
185
70
85
365
95
60
150
565
130
HGD
MD
HGD
MD
HGD
EOH - 131.10m
FALT
FAULT ZONE
MD
MAFIC DYKE ; dark grey to black, fine grained, local well developed chill margins
AD
ANDESITE DYKE ; dark grey to black, fine grained, locally plagioclase porphyritic
BFP
BIOTITE-FELDSPAR PORPHYRY DYKE ; fine grained felsic matrix with biotite and feldspar phenocrysts
FLD
FOLIATED DIORITE to GRANODIORITE ; medium to coarse grained, locally foliated to hornblende/feldspar porphyritic
HGD
HORNBLENDE GRANODIORITE ; medium to coarse grained equigranular, hornblende rich granodiorite
SAMPLE STRING
202515
202518
120
Sample Number
Gold Analysis (ppb)
(only values ≥ 50ppb posted)
BARRAMUNDI
GOLD • LTD
LONGLINE PROJECT
1999 EXPLORATION DRILLING PROGRAM
SECTION 1000S
HOLE LL99-10
Drawn By: PWC
Scale= 1 : 1,000
Date: February 2, 2000
Figure 39

higher than 1.0 g/t. A 20cm section from 13.00 –13.20m returned 1.22 g/t and a 27cm interval from 53.66 – 53.93m ran 3.19 g/t.

Hole LL99-11

LL99-11 (**Figure 35**) is the easternmost hole of the 4-hole fence across the surface geochemical gold and arsenic anomaly on L8N. This was deepened to 251m in order to intersect an IP chargeability anomaly situated at ~150m vertical depth.

Approximately 95% of the hole consists of relatively fresh HGD with the remaining 5% being MD. There are numerous thin zones of phyllic alteration in the core with local concentration of alteration zones over 15-20m. The highest gold assay is 0.98g/t gold over 30cm from 178.20m – 178.50m.

Hole LL99-12

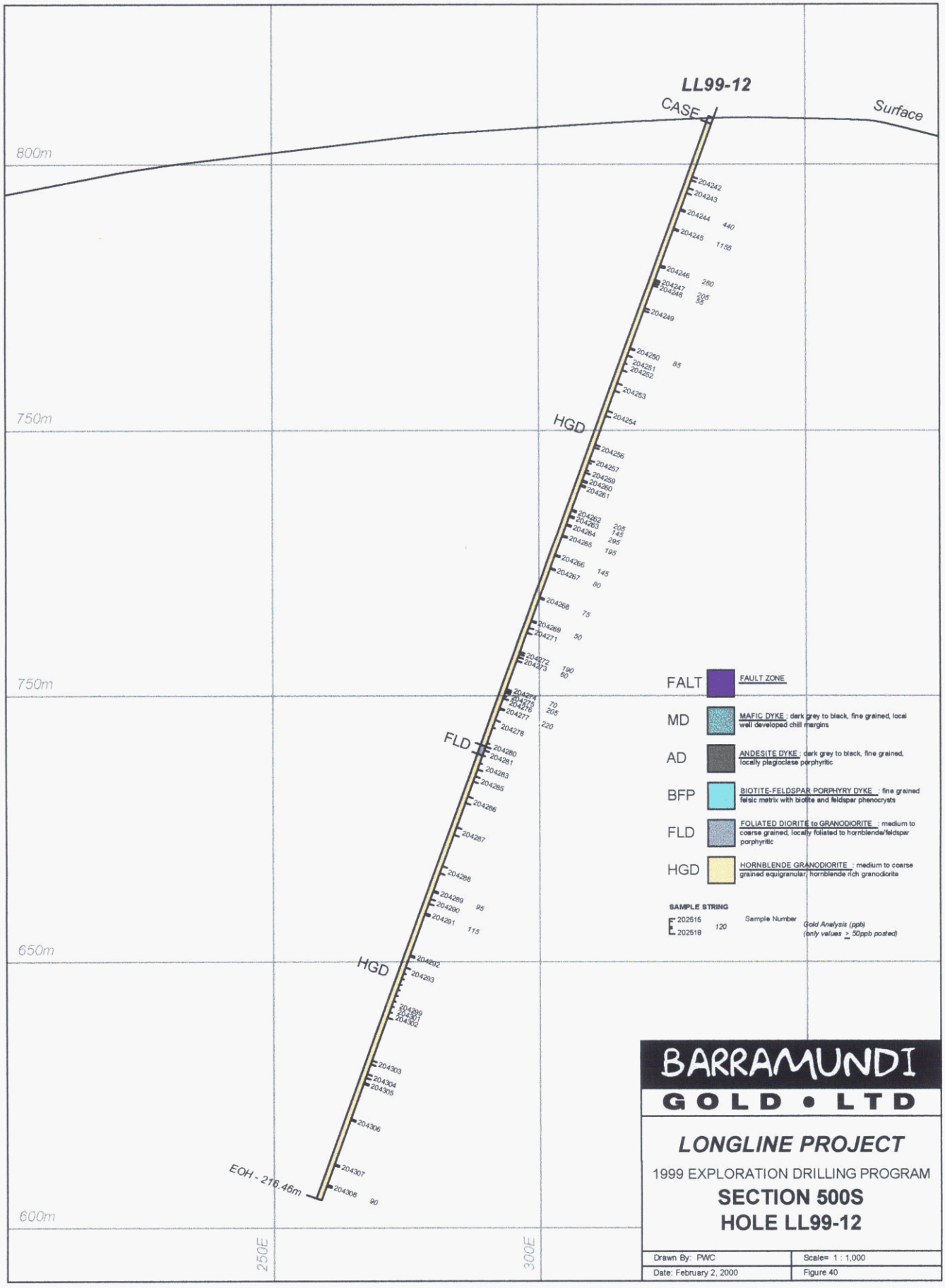
Hole LL99-12 (**Figure 40**) was collared on L5S and was positioned in order to intersect an IP chargeability anomaly at a vertical depth of approximately 150m.

The hole drilled exclusively through HGD except for a 2m interval of FLD. Weak to moderate pervasive sericite-chlorite ± silica alteration is present over several metres within portions of the HGD, e.g. 53m – 65m (sericite-chlorite), 69.5m – 71m (sericite-chlorite-pyrite), 113m – 125m (sericite-chlorite±Fe-carbonate), and 170m – 180m (silica-sericite-carbonate-sulphide). This style of alteration is a more pervasive form of phyllic alteration that also occurs as 10-20cm intervals within the pervasive type of alteration. An assay of 1.16 g/t over 20cm was returned from a HGD sample at 21.96m – 22.16m.

11.3 Discussion

The 12 hole drilling program was designed to test 2 distinct anomaly types: surface gold a and arsenic geochemical anomalies and deep (~150m vertical depth) IP chargeability anomalies.

The geology logged in the drill holes indicates that there is an increase in the volume of MD between the Airport Pup and Swamp Creek, as compared to adjacent areas. Typically, MD comprise a volume of up to 5% as estimated from surface and drill hole mapping, however in the area between the Airport Pup and Swamp Creek there is 15-20% MD. The increase in MD corresponds to the presence of a near vertical fault zone that is logged in drill hole LL99-2 and that is inferred to lie between LL99-5 and LL99-6.


LL99-12
CASE
Surface
800m
750m
750m
650m
600m
250E
300E
HGD
FLD
HGD
EOH - 216.46m
204242
204243
204244 440
204245 1155
204246 260
204247
204248 205 55
204249
204250 85
204251
204252
204253
204254
204256
204257
204258
204260
204261
204262
204263 205
204264 145
204265 295
204266 195
204267 145
80
204268 75
204269
204271 50
204272
204273 190
60
204274
204275 70
204276 205
204277
204278 220
204280
204281
204283
204285
204286
204287
204288
204289 95
204290
204291 115
204292
204293
204299
204301
204302
204303
204304
204305
204306
204307
204308 90
FALT
FAULT ZONE
MD
MAFIC DYKE : dark grey to black, fine grained, local well developed chill margins
AD
ANDESITE DYKE : dark grey to black, fine grained, locally plagioclase porphyritic
BFP
BIOTITE-FELDSPAR PORPHYRY DYKE : fine grained felsic matrix with biotite and feldspar phenocrysts
FLD
FOLIATED DIORITE to GRANODIORITE : medium to coarse grained, locally foliated to hornblende/feldspar porphyritic
HGD
HORNBLENDE GRANODIORITE : medium to coarse grained equigranular, hornblende rich granodiorite
SAMPLE STRING
202515
202518
120
Sample Number
Gold Analysis (ppb)
(only values > 50ppb posted)
BARRAMUNDI
GOLD • LTD
LONGLINE PROJECT
1999 EXPLORATION DRILLING PROGRAM
SECTION 500S
HOLE LL99-12
Drawn By: PWC
Scale= 1 : 1,000
Date: February 2, 2000
Figure 40

The surface expression of the fault zone coincides with a strong gradient in the aeromagnetics (increasing sharply to the east), however there is no change in the topography. In contrast, all other significant changes in the aeromagnetic character are manifested by topographic features such as creek valleys or ridges.

The surface arsenic anomalies can be attributed to the presence of multiple thin zones of arsenopyrite-rich phyllic alteration. Arsenic is generally mobile in soil and there would appear to a sufficient amount visible in the core to account for the distribution of arsenic values on surface. The distribution of the soil geochemical gold values would indicate the presence of nuggety gold in the subsurface. Visible gold was only found in one hole (LL99-7) with nearby hole LL99-4 almost certainly containing visible gold (20cm sample containing 8cm quartz vein assayed 45.7 g/t gold). Anomalous gold is present in the phyllic altered zones, and these zones could very well contain visible gold if followed either along strike or dip. (A thin vein exposed structurally above the V2 vein was initially assayed to have background to slightly anomalous gold values. A subsequent exposure farther along strike showed the vein to have several bits of visible gold.).

The deeper flat-lying IP chargeability anomalies are more difficult to explain. The surface IP survey displayed a deep (~150m below surface) continuous IP chargeability anomaly trending north-south slightly east of the baseline. The northern portion of the anomaly was targeted (LL99-2) and a significant volume of MD cutting fresh HGD was intersected. Two wide fault zones were also intersected near the top of the hole. A second hole (LL99-1) was drilled approximately 400m south and 150m east of LL99-2 and intersected approximately equal portions of MD (top half of hole) and HGD (bottom half). A third hole (LL99-12) was drilled into the anomaly 1100m south of LL99-1 and this hole cut through variably sericite and chlorite (± silica and carbonate) altered HGD with a 20cm section running 1.16 g/t. Three widely separated hole were targeting what appeared to be a continuous IP anomaly, however the results suggest that anomaly is more complex than a uniform flat-lying body.

An additional vertical, pipe-like, IP chargeability anomaly was drilled, also with mixed results. The northernmost intersection (LL99-8) into the anomaly cored through a small amount of HGD with greater volumes of MD and FLD. A hole to the south (LL99-10) intersected HGD with only a few thin MD present. Both holes contained thin phyllic altered zones, however hole LL99-10 contained a much greater abundance of the zones, especially in the upper 50m. Laboratory tests are currently being run on selected core samples in order to determine if the "unaltered looking" rocks are in fact chargeable units.

12 SUMMARY OF EXPLORATION EXPENSES

The 1999 field season included the exploration tasks described in the preceding text. A summary of the costs is outlined in **Table 8**, "Summary Table of 1999 Exploration Expenses". All of the above work is deemed "assessable" as all work was performed on claims held in good standing by Barramundi or it's joint venture partner. A total of **C$740,936.86** was spent on the Longline Project.

Table 8: Summary table of 1999 exploration expenses

Linecutting			
67120 metres cutting and picketing			$33,560.00
Cost per metre =	$0.50		
I.P. Geophysics			
Survey Cost	53,250 linear metres		$29,608.34
Barramundi Wages	(80.5 person - days)		$12,487.50
Pro-rated camp costs			$2,817.50
Transportation from Whitehorse			$5,304.00
		TOTAL:	$50,217.34
Cost per metre =	$0.94		
Grid Soil Sampling			
Barramundi Wages	(34 person-days)		$5,373.00
Pro-rated camp costs			$1,190.00
Sample Bags			$350.00
Transportation from Whitehorse			$2,652.00
Analyses	(373 samples)		$7,180.25
		TOTAL:	$16,745.25
Cost per sample =	$44.89		
"Swede's Pit Drilling"			
Drilling costs			$83,993.14
Barramundi Wages	(92.5 person-days)		$17,900.00
Pro-rated camp costs			$3,237.50
Surveying			$3,217.50
Bulldozer Rental			$1,200.00
Transportation from Whitehorse			$5,304.00
Rock sample analyses			$9,633.00

		TOTAL:	$124,485.14
Trenching			
Barramundi Wages	(15.5 person-days)		$2,800.00
Pro-rated camp costs			$542.50
Excavator Rental			$840.00
Transportation from Whitehorse			$1,326.00
Rock sample analyses			$9,379.50
		TOTAL:	$14,888.00
Regional Sampling and Prospecting			
Barramundi Wages	(185 person-days)		$34,150.00
Pro-rated camp costs			$4,900.00
Transportation from Whitehorse			$10,690.00
Analyses			$19,080.00
		TOTAL:	$68,820.00
Follow-up soil sampling			
Barramundi Wages	(5 person-days)		$1,175.00
Pro-rated camp costs			$150.00
Analyses	(109 samples)		$1,445.04
		TOTAL:	$2,770.04
Cost per sample =	$25.41		
Exploration Diamond Drilling			
Drilling costs	Advanced Drilling Ltd.		$103,586.36
Drilling costs	Major Drilling Ltd.		$71,325.22
Field Wages	(226 person-days)		$47,375.00
Contractor's Wages			$2,800.00
Office Wages	(45 person-days)		$9,000.00
Core Boxes			$7,567.98
Misc. Supplies			$3,476.31
Building Supplies			$3,058.87
Generator rental			$3,600.00
Groceries etc.			$7,377.64
Surveying			$4,440.00
Bulldozer Rental			$3,250.00
Helicopter			$13,501.20
Helicopter Fuel			$3,363.75
Diesel Fuel			$3,014.00
Gasoline			$299.00
Oil and Lubricants			$528.50
Air Transport from Whitehorse			$23,192.01

Transportation (Airfare)		$1,549.04
Transportation (Freight)		$2,231.34
Leasing 2 trucks for 1 month each		$1,221.00
Communications		$7,849.15
Rock sample analyses		$9,200.78
	TOTAL:	$332,807.15
Miscellaneous/Overhead (15%)		$96,643.94
	Grand Total (estimated):	**$740,936.86**

13 CONCLUSIONS AND RECOMMENDATIONS

13.1 Swede's Pit and Swamp Creek Veins Area

The results of the 1999 pit drilling program were very successful in outlining the continuity of the V2 vein and in confirming it's high (but variable) gold content. If V2 is to be brought to a bulk sampling stage, then further drilling at a minimum overall drill spacing of 20 x 20 m is necessary in order to give more complete information on vein grade and thickness. This would mean an additional 30 holes, totalling close to 800m. Closer spaced drilling would also test the possibility of rich shallowly plunging ore shoots. In addition, several step-out holes in the vicinity of DDH LL98-03 and north of DDH SP99-20 are warranted. Including drilling outside the immediate pit area, a thorough evaluation of the Swede's Pit resource will require at least 1200 metres of drilling.

Additional diamond drilling should be carried out to test the strike and dip continuity of the V1 and V3 veins. Some of the drilling in this area will be "dual purpose", targeting geophysical and geochemical anomalies in addition to the likely extensions of the known gold-bearing veins.

Drill hole collars and trench channel sample locations in Swede's Pit should be surveyed as soon as possible to preserve the integrity and value of work conducted in 1999.

13.2 Follow-up of Grid-Based Geochemical and Geophysical Anomalies

The regional drilling was designed to test both surface geochemical anomalies and deeper IP targets. The surface geochemical anomalies tested could be logically attributed to the

numerous thin phyllic alteration zones that assay up to a few percent As and contain anomalous Au (0.10 – 0.30 g/t) with some occasional "economic" interval i.e. 2.23g/t over 1.0m and 3.19 g/t over 0.27m.

However, there are other soil anomalies that need follow-up work. Firstly, a broad As anomaly covering the northern part of the grid extension could be refined by submitting existing collected unanalysed soil samples and have them analysed for Au, Sb, Bi, and As. Additional samples (approximately 100) should be collected and analysed to give 50 x 25 m coverage over smaller anomalous zones (i.e. L3N, 800E). For all follow-up sampling of soil geochemical anomalies, limits of detection for Bi and Sb should be at 0.2 ppm or lower. Secondly, the prominent elongate arsenic (+Au + Ag + Pb + Zn + Sb) anomaly near L3N, 800E should be carefully examined on the ground, and more closely defined by infill soil sampling. When it is more fully defined, it will constitute an attractive trenching or drilling target.

The deep IP chargeability anomalies are more problematic as drilling proved inconclusive. Different rock types were intersected in the hole designed to test the anomalies. But geophysical target areas were only partially tested by the recent exploration drilling program, and it is now unsure if the IP targets are at the specified depth of ~150m. Recent interpretations conclude that they may be much closer to surface.

Some of the proposed holes, with modified positions, that were not drilled warrant completion in a second phase of drilling. One anomaly lies within the grid extension and is similar in intensity and character to the IP anomaly tested during the previous drilling. The anomaly is approximately 700m in length, is open to the north with the highest reading occurring at the northern part of the anomaly. This anomaly has a coincident As soil geochemical anomaly. An additional target is an isolated portion of the overall IP chargeability anomaly tested during the previous drilling that should be examined. Associated with the anomaly is the down-dip extension of V3.

13.3 Regional Exploration

Anomalous stream sediment and soil geochemical results from the northwestern (WIND) and southeastern (SWEDE) claims require closer spaced sampling and follow up prospecting and mapping. Analyses of these follow-up samples should have detection limits for Bi and Sb at 0.2 ppm or less. An initial follow-up soil geochemical survey with sample spacing of 100 m on lines 200 m apart would involve the collection and analysis of approximately 600 samples to cover the strongly anomalous areas on the northern

claims and the moderately anomalous areas in the south-east. Basic mapping and prospecting coupled with follow-up soil sampling will define specific target areas within the relatively large areas of anomalous As and Au.

Overall, results from prospecting rock samples indicate excellent potential for the further discovery of vein-hosted high-grade gold mineralization in widespread parts of the property. Particularly on the northernmost WIND claims, prospecting and mapping should target the potentially important contact zone between the Moosehorn granodiorite and its gneissic country rocks, as inferred from previous government regional mapping (Templeton-Kluit, 1974). Results from mapping, prospecting and geochemical surveying should be reviewed and interpreted as quickly as possible and additional claims should be staked promptly if warranted.

14 CERTIFICATES OF QUALIFICATIONS

I, W.A. (Sandy) Sears, with business address of:

Barramundi Gold Ltd.
204 – 595 Howe Street, Box 25
Vancouver, B.C.
V6C 2T5

and residential address:

3-5600 Dalhousie Road
Vancouver, BC
V6T 1W4

do hereby certify that:

1. I am a practising geologist.

2. I hold a M.Sc degree in Economic Geology (1991) from the Memorial University of Newfoundland and a B.Sc degree in Geology (1987) from Saint Francis Xavier University.

3. I have been employed in my profession since 1985.

4. This report is based on work conducted and supervised by me as a consultant/employee of Barramundi Gold Ltd.

Sandy Sears

W.A.(Sandy) Sears
Dated at Vancouver, B.C., February, 2000

I, David Ritcey, with business address of:

Barramundi Gold Ltd.
204 – 595 Howe Street, Box 25
Vancouver, B.C.
V6C 2T5

and residential address:

8-2636 Yukon Street
Vancouver, BC
V5Y 3P8

do hereby certify that:

1. I am a practising geologist.

2. I hold a M.Sc degree in Earth Sciences-Geology (1994) from the Memorial University of Newfoundland and a B.A. degree in Geology (1989) from Dalhousie University.

3. I have been employed in my profession since 1987.

4. This report is based on work conducted and supervised by me as a consultant/employee of Barramundi Gold Ltd.

David Ritcey
Dated at Vancouver, B.C., February, 2000

I, Paul Conroy, with business address of:

Barramundi Gold Ltd.
204 – 595 Howe Street, Box 25
Vancouver, BC
V6C 2T5

and residential address of:

3587 East 45th Avenue
Vancouver, BC
V5R 3G5

do hereby certify that:

1. I am a practising professional geologist registered with the Association of Professional Engineers and Geoscientists of BC.

2. I hold a B.Sc. degree in Geological Sciences from the University of British Columbia (1982).

3. I have been employed in my profession since 1982.

4. This report is based on work conducted and supervised by me as a consultant/employee of Barramundi Gold Ltd.

Paul Conroy
Dated at Vancouver, B.C., February, 2000

15 PERSONNEL AND CONTRACTORS

Barramundi Staff:	*Nature of Work:*
Sandy Sears Vancouver BC	Project Manager, Project Geologist: core logging, mapping and prospecting, soil sampling, data compilation, interpretation & report preparation
David Ritcey Vancouver BC	Project Geologist: core logging, mapping and prospecting, soil sampling, data compilation, interpretation & report preparation
Paul Conroy Vancouver BC	Senior Geologist: database and map generation
Susan Bradley Regina SK	Junior Geologist: core logging and soil sampling
Sara Gougeon Vancouver BC	Junior Geologist: IP survey and soil sampling
Jeff Huckle Edmonton AB	Junior Geologist: core logging, soil sampling and prospecting
Wes Hodson White Rock BC	Junior Geologist: IP survey and soil sampling
Don Duchesne Fort St John BC	Handyman, Equipment Operator
Pauline Duchesne Fort St John BC	Camp Cook
Maxine McLeod Watson Lake YT	Camp Cook

Contractors:	*Nature of Work:*
Coureur Des Bois Whitehorse, YT	Linecutting and Picketing 50 line – kilometres
Quantec IP Inc. Waterdown, ON	IP Surveying
Summit Air Charters Whitehorse, YT	Supply flights from Whitehorse
Alkan Air Ltd. Whitehorse, YT	Supply flights from Whitehorse
Bonanza Aviation Dawson, YT	Supply Flights from Dawson
Northern Analytical Labs Whitehorse, YT	Assays and Analyses
Chemex Labs Vancouver, BC, Fairbanks AK	Assays and Analyses
Advanced Drilling Ltd. Surrey, BC	Diamond Drilling
Major Alaska Drilling Fairbanks AK	Diamond Drilling

Appendix 1

UTM Co-ordinates
Regional Soil, Stream Sediment and Rock Samples

Regional Soil Samples

SAMPLE #	Survey	utmEASTING	utmNORTHING
200601	BAM Aug.	506811	6989625
200602	BAM Aug.	506911	6989625
200603	BAM Aug.	507011	6989625
200604	BAM Aug.	507111	6989625
200605	BAM Aug.	507211	6989625
200606	BAM Aug.	507311	6989625
200607	BAM Aug.	507411	6989625
200608	BAM Aug.	507511	6989625
200609	BAM Aug.	507611	6989625
200610	BAM Aug.	507811	6989625
200611	BAM Aug.	507911	6989625
200612	BAM Aug.	508011	6989625
200613	BAM Aug.	508036	6989592
200614	BAM Aug.	508136	6989592
200615	BAM Aug.	508236	6989592
200616	BAM Aug.	508336	6989592
200617	BAM Aug.	508536	6989592
200618	BAM Aug.	508936	6989592
200619	BAM Aug.	509136	6989592
200620	BAM Aug.	509336	6989592
200621	BAM Aug.	509536	6989592
200622	BAM Aug.	509736	6989592
200623	BAM Aug.	509936	6989592
200624	BAM Aug.	510176	6988901
200625	BAM Aug.	510076	6988901
200626	BAM Aug.	509976	6988901
200627	BAM Aug.	509876	6988901
200628	BAM Aug.	509776	6988901
200629	BAM Aug.	509676	6988901
200630	BAM Aug.	509576	6988901
200631	BAM Aug.	509476	6988901
200632	BAM Aug.	509376	6988901
200633	BAM Aug.	509276	6988901
200634	BAM Aug.	509176	6988901
200635	BAM Aug.	509076	6988901
200636	BAM Aug.	508976	6988901
200637	BAM Aug.	508876	6988901
200638	BAM Aug.	508776	6988901
200639	BAM Aug.	508676	6988901
200640	BAM Aug.	508576	6988901
200641	BAM Aug.	508476	6988901
200642	BAM Aug.	508376	6988901
200643	BAM Aug.	508276	6988901
200644	BAM Aug.	508176	6988901
200645	BAM Aug.	508076	6988901
200646	BAM Aug.	507976	6988901
200647	BAM Aug.	507876	6988901
200648	BAM Aug.	507776	6988901
200649	BAM Aug.	507676	6988901
200650	BAM Aug.	507576	6988901
200651	BAM Aug.	507476	6988901
200652	BAM Aug.	507376	6988901
200653	BAM Aug.	507276	6988901
200654	BAM Aug.	507176	6988901
200655	BAM Aug.	508476	6986288
200656	BAM Aug.	508530	6986232
200657	BAM Aug.	508730	6986232
200658	BAM Aug.	508830	6986232
200659	BAM Aug.	508959	6986267
200660	BAM Aug.	509059	6986267
200661	BAM Aug.	509159	6986267
200662	BAM Aug.	509259	6986267
200663	BAM Aug.	509356	6986368
200664	BAM Aug.	509456	6986368
200665	BAM Aug.	509656	6986368
200666	BAM Aug.	509787	6986406
200667	BAM Aug.	509887	6986406
200668	BAM Aug.	509987	6986406
200669	BAM Aug.	510087	6986406
200670	BAM Aug.	510119	6986461
200671	BAM Aug.	507312	6985454
200672	BAM Aug.	507412	6985454
200673	BAM Aug.	507512	6985454
200674	BAM Aug.	507612	6985454
200675	BAM Aug.	507739	6985405
200676	BAM Aug.	507839	6985405
200677	BAM Aug.	507939	6985405
200678	BAM Aug.	508039	6985405
200679	BAM Aug.	508199	6985541
200680	BAM Aug.	508299	6985541
200681	BAM Aug.	508399	6985541
200682	BAM Aug.	508499	6985541
200683	BAM Aug.	508627	6985583
200684	BAM Aug.	508727	6985583
200685	BAM Aug.	508827	6985583
200686	BAM Aug.	508927	6985583
200687	BAM Aug.	508977	6985676
200688	BAM Aug.	509077	6985676
200689	BAM Aug.	509177	6985676
200690	BAM Aug.	509277	6985676
200691	BAM Aug.	509536	6985684
200692	BAM Aug.	509636	6985684
200693	BAM Aug.	509736	6985684
200694	BAM Aug.	509810	6985795
200695	BAM Aug.	509910	6985795
200696	BAM Aug.	510010	6985795

SAMPLE #	Survey	utmEASTING	utmNORTHING
200697	BAM Aug.	510110	6985795
200698	BAM Aug.	510177	6985745
200699	BAM Aug.	507331	6990532
200700	BAM Aug.	507431	6990532
200701	BAM Aug.	507531	6990532
200702	BAM Aug.	507631	6990532
200703	BAM Aug.	502223	6993230
200704	BAM Aug.	502223	6993330
200705	BAM Aug.	502223	6993430
200706	BAM Aug.	502197	6993555
200707	BAM Aug.	502158	6993724
200708	BAM Aug.	502143	6993818
200709	BAM Aug.	502125	6993923
200710	BAM Aug.	502105	6994024
200711	BAM Aug.	502054	6994229
200712	BAM Aug.	502022	6994402
200713	BAM Aug.	501995	6994525
200714	BAM Aug.	501975	6994609
200715	BAM Aug.	501954	6994706
200716	BAM Aug.	501936	6994802
200717	BAM Aug.	501914	6994893
200718	BAM Aug.	501896	6994966
200719	BAM Aug.	501878	6995062
200720	BAM Aug.	501860	6995155
200721	BAM Aug.	501841	6995247
200722	BAM Aug.	501793	6995476
200723	BAM Aug.	501775	6995572
200724	BAM Aug.	501681	6996000
200725	BAM Aug.	501659	6996078
200726	BAM Aug.	501649	6996130
200727	BAM Aug.	502276	6993176
200728	BAM Aug.	502293	6993084
200729	BAM Aug.	502313	6992994
200730	BAM Aug.	502341	6992883
200731	BAM Aug.	502362	6992779
200732	BAM Aug.	502378	6992684
200733	BAM Aug.	502402	6992595
200734	BAM Aug.	502416	6992490
200735	BAM Aug.	501473	6996982
200736	BAM Aug.	501455	6997074
200737	BAM Aug.	501418	6997249
200738	BAM Aug.	501397	6997351
200739	BAM Aug.	501378	6997435
200740	BAM Aug.	501364	6997494
200741	BAM Aug.	501344	6997592
200742	BAM Aug.	501320	6997688
200743	BAM Aug.	501303	6997789
200744	BAM Aug.	501281	6997890
200745	BAM Aug.	501261	6997987

SAMPLE #	Survey	utmEASTING	utmNORTHING
200746	BAM Aug.	501241	6998084
200747	BAM Aug.	501214	6998173
200748	BAM Aug.	501201	6998257
200749	BAM Aug.	501166	6998353
200750	BAM Aug.	501158	6998452
200751	BAM Aug.	504174	6985019
200752	BAM Aug.	502800	6984419
200753	BAM Aug.	502700	6984419
200754	BAM Aug.	502600	6984419
200755	BAM Aug.	504400	6980125
200756	BAM Aug.	504400	6979925
200757	BAM Aug.	504400	6979825
200758	BAM Aug.	504342	6980400
200759	BAM Aug.	504342	6980300
200760	BAM Aug.	504342	6980200
200761	BAM Aug.	504342	6980100
200762	BAM Aug.	504273	6980858
200763	BAM Aug.	504273	6980758
200764	BAM Aug.	504273	6980658
200765	BAM Aug.	504300	6981772
200766	BAM Aug.	504300	6981672
200767	BAM Aug.	504175	6982518
200768	BAM Aug.	504180	6982773
200769	BAM Aug.	504180	6982673
200770	BAM Aug.	504180	6982573
200771	BAM Aug.	504201	6984396
200772	BAM Aug.	504201	6984296
200773	BAM Aug.	504201	6984136
200774	BAM Aug.	504201	6984036
200775	BAM Aug.	504201	6983936
200776	BAM Aug.	504201	6983836
200777	BAM Aug.	504201	6983719
200778	BAM Aug.	504201	6983619
200779	BAM Aug.	504201	6983519
200780	BAM Aug.	504201	6983419
200781	BAM Aug.	504968	6982479
200782	BAM Aug.	504975	6982589
200783	BAM Aug.	504966	6982688
200784	BAM Aug.	504962	6982929
200785	BAM Aug.	504958	6983028
200786	BAM Aug.	504955	6983123
200787	BAM Aug.	504949	6983378
200788	BAM Aug.	504949	6983472
200789	BAM Aug.	504951	6983571
200790	BAM Aug.	504937	6983852
200791	BAM Aug.	504942	6983953
200792	BAM Aug.	504933	6984049
200793	BAM Aug.	504921	6984348
200794	BAM Aug.	504918	6984447

SAMPLE #	Survey	utmEASTING	utmNORTHING
200795	BAM Aug.	504918	6984546
200796	BAM Aug.	504916	6984638
200801	BAM Aug.	503390	6980414
200802	BAM Aug.	503351	6981630
200803	BAM Aug.	503347	6981726
200804	BAM Aug.	503341	6981953
200805	BAM Aug.	503333	6982154
200806	BAM Aug.	503331	6982254
200807	BAM Aug.	503314	6982950
200808	BAM Aug.	503309	6983049
200809	BAM Aug.	503281	6983900
200810	BAM Aug.	503279	6984006
200811	BAM Aug.	503273	6984117
200812	BAM Aug.	503271	6984220
200813	BAM Aug.	503274	6984316
200814	BAM Aug.	503296	6984419
200815	BAM Aug.	505038	6980264
200816	BAM Aug.	505035	6980378
200817	BAM Aug.	505029	6980502
200818	BAM Aug.	505025	6980605
200819	BAM Aug.	505022	6980703
200820	BAM Aug.	505008	6980811
200821	BAM Aug.	505013	6980943
200822	BAM Aug.	505009	6981051
200823	BAM Aug.	505007	6981143
200824	BAM Aug.	504986	6982173
200825	BAM Aug.	504980	6982271
200826	BAM Aug.	504969	6982390
200827	BAM Aug.	504960	6982795
200828	BAM Aug.	504950	6983220
200829	BAM Aug.	504945	6983672
200830	BAM Aug.	504934	6984159
200831	BAM Aug.	505887	6981732
200832	BAM Aug.	505883	6981835
200833	BAM Aug.	505882	6981930
200834	BAM Aug.	505878	6982036
200835	BAM Aug.	505878	6982134
200836	BAM Aug.	505877	6982236
200837	BAM Aug.	505874	6982336
200838	BAM Aug.	505870	6982459
200839	BAM Aug.	505863	6982567
200840	BAM Aug.	505861	6982666
200841	BAM Aug.	505864	6982765
200842	BAM Aug.	508106	6984406
200843	BAM Aug.	508107	6984294
200844	BAM Aug.	508110	6984193
200845	BAM Aug.	508123	6984072
200846	BAM Aug.	508124	6983967
200847	BAM Aug.	508148	6983264

SAMPLE #	Survey	utmEASTING	utmNORTHING
200848	BAM Aug.	508167	6982864
200849	BAM Aug.	508181	6982511
200850	BAM Aug.	508206	6982073
200851	BAM Aug.	508223	6981624
200852	BAM Aug.	508241	6981190
200853	BAM Aug.	508264	6980760
200854	BAM Aug.	508285	6980357
200855	BAM Aug.	508300	6979929
200856	BAM Aug.	508324	6979453
200857	BAM Aug.	508317	6979630
200858	BAM Aug.	508312	6979726
200859	BAM Aug.	508305	6979829
200860	BAM Aug.	508297	6980058
200861	BAM Aug.	508292	6980162
200862	BAM Aug.	508290	6980257
200863	BAM Aug.	508277	6980467
200864	BAM Aug.	508272	6980563
200865	BAM Aug.	508271	6980665
200866	BAM Aug.	508257	6980892
200867	BAM Aug.	508252	6980989
200868	BAM Aug.	508251	6981091
200869	BAM Aug.	510943	6981685
200870	BAM Aug.	510951	6981584
200871	BAM Aug.	510963	6981480
200872	BAM Aug.	510972	6981386
200873	BAM Aug.	510989	6981223
200874	BAM Aug.	511020	6980925
200875	BAM Aug.	511031	6980855
200876	BAM Aug.	511040	6980742
200877	BAM Aug.	511048	6980650
200878	BAM Aug.	511060	6980547
200879	BAM Aug.	511072	6980449
200880	BAM Aug.	510931	6981790
200881	BAM Aug.	510909	6981989
200882	BAM Aug.	510897	6982090
200883	BAM Aug.	510884	6982197
200884	BAM Aug.	510874	6982295
200885	BAM Aug.	510862	6982396
200886	BAM Aug.	510853	6982494
200887	BAM Aug.	510845	6982571
200888	BAM Aug.	510838	6982627
200889	BAM Aug.	510831	6982693
200890	BAM Aug.	510825	6982776
200891	BAM Aug.	510673	6985372
200892	BAM Aug.	510675	6985235
200893	BAM Aug.	510676	6985133
200894	BAM Aug.	510675	6985035
200895	BAM Aug.	510677	6984931
200896	BAM Aug.	510678	6984793

SAMPLE #	Survey	utmEASTING	utmNORTHING
200897	BAM Aug.	510679	6984696
200898	BAM Aug.	510680	6984592
200899	BAM Aug.	510683	6984371
200900	BAM Aug.	510681	6984268
200901	BAM Aug.	510683	6984169
200902	BAM Aug.	510715	6983751
200903	BAM Aug.	510738	6983603
200904	BAM Aug.	510744	6983495
200905	BAM Aug.	510755	6983398
200906	BAM Aug.	510766	6983297
200907	BAM Aug.	510773	6983210
200908	BAM Aug.	510786	6983113
200909	BAM Aug.	510802	6983004
200910	BAM Aug.	510811	6982910
200911	BAM Aug.	510832	6982775
200912	BAM Aug.	508134	6983568
200913	BAM Aug.	508139	6983468
200914	BAM Aug.	508143	6983367
200915	BAM Aug.	508154	6983162
200916	BAM Aug.	508163	6982965
200917	BAM Aug.	508170	6982760
200918	BAM Aug.	508176	6982664
200919	BAM Aug.	508176	6982566
200920	BAM Aug.	508190	6982404
200921	BAM Aug.	508193	6982307
200922	BAM Aug.	508198	6982205
200923	BAM Aug.	508209	6981975
200924	BAM Aug.	508213	6981880
200925	BAM Aug.	508216	6981778
200926	BAM Aug.	508229	6981526
200927	BAM Aug.	508233	6981418
200928	BAM Aug.	508242	6981321
200929	BAM Aug.	508155	6983061
200930	BAM Aug.	507377	6985010
200931	BAM Aug.	507367	6985121
200932	BAM Aug.	509854	6985123
200933	BAM Aug.	509861	6985021
200934	BAM Aug.	509866	6984923
200935	BAM Aug.	509873	6984821
200936	BAM Aug.	509877	6984706
200937	BAM Aug.	509880	6984602
200938	BAM Aug.	509881	6984500
200939	BAM Aug.	509891	6984393
200940	BAM Aug.	509893	6984281
200941	BAM Aug.	509906	6984082
200942	BAM Aug.	509915	6983978
200943	BAM Aug.	509915	6983887
200944	BAM Aug.	509925	6983790
200945	BAM Aug.	509927	6983686
200946	BAM Aug.	509931	6983586
200947	BAM Aug.	509937	6983478
200948	BAM Aug.	509948	6983376
200949	BAM Aug.	509949	6983272
200950	BAM Aug.	509957	6983169
200951	BAM Aug.	508992	6983609
200952	BAM Aug.	508979	6983710
200953	BAM Aug.	508971	6983827
200954	BAM Aug.	508959	6983935
200955	BAM Aug.	508952	6984032
200956	BAM Aug.	508942	6984134
200957	BAM Aug.	508931	6984268
200958	BAM Aug.	508922	6984368
200959	BAM Aug.	508915	6984468
200960	BAM Aug.	508900	6984566
200961	BAM Aug.	509008	6983410
200962	BAM Aug.	509030	6983232
200963	BAM Aug.	509041	6983126
200964	BAM Aug.	509047	6983039
200965	BAM Aug.	509053	6982942
200966	BAM Aug.	509062	6982836
200967	BAM Aug.	509072	6982739
200968	BAM Aug.	509081	6982632
200969	BAM Aug.	509093	6982529
200970	BAM Aug.	509096	6982400
200971	BAM Aug.	509109	6982301
200972	BAM Aug.	509120	6982203
200973	BAM Aug.	509142	6982000
200974	BAM Aug.	509962	6983039
200975	BAM Aug.	509965	6982934
200976	BAM Aug.	509973	6982840
200977	BAM Aug.	509978	6982726
200978	BAM Aug.	509989	6982602
200979	BAM Aug.	509995	6982493
200980	BAM Aug.	509999	6982394
200981	BAM Aug.	510000	6982293
200982	BAM Aug.	510014	6982177
200983	BAM Aug.	510017	6982065
200984	BAM Aug.	510024	6981968
200985	BAM Aug.	510035	6981735
200986	BAM Aug.	510045	6981632
200987	BAM Aug.	510050	6981533
200988	BAM Aug.	510055	6981434
200989	BAM Aug.	510057	6981329
200990	BAM Aug.	510059	6981224
200991	BAM Aug.	510068	6981121
200992	BAM Aug.	510078	6981026
200993	BAM Aug.	510082	6980909
200994	BAM Aug.	510091	6980804

SAMPLE #	Survey	utmEASTING	utmNORTHING
200995	BAM Aug.	510097	6980709
200996	BAM Aug.	510092	6980606
200997	BAM Aug.	510101	6980543
201301	BAM Aug.	506442	6990893
201302	BAM Aug.	506542	6990893
201303	BAM Aug.	506642	6990893
201304	BAM Aug.	506742	6990893
201305	BAM Aug.	506842	6990893
201306	BAM Aug.	507241	6990545
201307	BAM Aug.	507341	6990545
201308	BAM Aug.	507441	6990545
201309	BAM Aug.	507541	6990545
201310	BAM Aug.	507648	6990620
201311	BAM Aug.	507748	6990620
201312	BAM Aug.	507848	6990620
201313	BAM Aug.	507948	6990620
201314	BAM Aug.	508048	6990620
201315	BAM Aug.	508154	6990627
201316	BAM Aug.	508254	6990627
201317	BAM Aug.	508354	6990627
201318	BAM Aug.	508449	6990728
201319	BAM Aug.	508549	6990728
201320	BAM Aug.	508649	6990728
201321	BAM Aug.	508749	6990728
201322	BAM Aug.	508884	6990672
201323	BAM Aug.	508984	6990672
201324	BAM Aug.	509084	6990672
201325	BAM Aug.	509184	6990672
201326	BAM Aug.	509453	6990781
201327	BAM Aug.	509736	6990799
201328	BAM Aug.	509936	6990799
201329	BAM Aug.	510195	6990840
201330	BAM Aug.	507282	6987948
201331	BAM Aug.	507382	6987948
201332	BAM Aug.	507482	6987948
201333	BAM Aug.	507582	6987948
201334	BAM Aug.	507686	6987965
201335	BAM Aug.	507786	6987965
201336	BAM Aug.	507886	6987965
201337	BAM Aug.	507986	6987965
201338	BAM Aug.	508168	6987965
201339	BAM Aug.	508268	6987965
201340	BAM Aug.	508368	6987965
201341	BAM Aug.	508601	6988058
201342	BAM Aug.	508701	6988058
201343	BAM Aug.	508801	6988058
201344	BAM Aug.	508901	6988058
201345	BAM Aug.	508924	6987972
201346	BAM Aug.	509024	6987972
201347	BAM Aug.	509124	6987972
201348	BAM Aug.	509224	6987972
201349	BAM Aug.	509381	6988000
201350	BAM Aug.	509481	6988000
201351	BAM Aug.	509581	6988000
201352	BAM Aug.	509681	6988000
201353	BAM Aug.	509811	6988050
201354	BAM Aug.	509911	6988050
201355	BAM Aug.	510011	6988050
201356	BAM Aug.	510111	6988050
201357	BAM Aug.	510181	6988050
201358	BAM Aug.	507082	6987948
201359	BAM Aug.	506982	6987948
201360	BAM Aug.	506882	6987948
201361	BAM Aug.	506863	6987094
201362	BAM Aug.	506963	6987094
201363	BAM Aug.	507063	6987094
201364	BAM Aug.	507163	6987094
201365	BAM Aug.	507282	6986949
201366	BAM Aug.	507382	6986949
201367	BAM Aug.	507482	6986949
201368	BAM Aug.	507582	6986949
201369	BAM Aug.	507686	6987215
201370	BAM Aug.	507786	6987215
201371	BAM Aug.	507886	6987215
201372	BAM Aug.	507986	6987215
201373	BAM Aug.	508161	6987084
201374	BAM Aug.	508261	6987084
201375	BAM Aug.	508361	6987084
201376	BAM Aug.	508461	6987084
201377	BAM Aug.	508550	6987080
201378	BAM Aug.	508647	6987077
201379	BAM Aug.	508747	6987077
201380	BAM Aug.	508847	6987077
201381	BAM Aug.	509014	6987042
201382	BAM Aug.	509114	6987042
201383	BAM Aug.	509214	6987042
201384	BAM Aug.	509314	6987042
201385	BAM Aug.	509384	6987034
201386	BAM Aug.	509484	6987034
201387	BAM Aug.	509584	6987034
201388	BAM Aug.	509752	6986999
201389	BAM Aug.	509852	6986999
201390	BAM Aug.	509872	6987051
201391	BAM Aug.	507334	6986284
201392	BAM Aug.	507434	6986284
201393	BAM Aug.	507534	6986284
201394	BAM Aug.	507634	6986284
201395	BAM Aug.	507755	6986247

SAMPLE #	Survey	utmEASTING	utmNORTHING
201396	BAM Aug.	507855	6986247
201397	BAM Aug.	507955	6986247
201398	BAM Aug.	508055	6986247
201399	BAM Aug.	508176	6986288
201400	BAM Aug.	508276	6986288
201401	BAM Aug.	507312	6985654
201402	BAM Aug.	507312	6985754
201403	BAM Aug.	507312	6985854
201404	BAM Aug.	507312	6985954
201405	BAM Aug.	507312	6986054
201406	BAM Aug.	507312	6986154
201407	BAM Aug.	507312	6986254
201408	BAM Aug.	506931	6986442
201409	BAM Aug.	506931	6986542
201410	BAM Aug.	506931	6986642
201411	BAM Aug.	506931	6986942
201412	BAM Aug.	506931	6987042
201413	BAM Aug.	506931	6987242
201414	BAM Aug.	506931	6987342
201415	BAM Aug.	506931	6987442
201416	BAM Aug.	506931	6987542
201417	BAM Aug.	506931	6987642
201418	BAM Aug.	506931	6987542
201419	BAM Aug.	506931	6987642
201420	BAM Aug.	506931	6987742
201421	BAM Aug.	506931	6987842
201422	BAM Aug.	506931	6987942
201423	BAM Aug.	506931	6988042
201424	BAM Aug.	506931	6988142
201425	BAM Aug.	506931	6988242
201426	BAM Aug.	506931	6988342
201427	BAM Aug.	506931	6988442
201428	BAM Aug.	506931	6988542
201429	BAM Aug.	506931	6988642
201430	BAM Aug.	506931	6988742
201431	BAM Aug.	506931	6988942
201432	BAM Aug.	506931	6989042
201433	BAM Aug.	506421	6989212
201434	BAM Aug.	506421	6989412
201435	BAM Aug.	506421	6989512
201436	BAM Aug.	506421	6989612
201437	BAM Aug.	506421	6989712
201438	BAM Aug.	506421	6989812
201439	BAM Aug.	506421	6989912
201440	BAM Aug.	506421	6990112
201441	BAM Aug.	506421	6990412
201442	BAM Aug.	506421	6990512
201443	BAM Aug.	506421	6990612
201444	BAM Aug.	506421	6990812

SAMPLE #	Survey	utmEASTING	utmNORTHING
201445	BAM Aug.	501613	6996312
201446	BAM Aug.	501589	6996415
201447	BAM Aug.	501574	6996520
201448	BAM Aug.	501528	6996718
201449	BAM Aug.	501516	6996775
201450	BAM Aug.	501493	6996880
201451	BAM Aug.	501138	6998555
201452	BAM Aug.	501100	6998736
201453	BAM Aug.	501084	6998833
201454	BAM Aug.	501063	6998931
201455	BAM Aug.	501045	6999023
201456	BAM Aug.	501015	6999129
201457	BAM Aug.	500999	6999223
201458	BAM Aug.	500977	6999320
201459	BAM Aug.	500959	6999404
201460	BAM Aug.	500950	6999470
201461	BAM Aug.	500925	6999575
201462	BAM Aug.	500903	6999678
201463	BAM Aug.	500883	6999769
201464	BAM Aug.	500848	6999912
201465	BAM Aug.	500829	7000010
201466	BAM Aug.	500813	7000105
201467	BAM Aug.	500791	7000208
201468	BAM Aug.	500753	7000365
201469	BAM Aug.	500734	7000466
201470	BAM Aug.	500713	7000558
201471	BAM Aug.	500673	7000713
201472	BAM Aug.	500655	7000813
201473	BAM Aug.	500635	7000908
201474	BAM Aug.	500614	7001003
201475	BAM Aug.	500597	7001092
201476	BAM Aug.	500377	6998277
201477	BAM Aug.	500364	6998376
201478	BAM Aug.	500343	6998469
201479	BAM Aug.	500326	6998581
201480	BAM Aug.	500303	6998695
201481	BAM Aug.	500280	6998791
201482	BAM Aug.	500263	6998882
201483	BAM Aug.	500243	6998991
201484	BAM Aug.	500206	6999148
201485	BAM Aug.	500187	6999252
201486	BAM Aug.	500171	6999332
201487	BAM Aug.	500158	6999407
201488	BAM Aug.	500151	6999466
201489	BAM Aug.	500125	6999565
201490	BAM Aug.	500099	6999662
201491	BAM Aug.	501148	6988382
201492	BAM Aug.	501148	6988432
201493	BAM Aug.	501148	6988532

SAMPLE #	Survey	utmEASTING	utmNORTHING
201494	BAM Aug.	501148	6988632
201495	BAM Aug.	501090	6988703
201496	BAM Aug.	501090	6988803
201497	BAM Aug.	501090	6988903
201498	BAM Aug.	501090	6989003
201499	BAM Aug.	500968	6989175
201500	BAM Aug.	500968	6989275
201501	BAM Aug.	500968	6989375
201502	BAM Aug.	500968	6989475
201503	BAM Aug.	500968	6989462
201504	BAM Aug.	500359	6988909
201505	BAM Aug.	500380	6988807
201506	BAM Aug.	500398	6988710
201507	BAM Aug.	500411	6988645
201508	BAM Aug.	500431	6988545
201509	BAM Aug.	500450	6988446
201510	BAM Aug.	500468	6988348
201511	BAM Aug.	500490	6988240
201512	BAM Aug.	500947	6995535
201513	BAM Aug.	500928	6995641
201514	BAM Aug.	500913	6995744
201515	BAM Aug.	500899	6995843
201516	BAM Aug.	500870	6996015
201517	BAM Aug.	500855	6996118
201518	BAM Aug.	500841	6996220
201519	BAM Aug.	500827	6996320
201520	BAM Aug.	500805	6996445
201521	BAM Aug.	500787	6996549
201522	BAM Aug.	500775	6996645
201523	BAM Aug.	500761	6996741
201524	BAM Aug.	500746	6996803
201525	BAM Aug.	500731	6996908
201526	BAM Aug.	500714	6997008
201527	BAM Aug.	500699	6997109
201528	BAM Aug.	500680	6997225
201529	BAM Aug.	500662	6997331
201530	BAM Aug.	500646	6997427
201531	BAM Aug.	500631	6997533
201532	BAM Aug.	500625	6997569
201533	BAM Aug.	500613	6997677
201534	BAM Aug.	500596	6997771
201535	BAM Aug.	500580	6997871
201536	BAM Aug.	500561	6997974
201537	BAM Aug.	500549	6998072
201538	BAM Aug.	500532	6998166
201539	BAM Aug.	500509	6998294
201540	BAM Aug.	500964	6995435
201541	BAM Aug.	500978	6995339
201542	BAM Aug.	500995	6995243
201543	BAM Aug.	501002	6995206
201544	BAM Aug.	500327	6990650
201545	BAM Aug.	500333	6990560
201546	BAM Aug.	500338	6990460
201547	BAM Aug.	500350	6990349
201548	BAM Aug.	500355	6990238
201549	BAM Aug.	500362	6990164
201551	BAM Aug.	502452	6984553
201552	BAM Aug.	502452	6984451
201553	BAM Aug.	502453	6984345
201554	BAM Aug.	502453	6984250
201555	BAM Aug.	502452	6984141
201556	BAM Aug.	502451	6984041
201557	BAM Aug.	502452	6983942
201558	BAM Aug.	502452	6983843
201559	BAM Aug.	502453	6983712
201560	BAM Aug.	502453	6983609
201561	BAM Aug.	502453	6983515
201562	BAM Aug.	502452	6983411
201563	BAM Aug.	502451	6983222
201564	BAM Aug.	502451	6983122
201565	BAM Aug.	502451	6983015
201566	BAM Aug.	502452	6982913
201567	BAM Aug.	502452	6982843
201568	BAM Aug.	502452	6982742
201569	BAM Aug.	502453	6982640
201570	BAM Aug.	502454	6982540
201571	BAM Aug.	502454	6982461
201572	BAM Aug.	502450	6982357
201573	BAM Aug.	502453	6982260
201574	BAM Aug.	502453	6982155
201575	BAM Aug.	502452	6982032
201576	BAM Aug.	502535	6981927
201577	BAM Aug.	502539	6981836
201578	BAM Aug.	502546	6981741
201579	BAM Aug.	502550	6981691
201580	BAM Aug.	502549	6981587
201581	BAM Aug.	502555	6981488
201582	BAM Aug.	502562	6981385
201583	BAM Aug.	502565	6981268
201584	BAM Aug.	502570	6981168
201585	BAM Aug.	502596	6980642
201586	BAM Aug.	502598	6980538
201587	BAM Aug.	502606	6980342
201588	BAM Aug.	502611	6980245
201589	BAM Aug.	500282	6991858
201590	BAM Aug.	500285	6991771
201591	BAM Aug.	500287	6991668
201592	BAM Aug.	500290	6991570

SAMPLE #	Survey	utmEASTING	utmNORTHING
201593	BAM Aug.	500295	6991457
201594	BAM Aug.	500298	6991363
201595	BAM Aug.	500299	6991262
201596	BAM Aug.	500305	6991163
201597	BAM Aug.	500308	6991065
201598	BAM Aug.	500311	6990962
201599	BAM Aug.	500319	6990856
201600	BAM Aug.	500324	6990752
201601	BAM Aug.	506000	6980000
201602	BAM Aug.	506000	6980105
201603	BAM Aug.	506000	6980105
201604	BAM Aug.	506000	6980305
201605	BAM Aug.	506000	6980405
201606	BAM Aug.	506000	6980543
201607	BAM Aug.	506000	6980643
201608	BAM Aug.	506000	6980743
201609	BAM Aug.	506000	6980843
201610	BAM Aug.	501290	6993529
201611	BAM Aug.	501281	6993636
201612	BAM Aug.	501273	6993736
201613	BAM Aug.	501266	6993836
201614	BAM Aug.	501260	6993931
201615	BAM Aug.	501247	6994094
201616	BAM Aug.	501240	6994198
201617	BAM Aug.	501233	6994290
201618	BAM Aug.	501226	6994398
201619	BAM Aug.	501220	6994488
201620	BAM Aug.	501213	6994594
201621	BAM Aug.	501207	6994688
201622	BAM Aug.	501199	6994785
201623	BAM Aug.	501192	6994883
201624	BAM Aug.	501185	6994986
201625	BAM Aug.	501178	6995083
201626	BAM Aug.	501165	6995273
201627	BAM Aug.	501158	6995374
201628	BAM Aug.	501151	6995480
201629	BAM Aug.	501143	6995580
201630	BAM Aug.	501130	6995776
201631	BAM Aug.	506510	6984226
201632	BAM Aug.	506510	6984126
201633	BAM Aug.	506510	6983986
201634	BAM Aug.	506510	6983886
201635	BAM Aug.	506510	6983786
201636	BAM Aug.	506510	6983409
201637	BAM Aug.	506510	6983309
201638	BAM Aug.	506510	6983209
201639	BAM Aug.	506510	6983109
201640	BAM Aug.	506510	6983038
201641	BAM Aug.	506510	6982938
201642	BAM Aug.	506510	6982838
201643	BAM Aug.	506510	6982738
201644	BAM Aug.	506510	6982692
201645	BAM Aug.	506510	6982592
201646	BAM Aug.	506510	6982492
201647	BAM Aug.	506510	6982392
201648	BAM Aug.	506510	6982258
201649	BAM Aug.	506510	6982158
201650	BAM Aug.	506510	6982058
201651	BAM Aug.	506510	6981958
201652	BAM Aug.	506510	6981938
201653	BAM Aug.	506510	6981838
201654	BAM Aug.	506510	6981738
201655	BAM Aug.	506510	6981638
201656	BAM Aug.	506510	6981518
201657	BAM Aug.	506510	6981418
201658	BAM Aug.	506510	6981318
201659	BAM Aug.	506510	6981218
201660	BAM Aug.	506510	6980967
201661	BAM Aug.	506510	6980867
201662	BAM Aug.	506510	6980669
201663	BAM Aug.	506510	6980570
201664	BAM Aug.	509295	6980315
201665	BAM Aug.	504420	6992262
201666	BAM Aug.	504470	6992345
201667	BAM Aug.	504529	6992426
201668	BAM Aug.	504591	6992511
201669	BAM Aug.	504686	6992636
201670	BAM Aug.	504745	6992719
201671	BAM Aug.	504806	6992804
201672	BAM Aug.	504860	6992883
201673	BAM Aug.	505111	6993222
201674	BAM Aug.	505157	6993296
201675	BAM Aug.	505283	6993452
201676	BAM Aug.	505397	6993622
201677	BAM Aug.	505473	6993707
201678	BAM Aug.	505572	6993866
201679	BAM Aug.	505661	6993972
201680	BAM Aug.	505829	6994211
201681	BAM Aug.	505889	6994294
201682	BAM Aug.	506004	6994456
201683	BAM Aug.	506060	6994532
201684	BAM Aug.	507417	6984458
201685	BAM Aug.	507424	6984385
201686	BAM Aug.	507432	6984287
201687	BAM Aug.	507439	6984177
201688	BAM Aug.	507450	6984074
201689	BAM Aug.	507454	6983973
201690	BAM Aug.	507463	6983874

SAMPLE #	Survey	utmEASTING	utmNORTHING
201691	BAM Aug.	507471	6983790
201692	BAM Aug.	507478	6983689
201693	BAM Aug.	507482	6983592
201694	BAM Aug.	507489	6983492
201695	BAM Aug.	507503	6983395
201696	BAM Aug.	507505	6983290
201697	BAM Aug.	507517	6983198
201698	BAM Aug.	507523	6983096
201699	BAM Aug.	507530	6983005
201700	BAM Aug.	507538	6982910
201701	BAM Aug.	507545	6982814
201702	BAM Aug.	507558	6982707
201703	BAM Aug.	507561	6982578
201704	BAM Aug.	507575	6982478
201705	BAM Aug.	507581	6982376
201706	BAM Aug.	507586	6982275
201707	BAM Aug.	507597	6982145
201708	BAM Aug.	507609	6982047
201709	BAM Aug.	507615	6981949
201710	BAM Aug.	507629	6981851
201711	BAM Aug.	507631	6981711
201712	BAM Aug.	507642	6981613
201713	BAM Aug.	507644	6981511
201714	BAM Aug.	507656	6981414
201715	BAM Aug.	507668	6981285
201716	BAM Aug.	507674	6981185
201717	BAM Aug.	507680	6981086
201718	BAM Aug.	507690	6980984
201719	BAM Aug.	507702	6980846
201720	BAM Aug.	507705	6980746
201721	BAM Aug.	507714	6980643
201722	BAM Aug.	507723	6980540
201723	BAM Aug.	507729	6980474
201724	BAM Aug.	509154	6981899
201725	BAM Aug.	509160	6981800
201726	BAM Aug.	509200	6981697
201727	BAM Aug.	509179	6981556
201728	BAM Aug.	509242	6981452
201729	BAM Aug.	509241	6981360
201730	BAM Aug.	509240	6981253
201731	BAM Aug.	509243	6981143
201732	BAM Aug.	509238	6981053
201733	BAM Aug.	509243	6980955
201734	BAM Aug.	509248	6980857
201735	BAM Aug.	509262	6980740
201736	BAM Aug.	509272	6980637
201737	BAM Aug.	509275	6980542
201738	BAM Aug.	509289	6980439
201739	BAM Aug.	509307	6980210

SAMPLE #	Survey	utmEASTING	utmNORTHING
201740	BAM Aug.	509318	6980116
201741	BAM Aug.	509334	6980007
201742	BAM Aug.	509336	6979895
201743	BAM Aug.	509350	6979789
201744	BAM Aug.	509358	6979690
201745	BAM Aug.	509376	6979590
404801	BAM Aug.	500828	6993210
404802	BAM Aug.	500863	6993025
404803	BAM Aug.	500630	6993903
404804	BAM Aug.	500567	6994168
404805	BAM Aug.	500480	6994262
404806	BAM Aug.	500464	6994334
404807	BAM Aug.	500440	6994498
404808	BAM Aug.	500426	6994554
404809	BAM Aug.	500181	6995021
404810	BAM Aug.	500166	6995164
404811	BAM Aug.	500154	6995319
404813	BAM Aug.	500510	6986380
404814	BAM Aug.	500537	6986308
404815	BAM Aug.	500560	6986170
404816	BAM Aug.	500580	6986090
404817	BAM Aug.	500662	6985902
404818	BAM Aug.	500650	6985840
404819	BAM Aug.	500680	6985760
404820	BAM Aug.	500710	6985660
404821	BAM Aug.	500749	6985597
404822	BAM Aug.	500760	6985490
404823	BAM Aug.	500770	6985380
404824	BAM Aug.	500796	6985178
404826	BAM Aug.	500950	6990677
404827	BAM Aug.	500972	6990558
404828	BAM Aug.	501005	6990384
404829	BAM Aug.	501022	6990292
404830	BAM Aug.	501039	6990208
404831	BAM Aug.	501060	6990101
404832	BAM Aug.	501074	6990012
404833	BAM Aug.	501090	6989918
404834	BAM Aug.	501203	6989832
404835	BAM Aug.	501122	6989723
404836	BAM Aug.	501138	6989633
404837	BAM Aug.	501153	6989554
404838	BAM Aug.	501177	6989454
404839	BAM Aug.	501215	6989231
404840	BAM Aug.	501231	6989131
404841	BAM Aug.	501257	6988980
404842	BAM Aug.	501276	6988879
404843	BAM Aug.	501307	6988727
404844	BAM Aug.	501778	6991510
404845	BAM Aug.	501758	6991606

SAMPLE #	Survey	utmEASTING	utmNORTHING
404846	BAM Aug.	501742	6991698
404847	BAM Aug.	501724	6991792
404848	BAM Aug.	501704	6991896
404849	BAM Aug.	501685	6991993
404850	BAM Aug.	501671	6992092
404851	BAM Aug.	501652	6992190
404852	BAM Aug.	501629	6992288
404853	BAM Aug.	501610	6992384
404854	BAM Aug.	501589	6992477
404855	BAM Aug.	501570	6992568
404856	BAM Aug.	501544	6992654
404857	BAM Aug.	501532	6992721
404858	BAM Aug.	501507	6992820
404859	BAM Aug.	501490	6992910
404861	BAM Aug.	501468	6993023
404862	BAM Aug.	501475	6993126
404863	BAM Aug.	501417	6993175
404864	BAM Aug.	501399	6993260
404865	BAM Aug.	501372	6993357
404866	BAM Aug.	501353	6993449
404867	BAM Aug.	504171	6992710
404868	BAM Aug.	504238	6992784
404869	BAM Aug.	504300	6992862
404870	BAM Aug.	504359	6992940
404871	BAM Aug.	504421	6993030
404872	BAM Aug.	504485	6993094
404873	BAM Aug.	504548	6993179
404874	BAM Aug.	504610	6993260
404875	BAM Aug.	504671	6993332
404876	BAM Aug.	504747	6993417
404877	BAM Aug.	504872	6993576
404878	BAM Aug.	504929	6993647
404879	BAM Aug.	505002	6993730
404880	BAM Aug.	505119	6993863
404881	BAM Aug.	505178	6993929
404882	BAM Aug.	505223	6993987
404883	BAM Aug.	505280	6994064
404884	BAM Aug.	505340	6994133
404885	BAM Aug.	505387	6994184
404886	BAM Aug.	505461	6994266
404887	BAM Aug.	505522	6994342
404888	BAM Aug.	505584	6994418
404889	BAM Aug.	505647	6994499
404890	BAM Aug.	505708	6994572
404891	BAM Aug.	505776	6994650
404892	BAM Aug.	505840	6994727
404893	BAM Aug.	505899	6994799
404894	BAM Aug.	505960	6994878
404895	BAM Aug.	506025	6994957
404896	BAM Aug.	506085	6995036
404897	BAM Aug.	506141	6995109
404898	BAM Aug.	500390	6989747
404899	BAM Aug.	500381	6989855
404900	BAM Aug.	500363	6989953
404901	BAM Aug.	500864	6990767
404902	BAM Aug.	500847	6990868
404903	BAM Aug.	500821	6990968
404904	BAM Aug.	500799	6991152
404905	BAM Aug.	500779	6991252
404906	BAM Aug.	500754	6991343
404907	BAM Aug.	500708	6991433
404908	BAM Aug.	500614	6991829
404909	BAM Aug.	500640	6991725
404910	BAM Aug.	500661	6991626
404911	BAM Aug.	500687	6991531
404912	BAM Aug.	503482	6993096
404913	BAM Aug.	503417	6993188
404914	BAM Aug.	503132	6993508
404915	BAM Aug.	503047	6993587
404916	BAM Aug.	503754	6992758
404917	BAM Aug.	503814	6992694
404918	BAM Aug.	504052	6992472
404919	BAM Aug.	504678	6991854
404920	BAM Aug.	504736	6991787
404921	BAM Aug.	500002	6997995
404922	BAM Aug.	500039	6997857
404923	BAM Aug.	500050	6997739
404924	BAM Aug.	500069	6997650
404925	BAM Aug.	500087	6997548
404926	BAM Aug.	500104	6997468
404927	BAM Aug.	500122	6997361
404928	BAM Aug.	500141	6997266
404929	BAM Aug.	500165	6997119
404930	BAM Aug.	500188	6997014
404931	BAM Aug.	500206	6996922
404932	BAM Aug.	500242	6996713
404933	BAM Aug.	500264	6996611
404934	BAM Aug.	500281	6996508
404935	BAM Aug.	500299	6996409
404936	BAM Aug.	500316	6996301
404937	BAM Aug.	500346	6996191
404938	BAM Aug.	500358	6996096
404939	BAM Aug.	500374	6996000
404940	BAM Aug.	500402	6995858
387	NMT Oct.	500100	6997920
388	NMT Oct.	500200	6997920
389	NMT Oct.	500300	6997920
390	NMT Oct.	500400	6997920

SAMPLE #	Survey	utmEASTING	utmNORTHING
391	NMT Oct.	500500	6997920
392	NMT Oct.	500600	6997920
393	NMT Oct.	500700	6997920
394	NMT Oct.	500800	6997920
395	NMT Oct.	500900	6997920
396	NMT Oct.	501000	6997920
397	NMT Oct.	501100	6997920
398	NMT Oct.	501200	6997920
399	NMT Oct.	501300	6997920
400	NMT Oct.	501400	6997920
401	NMT Oct.	501500	6997920
402	NMT Oct.	500100	6998120
403	NMT Oct.	500200	6998120
404	NMT Oct.	500300	6998120
405	NMT Oct.	500400	6998120
406	NMT Oct.	500500	6998120
407	NMT Oct.	500600	6998120
408	NMT Oct.	500700	6998120
409	NMT Oct.	500800	6998120
410	NMT Oct.	500900	6998120
411	NMT Oct.	501000	6998120
412	NMT Oct.	501100	6998120
413	NMT Oct.	501200	6998120
414	NMT Oct.	501300	6998120
415	NMT Oct.	501400	6998120
416	NMT Oct.	501500	6998120
417	NMT Oct.	501600	6998120
418	NMT Oct.	501700	6998120
419	NMT Oct.	501800	6998120
420	NMT Oct.	501600	6997920
421	NMT Oct.	501700	6997920
422	NMT Oct.	501800	6997920
423	NMT Oct.	501600	6997720
424	NMT Oct.	501700	6997720
425	NMT Oct.	501800	6997720
426	NMT Oct.	500100	6998320
427	NMT Oct.	500200	6998320
428	NMT Oct.	500300	6998320
429	NMT Oct.	500400	6998320
430	NMT Oct.	500500	6998320
431	NMT Oct.	500600	6998320
432	NMT Oct.	500700	6998320
433	NMT Oct.	500800	6998320
434	NMT Oct.	500900	6998320
435	NMT Oct.	501000	6998320
436	NMT Oct.	501100	6998320
437	NMT Oct.	501200	6998320
438	NMT Oct.	501300	6998320
439	NMT Oct.	501400	6998320

SAMPLE #	Survey	utmEASTING	utmNORTHING
440	NMT Oct.	501500	6998320
441	NMT Oct.	500100	6998520
442	NMT Oct.	500200	6998520
443	NMT Oct.	500300	6998520
444	NMT Oct.	500400	6998520
445	NMT Oct.	500500	6998520
446	NMT Oct.	500600	6998520
447	NMT Oct.	500700	6998520
448	NMT Oct.	500800	6998520
449	NMT Oct.	500900	6998520
450	NMT Oct.	501000	6998520
451	NMT Oct.	501100	6998520
452	NMT Oct.	501200	6998520
453	NMT Oct.	501300	6998520
454	NMT Oct.	501400	6998520
455	NMT Oct.	501500	6998520
456	NMT Oct.	500100	6998720
457	NMT Oct.	500200	6998720
458	NMT Oct.	500300	6998720
459	NMT Oct.	500400	6998720
460	NMT Oct.	500500	6998720
461	NMT Oct.	500600	6998720
462	NMT Oct.	500700	6998720
669	NMT Oct.	500100	6997720
670	NMT Oct.	500200	6997720
671	NMT Oct.	500300	6997720
672	NMT Oct.	500400	6997720
673	NMT Oct.	500500	6997720
674	NMT Oct.	500600	6997720
675	NMT Oct.	500700	6997720
676	NMT Oct.	500800	6997720
677	NMT Oct.	500900	6997720
678	NMT Oct.	501000	6997720
679	NMT Oct.	501100	6997720
680	NMT Oct.	501200	6997720
681	NMT Oct.	501300	6997720
682	NMT Oct.	501400	6997720
683	NMT Oct.	501500	6997720
684	NMT Oct.	500100	6997520
685	NMT Oct.	500200	6997520
686	NMT Oct.	500300	6997520
687	NMT Oct.	500400	6997520
688	NMT Oct.	500500	6997520
689	NMT Oct.	500600	6997520
690	NMT Oct.	500700	6997520
691	NMT Oct.	500800	6997520
692	NMT Oct.	500900	6997520
693	NMT Oct.	501000	6997520
694	NMT Oct.	501100	6997520

SAMPLE #	Survey	utmEASTING	utmNORTHING
695	NMT Oct.	501200	6997520
696	NMT Oct.	501300	6997520
697	NMT Oct.	501400	6997520
698	NMT Oct.	501500	6997520
699	NMT Oct.	501600	6997520
700	NMT Oct.	501700	6997520
701	NMT Oct.	501800	6997520

Stream Sediment Samples

Sample No.	UTM Easting	UTM Northing	NOTES
402801	499999	6994550	
402857	500000	6993980	Piddley Creek
402851	500000	6995871	Blood Creek
402854	500000	6997228	Ensign Creek
402859	500000	6998522	Factory Post Ck
402860	500000	6999985	Vein Creek
402861	500000	7001114	Longhaul Creek
402802	500002	6994876	
402885	500002	6991809	Moly Ck at Border
402886	500004	6991408	Halfmoon Ck
402887	500006	6990735	Ryma Creek
402805	500008	6993405	
402852	500026	6992224	Mud Creek
402853	500260	6992622	Mud Creek
402803	500490	6994992	
402804	500493	6995052	
402889	501160	6989420	Camp Creek
402855	501246	6992273	S. Branch Moly Ck
402858	501310	6992383	N. Branch Moly Ck
402856	501323	6992244	S. Branch Moly Ck
402863	504659	6985723	Fe Creek
402862	505103	6985686	Poplar Creek
402873	506786	6984574	Acid Creek
402874	506880	6986744	Joan of Arc Creek
402866	506907	6985637	Misty Creek
402806	507200	6982900	Acid Creek
402890	507277	6990571	
402867	508091	6985165	Chameleon Creek
402900	508224	6991396	
402899	508315	6991357	
402872	508460	6984125	Submarine Creek
402881	508483	6988058	
402883	508630	6986232	
402891	508800	6990106	
402892	509023	6989763	
402893	509133	6989800	
402864	509153	6985165	Chameleon Creek
402871	509303	6983601	Russian Creek
402888	509552	6986371	
402882	509694	6986994	
402884	509787	6986408	
402870	509980	6984233	Left Breast Creek
402895	510069	6990345	
402894	510119	6990283	
402898	510243	6990958	
402868	510278	6984760	Hawk Creek
402869	510361	6984230	Right Breast Creek
402897	510376	6990935	
402896	510445	6990358	
402875	510834	6982150	Ice Cream Truck Ck
402876	510886	6982003	Neopolitan Creek
402877	511063	6981843	Strawberry Creek
402879	511378	6981246	Neopolitan Creek
402880	511434	6981257	Hash Creek
402878	511452	6981175	Tapeworm Creek

Regional Rock Samples

SAMPLE#	UTM EASTING	UTM NORTHING	GRID E	GRID N	NOTES
403749	504750	6988750			Jeff's Qz vein in Wine Creek
403899	502100	6995800			Silicified/veined rusty granodiorite
403900	504250	6992050			Phyllic altered granodiorite at M vein trench
403927					uknwn loc'n HalfNail Hill silic g'diorite?
403951	500950	6995166			Quartz Vein Float
403952	501200	6995250			Pegmatitic Qz, in situ
403953	500254	6991900			Qz float Moly Ck; galena+aspy+malachite
403954	501221	6992275			MoS2 in Leucogranite/aplite
403955	501221	6992276			Qz float Moly Ck; tr py; f.g. felsic dyke wallrock
403956	501300	6992363			Qz float Moly Creek; abd FeO and MnO crust
403957	501270	6992341			Qz float Moly Ck; sugary Qz with no sulphides
403958	501248	6992329			Qz vein and vein breccia Moly Ck; gal +aspy
403959	501232	6992308			Qz float Moly Creek; FeO in vugs and pits
403960	501166	6992274			Qz float Moly Creek; FeO in vugs and pits
403961	501126	6992254			Qz boulder Moly Ck; abd limonite in vugs/pits
403962	501094	6992251			Qz boulder Moly Ck; boxwork and minor pyrite
403964	501920	6989591	-100	10	Quartz vein in situ with V.G. in roadbed
403965	501901	6989621	-125	30	Quartz vein in situ in roadbed with muscovite
403966	502670	6990250	560	680	Upper Swamp Creek; minor py and aspy
403967	502810	6990390	700	815	Upper Swamp Creek; minor galena and musc
403968	502960	6990550	850	970	Upper Swamp Creek; 2% gal 1% sphal
403969	503030	6990700	925	1130	Qz Float 1130N 925E
403970	503330	6990770	1225	1200	Pegmatitic Qz 1200N 1225E
403971	503270	6990620	1045	1160	Qz Vein 1160N 1045E
403972	503270	6990620	1045	1160	Qz Vein 1160N 1045E
403973	503430	6990050	1320	470	Qz Boulder Soya Creek
403974	500944	6992227			Prob Qz float in Moly Ck; suspect co-ordinates

Appendix 2

Regional Soil Analyses

Northern
Analytical
Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	200601	<5	<5
s	200602	<5	
s	200603	8	
s	200604	<5	
s	200605	<5	
s	200606	<5	
s	200607	<5	
s	200608	<5	
s	200609	<5	
s	200610	<5	
s	200611	<5	<5
s	200612	<5	
s	200613	5	
s	200614	<5	
s	200615	38	
s	200616	5	
s	200617	7	
s	200618	17	
s	200619	5	
s	200620	<5	
	Au geo std	493	
s	200621	<5	
s	200622	<5	5
s	200623	<5	
s	200624	<5	
s	200625	5	
s	200626	<5	
s	200627	<5	
s	200628	<5	
s	200629	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	200630	8	
s	200631	10	
s	200632	<5	<5
s	200633	<5	
s	200634	<5	
s	200635	<5	
s	200636	<5	
s	200637	<5	
s	200638	<5	
s	200639	<5	
s	200640	<5	
	Au geo std	445	
s	200641	<5	
s	200642	<5	
s	200643	6	<5
s	200644	<5	
s	200645	<5	
s	200646	<5	
s	200647	<5	
s	200648	<5	
s	200649	6	
s	200650	9	
s	200651	6	
s	200652	<5	
s	200653	5	
s	200654	6	<5
s	200655	7	
s	200656	7	
s	200657	8	
s	200658	5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by JR

	Sample #	Au 30g ppb	rep Au 30g ppb
s	200659	<5	
s	200660	<5	
	Au geo std	476	
s	200661	<5	
s	200662	<5	
s	200663	5	
s	200664	<5	7
s	200665	<5	
s	200666	11	
s	200667	<5	
s	200668	<5	
s	200669	5	
s	200670	6	
s	200671	10	
s	200672	8	
s	200673	59	
s	200674	<5	
s	200675	<5	<5
s	200676	<5	
s	200677	5	
s	200678	<5	
s	200679	<5	
s	200680	5	
p	OPL 990901-1	49	
	Au geo std	480	
s	200681	<5	
s	200682	8	
s	200683	5	
s	200684	5	
s40	200685	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	200686	<5	5
s	200687	5	
s	200688	8	
s	200689	6	
s	200690	<5	
s	200691	5	
s	200692	7	
s	200693	13	
s	200694	<5	
s	200695	5	6
s	200696	6	
s	200697	7	
s	200698	5	
s	200699	6	
s	200700	6	
	Au geo std	491	
s	200701	<5	
s	200702	<5	
s	200703	6	
s	200704	5	
s	200705	7	
s	200706	<5	57
s	200707	5	
s	200708	8	
s	200709	9	
s	200710	11	
s	200711	8	
s	200712	8	
s	200713	12	
s	200714	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	200715	14	
s	200716	8	8
s	200717	8	
s	200718	8	
s	200719	11	
s	200720	7	
	Au geo std	468	
s	200721	12	
s	200722	16	
s	200723	6	
s	200724	<5	
s	200725	6	
s	200726	7	
s	200727	9	5
s	200728	9	
s	200729	8	
s	200730	9	
s	200731	10	
s	200732	6	
s	200733	6	
s	200734	6	
s	200735	5	
s	200736	5	
s	200737	6	6
s	200738	5	
s	200739	10	
s	200740	5	
	Au geo std	485	
s	200741	<5	
s	200742	5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	200743	6	
s	200744	8	
s	200745	<5	
s	200746	<5	
s	200747	<5	
s	200748	<5	7
s	200749	5	
s	200750	8	
s	200751	<5	
s	200752	<5	
s	200753	<5	
s	200754	<5	
s	200755	5	
s	200756	6	
s	200757	<5	
s	200758	<5	<5
s	200759	<5	
s	200760	5	
	Au geo std	454	
s	200761	<5	
s	200762	<5	
s	200763	<5	
s	200764	5	
s	200765	<5	
s	200766	6	
s	200767	<5	
s	200768	<5	
s	200769	<5	<5
s	200770	<5	
s	200771	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	200772	20	
s	200773	5	
s	200774	<5	
s	200775	<5	
s	200776	<5	
s	200777	7	
s	200778	<5	
s	200779	<5	<5
s	200780	7	
	Au geo std	465	
s	200781	<5	
s	200782	7	
s	200783	<5	
s	200784	<5	
s	200785	<5	
s	200786	<5	
s	200787	<5	
s	200788	<5	
s	200789	<5	
s	200790	<5	
s	200791	5	
s	200792	6	
s	200793	<5	
s	200794	5	
s	200795	<5	
s	200796	<5	
s	200801	6	
s	200802	7	
s	200803	<5	
s	200804	7	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	200805	6	
p	OPL 990901-2	47	
	Au geo std	459	
s	200806	6	9
s	200807	<5	
s	200808	<5	
s	200809	5	
s	200810	<5	
s	200811	5	
s	200812	<5	
s	200813	5	
s	200814	6	
s	200815	7	
s	200816	<5	<5
s	200817	<5	
s	200818	<5	
s	200819	6	
s	200820	10	
s	200821	37	
s	200822	<5	
s	200823	10	
s	200824	<5	
s	200825	9	
	Au geo std	485	
s	200826	13	
s	200827	<5	15
s	200828	12	
s	200829	9	
s	200830	<5	
s	200831	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	200832	<5	
s	200833	6	
s	200834	10	
s	200835	8	
s	200836	6	
s	200837	<5	9
s	200838	<5	
s	200839	5	
s	200840	<5	
s	200841	6	
s40	200842	<5	
s	200843	<5	
s	200844	<5	
s	200845	5	
	Au geo std	476	
s	200846	5	
s	200847	6	
s	200848	<5	<5
s	200849	<5	
s	200850	<5	
s	200851	<5	
s	200852	6	
s	200853	6	
s	200854	5	
s	200855	<5	
s	200856	5	
s	200857	<5	
s	200858	<5	<5
s	200859	<5	
s	200860	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	200861	<5	
s	200862	<5	
s	200863	<5	
s	200864	<5	
s	200865	<5	
	Au geo std	476	
s	200866	<5	
s	200867	<5	
s	200868	<5	
s	200869	25	18
s	200870	<5	
s	200871	9	
s	200872	7	
s	200873	<5	
s	200874	<5	
s	200875	8	
s40	200876	<5	
s	200877	9	
s	200878	<5	
s	200879	5	<5
s	200880	10	
s	200881	6	
s	200882	11	
s	200883	7	
s	200884	12	
s	200885	9	
	Au geo std	472	
s	200886	8	
s	200887	<5	
s	200888	5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb	
s	200889	<5		
s	200890	5		
s	200891	<5	5	
s	200892	<5		
s	200893	<5		
s	200894	<5		
s	200895	<5		
s	200896	5		
s	200897	<5		
s	200898	5		
s	200899	5		
s	200900	17	7	6
s	200901	5		
s	200902	<5		
s	200903	5		
s	200904	<5		
s	200905	<5		
	Au geo std	455		
s	200906	10		
s	200907	<5		
s	200908	<5		
s	200909	<5		
s	200910	<5		
s	200911	<5		
s	200912	<5	5	
s	200913	<5		
s	200914	<5		
s	200915	9		
s	200916	<5		
s	200917	6		

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	200918	<5	
s	200919	8	
s	200920	3	
s	200921	<5	6
s	200922	<5	
s	200923	6	
s	200924	<5	
s	200925	<5	
	Au geo std	468	
s	200926	<5	<5
s	200927	<5	
s	200928	5	
s	200929	<5	
s	200930	<5	
s	200931	12	<5
	Au geo std	459	
s	200932	7	
s	200933	5	
s	200934	8	
s	200935	5	
s	200936	5	
s	200937	<5	
s	200938	<5	<5
s	200939	<5	
s	200940	6	
s	200941	<5	
s	200942	5	
s	200943	5	
s	200944	<5	
s	200945	7	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s40	200946	5	
s	200947	<5	
s	200948	<5	<5
s	200949	<5	
s	200950	<5	
s	200951	8	
	Au geo std	485	
s	200952	<5	
s	200953	<5	
s	200954	<5	
s	200955	<5	
s	200956	5	
s	200957	<5	
s	200958	<5	
s	200959	<5	5
s	200960	<5	
s	200961	<5	
s	200962	9	
s	200963	<5	
s	200964	<5	
s	200965	<5	
s	200966	<5	
s	200967	6	
s	200968	10	
s	200969	<5	
s	200970	<5	10
s	200971	6	
	Au geo std	437	
s	200972	<5	
s	200973	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	200974	<5	
s	200975	<5	
s	200976	<5	
s	200977	5	
s	200978	<5	
s	200979	<5	
s	200980	<5	8
s	200981	<5	
s	200982	<5	
s	200983	<5	
s	200984	<5	
s	200985	<5	
s	200986	<5	
s	200987	<5	
s	200988	17	20
s	200989	6	
s	200990	<5	<5
s	200991	<5	
	Au geo std	474	
s	200992	8	
s	200993	<5	<5
s	200994	<5	
s	200995	<5	5
s	200996	8	
s	200997	6	
	Au geo std	461	
s	201301	<5	
s	201302	5	
s	201303	<5	
s	201304	7	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201305	5	
s	201306	<5	
s	201307	<5	
s40	201308	5	
s40	201309	<5	
s	201310	<5	<5
s	201311	<5	
s	201312	<5	
s	201313	<5	
s	201314	24	
s	201315	23	
s	201316	8	
s	201317	8	
s	201318	<5	
s	201319	<5	<5
s	201320	<5	
s	201321	25	
p	OPL 990901-3	107	
	Au geo std	462	
s	201322	45	
s	201323	7	7
s	201324	<5	
s	201325	<5	
s	201326	<5	
s	201327	<5	
s	201328	14	
s	201329	<5	
s	201330	<5	
s	201331	5	
s40	201332	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201333	<5	
s	201334	<5	
s	201335	7	
s	201336	<5	
s	201337	<5	
s	201338	7	
s	201339	<5	
s	201340	<5	
s	201341	<5	5
	Au geo std	463	
s	201342	<5	
s	201343	10	12
s	201344	7	
s	201345	5	
s	201346	<5	
s	201347	<5	
s40	201348	<5	
s	201349	<5	
s	201350	<5	
s	201351	<5	
s40	201352	<5	
s40	201353	6	
s	201354	17	
s	201355	<5	5
s	201356	<5	
s	201357	<5	
s	201358	5	
s	201359	5	
s	201360	5	
s	201361	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
	Au geo std	497	
s	201362	<5	
s	201363	<5	
s	201364	9	
s	201365	<5	
s	201366	5	6
s	201367	<5	
s	201368	<5	
s	201369	<5	
s	201370	9	
s	201371	8	
s	201372	<5	
s	201373	<5	
s	201374	5	
s	201375	<5	
s	201376	<5	
s	201377	<5	
s	201378	<5	7
s	201379	<5	
s	201380	<5	
s	201381	<5	
	Au geo std	484	
s	201382	<5	
s	201383	<5	
s	201384	<5	<5
s	201385	<5	
s	201386	6	
s	201387	<5	
s	201388	<5	
s	201389	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold

WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201390	<5	
s	201391	<5	
s	201392	<5	
s	201393	<5	
s	201394	<5	
s	201395	<5	
s	201396	<5	<5
s	201397	6	
s	201398	5	
s	201399	<5	
s	201400	6	
s40	201401	<5	
	Au geo std	497	
s	201402	<5	
s	201403	<5	
s	201404	<5	
s40	201405	<5	
s	201406	<5	
s	201407	<5	5
s	201408	<5	
s	201409	<5	
s	201410	5	
s	201411	6	
s	201412	5	
s	201413	<5	
s	201414	<5	
s	201415	<5	
s	201416	<5	
s	201417	<5	<5
s	201418	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201419	<5	
s	201420	<5	
s	201421	6	
	Au geo std	469	
s	201422	<5	
s	201423	<5	
s	201424	<5	
s	201425	<5	
s	201426	<5	<5
s	201427	<5	
s	201428	<5	
s	201429	<5	
s	201430	<5	
s	201431	<5	
s	201432	<5	
s	201433	6	
s	201434	<5	
s	201435	5	
s	201436	8	
s	201437	8	8
s	201438	<5	
s	201439	<5	
s	201440	<5	
s	201441	7	
	Au geo std	455	
s	201442	<5	
s	201443	<5	
s	201444	11	
s	201445	<5	
s	201446	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201447	11	
s	201448	<5	<5
s	201449	<5	
s	201450	16	
s	201451	9	
s	201452	6	
s	201453	6	
s	201454	6	
s	201455	8	
s	201456	9	
s	201457	5	
s	201458	5	8
s	201459	6	
s	201460	7	
s	201461	7	
	Au geo std	471	
s	201462	7	
s	201463	<5	
s	201464	5	
s	201465	<5	
s	201466	<5	
s	201467	12	
s	201468	31	
s	201469	18	14
s	201470	42	
s	201471	7	
s	201472	5	
s	201473	5	
s	201474	<5	
s	201475	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201476	<5	
s	201477	<5	
s	201478	8	
s	201479	8	9
s	201480	8	
s	201481	6	
	Au geo std	462	
s	201482	<5	
s	201483	<5	
s	201484	<5	
s	201485	5	
s	201486	7	
s	201487	13	
s	201488	180	
s	201489	40	
s	201490	15	19
s	201491	<5	
s	201492	6	
s	201493	6	
s	201494	<5	
s	201495	11	
s	201496	9	
s	201497	7	
s	201498	5	
s	201499	66	
s	201500	<5	<5
s	201501	<5	
	Au geo std	462	
s	201502	<5	
s	201503	8	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201504	161	
s	201505	8	
s	201506	6	
s	201507	18	
s	201508	15	
s	201509	19	
s	201510	5	
s	201511	5	6
s	201512	5	
s	201513	8	
s	201514	8	
s	201515	13	
s	201516	8	
s	201517	9	
s	201518	7	
s	201519	5	
s	201520	<5	
s	201521	6	<5
	Au geo std	465	
s	201522	7	7
s	201523	<5	
s	201524	<5	
s	201525	<5	
s	201526	<5	
s	201527	18	
s	201528	<5	
s	201529	<5	
s	201530	5	
s	201531	9	
s	201532	7	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201533	5	5
s	201534	8	
s	201535	7	
s	201536	11	
s	201537	13	
s	201538	5	
s	201539	6	
s	201540	7	
s	201541	21	
	Au geo std	459	
s	201542	6	
s	201543	<5	
s	201544	<5	
s	201545	5	
s	201546	17	11
s	201547	5	
s	201548	21	
s	201549	5	
p	201550	1356	
s	201551	6	
s	201552	6	
s	201553	<5	
s	201554	<5	
s	201555	14	
s	201556	<5	
s	201557	<5	
s	201558	<5	<5
s	201559	<5	
s	201560	<5	
s	201561	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
	Au geo std	466	
s	201562	<5	
s	201563	6	
s	201564	<5	
s	201565	<5	
s	201566	<5	
s	201567	<5	
s40	201568	<5	
s	201569	<5	
s	201570	<5	5
s	201571	7	
s	201572	<5	
s	201573	<5	
s40	201574	<5	
s	201575	<5	
s	201576	<5	
s40	201577	<5	
s	201578	<5	<5
s	201579	<5	
s	201580	<5	
s	201581	5	
	Au geo std	460	
s	201582	<5	
s	201583	<5	
s	201584	5	
s	201585	5	
s	201586	<5	
s	201587	7	
s	201588	7	<5
s	201589	7	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201590	5	
s	201591	5	
s	201592	7	
s	201593	<5	
s40	201594	10	
s	201595	21	
s	201596	16	
s	201597	20	
s	201598	12	
s	201599	6	
s	201600	9	6
s	201601	<5	
	Au geo std	443	
s	201602	6	
s	201603	5	
s	201604	<5	
s	201605	<5	
s	201606	<5	
s	201607	5	
s	201608	6	
s	201609	8	
s	201610	12	12
s	201611	9	
s	201612	11	
s	201613	23	
s	201614	6	
s	201615	27	
s	201616	31	
s	201617	24	
s	201618	15	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201619	14	
s	201620	5	8
s	201621	7	
	Au geo std	484	
s	201622	9	
s	201623	9	
s	201624	14	
s	201625	7	
s	201626	12	
s	201627	22	
s	201628	8	
s	201629	6	
s	201630	8	
s	201631	5	<5
s	201632	33	
s	201633	7	
s	201634	5	
s	201635	<5	
s	201636	<5	
s	201637	<5	
s	201638	6	
s	201639	<5	
s	201640	<5	
s	201641	<5	5
	Au geo std	460	
s	201642	<5	7
s	201643	5	
s	201644	5	
s	201645	<5	
s	201646	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201647	<5	
s	201648	14	
s	201649	<5	
s	201650	7	
s	201651	<5	
s	201652	<5	<5
s	201653	<5	
s	201654	<5	
s	201655	<5	
s	201656	<5	
s	201657	<5	
s	201658	7	
s	201659	19	
s	201660	5	
s	201661	8	
p	OPL 990901-4	54	
	Au geo std	470	
s	201662	<5	
s	201663	6	5
s	201664	<5	
p	201664 std	1399	
s	201665	5	
s	201666	13	
s	201667	5	
s	201668	9	
s	201669	6	
s	201670	6	
s	201671	<5	
s	201672	5	8
s	201673	5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201674	6	
s	201675	5	
s	201676	6	
s40	201677	11	
s	201678	13	
s	201679	<5	
s	201680	7	
	Au geo std	481	
s	201681	<5	
s	201682	7	13
s	201683	<5	5
s	201684	<5	
s40	201685	<5	
s	201686	<5	
s	201687	<5	
s	201688	<5	
s	201689	5	
s	201690	<5	
s	201691	<5	
s	201692	<5	
s	201693	<5	
s	201694	<5	
s	201695	<5	
s	201696	<5	
s40	201697	6	
s	201698	<5	
s	201699	5	<5
s	201700	<5	
	Au geo std	474	
s	201701	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201702	5	
s	201703	<5	
s	201704	<5	
s	201705	<5	
s	201706	<5	
s	201707	<5	
s	201708	<5	
s	201709	<5	<5
s	201710	<5	
s	201711	5	
s	201712	2	
s	201713	7	
s	201714	<5	
s	201715	5	
s	201716	<5	<5
s	201717	<5	
s	201718	<5	
s	201719	5	
s	201720	<5	
	Au geo std	470	
s	201721	<5	
s	201722	<5	
s	201723	<5	
s	201724	<5	
s	201725	<5	5
s	201726	5	
s	201727	<5	
s	201728	5	
s	201729	<5	
s	201730	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold

WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	201731	<5	
s	201732	<5	
s	201733	<5	
s	201734	7	
s	201735	6	<5
s	201736	5	
s	201737	<5	
s	201738	5	
s	201739	5	
s	201740	5	
	Au geo std	478	
s	201741	6	
s	201742	10	
s	201743	10	
s	201744	15	
s	201745	6	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	404801	<5	
s	404802	14	
s	404803	7	
s	404804	<5	
s	404805	<5	
s	404806	<5	
s	404807	14	12
s	404808	6	
s	404809	7	
s	404810	24	
s	404811	9	
p	404812	1404	
s	404813	<5	
s	404814	<5	
s	404815	<5	
s	404816	<5	
s	404817	5	<5
s	404818	8	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	404819	<5	
s	404820	<5	
	Au geo std	489	
s	404821	<5	
s	404822	6	
s	404823	6	
s	404824	<5	
p	404825	1400	
s	404826	5	
s	404827	5	
s	404828	6	<5
s	404829	<5	
s	404830	5	
s	404831	<5	
s	404832	6	
s	404833	<5	
s	404834	<5	
s	404835	<5	
s	404836	5	
s	404837	6	
s	404838	7	5
s	404839	6	
s	404840	10	
	Au geo std	483	
s	404841	<5	
s	404842	8	6
s	404843	4	
s	404844	9	
s	404845	<5	
s	404846	8	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold

WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	404847	<5	
s	404848	9	
s	404849	9	
s	404850	6	
s40	404851	7	
s	404852	30	31
s	404853	8	
s	404854	101	
s	404855	9	
s	404856	6	
s	404857	12	
s	404858	7	
s	404859	12	
p	404860	4990	
p	OPL 990901-5	<5	
	Au geo std	462	
s40	404861	11	
s40	404862	6	
s	404863	13	
s	404864	9	
s	404865	7	
s	404866	11	10
s	404867	9	
s	404868	<5	
s40	404869	<5	
s	404870	5	
s	404871	<5	
s40	404872	5	
s40	404873	5	
s40	404874	5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	404875	<5	
s	404876	7	5
s40	404877	5	
s	404878	5	
s	404879	6	
s	404880	9	
	Au geo std	473	
s	404881	7	7
s	404882	8	
s	404883	8	
s	404884	<5	
s	404885	<5	
s	404886	<5	
s	404887	7	
s	404888	10	
s	404889	<5	
s	404890	6	
s	404891	6	
s	404892	5	
s	404893	5	<5
s	404894	<5	
s	404895	<5	
s	404896	<5	
s	404897	<5	
s	404898	5	
s	404899	20	
s	404900	7	
	Au geo std	485	
s	404901	<5	
s	404902	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	404903	5	
s	404904	<5	
s	404905	12	15
s	404906	10	
s	404907	<5	
s	404908	11	
s	404909	5	
s	404910	5	
s	404911	<5	
s	404912	<5	
s	404913	78	
s	404914	13	
s	404915	7	16
s	404916	<5	
s	404917	35	
s	404918	24	
s	404919	<5	
s	404920	8	
	Au geo std	460	
s	404921	6	
p	404921 Std	4866	
s	404922	6	
s	404923	6	
s	404924	6	9
s	404925	6	
s	404926	12	
s	404927	<5	
s	404928	9	
s	404929	7	
s	404930	8	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold

WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	404931	12	
s	404932	12	
s	404933	<5	
s	404934	<5	
s	404935	<5	
s	404936	<5	
s	404937	7	
s	404938	9	
s	404939	9	8
s	404940	24	
	Au geo std	473	

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
200601	P	<	14	8	22	<	<	<	2	<	<	<	4	8	89	<	13	52	152	5	16	1	2	0.09	1.09	0.17	1.57	0.19	0.03	0.04	0.02
200602	P	<	22	12	51	<	<	<	1	<	<	<	14	27	185	<	31	96	314	7	23	7	5	0.16	2.98	0.32	3.58	0.70	0.05	0.04	0.02
200603	P	<	17	13	50	8	<	<	2	<	<	<	11	20	181	<	26	93	276	8	31	6	4	0.15	2.72	0.40	3.38	0.60	0.04	0.04	0.03
200604	P	<	13	6	33	<	<	<	1	<	<	<	6	13	107	<	16	52	193	6	23	2	2	0.10	1.37	0.29	1.88	0.34	0.03	0.05	0.03
200605	P	<	21	14	60	6	<	<	2	<	<	<	12	23	211	<	32	105	418	17	27	6	5	0.13	3.38	0.34	3.82	0.72	0.06	0.04	0.02
200606	P	<	16	14	61	39	<	<	1	<	<	<	12	20	156	<	28	91	454	8	24	4	4	0.11	2.83	0.26	3.58	0.60	0.11	0.04	0.01
200607	P	<	16	14	55	10	<	<	2	<	<	<	10	21	184	<	28	106	396	8	25	5	4	0.15	2.44	0.35	3.45	0.58	0.07	0.04	0.02
200608	P	<	17	11	62	11	<	<	1	<	<	<	11	19	224	<	27	93	449	15	32	6	5	0.14	2.54	0.48	3.33	0.71	0.06	0.04	0.02
200609	P	<	19	12	55	<	<	<	2	<	<	<	11	22	124	<	25	109	420	6	24	4	3	0.17	2.22	0.28	3.82	0.57	0.08	0.03	0.03
200610	P	<	19	11	51	<	<	<	2	<	<	<	11	15	189	<	20	79	988	13	31	3	4	0.10	2.06	0.45	2.86	0.53	0.06	0.04	0.03
200611	P	<	17	12	36	8	<	<	1	<	<	<	9	16	159	<	20	75	308	7	19	5	3	0.11	2.03	0.22	2.55	0.33	0.03	0.03	0.02
200612	P	<	12	7	27	<	<	<	1	<	<	<	4	8	82	<	12	56	99	6	15	2	2	0.09	0.98	0.17	1.64	0.17	0.02	0.04	0.01
200613	P	<	21	13	55	<	<	<	1	<	<	<	12	27	315	<	28	89	853	14	29	5	5	0.10	2.62	0.48	3.40	0.69	0.06	0.04	0.04
200614	P	<	17	9	45	10	<	<	1	<	<	<	8	17	318	<	21	69	385	16	26	3	4	0.09	2.21	0.34	2.47	0.40	0.05	0.05	0.03
200615	P	<	13	12	76	175	<	<	3	<	<	<	11	15	291	<	19	72	869	16	24	2	6	0.11	2.27	0.53	3.43	0.63	0.20	0.04	0.11
200616	P	<	21	9	66	22	<	<	2	<	<	<	13	27	337	<	30	92	862	21	33	2	6	0.13	2.46	0.52	3.50	0.65	0.09	0.04	0.04
200617	P	<	18	9	56	41	<	<	2	<	<	<	11	23	230	<	31	99	355	8	32	6	4	0.14	2.43	0.46	3.33	0.58	0.07	0.04	0.02
200618	P	<	19	10	52	36	<	<	2	<	<	<	11	22	292	<	31	91	429	12	41	6	5	0.14	2.09	0.66	3.06	0.65	0.05	0.05	0.04
200619	P	<	25	10	69	13	<	<	1	<	<	<	13	25	280	<	31	91	369	26	31	4	7	0.14	2.78	0.50	3.37	0.73	0.04	0.04	0.06
200620	P	<	16	11	63	<	<	<	2	<	<	<	12	18	242	<	24	82	895	13	48	4	5	0.11	2.17	0.72	3.09	0.65	0.05	0.04	0.05
200621	P	<	17	13	54	10	<	<	1	<	<	<	11	23	194	<	28	93	261	8	23	7	4	0.10	2.66	0.34	3.35	0.64	0.05	0.03	0.03
200622	P	<	20	10	53	<	<	<	2	<	<	<	13	20	207	<	31	91	377	11	35	10	5	0.14	2.23	0.58	3.22	0.73	0.04	0.05	0.03
200623	P	<	23	8	50	<	<	<	1	<	<	<	10	25	169	<	28	77	275	8	49	5	4	0.13	1.76	1.11	2.59	0.65	0.05	0.08	0.05
200624	P	<	24	10	60	11	<	<	1	<	<	<	13	24	338	<	30	85	488	14	56	5	7	0.12	2.79	0.97	3.27	0.69	0.05	0.06	0.05
200625	P	<	18	11	58	<	<	<	1	<	<	<	11	17	326	<	26	69	543	13	44	3	5	0.10	2.12	0.73	2.68	0.62	0.05	0.05	0.06
200626	P	<	23	13	60	<	<	<	1	<	<	<	12	21	470	<	28	86	515	18	44	3	6	0.12	2.47	0.77	3.29	0.66	0.06	0.05	0.06
200627	P	<	19	8	64	<	<	<	3	<	<	2.8	11	18	343	<	23	76	787	13	57	5	5	0.09	1.98	1.02	2.99	0.69	0.05	0.05	0.07
200628	P	<	27	8	59	8	<	<	1	<	<	<	10	23	305	<	29	75	305	13	35	6	6	0.13	2.25	0.61	2.90	0.69	0.05	0.05	0.06
200629	P	<	18	9	54	12	<	<	2	<	<	<	10	18	347	<	25	69	343	11	40	2	4	0.08	2.13	0.60	2.63	0.58	0.04	0.04	0.04
200630	P	<	13	8	54	8	<	<	1	<	<	<	10	16	185	<	21	65	337	10	32	4	4	0.11	1.55	0.69	2.44	0.63	0.05	0.05	0.07
200631	P	0.1	23	9	65	10	<	<	1	<	<	<	12	22	197	<	29	86	364	10	38	5	5	0.13	1.96	0.70	2.97	0.69	0.05	0.06	0.07
200632	P	<	16	11	66	8	<	<	1	<	<	<	13	22	207	<	27	94	429	10	27	4	4	0.13	2.30	0.51	3.33	0.70	0.04	0.04	0.06
200633	P	<	16	9	51	<	<	<	1	<	<	<	8	18	217	<	22	71	314	10	27	3	4	0.09	2.08	0.39	2.60	0.53	0.05	0.04	0.02
200634	P	<	21	10	64	<	<	<	2	<	<	<	13	23	254	<	30	95	565	18	38	7	6	0.14	2.32	0.65	3.52	0.86	0.05	0.04	0.06
200635	P	<	28	13	64	7	<	<	1	<	<	<	12	26	241	<	32	93	382	11	37	8	6	0.16	2.92	0.60	3.39	0.78	0.06	0.05	0.05
200636	P	<	20	12	52	<	<	<	1	<	<	<	13	20	192	<	28	102	371	9	25	11	5	0.12	2.80	0.35	3.60	0.67	0.04	0.04	0.02
200637	P	<	20	16	51	8	<	<	2	<	<	<	12	26	146	<	30	140	289	7	18	7	4	0.19	2.73	0.24	4.39	0.57	0.04	0.03	0.02
200638	P	<	13	12	53	<	<	<	2	<	<	<	9	17	147	<	27	109	312	7	16	4	3	0.09	2.45	0.20	3.67	0.54	0.04	0.03	0.02
200639	P	<	16	10	48	5	<	<	2	<	<	<	10	19	171	<	28	96	279	6	27	5	4	0.14	2.22	0.37	3.08	0.59	0.03	0.03	0.01
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 9910916

2036 Columbia Street
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
200640	P	<	21	10	54	11	<	<	2	<	<	<	12	24	209	<	37	107	396	13	34	8	6	0.17	2.83	0.46	3.50	0.73	0.04	0.04	0.01
200641	P	<	16	10	48	8	<	<	2	<	<	<	12	19	210	<	26	99	480	12	31	7	5	0.17	2.59	0.44	3.11	0.54	0.05	0.05	0.02
200642	P	<	17	16	58	<	<	<	3	<	<	<	11	15	204	<	26	105	473	14	37	5	5	0.19	2.79	0.48	3.63	0.65	0.07	0.05	0.03
200643	P	<	17	9	54	6	<	<	1	<	<	<	14	21	136	<	27	94	888	7	24	4	4	0.15	2.54	0.32	3.33	0.56	0.07	0.04	0.02
200644	P	<	20	10	52	6	<	<	1	<	<	<	12	27	172	<	33	101	325	7	28	6	4	0.17	2.89	0.36	3.42	0.59	0.06	0.04	0.02
200645	P	<	18	9	57	14	<	<	2	<	<	<	13	21	182	<	35	97	558	8	33	7	4	0.16	2.70	0.47	3.33	0.65	0.05	0.04	0.02
200646	P	<	23	15	64	17	<	<	2	<	<	<	15	31	243	5	36	112	371	9	28	8	5	0.18	3.40	0.41	3.89	0.74	0.06	0.04	0.02
200647	P	<	16	10	48	12	<	<	2	<	<	<	10	20	137	<	25	97	313	6	24	5	4	0.16	2.15	0.34	3.12	0.53	0.04	0.04	0.02
200648	P	<	20	15	73	17	<	<	2	<	<	<	16	32	187	<	33	101	564	7	29	4	4	0.14	2.99	0.43	3.74	0.70	0.05	0.04	0.06
200649	P	<	18	15	79	11	<	<	4	<	<	<	14	26	172	<	40	142	419	7	24	7	4	0.16	2.84	0.26	5.52	0.64	0.06	0.03	0.07
200650	P	<	21	13	63	66	<	<	1	<	<	<	15	27	162	<	40	104	468	7	32	11	6	0.19	3.13	0.53	3.70	0.72	0.09	0.05	0.03
200651	P	<	16	15	63	18	<	<	2	<	<	<	11	18	181	<	22	75	425	16	50	5	6	0.17	2.18	0.96	2.78	0.66	0.10	0.06	0.07
200652	P	<	14	<	18	<	<	<	<	<	<	<	3	7	63	<	10	33	89	5	19	1	1	0.07	0.73	0.22	1.13	0.12	0.03	0.05	0.02
200653	P	<	27	12	56	14	<	<	1	<	<	<	15	29	321	<	33	92	958	17	48	3	8	0.16	3.13	0.70	3.43	0.62	0.08	0.05	0.06
200654	P	<	24	13	53	15	<	<	1	<	<	<	11	28	192	<	30	90	280	9	33	8	5	0.18	3.10	0.53	3.24	0.64	0.07	0.05	0.02
200655	P	<	23	10	59	<	<	<	1	<	<	<	13	19	216	<	30	103	345	14	46	13	6	0.22	2.59	0.74	3.37	0.72	0.09	0.05	0.05
200656	P	<	38	11	74	14	<	<	2	<	<	2.2	16	32	297	<	35	112	548	19	50	19	9	0.24	3.09	0.94	3.99	0.80	0.12	0.06	0.06
200657	P	<	17	12	55	6	<	<	1	<	<	<	15	17	186	<	24	92	886	13	34	5	5	0.15	2.25	0.59	3.03	0.54	0.05	0.04	0.06
200658	P	<	19	8	53	7	<	<	2	<	<	<	13	16	192	<	25	86	425	13	39	4	5	0.14	2.30	0.61	3.09	0.54	0.03	0.04	0.06
200659	P	<	22	14	62	36	<	<	2	<	<	<	12	13	243	<	22	91	379	24	34	5	8	0.12	2.76	0.56	3.24	0.60	0.10	0.04	0.06
200660	P	<	27	11	69	12	<	<	2	<	<	<	13	22	242	<	26	107	454	13	61	10	6	0.24	2.92	0.94	3.60	0.80	0.15	0.07	0.06
200661	P	<	22	13	63	<	<	<	2	<	<	<	15	25	200	<	36	118	425	11	44	12	7	0.23	2.71	0.70	3.65	0.78	0.06	0.05	0.02
200662	P	<	30	17	73	11	<	<	2	<	<	<	18	27	298	<	33	130	514	13	38	12	7	0.27	4.19	0.57	4.32	0.92	0.07	0.05	0.03
200663	P	<	29	12	60	13	<	<	1	<	<	<	16	30	208	<	40	117	371	10	40	11	7	0.22	3.45	0.59	3.76	0.80	0.08	0.05	0.03
200664	P	<	22	8	71	7	<	<	1	<	<	<	20	25	235	<	33	134	567	9	29	8	6	0.29	3.47	0.56	4.37	0.99	0.22	0.04	0.05
200665	P	<	33	11	62	5	<	<	2	<	<	<	14	29	177	<	43	118	380	13	41	12	7	0.20	3.07	0.61	3.83	0.82	0.05	0.05	0.02
200666	P	<	18	9	72	<	<	<	1	<	<	<	16	18	146	<	22	111	619	13	32	4	6	0.23	2.49	0.67	3.80	0.88	0.10	0.04	0.07
200667	P	<	14	14	65	<	<	<	2	<	<	<	14	13	124	<	13	86	571	7	21	3	4	0.19	2.53	0.46	3.25	0.66	0.06	0.04	0.06
200668	P	<	20	11	59	<	<	<	2	<	<	<	13	21	288	<	29	105	427	11	27	7	5	0.12	2.83	0.40	3.75	0.74	0.05	0.03	0.02
200669	P	<	29	11	64	6	<	<	<	<	<	<	16	31	264	<	39	109	465	16	38	15	7	0.23	2.77	0.62	3.60	0.86	0.06	0.05	0.03
200670	P	<	32	14	75	20	<	<	1	<	<	<	21	31	204	<	47	125	433	11	31	17	8	0.20	3.81	0.36	4.11	0.73	0.06	0.05	0.02
200671	P	0.7	22	33	98	62	<	<	1	<	<	<	15	24	207	<	37	106	724	12	55	6	8	0.24	3.19	1.15	4.00	0.96	0.11	0.06	0.06
200672	P	0.6	25	27	75	32	<	<	2	<	<	<	18	29	257	<	43	124	489	11	49	14	7	0.24	3.92	0.71	4.23	0.85	0.08	0.05	0.02
200673	P	0.2	22	42	108	170	5	<	2	<	<	<	16	26	160	<	32	118	831	14	36	9	8	0.24	3.10	0.64	4.18	0.98	0.09	0.05	0.03
200674	P	<	31	25	88	14	<	<	2	<	<	<	21	28	228	<	30	158	800	9	20	7	9	0.26	4.55	0.27	5.34	0.94	0.10	0.04	0.03
200675	P	<	21	19	80	21	<	<	3	<	<	<	18	21	264	<	33	132	617	10	32	12	9	0.25	3.66	0.49	4.66	1.12	0.08	0.04	0.01
200676	P	<	27	11	64	10	<	<	1	<	<	<	13	22	181	<	31	106	451	13	40	14	8	0.24	2.44	0.75	3.53	0.79	0.08	0.06	0.04
200677	P	<	36	10	62	7	<	<	1	<	<	<	14	25	187	<	31	89	402	11	44	11	7	0.17	2.39	0.86	3.22	0.71	0.06	0.07	0.04
200678	P	<	35	9	53	5	<	<	1	<	<	<	13	24	206	<	29	85	429	11	50	6	6	0.15	2.12	1.01	2.95	0.70	0.05	0.07	0.06
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 9910916

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
200679	P	<	34	7	60	7	<	<	1	<	<	<	12	27	182	<	31	89	353	10	45	8	6	0.13	1.94	0.93	2.94	0.71	0.05	0.06	0.06
200680	P	<	25	12	59	9	<	<	1	<	<	<	10	23	164	<	26	77	330	9	35	4	4	0.12	1.89	0.62	2.64	0.60	0.04	0.05	0.05
OPL 990901-1	P	<	36	24	101	98	6	<	1	<	<	<	14	26	407	<	24	74	735	23	55	30	7	0.11	4.18	0.44	2.87	0.53	0.69	0.08	0.05
200681	P	<	21	14	62	10	<	<	1	<	<	<	11	17	181	<	25	77	419	9	35	5	5	0.13	1.98	0.60	2.87	0.56	0.03	0.05	0.05
200682	P	<	15	13	59	<	<	<	1	<	<	<	10	14	138	<	21	69	286	7	30	4	4	0.12	1.71	0.61	2.83	0.54	0.04	0.05	0.05
200683	P	<	25	12	56	6	<	<	1	<	<	<	11	22	171	<	27	77	286	8	36	5	4	0.12	2.04	0.65	2.80	0.63	0.03	0.06	0.04
200684	P	0.2	30	19	79	20	<	<	1	<	<	<	15	27	290	<	31	87	835	14	46	7	7	0.15	2.70	0.83	3.31	0.74	0.05	0.05	0.04
200685	P	0.2	30	21	73	20	<	<	2	<	<	<	16	21	288	<	30	95	732	12	38	9	7	0.15	2.96	0.72	3.68	0.67	0.06	0.04	0.04
200686	P	<	20	28	87	12	<	<	1	<	<	<	13	20	186	<	29	95	397	7	28	6	4	0.12	2.36	0.48	3.45	0.82	0.05	0.04	0.03
200687	P	<	29	16	73	11	<	<	2	<	<	<	21	26	309	<	30	119	489	8	27	11	5	0.26	4.20	0.42	4.44	1.09	0.11	0.04	0.03
200688	P	1.0	20	59	129	73	17	<	2	<	<	<	13	20	248	<	31	88	448	9	31	11	5	0.14	2.39	0.51	3.43	0.77	0.06	0.05	0.03
200689	P	<	24	14	59	9	33	<	1	<	<	<	13	20	219	<	30	95	462	10	33	11	5	0.16	2.25	0.59	3.30	0.69	0.05	0.04	0.04
200690	P	<	24	10	58	<	<	<	1	<	<	<	13	21	189	<	27	84	384	9	36	12	5	0.15	2.10	0.71	3.07	0.70	0.07	0.05	0.04
200691	P	0.4	18	29	74	16	<	<	3	<	<	<	15	17	268	<	24	95	1054	8	39	2	4	0.11	1.92	0.68	3.00	0.57	0.05	0.04	0.05
200692	P	0.1	18	23	64	11	<	<	1	<	<	<	12	19	188	<	30	105	308	6	26	7	4	0.17	2.84	0.48	3.52	0.71	0.06	0.03	0.03
200693	P	<	22	11	65	8	<	<	1	<	<	<	14	18	299	<	25	101	455	7	29	5	5	0.20	2.92	0.56	3.62	0.86	0.13	0.04	0.05
200694	P	<	22	16	55	12	<	<	2	<	<	<	13	22	172	<	30	113	342	7	22	11	5	0.15	3.02	0.27	3.74	0.60	0.05	0.03	0.03
200695	P	<	34	13	63	24	<	<	2	<	<	<	16	32	550	<	38	100	425	18	24	10	9	0.11	4.00	0.37	3.98	0.76	0.09	0.04	0.04
200696	P	<	43	14	62	22	<	<	1	<	<	<	14	38	240	<	44	102	432	20	45	17	9	0.16	3.36	0.56	3.85	0.79	0.05	0.04	0.03
200697	P	<	21	12	44	6	<	<	1	<	<	<	10	16	157	<	28	86	253	7	27	7	4	0.13	2.50	0.38	2.91	0.52	0.04	0.03	0.01
200698	P	0.1	29	16	69	9	<	<	2	<	<	<	11	20	227	<	32	88	367	12	43	8	6	0.14	3.05	0.74	3.39	0.61	0.06	0.04	0.04
200699	P	<	20	12	57	15	<	<	1	<	<	<	12	19	197	<	26	87	575	11	44	5	5	0.15	2.61	0.63	3.22	0.65	0.06	0.04	0.04
200700	P	<	23	13	59	10	<	<	2	<	<	<	14	26	148	<	29	94	484	11	25	8	5	0.15	2.65	0.39	3.36	0.64	0.05	0.04	0.04
200701	P	<	16	14	35	<	<	<	2	<	<	<	10	11	99	<	18	64	482	9	21	2	3	0.10	1.66	0.26	2.06	0.30	0.04	0.04	0.03
200702	P	<	22	11	71	14	<	<	3	<	<	<	14	22	264	<	32	96	544	12	31	5	5	0.17	2.86	0.50	3.46	0.73	0.06	0.04	0.04
200703	P	<	16	61	64	8	<	<	1	<	<	<	11	20	181	<	29	79	447	8	30	3	4	0.13	2.05	0.48	2.83	0.64	0.04	0.04	0.06
200704	P	<	16	58	70	14	<	<	1	<	<	<	12	22	212	<	30	91	455	9	35	4	4	0.15	2.07	0.56	2.97	0.68	0.05	0.04	0.04
200705	P	<	26	13	61	7	<	<	<	<	<	<	14	27	268	<	34	88	391	14	33	4	5	0.13	2.55	0.50	3.43	0.78	0.07	0.04	0.07
200706	P	<	28	10	63	11	<	<	<	<	<	<	12	32	244	<	33	98	250	10	26	6	5	0.14	2.78	0.49	4.31	0.83	0.07	0.04	0.06
200707	P	<	24	13	68	15	<	<	1	<	<	<	14	29	183	<	31	94	554	11	26	4	4	0.14	2.49	0.47	3.48	0.80	0.08	0.04	0.07
200708	P	<	22	11	75	21	<	<	2	<	<	<	14	29	198	<	30	91	780	11	31	3	4	0.16	2.10	0.61	3.42	0.82	0.10	0.05	0.07
200709	P	<	22	15	66	21	<	<	1	<	<	<	12	27	211	<	32	89	278	11	28	4	5	0.17	2.64	0.56	2.96	0.86	0.08	0.05	0.07
200710	P	<	20	11	73	12	<	<	1	<	<	<	13	21	178	<	29	82	648	9	34	3	4	0.15	2.02	0.63	3.08	0.77	0.10	0.05	0.07
200711	P	<	23	12	82	21	<	<	2	<	<	<	15	27	265	<	33	99	788	10	40	3	4	0.15	2.46	0.68	3.53	0.83	0.08	0.05	0.05
200712	P	<	25	12	78	43	<	<	1	<	<	<	14	30	221	<	33	90	557	14	35	4	5	0.17	2.62	0.65	3.60	0.88	0.11	0.05	0.07
200713	P	<	21	12	77	16	<	<	1	<	<	<	14	27	243	<	33	90	402	14	35	6	6	0.19	2.58	0.70	3.56	0.88	0.11	0.05	0.07
200714	P	<	19	14	61	16	<	<	2	<	<	<	13	19	219	<	31	77	649	11	38	4	4	0.13	2.37	0.70	3.01	0.75	0.06	0.05	0.08
200715	P	<	17	16	72	62	<	<	<	<	<	<	13	20	178	<	28	82	400	12	31	4	4	0.15	2.05	0.62	3.44	0.80	0.11	0.04	0.07
200716	P	<	25	21	73	36	<	<	2	<	<	<	15	26	248	<	31	78	848	15	36	4	6	0.13	2.40	0.58	3.31	0.78	0.09	0.04	0.06
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia Street
Vancouver, B
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99I0916

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
200717	P	<	23	13	62	33	<	<	2	<	<	<	14	21	199	<	30	82	477	14	34	4	5	0.14	2.31	0.59	3.13	0.77	0.09	0.04	0.07
200718	P	0.2	29	12	68	15	<	<	1	<	<	<	11	27	228	<	36	78	365	15	37	5	7	0.15	2.37	0.67	3.16	0.84	0.10	0.05	0.07
200719	P	<	28	18	75	63	<	<	3	<	<	<	12	28	222	<	34	76	487	16	35	3	6	0.14	2.50	0.62	3.16	0.85	0.11	0.04	0.07
200720	P	<	22	14	91	36	<	<	3	<	<	<	16	24	277	<	32	88	1324	22	42	2	6	0.13	2.64	0.68	3.74	0.93	0.11	0.05	0.09
200721	P	<	24	14	72	63	<	<	2	<	<	<	13	28	202	<	33	86	415	15	37	5	6	0.18	2.35	0.73	3.32	0.90	0.14	0.06	0.08
200722	P	<	27	10	80	33	<	<	2	<	<	<	15	31	211	<	34	97	635	18	39	4	6	0.19	2.55	0.76	3.70	0.91	0.12	0.06	0.09
200723	P	<	32	13	79	85	<	<	3	<	<	<	15	34	272	<	43	104	815	16	48	8	8	0.19	2.63	0.85	4.00	0.88	0.12	0.08	0.10
200724	P	<	27	21	87	176	<	<	1	<	<	<	19	38	255	<	45	92	811	14	49	3	6	0.17	3.12	0.84	3.79	1.19	0.12	0.09	0.10
200725	P	0.1	31	17	83	665	<	<	3	<	<	2.3	17	32	189	<	34	89	657	11	32	4	6	0.17	3.43	0.55	4.00	0.89	0.12	0.05	0.08
200726	P	<	32	15	75	124	<	<	1	<	<	<	17	40	206	<	41	93	415	13	40	5	6	0.19	3.35	0.67	4.01	1.12	0.12	0.07	0.08
200727	P	<	23	14	61	30	<	<	1	<	<	<	12	26	347	<	28	75	489	11	39	2	4	0.11	2.40	0.60	2.87	0.62	0.07	0.05	0.06
200728	P	<	16	9	58	17	<	<	2	<	<	<	14	23	191	<	25	96	495	9	23	3	3	0.15	2.04	0.37	3.36	0.66	0.08	0.05	0.03
200729	P	<	22	10	53	16	<	<	2	<	<	<	16	24	233	<	28	90	654	11	33	3	4	0.14	2.23	0.53	3.18	0.69	0.07	0.05	0.06
200730	P	0.1	19	11	76	25	<	<	3	<	<	<	16	31	336	<	34	99	683	11	42	3	5	0.18	2.54	0.77	3.59	0.92	0.10	0.06	0.08
200731	P	<	33	18	67	117	<	<	2	<	<	<	14	31	374	<	35	99	677	18	50	3	6	0.14	2.67	0.81	3.67	0.80	0.08	0.07	0.08
200732	P	<	24	10	71	16	<	<	2	<	<	<	14	31	234	<	36	110	529	14	42	4	6	0.20	2.29	0.80	3.64	0.84	0.12	0.06	0.07
200733	P	<	31	14	71	30	<	<	1	<	<	<	16	32	318	<	37	95	831	17	63	4	6	0.15	2.76	0.94	3.42	0.77	0.10	0.07	0.09
200734	P	<	19	9	64	6	<	<	1	<	<	<	12	26	126	<	33	111	423	11	28	4	4	0.19	2.44	0.53	3.93	0.71	0.08	0.05	0.07
200735	P	<	20	18	73	225	<	<	2	<	<	<	12	20	182	<	25	85	498	16	26	2	4	0.14	2.75	0.38	3.50	0.68	0.17	0.04	0.06
200736	P	<	19	15	57	60	<	<	2	<	<	<	12	23	121	<	35	120	350	8	22	8	5	0.18	2.83	0.29	3.82	0.62	0.05	0.03	0.02
200737	P	<	30	13	61	105	<	<	2	<	<	<	12	30	188	<	36	82	299	11	32	4	6	0.13	2.89	0.51	3.23	0.70	0.05	0.04	0.05
200738	P	<	29	16	63	161	<	<	1	<	<	<	11	29	220	<	36	82	282	13	41	4	6	0.13	2.69	0.60	3.20	0.71	0.06	0.04	0.06
200739	P	0.1	35	16	73	333	<	<	1	<	<	<	11	32	251	<	37	83	363	15	51	5	7	0.15	2.63	0.76	3.41	0.77	0.06	0.06	0.06
200740	P	0.1	33	14	72	255	<	<	1	<	<	<	12	25	271	<	35	80	399	17	48	5	7	0.16	2.66	0.74	3.37	0.75	0.08	0.06	0.07
200741	P	<	35	17	77	174	<	<	1	<	<	<	11	27	262	<	34	88	401	19	47	8	7	0.19	2.29	0.79	3.41	0.79	0.14	0.07	0.07
200742	P	0.2	34	19	80	285	<	<	1	<	<	<	12	25	283	<	34	81	450	20	49	6	8	0.18	2.57	0.83	3.29	0.78	0.10	0.06	0.08
200743	P	<	40	15	69	361	<	<	<	<	<	<	13	23	261	<	34	92	716	23	54	8	8	0.18	2.59	0.93	3.49	0.75	0.10	0.06	0.07
200744	P	<	29	17	72	304	<	<	1	<	<	<	12	26	256	<	32	83	386	18	45	6	6	0.19	2.58	0.74	3.29	0.80	0.13	0.05	0.07
200745	P	<	28	11	71	73	<	<	1	<	<	<	13	29	226	<	33	93	455	14	31	7	6	0.21	3.00	0.56	3.59	0.84	0.12	0.04	0.06
200746	P	<	23	14	49	97	<	<	1	<	<	<	9	21	152	<	22	66	372	13	21	2	3	0.09	1.86	0.29	2.52	0.40	0.06	0.03	0.04
200747	P	0.2	15	17	58	163	<	<	1	<	<	<	8	14	151	<	18	50	438	14	21	2	3	0.08	1.80	0.29	2.28	0.40	0.11	0.04	0.06
200748	P	0.3	12	16	72	238	<	<	1	<	<	<	18	17	224	<	18	55	1011	13	20	1	3	0.08	2.32	0.37	2.80	0.65	0.27	0.04	0.10
200749	P	0.4	13	18	83	802	<	<	1	<	<	<	14	13	257	<	15	100	1012	14	23	2	4	0.13	2.30	0.44	4.40	0.72	0.34	0.03	0.12
200750	P	<	29	12	63	81	<	<	1	<	<	<	15	32	232	<	35	99	530	14	30	10	5	0.16	3.01	0.53	3.64	0.82	0.07	0.05	0.07
200751	P	<	23	14	65	14	<	<	1	<	<	<	15	21	208	<	32	101	464	12	31	7	6	0.15	2.85	0.41	3.49	0.69	0.18	0.04	0.02
200752	P	<	25	15	57	16	<	<	2	<	<	<	16	31	213	<	37	122	344	9	31	11	6	0.17	3.89	0.38	4.11	0.79	0.05	0.04	0.01
200753	P	<	18	13	48	9	<	<	2	<	<	<	10	17	126	<	30	103	259	6	26	4	4	0.15	2.77	0.36	3.30	0.54	0.06	0.04	0.02
200754	P	<	17	13	68	<	<	<	<	<	<	<	16	10	183	<	24	114	559	18	37	7	7	0.23	2.69	0.64	3.83	0.86	0.42	0.05	0.07
200755	P	<	42	9	57	10	<	<	2	<	<	<	14	33	213	<	35	99	413	11	55	9	7	0.18	2.37	1.07	3.37	0.82	0.08	0.08	0.06
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Colum Street
Vancouver B...
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
200756	P <	47	9	75	9	<	<	1	<	<	<	15	35	182	<	34	99	513	11	50	9	6	0.17	2.14	1.08	3.44	0.83	0.10	0.09	0.06
200757	P <	23	8	60	9	<	<	1	<	<	<	15	25	242	<	38	111	309	5	29	9	4	0.20	2.56	0.52	3.46	0.74	0.11	0.04	0.02
200758	P <	18	16	69	11	<	<	2	<	<	<	12	20	338	<	31	94	551	9	28	3	3	0.08	2.69	0.35	3.28	0.43	0.05	0.04	0.02
200759	P <	34	11	57	5	<	<	2	<	<	<	16	33	366	<	47	126	414	12	37	16	11	0.23	2.88	0.58	4.02	0.84	0.11	0.05	0.02
200760	P <	26	12	58	6	<	<	1	<	<	<	14	24	354	<	36	110	372	8	36	11	6	0.20	2.50	0.54	3.52	0.77	0.08	0.05	0.03
200761	P <	29	10	69	<	<	<	1	<	<	<	18	21	565	<	29	120	577	12	40	7	10	0.26	2.72	1.02	4.10	0.95	0.46	0.06	0.09
200762	P <	14	11	78	<	<	<	1	<	<	<	20	19	769	<	25	124	568	11	33	7	8	0.30	2.80	0.49	4.57	1.12	0.83	0.04	0.04
200763	P <	19	11	62	72	<	<	2	<	<	<	11	22	159	<	26	99	234	5	20	4	4	0.13	2.34	0.27	3.34	0.51	0.07	0.04	0.02
200764	P <	20	9	45	6	<	<	<	<	<	<	12	20	242	<	26	89	308	7	26	8	4	0.17	2.06	0.44	2.95	0.59	0.08	0.04	0.03
200765	P <	33	7	74	<	<	<	2	<	<	<	19	20	281	<	17	115	767	14	36	6	8	0.30	2.45	0.83	4.27	1.22	0.36	0.05	0.07
200766	P <	20	15	81	12	<	<	3	<	<	<	15	30	196	<	33	116	534	6	29	5	5	0.17	3.19	0.37	3.98	0.70	0.07	0.03	0.04
200767	P <	16	14	68	9	<	<	2	<	<	<	20	23	204	<	28	111	738	6	22	4	5	0.18	3.14	0.30	4.05	0.77	0.22	0.03	0.05
200768	P <	17	10	62	12	<	<	1	<	<	<	15	21	236	<	26	94	825	7	31	5	4	0.16	2.43	0.41	3.30	0.52	0.10	0.04	0.02
200769	P <	15	11	52	<	<	<	2	<	<	<	11	20	197	<	25	107	397	7	30	4	4	0.18	2.05	0.47	3.29	0.62	0.14	0.04	0.01
200770	P <	14	9	50	<	<	<	1	<	<	<	9	9	125	<	17	82	320	11	23	4	4	0.15	1.99	0.34	2.98	0.60	0.27	0.04	0.02
200771	P <	26	7	56	<	<	<	1	<	<	<	12	24	151	<	28	82	336	10	45	8	5	0.15	1.91	0.88	2.76	0.70	0.05	0.07	0.06
200772	P <	31	12	65	9	<	<	1	<	<	<	14	24	194	<	30	93	376	14	38	9	7	0.19	2.33	0.68	3.27	0.71	0.13	0.06	0.05
200773	P <	17	12	56	10	<	<	1	<	<	<	12	18	162	<	24	89	416	9	30	6	4	0.19	2.27	0.52	3.16	0.64	0.17	0.04	0.04
200774	P <	16	10	49	6	<	<	1	<	<	<	10	12	150	<	24	85	311	7	30	5	4	0.16	1.97	0.50	2.81	0.56	0.10	0.04	0.03
200775	P <	18	11	41	<	<	<	<	<	<	<	9	15	129	<	22	79	368	7	28	5	3	0.11	1.68	0.42	2.66	0.43	0.08	0.04	0.02
200776	P <	21	13	51	<	<	<	2	<	<	<	12	15	222	<	26	89	434	12	33	9	6	0.16	2.47	0.53	3.29	0.69	0.16	0.05	0.02
200777	P <	18	11	43	17	<	<	2	<	<	<	11	16	216	<	27	90	607	10	26	7	5	0.14	2.42	0.34	3.11	0.52	0.14	0.05	0.01
200778	P <	23	18	70	8	<	<	2	<	<	<	15	15	307	<	17	90	737	22	42	7	8	0.18	2.92	0.69	3.46	0.76	0.41	0.05	0.05
200779	P <	15	12	47	<	<	<	1	<	<	<	8	14	149	<	19	83	425	8	26	4	3	0.13	1.70	0.38	2.64	0.42	0.10	0.04	0.02
200780	P <	18	12	47	10	<	<	2	<	<	<	10	20	145	<	22	84	313	11	25	5	4	0.14	2.07	0.38	2.97	0.56	0.10	0.04	0.03
200781	P <	40	8	62	<	<	<	<	<	<	<	14	32	183	<	33	95	407	11	58	10	6	0.15	2.10	1.28	3.33	0.84	0.10	0.08	0.06
200782	P <	27	10	48	<	<	<	1	<	<	<	11	18	159	<	28	83	283	11	36	12	6	0.16	1.95	0.65	2.81	0.59	0.13	0.05	0.04
200783	P <	27	11	48	12	<	<	2	<	<	<	12	20	241	<	25	82	576	13	39	10	6	0.16	2.15	0.62	2.91	0.61	0.12	0.04	0.03
200784	P <	13	10	53	<	<	<	1	<	<	<	10	12	194	<	15	86	309	15	22	4	5	0.17	1.90	0.32	3.16	0.68	0.36	0.03	0.02
200785	P <	15	9	50	<	<	<	1	<	<	<	11	19	174	<	22	98	322	10	31	5	4	0.21	1.96	0.51	3.08	0.66	0.21	0.05	0.02
200786	P <	35	13	59	12	<	<	1	<	<	<	16	27	274	<	32	117	1189	52	41	10	10	0.22	3.26	0.64	4.09	0.81	0.23	0.05	0.03
200787	P <	24	11	51	8	<	<	2	<	<	<	12	21	241	<	27	93	494	14	38	6	5	0.19	2.56	0.57	3.18	0.62	0.18	0.05	0.03
200788	P <	21	14	59	8	<	<	<	<	<	<	14	24	277	<	31	98	1162	7	30	5	4	0.13	2.51	0.40	3.32	0.49	0.06	0.04	0.02
200789	P <	21	17	89	18	<	<	2	<	<	<	22	26	213	<	34	109	1819	9	27	5	4	0.14	3.20	0.39	4.14	0.62	0.11	0.03	0.04
200790	P <	25	12	54	20	<	<	3	<	<	<	17	32	345	<	25	160	359	8	32	7	5	0.27	3.39	0.55	4.71	0.86	0.10	0.05	0.04
200791	P <	22	10	55	8	<	<	1	<	<	<	13	23	270	<	28	95	346	9	36	5	5	0.15	2.88	0.51	3.36	0.75	0.07	0.04	0.02
200792	P <	16	11	60	<	<	<	1	<	<	<	12	16	218	<	20	73	1199	10	46	3	5	0.13	2.08	0.85	2.76	0.64	0.06	0.05	0.05
200793	P <	18	12	54	<	<	<	<	<	<	<	10	15	191	<	20	68	542	10	34	3	4	0.11	1.79	0.53	2.56	0.51	0.08	0.05	0.06
200794	P <	12	14	65	7	<	<	1	<	<	<	12	16	185	<	20	74	396	9	28	3	4	0.14	2.03	0.45	2.64	0.64	0.06	0.04	0.03
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99I0916

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
200795	P	<	13	9	58	<	<	<	1	<	<	<	13	14	156	<	20	88	522	8	28	3	4	0.15	1.90	0.50	2.83	0.63	0.07	0.05	0.04
200796	P	<	23	11	58	<	<	<	2	<	<	<	13	22	171	<	28	84	313	11	40	4	5	0.15	2.03	0.75	2.86	0.69	0.05	0.06	0.06
200801	P	<	23	9	42	<	<	<	2	<	<	<	9	17	189	<	24	68	409	9	53	2	3	0.08	1.76	0.91	2.60	0.49	0.04	0.05	0.07
200802	P	<	40	12	66	7	<	<	2	<	<	<	15	29	247	<	36	101	716	16	51	6	8	0.15	2.44	0.87	3.31	0.69	0.06	0.06	0.06
200803	P	<	27	13	59	7	<	<	1	<	<	<	13	24	186	<	31	90	351	13	45	7	6	0.17	2.18	0.82	2.72	0.68	0.05	0.07	0.05
200804	P	<	21	8	61	8	<	<	1	<	<	<	11	21	134	<	29	90	313	10	44	4	5	0.16	2.00	0.93	2.81	0.72	0.07	0.08	0.07
200805	P	<	22	12	57	<	<	<	1	<	<	<	11	20	187	<	28	78	285	10	53	4	5	0.14	2.01	0.94	2.76	0.62	0.06	0.07	0.06
OPL 990901-2	P	<	38	16	1098	938	<	<	9	<	<	<	25	153	481	<	64	91	1936	24	88	9	8	0.12	3.81	0.82	5.88	1.19	0.70	0.07	0.19
200806	P	<	20	10	68	12	<	<	2	<	<	<	12	21	175	<	29	77	567	10	47	4	5	0.13	2.09	0.86	3.22	0.65	0.06	0.06	0.07
200807	P	<	20	4	32	<	<	<	<	<	<	<	6	16	105	<	16	46	289	6	40	2	2	0.07	1.15	0.81	1.64	0.37	0.04	0.06	0.06
200808	P	<	37	10	56	6	<	<	2	<	<	<	12	26	146	<	32	88	353	9	42	5	5	0.14	2.03	0.82	3.01	0.69	0.06	0.06	0.06
200809	P	<	28	9	47	9	<	<	<	<	<	<	11	23	167	<	27	71	388	8	50	4	4	0.12	1.94	0.93	2.57	0.59	0.06	0.06	0.06
200810	P	<	26	5	39	8	<	<	2	<	<	<	9	18	140	<	21	57	285	7	45	2	3	0.10	1.63	0.85	2.13	0.48	0.04	0.07	0.06
200811	P	<	30	9	52	5	<	<	1	<	<	<	12	21	154	<	29	85	299	9	46	7	5	0.15	2.09	0.90	2.87	0.66	0.07	0.07	0.06
200812	P	<	22	8	46	5	<	<	1	<	<	<	9	20	131	<	24	67	248	7	42	4	4	0.14	1.84	0.77	2.38	0.56	0.06	0.07	0.05
200813	P	<	32	6	53	11	<	<	2	<	<	<	13	26	183	<	31	85	397	10	52	4	6	0.16	2.32	0.93	2.99	0.68	0.06	0.08	0.06
200814	P	<	31	8	54	7	<	<	1	<	<	<	12	24	190	<	32	88	298	10	45	6	6	0.17	2.53	0.80	3.07	0.66	0.05	0.07	0.05
200815	P	<	39	10	70	22	<	<	1	<	<	<	16	20	519	<	28	122	426	14	38	11	10	0.22	2.60	0.92	4.17	0.87	0.43	0.07	0.09
200816	P	<	19	7	50	31	<	<	1	<	<	<	11	15	353	<	17	83	372	6	29	3	6	0.15	2.13	0.60	3.16	0.57	0.18	0.06	0.04
200817	P	<	21	14	57	8	<	<	1	<	<	<	14	23	361	<	30	94	1074	10	31	3	5	0.12	2.43	0.43	3.20	0.50	0.07	0.05	0.02
200818	P	<	19	10	45	6	<	<	2	<	<	<	11	17	238	<	24	91	295	6	25	5	4	0.15	1.97	0.40	2.99	0.54	0.07	0.04	0.03
200819	P	<	35	11	64	<	<	<	1	<	<	<	14	24	306	<	33	107	311	12	43	6	8	0.18	2.47	0.85	3.66	0.82	0.16	0.06	0.06
200820	P	<	39	12	61	5	<	<	2	<	<	<	14	26	257	<	30	110	439	10	47	7	7	0.17	2.19	0.93	3.41	0.79	0.11	0.08	0.07
200821	P	<	34	12	61	14	<	<	2	<	<	<	18	32	347	<	44	119	423	13	38	18	11	0.19	3.23	0.58	4.13	0.82	0.08	0.05	0.01
200822	P	<	19	13	50	<	<	<	2	<	<	<	11	14	312	<	21	85	413	7	28	4	6	0.13	2.19	0.42	2.85	0.49	0.09	0.04	0.03
200823	P	<	33	17	89	28	<	<	1	<	<	<	16	26	542	<	29	113	535	22	43	7	15	0.18	3.13	1.06	4.15	1.04	0.30	0.05	0.12
200824	P	<	33	8	50	10	<	<	1	<	<	<	10	21	163	<	27	71	328	11	48	5	6	0.15	1.98	0.92	2.33	0.63	0.07	0.06	0.06
200825	P	<	34	9	43	<	<	<	1	<	<	<	13	28	179	<	30	93	434	11	62	5	5	0.14	1.95	1.19	2.97	0.66	0.07	0.06	0.06
200826	P	<	34	11	53	9	<	<	1	<	<	<	15	29	193	<	31	94	472	12	54	5	6	0.15	2.13	1.06	3.14	0.71	0.06	0.07	0.06
200827	P	<	15	9	39	5	<	<	1	<	<	<	8	16	174	<	19	75	254	9	27	3	4	0.13	1.72	0.39	2.54	0.46	0.11	0.04	0.02
200828	P	<	17	12	76	<	<	<	1	<	<	<	14	17	244	<	20	95	647	6	26	3	3	0.22	2.36	0.37	3.66	0.78	0.24	0.04	0.02
200829	P	<	25	14	62	13	<	<	2	<	<	<	15	32	243	<	41	124	403	5	23	10	4	0.18	3.52	0.30	4.40	0.74	0.07	0.03	0.02
200830	P	<	19	12	66	5	<	<	1	<	<	<	12	20	248	<	24	88	414	10	40	3	6	0.14	2.29	0.70	3.01	0.73	0.08	0.05	0.05
200831	P	<	31	9	60	7	<	<	<	<	<	<	12	28	216	<	29	89	370	8	46	7	6	0.18	2.26	0.94	3.10	0.79	0.11	0.08	0.05
200832	P	<	29	7	58	11	<	<	1	<	<	<	12	25	206	<	30	78	300	8	47	7	5	0.16	2.14	0.91	2.82	0.74	0.08	0.08	0.05
200833	P	<	25	7	54	18	<	<	1	<	<	<	11	24	226	<	29	82	310	9	42	11	5	0.16	2.34	0.75	2.90	0.69	0.07	0.07	0.05
200834	P	0.3	15	10	47	20	<	<	1	<	<	<	9	18	190	<	21	89	356	5	21	3	3	0.13	1.91	0.33	2.86	0.46	0.09	0.04	0.03
200835	P	0.2	38	13	70	32	<	<	2	<	<	<	15	35	415	<	42	103	367	9	31	16	7	0.14	3.43	0.37	3.71	0.73	0.06	0.05	0.02
200836	P	<	20	10	50	6	<	<	2	<	<	<	14	22	285	<	30	100	263	4	18	5	4	0.15	2.78	0.26	3.50	0.63	0.09	0.04	0.03
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99I0916

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
200837	P	<	27	13	68	13	<	<	2	<	<	<	15	28	360	<	38	123	470	5	33	6	4	0.19	3.18	0.45	4.00	0.89	0.11	0.03	0.02
200838	P	<	18	10	70	9	<	<	2	<	<	<	15	16	327	<	15	125	669	5	27	3	5	0.16	2.45	0.49	3.83	0.84	0.13	0.04	0.06
200839	P	<	27	12	67	15	<	<	1	<	<	<	19	37	305	<	40	130	428	6	26	8	5	0.16	3.61	0.39	4.65	0.89	0.11	0.04	0.02
200840	P	<	24	12	66	18	<	<	1	<	<	<	16	33	262	<	37	116	398	11	30	10	6	0.17	3.50	0.43	4.28	0.95	0.12	0.04	0.01
200841	P	<	40	9	105	<	<	<	3	<	<	<	28	9	756	<	5	173	863	27	31	2	7	0.40	3.53	1.39	6.24	2.01	1.65	0.04	0.30
200842	P	<	22	15	60	21	<	<	2	<	<	<	13	25	248	<	27	97	316	18	32	6	6	0.15	3.17	0.51	3.48	0.69	0.06	0.05	0.04
200843	P	<	15	11	45	7	<	<	1	<	<	<	8	14	158	<	17	57	370	9	33	2	4	0.10	1.86	0.56	2.24	0.44	0.10	0.04	0.04
200844	P	<	19	14	84	7	<	<	2	<	<	<	14	28	248	<	32	108	450	7	23	3	4	0.11	2.90	0.30	3.82	0.54	0.06	0.04	0.03
200845	P	<	24	9	50	7	<	<	1	<	<	<	14	30	169	<	36	98	473	8	35	13	7	0.15	2.27	0.67	3.32	0.63	0.10	0.06	0.02
200846	P	<	22	5	46	11	<	<	1	<	<	<	11	22	158	<	25	70	371	7	53	4	4	0.11	1.72	1.22	2.49	0.61	0.04	0.07	0.06
200847	P	<	20	10	53	<	<	<	1	<	<	<	12	18	177	<	25	76	526	8	37	4	4	0.12	1.96	0.64	2.64	0.57	0.05	0.05	0.05
200848	P	<	12	7	57	<	<	<	1	<	<	<	11	13	129	<	18	79	445	7	21	2	4	0.14	1.75	0.40	2.68	0.62	0.11	0.04	0.04
200849	P	<	20	14	60	12	<	<	3	<	<	<	11	23	175	<	28	110	341	10	24	4	5	0.16	2.74	0.37	3.52	0.63	0.06	0.04	0.02
200850	P	<	20	12	62	5	<	<	1	<	<	<	15	23	242	<	26	108	481	8	27	6	6	0.19	2.88	0.49	3.71	0.86	0.07	0.04	0.03
200851	P	<	28	14	64	12	<	<	2	<	<	<	18	29	279	<	32	140	508	8	37	7	5	0.24	3.42	0.55	4.79	0.88	0.11	0.05	0.03
200852	P	<	24	11	51	8	<	<	1	<	<	<	14	29	256	<	38	114	389	6	35	11	5	0.19	2.61	0.52	3.58	0.78	0.07	0.04	0.01
200853	P	<	19	10	50	37	10	<	2	<	<	<	12	21	187	<	26	103	287	6	26	5	4	0.17	2.43	0.44	3.23	0.63	0.07	0.04	0.02
200854	P	<	21	12	51	79	<	<	1	<	<	<	13	28	199	<	29	99	298	8	23	3	4	0.09	2.86	0.34	3.70	0.67	0.07	0.04	0.04
200855	P	<	21	9	46	<	<	<	2	<	<	<	12	21	222	<	32	90	332	7	31	8	5	0.15	2.21	0.53	3.02	0.65	0.06	0.04	0.02
200856	P	<	36	11	56	19	<	<	1	<	<	<	15	28	264	<	31	92	456	11	51	6	7	0.14	2.39	0.98	3.31	0.72	0.06	0.06	0.06
200857	P	<	26	10	48	9	<	<	1	<	<	<	13	20	200	<	28	81	493	8	51	5	5	0.13	2.07	0.99	2.89	0.62	0.05	0.06	0.05
200858	P	<	34	8	54	12	<	<	1	<	<	<	15	28	261	<	33	100	402	11	43	9	7	0.17	2.41	0.86	3.38	0.69	0.07	0.06	0.05
200859	P	<	19	10	55	<	<	<	2	<	<	<	13	20	249	<	31	106	346	7	27	7	4	0.19	2.40	0.47	3.51	0.77	0.10	0.04	0.02
200860	P	<	18	6	46	9	<	<	2	<	<	<	9	20	230	<	24	81	299	6	31	4	4	0.13	2.11	0.48	2.70	0.57	0.05	0.04	0.03
200861	P	<	19	12	51	103	<	<	2	<	<	<	12	22	157	<	30	100	307	5	19	5	4	0.11	2.92	0.26	3.47	0.50	0.06	0.03	0.02
200862	P	<	27	11	59	21	<	<	1	<	<	<	18	37	229	<	37	109	344	6	26	14	6	0.17	3.39	0.34	3.97	0.75	0.07	0.04	0.03
200863	P	<	26	10	54	19	<	<	<	<	<	<	12	24	185	<	30	101	295	6	26	6	5	0.16	2.60	0.42	3.43	0.71	0.06	0.04	0.04
200864	P	<	19	9	43	22	<	<	1	<	<	<	11	25	186	<	28	95	214	6	26	7	4	0.16	2.62	0.38	3.08	0.52	0.05	0.04	0.02
200865	P	<	21	10	50	21	<	<	1	<	<	<	12	15	266	<	26	89	495	9	32	7	5	0.17	2.27	0.54	3.08	0.58	0.09	0.04	0.02
200866	P	<	18	8	47	10	<	<	2	<	<	<	11	15	219	<	22	89	255	6	26	4	4	0.17	2.06	0.41	2.94	0.61	0.10	0.04	0.04
200867	P	<	22	13	68	8	<	<	2	<	<	<	17	24	229	<	35	125	385	6	23	7	4	0.24	3.20	0.31	4.22	0.94	0.26	0.04	0.02
200868	P	<	26	8	60	12	<	<	2	<	<	<	17	26	360	<	28	123	525	10	35	6	6	0.25	2.63	0.60	3.89	0.97	0.29	0.05	0.04
200869	P	<	29	8	65	25	<	<	1	<	<	<	16	27	298	<	35	105	382	14	40	6	7	0.16	2.33	0.95	3.55	0.85	0.11	0.06	0.08
200870	P	<	22	6	49	18	<	<	1	<	<	<	13	23	259	<	27	79	519	11	49	3	5	0.12	2.09	0.90	2.78	0.62	0.05	0.05	0.06
200871	P	<	39	8	62	5	<	<	1	<	<	<	14	34	152	<	35	102	428	10	46	8	6	0.16	2.00	1.04	3.33	0.80	0.06	0.08	0.07
200872	P	<	24	8	49	7	<	<	1	<	<	<	13	24	169	<	29	90	351	11	41	7	5	0.15	1.91	0.82	2.89	0.61	0.05	0.06	0.06
200873	P	<	40	9	62	7	<	<	1	<	<	<	14	34	175	<	33	94	452	11	49	8	6	0.15	2.08	0.94	3.22	0.76	0.07	0.08	0.07
200874	P	<	16	13	53	<	<	<	2	<	<	<	11	18	151	<	25	71	340	9	27	2	3	0.08	1.88	0.44	2.67	0.47	0.04	0.04	0.05
200875	P	<	17	14	59	10	<	<	1	<	<	<	9	22	186	<	26	74	228	10	33	3	4	0.08	2.13	0.52	2.64	0.53	0.05	0.04	0.04
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
200876	P	<	11	15	49	<	<	<	1	<	<	<	8	14	177	<	21	63	271	14	28	4	3	0.09	1.66	0.44	2.38	0.44	0.05	0.04	0.03
200877	P	<	29	15	54	12	<	<	2	<	<	<	11	25	181	<	32	84	277	11	32	11	6	0.15	2.50	0.51	3.00	0.64	0.04	0.05	0.04
200878	P	<	31	28	63	20	<	<	1	<	<	<	15	35	225	<	41	102	402	9	38	17	6	0.16	3.37	0.48	3.66	0.76	0.04	0.04	0.02
200879	P	<	27	15	54	24	<	<	1	<	<	<	14	35	190	<	39	102	341	8	32	16	6	0.17	3.21	0.45	3.54	0.71	0.03	0.04	0.02
200880	P	<	29	9	66	13	<	<	1	<	<	<	15	23	242	<	30	100	384	12	43	8	7	0.17	2.16	0.96	3.37	0.87	0.09	0.06	0.08
200881	P	<	32	10	55	20	<	<	1	<	<	<	14	26	226	<	30	93	530	11	56	6	6	0.14	2.36	1.13	3.21	0.67	0.06	0.06	0.06
200882	P	<	40	10	63	25	<	<	1	<	<	<	13	31	262	<	32	91	484	14	58	9	8	0.16	2.56	1.29	3.41	0.81	0.12	0.07	0.06
200883	P	<	28	7	56	12	<	<	1	<	<	<	13	25	196	<	34	95	395	11	40	12	7	0.16	2.44	0.71	3.32	0.76	0.07	0.06	0.03
200884	P	<	24	11	57	36	<	<	<	<	<	<	12	22	286	<	32	93	347	12	34	10	6	0.13	2.72	0.59	3.44	0.76	0.07	0.05	0.02
200885	P	<	36	9	52	13	<	<	2	<	<	<	14	27	262	<	40	100	439	15	42	19	9	0.15	2.73	0.67	3.53	0.72	0.06	0.06	0.03
200886	P	<	29	10	63	32	<	<	1	<	<	<	16	27	453	<	34	106	702	23	45	9	9	0.13	2.81	0.75	3.94	0.83	0.06	0.04	0.05
200887	P	<	19	10	56	11	<	<	2	<	<	<	13	23	214	<	27	88	494	17	31	7	6	0.08	2.32	0.53	3.71	0.94	0.04	0.04	0.04
200888	P	<	21	14	44	13	<	<	2	<	<	<	13	20	264	<	31	82	542	9	36	11	5	0.13	2.32	0.56	2.95	0.52	0.05	0.04	0.02
200889	P	<	33	13	53	11	<	<	1	<	<	<	12	24	286	<	33	83	372	22	47	10	6	0.14	2.40	0.71	2.98	0.63	0.07	0.06	0.04
200890	P	<	21	12	50	14	<	<	1	<	<	<	11	24	203	<	34	84	344	11	45	10	5	0.15	2.40	0.66	2.90	0.63	0.05	0.05	0.03
200891	P	0.3	24	29	70	17	<	<	1	<	<	<	12	24	309	<	34	77	620	12	72	4	6	0.12	2.13	0.98	2.69	0.56	0.06	0.05	0.06
200892	P	<	22	14	60	13	<	<	1	<	<	<	11	24	242	<	34	88	365	9	60	5	5	0.14	2.31	0.87	2.85	0.62	0.06	0.05	0.03
200893	P	<	23	11	70	9	<	<	2	<	<	<	12	22	227	<	37	92	560	11	60	4	5	0.13	2.20	0.94	3.03	0.62	0.05	0.05	0.06
200894	P	<	24	14	66	12	<	<	1	<	<	<	10	21	208	<	32	78	480	11	65	3	5	0.10	2.20	0.99	2.75	0.55	0.04	0.04	0.06
200895	P	0.2	18	35	81	21	<	<	1	<	<	<	12	25	144	<	36	81	369	8	38	6	5	0.16	2.27	0.64	2.86	0.70	0.05	0.05	0.05
200896	P	0.6	23	57	78	31	<	<	3	<	<	<	9	20	242	<	28	76	454	11	30	5	4	0.10	2.20	0.46	2.81	0.43	0.05	0.04	0.03
200897	P	0.2	21	15	50	12	<	<	1	<	<	<	8	19	185	<	27	61	198	8	48	4	4	0.11	2.02	0.73	2.40	0.48	0.04	0.05	0.03
200898	P	<	19	12	53	15	<	<	<	<	<	<	11	24	227	<	31	73	306	9	43	6	5	0.15	2.24	0.73	2.63	0.63	0.04	0.05	0.04
200899	P	<	28	11	57	17	<	<	<	<	<	<	13	29	181	<	35	83	592	14	82	6	5	0.14	2.20	1.17	2.76	0.66	0.05	0.08	0.06
200900	P	<	25	13	56	9	<	<	1	<	<	<	14	25	182	<	41	86	392	12	55	8	6	0.18	2.38	0.87	2.85	0.68	0.05	0.06	0.05
200901	P	<	15	13	46	10	<	<	1	<	<	<	11	19	104	<	27	71	560	8	32	2	3	0.13	1.64	0.47	2.07	0.45	0.05	0.05	0.06
200902	P	<	14	11	48	<	<	<	1	<	<	<	9	19	109	<	24	92	265	4	23	3	2	0.13	1.82	0.27	3.14	0.34	0.04	0.04	0.02
200903	P	<	22	21	74	23	<	<	2	<	<	<	15	36	137	<	40	114	412	7	35	4	3	0.15	3.43	0.35	3.97	0.58	0.06	0.04	0.02
200904	P	<	23	19	63	21	<	<	2	<	<	<	16	35	162	<	47	110	489	9	43	6	6	0.15	3.00	0.53	3.63	0.73	0.06	0.04	0.02
200905	P	<	19	18	75	10	<	<	1	<	<	<	14	30	200	<	40	97	601	7	44	5	5	0.13	2.40	0.51	3.34	0.61	0.10	0.04	0.02
200906	P	<	18	38	65	18	<	<	1	<	<	<	15	30	165	<	39	98	559	7	36	4	4	0.13	2.70	0.48	3.40	0.58	0.07	0.04	0.03
200907	P	<	27	16	64	14	<	<	2	<	<	<	12	27	184	<	33	87	760	11	46	6	4	0.13	2.32	0.57	3.03	0.48	0.06	0.05	0.03
200908	P	<	28	12	54	16	<	<	1	<	<	<	11	26	170	<	31	88	539	11	70	6	5	0.13	2.43	0.90	2.94	0.53	0.06	0.05	0.03
200909	P	<	33	14	60	14	<	<	1	<	<	<	11	31	229	<	39	86	465	13	58	7	7	0.14	2.93	0.77	3.23	0.62	0.08	0.06	0.04
200910	P	<	35	14	62	15	<	<	2	<	<	<	12	34	231	<	43	80	465	15	74	8	8	0.16	2.66	1.07	2.93	0.74	0.08	0.07	0.05
200911	P	<	20	13	52	9	<	<	1	<	<	<	11	22	200	<	32	88	363	9	42	6	5	0.17	2.49	0.62	2.92	0.61	0.08	0.06	0.03
200912	P	<	22	10	64	11	<	<	1	<	<	<	14	22	200	<	30	97	504	12	38	5	6	0.19	2.63	0.67	3.25	0.70	0.09	0.05	0.05
200913	P	<	20	9	60	11	<	<	1	<	<	<	12	23	172	<	29	87	300	9	39	4	5	0.17	2.40	0.69	2.89	0.66	0.06	0.06	0.05
200914	P	<	31	10	61	7	<	<	<	<	<	<	13	24	190	<	31	90	359	12	46	9	6	0.18	2.26	0.87	3.08	0.72	0.07	0.08	0.06
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2050 Columbia Street
Vancouver B...
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99I0916

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
200915	P	<	23	9	63	10	<	<	1	<	<	<	12	24	210	<	29	90	421	13	33	7	6	0.17	2.42	0.57	3.26	0.75	0.12	0.05	0.05
200916	P	0.1	18	9	70	6	<	<	2	<	<	<	14	16	305	<	19	91	696	13	36	3	6	0.17	2.25	0.61	3.20	0.80	0.26	0.05	0.07
200917	P	<	18	9	77	8	<	<	1	<	<	<	15	22	248	<	24	109	787	13	30	4	6	0.21	2.72	0.58	3.86	0.95	0.24	0.04	0.06
200918	P	<	16	10	62	11	<	<	2	<	<	<	13	20	144	<	26	118	389	8	22	5	4	0.21	2.69	0.33	3.71	0.73	0.10	0.04	0.02
200919	P	<	19	10	47	11	<	<	1	<	<	<	10	20	160	<	24	79	279	10	25	3	4	0.13	2.22	0.40	2.70	0.52	0.06	0.04	0.03
200920	P	<	22	8	79	16	<	<	1	<	<	<	17	26	276	<	28	110	1099	10	44	4	7	0.20	2.66	0.93	3.76	0.83	0.16	0.05	0.09
200921	P	<	22	11	60	15	<	<	1	<	<	<	13	25	206	<	29	96	350	11	29	6	5	0.17	2.89	0.49	3.38	0.78	0.06	0.04	0.03
200922	P	<	27	8	47	10	<	<	1	<	<	<	10	20	250	<	25	82	255	20	30	3	7	0.14	2.39	0.51	2.98	0.61	0.06	0.03	0.03
200923	P	<	29	11	66	<	<	<	2	<	<	<	16	23	249	<	28	101	497	11	30	6	6	0.20	2.64	0.61	3.70	0.98	0.15	0.04	0.06
200924	P	<	19	10	57	6	<	<	2	<	<	<	12	19	173	<	22	104	407	7	22	3	4	0.17	2.22	0.30	3.52	0.70	0.09	0.03	0.03
200925	P	0.1	19	13	53	18	<	<	2	<	<	<	11	19	213	<	24	88	496	7	17	4	4	0.12	2.27	0.22	3.05	0.40	0.04	0.03	0.03
200926	P	0.1	21	12	57	9	<	<	2	<	<	<	13	20	172	<	27	103	434	6	28	7	5	0.18	2.53	0.42	3.59	0.74	0.10	0.03	0.02
200927	P	<	20	13	67	9	<	<	1	<	<	<	15	32	196	<	31	114	444	7	24	5	4	0.18	2.83	0.38	3.97	0.94	0.13	0.03	0.04
200928	P	<	31	13	57	20	<	<	2	<	<	<	16	32	331	<	32	113	457	6	27	8	5	0.19	3.18	0.45	3.72	0.89	0.09	0.04	0.03
200929	P	<	19	15	72	<	<	<	1	<	<	<	12	15	307	<	14	86	1006	23	37	2	8	0.11	2.45	0.73	3.74	0.84	0.36	0.04	0.09
200930	P	<	16	10	58	16	<	<	1	<	<	<	15	24	222	<	33	100	625	9	32	6	5	0.14	2.26	0.49	3.43	0.67	0.11	0.04	0.02
200931	P	0.1	22	11	87	26	<	<	2	<	<	<	15	36	270	<	36	107	721	6	23	5	4	0.14	3.05	0.30	4.04	0.67	0.10	0.03	0.04
200932	P	0.4	21	31	66	14	<	<	2	<	<	<	14	19	254	<	31	91	476	8	29	5	5	0.11	2.81	0.43	3.66	0.76	0.05	0.04	0.03
200933	P	0.9	15	34	71	14	<	<	1	<	<	<	8	17	152	<	22	84	259	5	29	4	3	0.10	1.87	0.55	2.64	0.53	0.02	0.03	0.02
200934	P	0.7	12	58	170	11	<	<	1	<	<	<	12	16	145	<	17	75	620	8	22	3	4	0.10	2.09	0.35	3.16	0.65	0.05	0.03	0.04
200935	P	0.1	19	16	64	21	<	<	2	<	<	<	13	30	177	<	35	120	322	5	21	9	4	0.14	3.14	0.23	4.17	0.56	0.03	0.03	0.02
200936	P	<	21	14	44	18	<	<	1	<	<	<	10	21	171	<	28	93	214	7	16	7	4	0.10	2.54	0.17	3.42	0.38	0.03	0.03	0.03
200937	P	<	17	12	58	10	<	<	2	<	<	<	12	25	149	<	31	109	303	5	25	5	3	0.15	2.64	0.38	3.71	0.65	0.05	0.03	0.02
200938	P	<	24	10	55	15	<	<	1	<	<	<	12	26	161	<	32	90	315	6	35	8	5	0.15	2.43	0.58	3.19	0.71	0.05	0.05	0.04
200939	P	<	16	10	53	16	<	<	1	<	<	<	12	22	163	<	28	92	583	5	26	4	4	0.12	2.50	0.39	3.16	0.54	0.04	0.04	0.02
200940	P	<	27	11	55	12	<	<	1	<	<	<	12	17	218	<	28	83	301	12	45	10	6	0.16	2.30	0.88	2.97	0.63	0.04	0.06	0.05
200941	P	<	23	6	39	7	<	<	2	<	<	<	10	18	160	<	22	61	926	7	46	3	3	0.09	1.53	0.96	2.26	0.45	0.03	0.05	0.07
200942	P	<	32	7	58	6	<	<	1	<	<	<	12	29	143	<	29	80	322	8	41	6	5	0.13	1.92	0.82	2.92	0.70	0.05	0.06	0.06
200943	P	<	25	15	69	7	<	<	1	<	<	<	12	20	212	<	28	73	460	16	35	5	7	0.12	2.22	0.73	3.07	0.79	0.05	0.05	0.07
200944	P	<	21	9	59	15	<	<	1	<	<	<	13	29	180	<	28	86	397	7	24	5	4	0.13	2.57	0.45	3.15	0.70	0.04	0.04	0.05
200945	P	<	22	11	66	13	<	<	<	<	<	<	14	23	188	<	27	92	706	14	32	7	6	0.17	2.39	0.59	3.51	0.81	0.06	0.04	0.06
200946	P	0.1	21	12	59	9	<	<	<	<	<	<	11	21	172	<	27	84	419	14	34	5	6	0.13	2.28	0.70	3.29	0.71	0.06	0.04	0.06
200947	P	<	17	11	54	6	<	<	1	<	<	<	11	23	124	<	25	73	311	11	37	9	4	0.11	1.54	0.66	2.41	0.62	0.03	0.06	0.05
200948	P	<	16	9	47	15	<	<	1	<	<	<	9	21	101	<	23	93	235	7	16	4	3	0.11	2.17	0.26	3.12	0.50	0.05	0.04	0.02
200949	P	<	12	14	86	7	<	<	1	<	<	<	12	15	201	<	21	92	540	16	30	3	6	0.09	2.19	0.64	3.45	0.83	0.05	0.04	0.05
200950	P	<	18	10	60	5	<	<	2	<	<	<	12	13	192	<	19	75	946	12	34	1	4	0.07	1.69	0.59	2.84	0.51	0.04	0.04	0.06
200951	P	<	34	7	54	5	<	<	1	<	<	<	12	24	158	<	30	85	398	9	40	7	5	0.13	1.87	0.80	2.97	0.70	0.05	0.06	0.06
200952	P	<	31	9	64	6	<	<	1	<	<	<	13	24	172	<	29	83	478	11	40	6	5	0.14	2.03	0.88	3.07	0.73	0.07	0.06	0.05
200953	P	<	28	5	52	5	<	<	1	<	<	<	16	29	152	<	29	91	496	9	37	5	5	0.13	1.93	0.69	3.59	0.62	0.04	0.06	0.05
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Columbia Street
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
200954	P	<	27	10	60	11	<	<	2	<	<	<	12	22	172	<	30	86	363	10	43	4	5	0.16	2.34	0.79	3.12	0.67	0.05	0.07	0.05
200955	P	<	23	15	65	7	<	<	1	<	<	<	11	21	197	<	30	96	315	10	42	5	6	0.16	2.29	0.78	3.52	0.67	0.05	0.07	0.05
200956	P	<	18	16	88	6	<	<	1	<	<	<	10	18	148	<	26	83	304	10	40	4	5	0.17	1.95	0.83	2.47	0.69	0.05	0.07	0.05
200957	P	<	25	14	69	9	<	<	2	<	<	<	16	24	191	<	33	90	644	9	54	4	6	0.16	2.35	1.01	3.25	0.75	0.06	0.10	0.06
200958	P	<	27	10	69	8	<	<	1	<	<	<	12	28	176	<	32	82	341	8	58	4	5	0.14	2.16	1.19	2.97	0.80	0.06	0.10	0.06
200959	P	<	23	11	71	11	<	<	2	<	<	<	11	21	189	<	29	82	355	9	47	4	5	0.16	2.09	0.94	2.69	0.66	0.05	0.09	0.05
200960	P	<	29	11	68	8	<	<	1	<	<	<	11	22	180	<	27	73	334	8	50	4	5	0.14	2.02	1.07	2.69	0.67	0.05	0.08	0.06
200961	P	<	28	10	51	<	<	<	1	<	<	<	12	20	153	<	28	77	318	9	48	4	5	0.12	1.91	0.97	2.78	0.58	0.05	0.07	0.07
200962	P	<	26	8	64	7	<	<	1	<	<	<	12	19	228	<	29	82	404	19	35	3	7	0.14	2.50	0.66	2.98	0.72	0.09	0.05	0.06
200963	P	<	18	8	66	7	<	<	1	<	<	<	13	18	181	<	26	93	556	9	36	2	5	0.15	2.22	0.72	3.09	0.68	0.08	0.05	0.05
200964	P	<	18	8	64	16	<	<	2	<	<	<	13	21	178	<	29	93	277	9	34	5	5	0.21	2.64	0.62	3.16	0.74	0.08	0.05	0.05
200965	P	<	20	10	56	5	<	<	1	<	<	<	11	15	185	<	25	86	278	11	34	4	5	0.18	2.24	0.59	2.89	0.67	0.07	0.05	0.04
200966	P	<	19	9	43	6	<	<	1	<	<	<	11	14	151	<	23	97	332	9	32	2	4	0.16	1.83	0.48	2.79	0.46	0.05	0.05	0.03
200967	P	<	20	8	62	7	<	<	1	<	<	<	13	19	183	<	31	96	510	10	49	4	5	0.17	2.07	0.92	3.05	0.74	0.07	0.08	0.06
200968	P	<	16	10	64	10	<	<	2	<	<	<	14	16	247	6	23	132	593	13	38	3	5	0.21	2.31	0.72	3.77	0.80	0.16	0.07	0.08
200969	P	<	18	10	76	<	<	<	2	<	<	<	16	12	317	<	24	117	1181	15	40	2	6	0.16	2.42	0.70	4.93	0.76	0.21	0.05	0.07
200970	P	<	16	10	59	8	<	<	1	<	<	<	13	13	329	<	17	76	907	21	39	2	6	0.12	2.08	0.74	2.84	0.65	0.23	0.05	0.07
200971	P	0.1	16	11	61	<	<	<	1	<	<	<	11	16	225	<	23	80	528	17	36	2	6	0.14	2.07	0.70	2.98	0.70	0.16	0.07	0.07
200972	P	<	15	11	63	11	<	<	1	<	<	<	12	14	213	<	22	88	362	10	26	3	5	0.18	2.18	0.44	3.08	0.74	0.19	0.05	0.06
200973	P	<	13	8	68	11	<	<	2	<	<	<	12	18	186	<	22	87	274	8	32	3	4	0.18	2.25	0.68	3.03	0.82	0.08	0.05	0.08
200974	P	<	25	13	70	10	<	<	3	<	<	<	14	19	204	<	25	95	682	21	45	2	8	0.15	2.66	0.76	3.45	0.76	0.06	0.06	0.06
200975	P	<	17	10	57	14	<	<	3	<	<	<	13	23	175	<	30	120	361	8	34	7	6	0.20	3.17	0.51	3.79	0.73	0.05	0.05	0.02
200976	P	<	20	11	63	11	<	<	1	<	<	<	13	22	200	<	29	104	320	10	36	6	6	0.21	2.99	0.60	3.46	0.79	0.08	0.06	0.03
200977	P	<	19	13	55	18	<	<	2	<	<	<	12	23	199	<	29	113	314	8	27	3	5	0.19	2.99	0.45	3.62	0.65	0.08	0.05	0.03
200978	P	<	24	9	60	24	<	<	1	<	<	<	16	22	268	<	30	100	626	13	41	4	7	0.19	2.71	0.77	3.54	0.79	0.06	0.05	0.05
200979	P	<	22	10	56	14	<	<	2	<	<	<	12	18	223	<	30	95	335	10	38	7	5	0.17	2.76	0.67	3.30	0.65	0.06	0.05	0.03
200980	P	<	23	11	50	10	<	<	1	<	<	2.4	11	19	206	<	29	85	283	10	32	8	5	0.17	2.29	0.57	2.99	0.69	0.06	0.05	0.04
200981	P	<	21	11	46	15	<	<	2	<	<	<	12	21	252	<	28	85	499	14	30	5	6	0.14	2.53	0.48	3.05	0.55	0.05	0.05	0.03
200982	P	<	16	12	51	<	<	<	2	<	<	<	10	17	200	<	25	90	296	8	32	4	4	0.16	2.06	0.55	2.93	0.63	0.07	0.04	0.03
200983	P	0.1	17	9	49	20	<	<	2	<	<	<	10	16	164	<	23	90	441	7	32	3	4	0.15	1.99	0.50	2.83	0.51	0.06	0.05	0.03
200984	P	<	29	10	50	39	<	<	1	<	<	<	15	25	167	<	30	108	838	28	32	4	7	0.15	3.11	0.46	3.76	0.62	0.14	0.05	0.03
200985	P	<	27	10	73	37	<	<	1	<	<	<	15	26	253	<	29	109	472	12	41	5	7	0.19	2.66	0.90	3.90	0.90	0.14	0.06	0.09
200986	P	<	29	12	58	27	<	<	3	<	<	<	15	28	211	<	34	104	311	10	39	8	6	0.20	3.04	0.67	3.54	0.81	0.06	0.06	0.05
200987	P	<	23	11	55	31	<	<	2	<	<	<	14	27	174	<	34	117	316	7	31	9	5	0.18	2.93	0.54	3.68	0.77	0.04	0.05	0.04
200988	P	<	29	12	52	272	7	<	2	<	<	<	15	16	229	<	25	90	1108	9	38	3	5	0.11	2.41	0.64	3.24	0.56	0.05	0.06	0.05
200989	P	<	26	9	63	45	<	<	1	<	<	<	15	15	192	<	25	115	374	9	31	4	5	0.19	2.40	0.60	3.60	0.76	0.15	0.05	0.04
200990	P	<	22	5	56	20	<	<	1	<	<	<	11	18	341	<	27	80	349	9	45	3	5	0.15	2.25	0.87	2.91	0.71	0.05	0.06	0.07
200991	P	<	29	9	52	31	<	<	1	<	<	<	12	20	296	<	25	79	265	8	35	5	5	0.16	2.23	0.70	2.91	0.65	0.08	0.05	0.06
200992	P	<	35	9	47	52	8	<	2	<	<	<	12	16	439	<	21	68	383	11	31	4	6	0.12	2.38	0.63	2.85	0.45	0.06	0.05	0.05
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Main Street
Vancouver B
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
200993	P	<	39	11	63	10	<	<	2	<	<	<	18	29	428	<	30	121	464	17	32	7	7	0.15	3.60	0.60	4.42	1.20	0.11	0.04	0.05
200994	P	<	23	10	46	12	<	<	1	<	<	<	12	17	171	<	26	99	242	7	24	7	4	0.17	2.55	0.37	3.17	0.56	0.04	0.04	0.02
200995	P	<	25	10	53	31	<	<	1	<	<	<	14	26	187	<	38	112	382	6	32	9	5	0.18	3.11	0.56	3.61	0.74	0.06	0.04	0.04
200996	P	<	32	11	53	19	<	<	1	<	<	<	14	24	341	<	34	94	414	12	45	7	7	0.18	2.58	0.91	3.26	0.77	0.07	0.06	0.06
200997	P	<	23	9	46	18	<	<	2	<	<	<	12	22	279	<	29	81	320	8	40	7	5	0.17	2.32	0.76	2.81	0.63	0.05	0.06	0.05
201301	P	<	17	15	69	12	<	<	2	<	<	<	12	19	192	<	29	83	476	11	28	2	5	0.17	2.36	0.47	2.98	0.68	0.09	0.05	0.06
201302	P	<	14	16	72	9	<	<	2	<	<	<	11	19	169	<	30	83	312	10	28	2	4	0.16	2.32	0.44	2.94	0.67	0.08	0.05	0.06
201303	P	<	14	14	69	7	<	<	1	<	<	<	12	20	150	<	33	83	586	11	25	2	4	0.15	2.31	0.38	3.07	0.65	0.09	0.05	0.06
201304	P	<	16	11	63	6	<	<	2	<	<	<	11	18	187	<	30	87	370	13	23	4	4	0.16	2.33	0.37	3.17	0.63	0.10	0.04	0.05
201305	P	<	19	15	70	10	<	<	1	<	<	<	14	18	222	<	29	92	518	12	22	4	4	0.16	2.64	0.33	3.43	0.64	0.10	0.04	0.05
201306	P	<	20	12	68	13	<	<	2	<	<	<	15	22	200	<	31	97	696	10	40	6	5	0.18	2.77	0.63	3.44	0.70	0.05	0.05	0.04
201307	P	<	22	14	69	15	<	<	2	<	<	<	16	17	194	<	27	97	958	11	28	3	5	0.15	2.59	0.43	3.41	0.71	0.06	0.06	0.05
201308	P	<	16	13	61	10	<	<	1	<	<	<	9	13	155	<	24	65	314	9	27	3	4	0.14	2.18	0.40	2.51	0.59	0.06	0.06	0.05
201309	P	<	19	14	69	14	<	<	2	<	<	<	16	16	235	<	26	93	1319	9	35	2	4	0.12	2.26	0.51	3.12	0.58	0.06	0.06	0.07
201310	P	<	25	15	84	13	<	<	2	<	<	<	15	23	302	<	34	102	500	14	36	6	8	0.19	2.96	0.63	3.88	0.91	0.10	0.06	0.06
201311	P	<	23	12	79	5	<	<	1	<	<	<	14	23	264	<	30	99	441	11	37	5	6	0.16	2.58	0.61	3.72	0.82	0.07	0.05	0.06
201312	P	<	33	13	71	13	<	<	2	<	<	<	15	30	353	<	36	105	387	18	39	7	8	0.18	3.14	0.63	3.92	0.86	0.08	0.05	0.06
201313	P	<	20	11	66	16	<	<	2	<	<	<	15	27	297	<	30	104	504	12	35	8	6	0.14	2.88	0.51	3.84	0.79	0.06	0.04	0.02
201314	P	<	24	11	64	163	<	<	2	<	<	2.0	17	30	312	<	32	102	397	10	28	7	6	0.11	3.20	0.42	4.00	0.76	0.06	0.04	0.03
201315	P	<	24	13	57	125	7	<	2	<	<	<	13	18	373	<	27	92	288	16	32	3	8	0.11	2.60	0.51	3.78	0.72	0.07	0.04	0.04
201316	P	<	16	10	71	16	<	<	2	<	<	<	13	12	198	<	23	127	341	7	34	3	6	0.21	2.51	0.61	3.68	0.92	0.10	0.04	0.04
201317	P	0.1	25	13	63	23	<	<	1	<	<	<	11	22	253	<	30	78	288	18	33	2	9	0.12	2.64	0.50	2.94	0.72	0.08	0.04	0.07
201318	P	<	29	15	65	24	<	<	2	<	<	<	15	26	180	<	29	115	449	11	21	11	8	0.18	3.91	0.30	4.15	0.72	0.07	0.03	0.03
201319	P	<	23	14	73	30	<	<	4	<	<	<	20	27	255	<	37	111	480	14	26	9	7	0.09	4.15	0.27	4.58	0.66	0.10	0.04	0.03
201320	P	<	38	25	149	32	<	<	3	<	<	<	45	12	212	<	26	255	2092	10	15	8	15	0.56	5.13	0.64	8.07	1.95	0.21	0.03	0.12
201321	P	<	43	13	74	65	<	<	2	<	<	<	18	36	417	<	42	110	491	10	34	14	9	0.14	3.80	0.43	4.24	0.86	0.08	0.04	0.02
OPL 990901-3	P	<	31	21	116	125	5	<	2	<	<	<	13	28	404	<	23	75	792	24	55	19	6	0.10	3.22	0.45	2.88	0.50	0.48	0.04	0.06
201322	P	<	14	15	114	419	<	<	2	<	<	<	12	20	196	<	26	102	532	11	24	3	6	0.06	2.58	0.39	4.13	0.64	0.08	0.03	0.04
201323	P	<	17	10	56	25	<	<	2	<	<	<	13	20	246	<	28	90	437	9	25	7	5	0.11	2.31	0.41	3.29	0.72	0.05	0.04	0.03
201324	P	<	20	10	78	7	<	<	1	<	<	<	17	18	328	<	24	113	706	16	29	5	8	0.13	2.66	0.53	4.26	0.93	0.12	0.04	0.05
201325	P	<	20	12	73	14	<	<	2	<	<	<	15	27	269	<	29	111	594	14	39	5	7	0.17	2.95	0.70	3.77	0.92	0.08	0.04	0.03
201326	P	<	26	9	59	14	<	<	2	<	<	<	13	19	186	<	23	83	657	17	35	3	7	0.15	2.33	0.61	2.99	0.70	0.05	0.05	0.06
201327	P	<	26	15	73	33	<	<	3	<	<	<	17	31	256	<	41	120	342	8	31	10	6	0.15	3.73	0.38	4.70	0.86	0.07	0.04	0.02
201328	P	<	30	13	61	56	<	<	2	<	<	<	14	23	240	<	28	98	409	17	46	7	8	0.16	2.61	0.79	3.47	0.73	0.05	0.06	0.06
201329	P	<	30	12	58	17	<	<	<	<	<	<	12	23	177	<	31	89	311	11	43	10	6	0.16	2.12	0.77	3.13	0.64	0.06	0.07	0.06
201330	P	0.1	16	11	57	15	<	<	1	<	<	<	9	13	167	<	20	57	272	15	43	3	5	0.17	1.95	0.84	2.13	0.65	0.08	0.06	0.06
201331	P	<	24	16	73	30	<	<	1	<	<	<	16	30	280	<	32	104	562	12	38	11	7	0.18	3.70	0.46	4.10	0.92	0.06	0.04	0.02
201332	P	<	18	32	113	33	<	<	3	<	<	<	21	21	290	<	21	108	1161	11	47	10	9	0.33	4.51	0.49	5.10	1.21	0.11	0.04	0.04
201333	P	<	16	17	64	12	<	<	1	<	<	<	13	20	211	<	24	82	536	8	18	5	4	0.12	2.71	0.27	3.49	0.78	0.16	0.03	0.02
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Columbia Street
Vancouver B
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
201334	P	<	16	11	43	<	<	<	1	<	<	<	9	14	147	<	23	74	294	8	28	9	4	0.12	1.82	0.41	2.58	0.53	0.05	0.04	0.02
201335	P	<	22	9	54	11	<	<	1	<	<	<	11	19	176	<	28	79	388	13	34	5	6	0.14	2.07	0.61	2.87	0.62	0.05	0.05	0.05
201336	P	<	26	10	52	12	<	<	1	<	<	<	10	19	175	<	26	77	262	10	38	6	6	0.15	2.00	0.66	2.51	0.57	0.04	0.06	0.04
201337	P	<	15	8	59	10	<	<	1	<	<	<	10	15	153	<	18	66	301	14	34	3	5	0.14	1.73	0.73	2.51	0.64	0.05	0.05	0.07
201338	P	<	18	11	55	9	<	<	<	<	<	<	11	19	215	<	26	80	463	11	39	3	5	0.13	2.34	0.72	2.91	0.67	0.05	0.04	0.05
201339	P	<	22	12	66	13	<	<	<	<	<	<	13	23	239	<	30	99	346	16	35	5	7	0.15	2.72	0.57	3.44	0.73	0.05	0.05	0.04
201340	P	<	19	9	66	14	<	<	<	<	<	<	13	20	178	<	27	89	577	10	34	3	5	0.14	2.46	0.60	3.10	0.68	0.06	0.05	0.05
201341	P	<	19	13	64	12	<	<	1	<	<	<	12	20	256	<	24	91	321	20	37	3	6	0.16	2.15	0.74	2.68	0.73	0.06	0.05	0.07
201342	P	<	18	17	86	56	<	<	2	<	<	<	13	18	298	<	16	102	691	32	39	2	8	0.21	2.79	0.74	4.14	0.82	0.15	0.05	0.06
201343	P	<	20	10	58	25	<	<	1	<	<	<	13	25	250	<	28	95	463	16	36	7	6	0.17	2.32	0.58	3.39	0.68	0.05	0.04	0.05
201344	P	<	23	8	61	19	<	<	1	<	<	<	15	31	218	<	39	102	506	12	38	11	8	0.18	2.25	0.61	3.55	0.79	0.03	0.05	0.03
201345	P	<	27	13	60	24	<	<	1	<	<	<	15	39	188	<	48	112	412	14	26	15	8	0.18	3.05	0.32	3.94	0.77	0.07	0.04	0.01
201346	P	<	17	10	55	10	<	<	2	<	<	<	12	21	349	<	26	89	390	20	31	3	5	0.13	2.33	0.55	3.31	0.68	0.05	0.05	0.05
201347	P	<	21	9	61	17	<	<	2	<	<	<	10	22	330	<	27	96	384	18	32	4	5	0.09	2.82	0.47	3.43	0.72	0.05	0.04	0.03
201348	P	<	16	10	70	12	<	<	3	<	<	<	12	22	196	<	25	107	601	12	23	3	5	0.13	2.34	0.34	3.50	0.75	0.09	0.04	0.02
201349	P	<	26	15	61	24	<	<	2	<	<	<	16	32	280	<	36	99	491	11	35	10	6	0.10	3.68	0.48	3.88	0.78	0.08	0.04	0.03
201350	P	<	23	14	65	14	<	<	3	<	<	<	15	30	209	<	36	105	474	9	24	4	5	0.14	3.39	0.34	4.04	0.71	0.06	0.04	0.04
201351	P	<	27	10	58	11	<	<	1	<	<	<	12	27	245	<	35	93	399	13	36	6	6	0.16	2.68	0.59	3.24	0.77	0.04	0.05	0.04
201352	P	<	19	30	61	18	<	<	3	<	<	<	12	24	142	<	32	115	504	10	17	8	5	0.12	2.94	0.21	3.98	0.59	0.06	0.03	0.03
201353	P	<	18	9	57	16	<	<	2	<	<	<	10	19	303	<	22	79	407	12	42	2	5	0.11	2.27	0.72	2.85	0.56	0.05	0.04	0.05
201354	P	<	18	9	47	7	<	<	2	<	<	<	9	19	150	<	22	82	372	11	27	2	3	0.12	1.76	0.39	2.55	0.45	0.04	0.04	0.03
201355	P	<	20	10	72	12	<	<	2	<	<	<	13	25	192	<	25	91	559	15	40	5	5	0.17	2.29	0.77	3.40	0.84	0.05	0.06	0.08
201356	P	<	20	15	60	11	<	<	2	<	<	<	11	21	305	<	27	96	379	11	31	2	5	0.12	2.39	0.56	3.24	0.66	0.05	0.04	0.03
201357	P	<	16	15	69	10	<	<	1	<	<	<	13	21	276	<	26	87	516	10	29	4	5	0.15	2.52	0.60	3.28	0.81	0.05	0.05	0.05
201358	P	<	29	11	52	13	<	<	1	<	<	<	12	28	193	<	36	95	300	10	40	11	6	0.17	2.60	0.69	3.30	0.75	0.05	0.07	0.03
201359	P	<	38	14	72	20	<	<	1	<	<	<	15	29	181	<	32	109	392	19	52	14	8	0.21	2.39	1.00	3.81	0.91	0.09	0.09	0.07
201360	P	<	23	13	61	16	<	<	1	<	<	<	13	31	209	<	36	103	404	10	35	8	5	0.15	2.99	0.49	3.61	0.71	0.06	0.05	0.03
201361	P	<	34	17	66	9	<	<	2	<	<	<	14	25	204	<	32	91	512	14	45	10	7	0.19	2.59	0.88	3.26	0.75	0.05	0.08	0.05
201362	P	<	21	21	91	20	<	<	1	<	<	<	17	27	246	<	32	111	741	11	32	7	6	0.21	3.83	0.39	4.65	0.97	0.08	0.04	0.03
201363	P	<	24	10	54	16	<	<	1	<	<	<	13	28	176	<	35	100	357	11	36	10	6	0.17	2.61	0.54	3.36	0.76	0.04	0.05	0.02
201364	P	<	21	15	63	10	<	<	1	<	<	<	16	23	187	<	32	97	451	10	37	15	6	0.21	2.58	0.66	3.43	0.73	0.06	0.07	0.05
201365	P	<	33	14	75	12	<	<	2	<	<	<	15	24	199	<	32	98	578	16	45	21	9	0.22	2.75	0.88	3.75	0.71	0.14	0.08	0.07
201366	P	<	26	14	67	14	<	<	1	<	<	<	13	21	182	<	28	79	380	13	46	7	6	0.15	2.11	0.85	3.22	0.69	0.07	0.09	0.07
201367	P	<	21	10	67	13	<	<	1	<	<	<	12	22	170	<	27	79	341	11	47	6	6	0.17	2.08	0.93	2.73	0.72	0.05	0.08	0.07
201368	P	<	19	17	81	21	<	<	1	<	<	<	16	27	253	<	30	117	851	15	34	5	6	0.22	3.02	0.63	4.23	0.88	0.08	0.05	0.05
201369	P	<	18	15	76	21	<	<	2	<	<	<	15	26	203	<	30	122	632	10	30	4	6	0.21	3.02	0.53	4.29	0.76	0.08	0.05	0.05
201370	P	<	20	12	68	11	<	<	1	<	<	<	13	17	221	<	28	92	389	18	42	6	6	0.18	2.56	0.74	3.33	0.76	0.06	0.06	0.05
201371	P	<	19	13	65	11	<	<	1	<	<	<	13	17	228	<	29	95	448	13	30	6	6	0.18	2.59	0.54	3.35	0.78	0.06	0.06	0.04
201372	P	<	23	18	63	12	<	<	1	<	<	<	12	20	239	<	30	103	408	16	33	5	6	0.18	3.29	0.50	3.53	0.65	0.07	0.05	0.03
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Columbia Street
Vancouver, B...
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:04:46:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
201373	P	<	21	10	61	6	<	<	2	<	<	<	13	18	152	<	25	91	478	13	48	10	7	0.21	2.27	0.69	3.21	0.79	0.06	0.07	0.04
201374	P	<	22	7	64	15	<	<	1	<	<	<	14	22	211	<	29	100	393	9	39	10	6	0.19	2.78	0.66	3.41	0.82	0.06	0.07	0.04
201375	P	<	19	12	56	7	<	<	2	<	<	<	10	11	193	<	21	77	418	20	29	3	5	0.15	2.17	0.49	2.69	0.57	0.06	0.06	0.03
201376	P	<	16	23	71	5	<	<	2	<	<	<	13	20	232	<	26	127	492	14	31	5	6	0.18	3.20	0.53	4.34	0.95	0.07	0.05	0.03
201377	P	<	16	18	72	7	<	<	1	<	<	<	15	15	138	<	22	131	719	14	20	2	6	0.25	2.79	0.33	4.67	0.86	0.08	0.04	0.05
201378	P	<	38	15	65	23	<	<	1	<	<	<	21	41	236	<	47	121	422	9	34	18	7	0.22	4.38	0.43	3.98	0.90	0.08	0.05	0.02
201379	P	<	24	19	85	27	<	<	2	<	<	<	22	28	320	<	38	140	663	9	30	9	7	0.29	4.39	0.41	4.94	1.01	0.11	0.05	0.03
201380	P	0.1	20	13	72	9	<	<	2	<	<	<	15	20	231	<	29	99	942	23	33	4	6	0.18	2.86	0.54	3.44	0.73	0.11	0.05	0.03
201381	P	<	20	11	62	6	<	<	1	<	<	<	14	16	293	<	27	105	439	22	64	10	8	0.20	2.97	0.82	3.76	0.86	0.09	0.05	0.03
201382	P	<	24	16	83	17	<	<	2	<	<	<	21	15	205	<	24	97	637	15	29	8	7	0.17	4.56	0.48	4.45	0.85	0.11	0.04	0.08
201383	P	<	19	12	46	11	<	<	2	<	<	<	11	19	190	<	26	104	365	11	32	6	4	0.17	2.27	0.43	3.08	0.53	0.06	0.04	0.01
201384	P	<	25	10	62	15	<	<	3	<	<	<	14	29	243	<	33	110	333	11	35	8	5	0.18	2.84	0.49	3.63	0.74	0.06	0.05	0.03
201385	P	<	23	15	70	20	<	<	3	<	<	<	17	24	270	<	39	116	403	9	34	13	5	0.18	3.99	0.46	4.20	0.80	0.06	0.04	0.02
201386	P	<	33	12	68	27	<	<	2	<	<	<	19	31	186	<	39	121	463	11	28	12	7	0.24	3.85	0.43	4.04	0.95	0.10	0.05	0.02
201387	P	<	16	14	67	17	<	<	1	<	<	<	17	10	199	<	12	95	636	17	14	4	7	0.20	4.09	0.40	3.92	0.86	0.40	0.04	0.09
201388	P	<	29	12	74	14	<	<	2	<	<	<	17	30	308	<	49	133	801	14	53	4	8	0.19	3.76	0.82	4.53	1.00	0.10	0.05	0.05
201389	P	0.5	29	13	58	19	<	<	2	<	<	<	11	17	285	<	22	75	844	45	52	2	6	0.09	3.05	1.05	2.85	0.52	0.07	0.04	0.07
201390	P	<	33	11	67	16	<	<	1	<	<	<	18	34	236	<	42	116	601	11	39	10	7	0.24	3.49	0.70	3.88	0.93	0.08	0.06	0.04
201391	P	<	22	14	63	17	<	<	1	<	<	<	14	16	186	<	27	101	511	18	53	5	6	0.20	2.85	0.99	3.43	0.73	0.08	0.06	0.03
201392	P	<	16	16	72	10	<	<	2	<	<	<	15	20	174	<	25	114	538	15	46	8	7	0.25	2.80	0.87	3.86	0.89	0.08	0.07	0.05
201393	P	<	21	12	60	8	<	<	2	<	<	<	12	15	253	<	24	87	526	18	42	3	6	0.14	2.32	0.76	3.09	0.67	0.06	0.06	0.05
201394	P	<	21	13	69	15	<	<	2	<	<	<	17	26	273	<	32	110	476	11	34	12	7	0.20	3.51	0.56	4.10	0.92	0.09	0.05	0.03
201395	P	<	30	11	59	13	<	<	1	<	<	<	14	26	437	<	36	120	629	35	41	11	9	0.16	3.33	0.58	4.03	0.84	0.07	0.06	0.02
201396	P	<	25	14	72	25	<	<	2	<	<	<	18	27	380	<	37	129	438	11	34	11	7	0.18	4.31	0.41	4.59	0.86	0.07	0.05	0.02
201397	P	<	29	17	97	24	<	<	3	<	<	<	19	32	367	<	44	120	585	17	42	11	8	0.20	3.87	0.51	4.13	0.83	0.08	0.05	0.02
201398	P	0.1	40	13	54	6	<	<	1	<	<	<	15	28	166	<	36	120	491	49	68	7	9	0.20	2.71	1.27	3.62	0.73	0.09	0.06	0.06
201399	P	<	30	21	100	10	<	<	2	<	<	<	24	25	150	<	41	165	794	32	53	12	16	0.41	5.20	0.79	5.87	1.40	0.13	0.05	0.04
201400	P	<	30	14	61	20	<	<	1	<	<	<	16	32	261	<	44	119	502	14	50	15	9	0.22	3.30	0.72	3.94	0.86	0.06	0.06	0.02
201401	P	<	21	15	60	23	<	<	2	<	<	<	15	17	221	<	26	101	1034	18	38	5	7	0.19	2.93	0.61	3.58	0.67	0.12	0.06	0.04
201402	P	<	17	10	53	13	<	<	1	<	<	<	11	18	163	<	29	105	355	7	27	4	4	0.15	2.44	0.37	3.44	0.64	0.06	0.04	0.01
201403	P	<	17	16	57	6	<	<	1	<	<	<	12	17	180	<	27	109	328	9	36	6	5	0.20	2.60	0.61	3.61	0.75	0.08	0.04	0.02
201404	P	<	23	15	88	68	<	<	3	<	<	<	19	32	246	<	38	132	472	8	23	8	6	0.17	4.14	0.32	4.87	0.79	0.08	0.04	0.03
201405	P	<	16	20	75	17	<	<	2	<	<	<	16	18	180	6	24	126	734	14	33	4	6	0.24	2.96	0.56	4.12	0.84	0.10	0.04	0.06
201406	P	<	15	13	57	7	<	<	1	<	<	<	11	16	156	<	22	93	309	11	31	5	5	0.20	2.31	0.58	3.04	0.65	0.08	0.05	0.04
201407	P	<	22	14	68	11	<	<	1	<	<	<	16	21	238	<	30	103	673	22	43	9	9	0.22	3.07	0.74	3.59	0.81	0.07	0.06	0.04
201408	P	<	23	14	63	12	<	<	1	<	<	<	13	20	208	<	29	97	489	11	37	8	6	0.19	2.48	0.57	3.45	0.70	0.14	0.06	0.04
201409	P	<	31	16	64	29	<	<	2	<	<	<	19	41	308	<	56	124	433	11	37	17	8	0.20	4.19	0.46	4.19	0.82	0.06	0.05	0.01
201410	P	<	35	10	61	16	<	<	2	<	<	<	16	32	210	<	44	114	488	13	40	13	8	0.22	3.07	0.63	3.76	0.80	0.06	0.06	0.03
201411	P	<	42	10	67	7	<	<	1	<	<	<	14	31	184	<	34	99	474	12	57	11	7	0.20	2.55	1.11	3.39	0.83	0.08	0.10	0.06
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Columbia Street
Vancouver BC
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
201412	P	0.1	31	13	70	12	<	<	2	<	<	<	12	23	173	<	31	85	412	12	46	7	7	0.17	2.34	0.87	2.98	0.74	0.06	0.07	0.05
201413	P	<	16	22	68	<	<	<	2	<	<	<	12	12	93	<	15	93	470	13	21	5	4	0.24	2.53	0.34	3.75	0.59	0.04	0.03	0.02
201414	P	<	15	19	63	13	<	<	1	<	<	<	12	17	138	<	24	94	531	13	36	10	5	0.20	2.66	0.62	3.39	0.63	0.05	0.04	0.03
201415	P	<	18	15	60	13	<	<	2	<	<	<	13	21	222	<	34	94	441	9	41	8	5	0.13	2.66	0.60	3.38	0.66	0.08	0.04	0.01
201416	P	<	24	12	70	21	<	<	2	<	<	<	17	33	293	<	42	122	663	7	38	8	6	0.17	3.41	0.54	4.06	0.78	0.11	0.04	0.02
201417	P	<	28	17	92	17	<	<	2	<	<	<	16	30	254	<	43	123	427	10	31	10	6	0.16	4.22	0.40	4.31	0.63	0.07	0.04	0.04
201418	P	<	16	10	31	12	<	<	1	<	<	<	6	10	135	<	16	53	239	8	18	3	4	0.09	2.04	0.19	2.04	0.23	0.06	0.04	0.02
201419	P	<	22	16	50	11	<	<	2	<	<	<	14	27	169	<	35	112	283	7	25	9	5	0.18	2.92	0.35	3.58	0.57	0.04	0.03	0.02
201420	P	<	22	15	48	7	<	<	2	<	<	<	11	22	183	<	30	87	266	9	26	6	5	0.14	2.62	0.33	3.00	0.51	0.06	0.04	0.02
201421	P	<	19	15	52	21	10	<	1	<	<	<	14	18	236	<	28	90	805	15	31	4	6	0.14	2.48	0.48	3.26	0.57	0.08	0.04	0.03
201422	P	0.2	11	12	51	12	<	<	2	<	<	<	7	10	108	<	16	66	229	10	24	3	3	0.12	1.41	0.39	2.26	0.41	0.06	0.03	0.03
201423	P	<	18	13	56	9	<	<	2	<	<	<	12	23	178	<	35	92	363	13	33	7	5	0.15	2.33	0.50	3.20	0.72	0.05	0.04	0.02
201424	P	<	22	14	67	18	<	<	1	<	<	<	16	30	229	<	36	105	376	7	26	9	5	0.15	3.52	0.34	3.93	0.73	0.06	0.03	0.03
201425	P	<	22	13	62	9	<	<	2	<	<	<	14	26	235	<	31	105	588	9	32	6	6	0.18	2.91	0.53	3.83	0.79	0.07	0.04	0.03
201426	P	<	17	10	41	10	<	<	1	<	<	<	9	13	199	<	21	73	329	9	30	4	4	0.15	2.14	0.43	2.50	0.43	0.07	0.04	0.02
201427	P	<	30	12	64	15	<	<	2	<	<	<	14	26	246	<	36	99	636	14	47	6	7	0.20	2.80	0.83	3.53	0.77	0.09	0.06	0.05
201428	P	<	22	11	65	12	<	<	2	<	<	<	15	24	207	<	31	105	613	10	35	3	5	0.20	2.80	0.60	3.75	0.83	0.09	0.04	0.04
201429	P	<	31	11	63	10	<	<	1	<	<	<	14	28	282	<	36	101	450	13	47	9	7	0.19	2.98	0.82	3.59	0.78	0.08	0.06	0.05
201430	P	<	19	10	48	20	<	<	2	<	<	<	11	19	195	<	27	92	325	8	25	8	5	0.16	2.90	0.36	3.15	0.51	0.05	0.04	0.02
201431	P	<	22	16	63	17	<	<	3	<	<	<	15	27	243	<	30	115	518	10	27	8	6	0.15	3.45	0.41	4.38	0.74	0.09	0.05	0.04
201432	P	<	20	10	53	11	<	<	2	<	<	<	10	16	164	<	20	74	430	14	32	4	4	0.16	2.19	0.56	2.71	0.53	0.07	0.06	0.04
201433	P	<	19	15	65	11	<	<	1	<	<	<	12	19	273	<	33	79	515	12	43	4	6	0.15	2.50	0.70	2.95	0.70	0.07	0.06	0.05
201434	P	<	20	15	66	9	<	<	3	<	<	<	11	21	156	<	35	128	341	11	32	6	4	0.17	2.53	0.42	4.41	0.62	0.06	0.05	0.03
201435	P	<	22	15	62	26	<	<	2	<	<	<	13	24	312	<	34	88	621	14	66	3	7	0.14	2.89	1.00	3.20	0.74	0.07	0.08	0.06
201436	P	<	18	14	55	11	<	<	1	<	<	<	12	16	166	<	27	97	418	9	32	3	5	0.15	2.28	0.56	3.19	0.68	0.06	0.06	0.03
201437	P	0.2	24	10	61	23	<	<	1	<	<	<	14	24	343	<	33	90	666	15	46	2	6	0.14	3.05	0.70	3.27	0.72	0.07	0.07	0.06
201438	P	<	21	14	60	13	<	<	2	<	<	<	12	20	240	<	33	98	394	8	36	3	5	0.17	2.68	0.56	3.26	0.70	0.06	0.06	0.04
201439	P	<	22	12	59	7	<	<	2	<	<	<	13	21	200	<	31	97	417	10	32	4	5	0.18	2.58	0.53	3.30	0.68	0.07	0.05	0.04
201440	P	<	27	11	75	14	<	<	2	<	<	<	15	25	280	<	36	103	636	12	40	3	6	0.17	3.15	0.64	3.71	0.80	0.07	0.04	0.06
201441	P	<	13	10	64	<	<	<	2	<	<	<	12	14	218	<	25	83	614	9	36	3	4	0.15	2.00	0.60	2.80	0.61	0.08	0.04	0.05
201442	P	<	14	11	63	7	<	<	1	<	<	<	10	18	193	<	29	82	394	8	35	2	4	0.15	2.12	0.53	2.73	0.64	0.05	0.04	0.05
201443	P	0.2	17	11	72	8	<	<	1	<	<	<	11	17	181	<	28	82	485	9	31	2	4	0.13	1.95	0.45	2.76	0.55	0.06	0.04	0.05
201444	P	<	15	14	64	<	<	<	1	<	<	<	11	18	172	<	27	86	432	11	31	2	4	0.15	2.19	0.48	2.91	0.59	0.07	0.04	0.05
201445	P	0.2	32	15	73	101	<	<	2	<	<	<	16	36	192	<	45	91	340	14	43	2	6	0.16	3.26	0.67	3.71	1.07	0.08	0.07	0.10
201446	P	<	31	14	71	90	<	<	2	<	<	<	18	37	177	<	41	87	344	16	54	3	6	0.17	3.41	0.84	3.97	1.17	0.16	0.10	0.11
201447	P	<	32	11	74	129	<	<	1	<	<	<	17	34	225	<	40	87	373	16	45	4	6	0.19	3.39	0.78	3.90	1.11	0.16	0.08	0.10
201448	P	<	26	14	68	113	<	<	1	<	<	<	16	33	192	<	37	95	345	12	35	5	6	0.18	3.37	0.60	3.88	0.94	0.10	0.06	0.08
201449	P	<	16	16	67	17	<	<	1	<	<	<	12	23	150	<	32	96	265	10	30	4	5	0.20	2.43	0.51	3.28	0.80	0.08	0.05	0.05
201450	P	<	24	14	62	102	<	<	2	<	<	<	14	26	226	<	38	88	384	13	34	4	6	0.15	2.87	0.59	3.37	0.79	0.09	0.05	0.07
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99I0916

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
201451	P	0.2	16	12	41	106	<	<	2	<	<	<	9	11	147	<	21	70	500	11	23	1	3	0.11	1.65	0.29	2.36	0.41	0.04	0.04	0.03
201452	P	0.2	18	13	47	72	<	<	1	<	<	<	9	12	182	<	24	87	297	14	22	2	3	0.13	1.78	0.32	2.86	0.46	0.06	0.03	0.04
201453	P	0.1	25	10	68	302	<	<	3	<	<	<	14	28	286	<	33	89	570	13	33	3	5	0.15	2.88	0.52	3.54	0.83	0.10	0.04	0.06
201454	P	<	32	18	63	150	<	<	2	<	<	<	15	30	248	<	37	95	509	11	32	6	5	0.17	3.00	0.52	3.62	0.89	0.10	0.04	0.06
201455	P	0.1	18	23	48	677	<	<	2	<	<	<	9	14	174	<	26	88	262	10	23	2	4	0.13	2.21	0.31	2.98	0.49	0.06	0.03	0.04
201456	P	0.4	30	13	65	410	<	<	1	<	<	<	13	28	218	<	33	82	423	13	39	2	5	0.13	2.38	0.68	3.30	0.81	0.08	0.05	0.07
201457	P	0.5	20	9	35	228	<	<	<	<	<	<	8	15	116	<	24	52	268	10	22	1	2	0.09	1.62	0.33	2.21	0.51	0.08	0.06	0.06
201458	P	<	30	12	64	127	<	<	1	<	<	<	15	28	241	<	40	104	471	13	27	11	7	0.15	3.12	0.37	3.75	0.77	0.05	0.04	0.03
201459	P	0.2	26	16	63	192	<	<	2	<	<	<	12	28	299	<	27	78	412	10	31	2	3	0.12	2.38	0.47	3.24	0.79	0.07	0.05	0.07
201460	P	0.3	26	12	57	428	<	<	2	<	<	<	12	22	467	<	27	90	524	12	33	2	4	0.11	2.75	0.48	3.26	0.62	0.07	0.03	0.05
201461	P	0.1	31	17	79	414	<	<	1	<	<	<	15	29	322	<	32	97	562	8	30	3	5	0.15	2.94	0.48	3.63	0.83	0.10	0.04	0.05
201462	P	<	26	18	68	333	<	<	2	<	<	<	14	25	274	<	28	93	463	7	30	3	4	0.16	2.91	0.48	3.47	0.84	0.07	0.04	0.05
201463	P	<	25	13	63	47	<	<	1	<	<	<	15	20	286	<	26	99	460	10	33	4	5	0.19	2.45	0.57	3.43	0.97	0.15	0.04	0.07
201464	P	<	26	11	62	111	<	<	2	<	<	<	14	21	209	<	30	89	314	10	29	4	5	0.17	2.75	0.51	3.25	0.83	0.08	0.04	0.06
201465	P	0.1	24	10	74	68	<	<	2	<	<	<	17	20	187	<	25	112	534	7	25	3	5	0.22	2.53	0.48	3.69	1.01	0.15	0.04	0.06
201466	P	<	36	14	65	36	<	<	3	<	<	<	16	26	312	<	36	103	514	15	32	3	8	0.16	2.90	0.61	3.90	0.82	0.13	0.04	0.07
201467	P	0.7	27	14	72	322	<	<	1	<	<	<	12	20	218	<	25	79	539	9	32	2	4	0.11	2.31	0.54	3.14	0.62	0.08	0.04	0.06
201468	P	2.4	30	30	87	416	<	<	2	<	<	<	12	21	242	<	26	75	536	10	36	2	5	0.10	2.43	0.55	3.13	0.62	0.10	0.04	0.06
201469	P	0.4	24	19	93	97	5	<	1	<	<	<	13	21	165	<	31	76	475	13	30	3	6	0.15	2.05	0.55	3.20	0.79	0.15	0.05	0.07
201470	P	0.5	24	25	60	175	<	<	1	<	<	<	11	19	188	<	33	82	197	12	28	4	6	0.11	2.25	0.41	3.87	0.50	0.04	0.04	0.04
201471	P	0.2	15	19	66	23	<	<	1	<	<	<	8	17	228	<	28	58	183	15	27	4	5	0.13	2.18	0.49	2.30	0.53	0.04	0.04	0.04
201472	P	<	14	13	66	22	<	<	2	<	<	<	20	14	232	<	28	77	1225	10	27	2	5	0.13	2.27	0.44	3.08	0.58	0.06	0.04	0.06
201473	P	<	14	23	78	48	<	<	1	<	<	<	14	18	188	<	27	80	862	10	24	2	5	0.14	2.38	0.42	3.19	0.67	0.08	0.03	0.06
201474	P	<	13	15	66	19	<	<	1	<	<	<	11	15	169	<	23	73	534	9	22	2	4	0.13	1.92	0.37	2.81	0.56	0.08	0.03	0.05
201475	P	0.2	19	11	65	14	<	<	1	<	<	<	9	17	261	<	25	65	311	10	29	1	4	0.10	2.08	0.39	2.63	0.57	0.08	0.03	0.06
201476	P	0.1	18	13	70	162	<	<	2	<	<	<	12	20	251	<	23	74	556	14	31	1	4	0.12	2.19	0.51	3.15	0.73	0.10	0.04	0.08
201477	P	<	17	9	88	129	<	<	2	<	<	<	14	16	298	<	19	91	734	14	21	3	4	0.20	2.53	0.55	4.04	1.06	0.47	0.03	0.12
201478	P	0.1	16	11	68	272	<	<	1	<	<	<	12	11	226	<	17	73	811	11	23	1	3	0.11	1.82	0.47	3.19	0.66	0.19	0.04	0.09
201479	P	0.1	20	11	60	177	<	<	1	<	<	<	14	24	239	<	28	87	446	10	23	8	4	0.12	2.59	0.42	3.43	0.72	0.07	0.04	0.05
201480	P	<	26	12	70	146	<	<	1	<	<	<	15	24	292	<	30	87	584	13	31	4	5	0.12	2.60	0.52	3.46	0.73	0.08	0.04	0.06
201481	P	<	24	15	78	121	<	<	2	<	<	<	14	21	398	<	26	89	521	17	23	5	6	0.09	3.02	0.32	4.30	0.79	0.17	0.03	0.02
201482	P	<	20	13	61	37	<	<	2	<	<	<	12	17	251	<	24	88	534	13	21	2	4	0.14	2.14	0.34	3.36	0.66	0.12	0.04	0.04
201483	P	0.1	19	12	64	39	<	<	1	<	<	<	12	19	218	<	27	96	583	11	20	4	4	0.14	2.33	0.31	3.58	0.67	0.09	0.03	0.03
201484	P	<	17	16	83	62	<	<	2	<	<	<	13	14	204	<	17	91	624	8	17	3	4	0.20	2.32	0.39	3.82	0.91	0.32	0.03	0.08
201485	P	<	19	11	67	59	<	<	2	<	<	<	11	20	190	<	25	94	400	7	19	2	3	0.16	2.08	0.33	3.28	0.70	0.09	0.03	0.04
201486	P	0.2	23	14	57	58	<	<	2	<	<	<	14	29	216	<	32	98	371	7	22	4	4	0.13	2.88	0.32	3.75	0.68	0.05	0.03	0.04
201487	P	0.1	41	16	62	71	<	<	2	<	<	<	16	26	609	<	39	102	711	19	35	5	9	0.11	2.88	0.54	3.71	0.77	0.05	0.04	0.04
201488	P	0.5	25	25	50	42	<	<	2	<	<	<	8	18	182	<	29	87	212	15	21	2	4	0.10	2.45	0.26	2.99	0.46	0.04	0.03	0.03
201489	P	0.3	26	14	65	113	5	<	<	<	<	<	12	26	232	<	33	75	327	10	27	4	6	0.11	2.95	0.45	3.09	0.73	0.05	0.03	0.05
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Collan[illegible] Street
Vancouver, B.C.
Canada V5Y 3G1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99I0916

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
201490	P	0.2	17	17	94	94	13	<	1	<	<	<	17	16	363	<	20	110	384	12	25	5	6	0.22	3.21	0.59	4.10	1.20	0.32	0.04	0.08
201491	P	0.1	37	8	62	15	<	<	1	<	<	<	14	31	137	<	31	95	503	10	61	8	5	0.16	1.89	1.77	3.13	0.86	0.08	0.09	0.07
201492	P	0.1	21	12	62	32	<	<	1	<	<	<	13	16	307	<	27	84	415	16	46	5	6	0.16	2.40	0.77	3.13	0.66	0.06	0.05	0.06
201493	P	0.1	21	10	71	34	<	<	2	<	<	<	16	23	262	<	29	101	625	19	53	6	6	0.18	2.34	1.00	3.53	0.73	0.10	0.06	0.08
201494	P	<	21	9	64	14	<	<	1	<	<	<	13	19	271	<	26	88	403	20	42	6	6	0.17	2.28	0.78	3.26	0.73	0.08	0.05	0.07
201495	P	0.1	19	14	64	76	<	<	2	<	<	<	12	18	267	<	25	85	469	11	37	6	5	0.17	2.29	0.68	3.18	0.67	0.08	0.04	0.05
201496	P	0.1	17	8	69	26	<	<	2	<	<	<	13	18	289	<	24	87	487	12	36	7	5	0.18	2.16	0.71	3.50	0.85	0.18	0.04	0.08
201497	P	0.1	13	8	52	21	<	<	1	<	<	<	10	13	288	<	19	61	419	10	34	3	4	0.11	1.94	0.54	2.36	0.49	0.05	0.04	0.04
201498	P	<	23	11	77	30	<	<	2	<	<	<	17	19	388	<	27	102	708	16	38	7	6	0.22	2.98	0.73	4.17	0.90	0.16	0.04	0.08
201499	P	<	14	9	73	11	<	<	1	<	<	<	13	16	217	<	21	95	536	10	26	5	4	0.20	2.41	0.60	3.84	0.91	0.18	0.03	0.08
201500	P	<	22	10	68	15	<	<	1	<	<	<	13	19	271	<	26	90	506	15	34	7	6	0.18	2.43	0.63	3.64	0.86	0.14	0.04	0.06
201501	P	<	16	13	82	7	<	<	1	<	<	<	15	19	247	<	21	95	553	13	32	4	5	0.18	2.60	0.56	4.02	0.93	0.21	0.03	0.06
201502	P	0.2	22	9	81	15	<	<	2	<	<	<	12	15	366	<	19	91	650	27	41	2	6	0.16	2.42	0.77	3.90	0.81	0.30	0.04	0.08
201503	P	<	22	11	78	12	<	<	2	<	<	<	13	20	200	<	25	106	539	11	28	5	5	0.19	2.46	0.53	4.11	0.89	0.20	0.04	0.05
201504	P	<	22	12	65	52	<	<	3	<	<	<	16	24	243	<	30	101	486	12	35	10	5	0.19	2.60	0.65	3.77	0.87	0.11	0.04	0.06
201505	P	0.1	18	10	62	31	<	<	2	<	<	<	13	15	267	<	21	81	516	10	36	5	5	0.17	2.20	0.67	3.28	0.78	0.12	0.04	0.06
201506	P	<	22	9	54	22	<	<	1	<	<	<	12	23	222	<	35	97	378	10	35	10	5	0.16	2.30	0.61	3.38	0.74	0.05	0.04	0.04
201507	P	0.1	15	12	79	64	<	<	2	<	<	<	14	14	279	<	23	99	584	15	34	5	5	0.19	2.24	0.75	4.03	0.85	0.26	0.04	0.10
201508	P	0.1	16	10	86	83	<	<	1	<	<	3.3	14	14	481	<	16	84	861	19	38	3	6	0.17	2.22	0.80	4.00	0.91	0.25	0.04	0.11
201509	P	<	20	8	70	61	<	<	2	<	<	3.4	15	20	298	<	27	94	516	12	26	7	5	0.15	2.70	0.47	4.00	0.81	0.19	0.03	0.06
201510	P	0.1	20	11	63	12	<	<	2	<	<	<	12	15	246	<	25	100	404	17	30	7	5	0.18	2.55	0.47	3.52	0.78	0.10	0.04	0.03
201511	P	0.1	29	11	70	22	<	<	1	<	<	<	18	32	341	<	37	109	493	17	32	16	5	0.19	3.26	0.42	4.11	0.80	0.08	0.04	0.02
201512	P	0.1	20	12	64	181	<	<	2	<	<	<	12	22	151	<	26	86	467	11	25	2	4	0.15	1.92	0.38	3.10	0.64	0.08	0.03	0.04
201513	P	0.3	19	13	70	109	<	<	2	<	<	<	13	23	199	<	27	79	573	17	31	2	5	0.15	2.34	0.52	3.10	0.75	0.11	0.04	0.06
201514	P	0.6	18	19	72	146	<	<	1	<	<	<	9	21	193	<	28	67	333	13	28	2	4	0.12	2.34	0.42	2.70	0.66	0.07	0.04	0.05
201515	P	0.3	22	19	72	369	<	<	1	<	<	<	11	20	180	<	27	80	751	18	23	2	4	0.11	2.35	0.33	3.22	0.62	0.08	0.03	0.06
201516	P	0.4	18	21	68	316	<	<	1	<	<	<	10	20	159	<	24	75	457	15	21	2	4	0.11	2.12	0.33	2.95	0.61	0.08	0.03	0.05
201517	P	0.4	14	23	64	404	<	<	2	<	<	<	9	15	129	<	17	62	429	16	16	2	3	0.11	1.77	0.27	2.73	0.54	0.17	0.03	0.05
201518	P	0.5	23	12	62	198	<	<	1	<	<	<	9	18	189	<	21	72	432	17	26	2	3	0.13	2.01	0.38	3.04	0.65	0.12	0.03	0.04
201519	P	0.3	20	12	65	238	<	<	2	<	<	<	14	18	166	<	22	80	733	16	22	2	3	0.14	2.15	0.34	3.29	0.69	0.15	0.03	0.06
201520	P	0.2	23	10	67	117	<	<	1	<	<	<	14	23	172	<	29	82	712	18	25	4	4	0.13	2.46	0.39	3.62	0.77	0.07	0.04	0.06
201521	P	<	27	11	65	24	<	<	2	<	<	<	16	34	219	<	35	96	434	10	29	14	5	0.16	3.39	0.41	3.78	0.80	0.07	0.05	0.05
201522	P	0.2	26	17	93	458	<	<	1	<	<	<	16	22	215	<	24	96	771	13	22	4	6	0.19	3.06	0.50	4.49	1.12	0.42	0.03	0.08
201523	P	0.1	16	10	50	21	<	<	1	<	<	<	9	18	152	<	23	78	266	8	23	4	3	0.14	1.99	0.36	2.76	0.56	0.05	0.04	0.04
201524	P	0.1	21	12	72	24	<	<	2	<	<	<	13	23	211	<	27	82	437	15	29	5	5	0.16	2.41	0.54	3.31	0.82	0.12	0.04	0.07
201525	P	0.6	29	8	86	22	<	<	2	<	<	<	22	29	199	<	37	81	893	23	50	3	5	0.15	2.54	0.81	4.24	1.23	0.08	0.08	0.13
201526	P	0.1	13	11	78	46	<	<	<	<	<	<	12	15	182	<	20	70	478	13	25	2	4	0.14	2.01	0.44	3.20	0.79	0.09	0.04	0.07
201527	P	0.3	17	24	115	368	<	<	1	<	<	<	14	20	329	<	20	86	872	20	25	4	5	0.17	2.42	0.55	4.13	1.00	0.38	0.03	0.09
201528	P	0.2	17	18	79	151	<	<	2	<	<	<	14	21	213	<	32	89	485	13	31	7	4	0.17	2.73	0.48	4.06	0.86	0.12	0.04	0.07
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Columbia Street
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name			Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
201529		P	<	20	15	66	127	<	<	1	<	<	<	12	18	183	<	23	74	559	14	24	3	4	0.12	2.15	0.38	3.13	0.54	0.11	0.03	0.05
201530		P	<	15	13	55	65	<	<	1	<	<	<	10	15	151	<	22	69	437	12	23	3	3	0.11	1.80	0.37	2.60	0.48	0.06	0.03	0.04
201531		P	0.4	18	29	69	716	<	<	2	<	<	<	12	18	209	<	21	81	640	15	23	2	4	0.12	2.07	0.38	3.52	0.67	0.14	0.03	0.05
201532		P	0.3	18	12	49	137	<	<	1	<	<	<	8	14	184	<	20	67	308	15	26	2	3	0.11	1.85	0.35	2.59	0.49	0.08	0.04	0.05
201533		P	<	20	15	67	130	<	<	2	<	<	<	12	17	198	<	24	87	482	15	25	3	4	0.16	2.29	0.42	3.25	0.72	0.11	0.04	0.05
201534		P	<	24	13	72	66	<	<	2	<	<	<	15	26	233	<	33	104	492	11	30	10	5	0.18	3.10	0.44	3.99	0.84	0.09	0.04	0.04
201535		P	<	23	17	72	563	<	<	2	<	<	<	14	31	188	<	32	104	431	11	27	8	5	0.16	2.97	0.47	4.35	0.80	0.11	0.03	0.05
201536		P	0.5	23	18	74	248	<	<	1	<	<	<	11	20	225	<	27	86	468	19	30	3	5	0.17	2.35	0.50	3.31	0.75	0.18	0.04	0.06
201537		P	0.5	15	20	98	664	<	<	2	<	<	<	15	15	392	<	15	93	901	24	20	2	5	0.22	2.90	0.58	4.51	1.08	0.73	0.03	0.12
201538		P	<	22	11	65	212	<	<	2	<	<	<	13	23	255	<	29	93	401	13	28	5	5	0.15	2.64	0.42	3.61	0.77	0.10	0.04	0.04
201539		P	0.1	21	12	64	211	<	<	1	<	<	<	11	20	236	<	26	83	399	16	26	3	4	0.12	2.34	0.42	3.26	0.67	0.07	0.03	0.05
201540		P	0.1	22	14	66	43	<	<	2	<	<	<	13	28	208	<	30	95	410	14	24	6	5	0.15	2.76	0.38	3.71	0.74	0.12	0.03	0.04
201541		P	<	19	16	86	217	<	<	1	<	<	<	13	19	202	<	21	73	778	21	20	5	4	0.14	2.40	0.39	3.63	0.77	0.32	0.03	0.06
201542		P	<	17	16	79	164	<	<	2	<	<	<	11	17	206	<	18	73	703	19	22	2	4	0.14	2.14	0.38	3.40	0.72	0.31	0.03	0.06
201543		P	0.1	15	14	78	98	<	<	1	<	<	<	10	15	140	<	18	72	508	13	12	2	3	0.09	2.52	0.16	3.24	0.46	0.15	0.03	0.04
201544		P	<	20	9	63	36	<	<	1	<	<	<	13	20	215	<	27	93	439	10	36	8	5	0.20	2.74	0.61	3.46	0.80	0.08	0.05	0.04
201545		P	0.1	13	7	30	39	<	<	1	<	<	<	5	9	95	<	13	44	125	6	20	2	2	0.10	1.25	0.27	1.62	0.25	0.05	0.05	0.02
201546		P	<	24	11	66	33	<	<	1	<	<	<	13	20	257	<	29	95	409	13	38	13	6	0.21	2.82	0.62	3.59	0.83	0.13	0.05	0.04
201547		P	<	25	15	62	54	<	<	2	<	<	<	13	22	218	<	32	106	461	13	35	8	5	0.18	3.21	0.53	3.94	0.70	0.08	0.04	0.03
201548		P	<	34	13	73	39	<	<	1	<	<	<	14	23	246	<	32	94	646	16	50	12	8	0.20	2.77	0.90	3.74	0.80	0.24	0.06	0.06
201549		P	<	22	9	57	11	<	<	2	<	<	<	11	16	170	<	25	71	362	9	39	6	4	0.15	2.14	0.69	2.89	0.66	0.13	0.04	0.05
201550	STANDARD	P	9.7	32	17	57	57	<	<	2	<	<	<	22	39	304	<	60	71	1562	13	20	8	7	0.02	2.40	1.10	3.66	0.20	0.14	0.03	0.02
201551		P	<	44	12	56	8	<	<	1	<	<	<	13	29	201	<	33	92	371	14	51	15	7	0.16	2.31	0.97	3.27	0.74	0.09	0.07	0.05
201552		P	<	22	11	49	13	<	<	2	<	<	<	11	18	144	<	28	101	300	11	30	7	4	0.16	2.22	0.54	3.02	0.62	0.05	0.04	0.04
201553		P	<	26	12	56	11	<	<	1	<	<	<	17	21	364	<	32	119	464	13	49	9	8	0.25	3.10	0.92	3.78	1.19	0.13	0.09	0.05
201554		P	<	43	16	61	17	<	<	2	<	<	<	18	59	216	<	101	126	383	12	30	16	10	0.14	3.64	0.45	5.06	0.83	0.06	0.03	0.02
201555		P	<	27	14	56	18	<	<	2	<	<	<	15	33	227	<	44	113	324	8	33	14	5	0.18	3.33	0.40	3.69	0.67	0.04	0.04	0.01
201556		P	<	35	19	56	17	<	<	1	<	<	<	13	30	263	<	41	99	306	19	37	17	7	0.15	3.29	0.49	3.73	0.74	0.06	0.04	0.01
201557		P	<	28	15	52	17	<	<	1	<	<	<	10	19	156	<	30	86	294	16	31	9	5	0.11	2.73	0.47	3.25	0.67	0.06	0.03	0.01
201558		P	<	16	4	57	10	<	<	1	<	<	<	13	9	211	<	11	88	366	12	29	4	4	0.21	2.39	0.46	3.23	0.81	0.40	0.04	0.04
201559		P	<	36	18	62	25	<	<	2	<	<	<	16	35	285	<	40	106	361	9	31	14	5	0.14	3.69	0.31	3.95	0.67	0.07	0.03	0.02
201560		P	<	22	34	48	22	<	<	2	<	<	<	8	13	179	<	15	66	432	12	22	9	6	0.07	3.67	0.24	3.95	0.54	0.24	0.02	0.03
201561		P	<	25	23	58	39	<	<	3	<	<	<	16	35	288	<	40	117	389	8	23	11	4	0.14	4.43	0.22	4.48	0.65	0.07	0.03	0.02
201562		P	<	19	12	48	16	<	<	2	<	<	<	12	25	279	<	34	105	325	7	34	8	5	0.13	3.00	0.47	3.60	0.69	0.04	0.03	0.01
201563		P	<	34	15	58	13	<	<	2	<	<	<	15	34	227	<	49	116	363	9	39	18	6	0.17	3.30	0.46	3.89	0.75	0.05	0.04	0.01
201564		P	<	29	21	66	30	<	<	3	<	<	<	21	41	308	<	46	119	552	7	28	11	5	0.15	4.38	0.35	4.21	0.65	0.06	0.03	0.03
201565		P	<	24	15	64	20	<	<	1	<	<	<	13	28	233	<	42	111	346	7	31	5	4	0.14	3.18	0.38	3.67	0.64	0.07	0.03	0.02
201566		P	<	18	13	56	10	<	<	2	<	<	<	12	23	158	<	31	94	484	8	29	5	4	0.13	2.37	0.42	3.20	0.55	0.10	0.04	0.02
201567		P	<	14	12	57	<	<	<	2	<	<	<	9	8	241	<	15	66	650	7	25	3	3	0.12	1.65	0.36	2.80	0.43	0.21	0.03	0.05
Min Limit			0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method			ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample P=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 99I0916

2036 Column Street
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
201568	P	<	21	21	80	27	<	<	2	<	<	<	8	10	411	<	16	61	353	33	33	2	6	0.02	2.86	0.47	3.63	0.34	0.09	0.03	0.06
201569	P	<	10	13	70	<	<	<	1	<	<	<	11	11	1977	<	14	71	630	43	35	7	5	0.12	2.54	0.64	3.55	0.87	0.43	0.03	0.08
201570	P	<	17	11	73	17	<	<	2	<	<	<	16	24	226	<	32	106	1181	6	21	5	4	0.14	2.79	0.31	3.84	0.66	0.11	0.03	0.03
201571	P	<	12	12	48	20	<	<	1	<	<	<	11	13	398	<	26	82	273	7	28	10	4	0.16	2.79	0.40	3.13	0.61	0.12	0.03	0.01
201572	P	<	13	8	31	11	<	<	1	<	<	<	6	9	208	<	11	49	678	7	18	3	2	0.06	1.38	0.22	1.88	0.20	0.06	0.04	0.03
201573	P	<	14	8	49	12	<	<	1	<	<	<	12	14	868	<	18	71	756	9	33	5	4	0.12	2.29	0.39	3.12	0.53	0.17	0.03	0.03
201574	P	<	7	12	89	<	<	<	2	<	<	<	12	6	685	<	11	80	620	15	35	6	6	0.19	2.16	0.42	4.21	0.86	0.44	0.03	0.02
201575	P	<	17	18	59	8	<	<	1	<	<	<	9	12	378	<	21	86	342	10	26	7	5	0.14	2.90	0.29	3.75	0.63	0.28	0.02	0.02
201576	P	<	9	10	55	6	<	<	1	<	<	<	9	10	856	<	15	62	435	12	30	5	4	0.09	2.21	0.44	3.01	0.66	0.24	0.03	0.03
201577	P	<	19	15	64	6	<	<	1	<	<	<	13	23	463	<	34	92	494	30	31	13	9	0.14	2.73	0.48	4.01	0.75	0.40	0.03	0.03
201578	P	0.1	19	7	51	<	<	<	1	<	<	<	9	18	219	<	22	67	276	10	37	4	3	0.11	1.58	0.70	2.41	0.59	0.08	0.05	0.06
201579	P	<	27	8	45	<	<	<	1	<	<	<	9	21	219	<	26	72	290	9	46	5	4	0.12	1.75	0.90	2.52	0.59	0.06	0.05	0.06
201580	P	<	28	8	52	14	<	<	<	<	<	<	19	20	267	<	30	83	1486	10	46	5	5	0.13	2.20	0.77	3.16	0.59	0.06	0.05	0.05
201581	P	<	38	14	60	8	<	<	2	<	<	<	12	27	246	<	34	90	353	16	47	18	8	0.17	2.38	0.82	3.39	0.68	0.12	0.06	0.04
201582	P	<	19	13	44	10	<	<	1	<	<	<	13	23	243	<	31	92	443	9	33	9	5	0.13	2.53	0.58	3.22	0.59	0.06	0.04	0.02
201583	P	<	18	13	68	16	<	<	3	<	<	<	14	19	349	<	29	92	667	7	27	5	4	0.13	2.44	0.37	3.32	0.51	0.06	0.04	0.02
201584	P	<	35	9	50	12	<	<	<	<	<	<	14	28	205	<	40	106	383	13	35	11	8	0.17	2.32	0.63	3.39	0.73	0.06	0.05	0.02
201585	P	<	40	6	47	10	<	<	<	<	<	<	11	26	186	<	30	88	358	11	53	9	6	0.14	1.96	1.07	2.79	0.57	0.06	0.06	0.05
201586	P	<	42	8	54	12	<	<	<	<	<	<	14	28	162	<	31	92	475	10	53	12	6	0.15	2.08	1.10	3.20	0.71	0.06	0.07	0.05
201587	P	<	40	7	53	6	<	<	1	<	<	<	12	25	185	<	34	96	241	13	43	14	7	0.15	2.12	0.84	3.23	0.68	0.08	0.06	0.06
201588	P	0.1	32	7	40	9	<	<	1	<	<	<	9	20	139	<	23	62	381	8	51	4	3	0.09	1.48	1.05	2.26	0.48	0.05	0.05	0.07
201589	P	0.1	13	13	64	97	<	<	2	<	<	<	13	11	129	<	16	76	873	9	19	2	3	0.14	1.77	0.35	2.86	0.63	0.16	0.03	0.06
201590	P	<	16	9	70	28	<	<	1	<	<	2.4	11	17	150	<	23	79	457	9	28	3	4	0.16	2.19	0.49	2.99	0.72	0.11	0.04	0.06
201591	P	<	19	10	71	20	<	<	1	<	<	<	11	18	168	<	26	85	393	9	30	3	4	0.17	2.31	0.56	2.95	0.79	0.10	0.04	0.06
201592	P	<	17	6	64	13	<	<	1	<	<	<	12	18	173	<	25	78	363	9	27	5	4	0.18	2.30	0.49	3.03	0.75	0.11	0.04	0.05
201593	P	<	13	11	47	21	<	<	2	<	<	<	8	12	132	<	18	75	332	11	15	2	3	0.08	2.01	0.21	2.90	0.36	0.08	0.03	0.06
201594	P	0.2	10	10	37	49	<	<	1	<	<	<	6	6	118	<	10	40	267	10	17	1	2	0.09	1.17	0.21	1.85	0.37	0.19	0.03	0.05
201595	P	<	19	11	71	52	<	<	1	<	<	<	11	19	201	<	26	77	346	10	27	4	4	0.15	2.41	0.48	3.15	0.75	0.10	0.03	0.06
201596	P	<	20	7	71	48	<	<	1	<	<	<	11	18	175	<	25	76	427	10	29	5	5	0.16	2.16	0.54	3.14	0.75	0.19	0.04	0.07
201597	P	<	22	12	69	73	<	<	2	<	<	<	13	19	216	<	26	77	432	13	33	5	5	0.16	2.36	0.61	3.27	0.77	0.15	0.04	0.07
201598	P	<	22	10	57	53	<	<	2	<	<	<	11	16	245	<	23	70	398	13	37	4	5	0.14	2.19	0.62	2.92	0.65	0.09	0.04	0.05
201599	P	<	12	9	68	61	<	<	2	<	<	<	16	13	176	<	16	85	897	10	23	3	4	0.18	2.12	0.49	3.64	0.78	0.40	0.03	0.08
201600	P	0.1	10	10	39	26	<	<	2	<	<	<	7	8	109	<	14	62	228	5	20	3	3	0.13	1.52	0.29	2.19	0.38	0.06	0.03	0.02
201601	P	<	36	9	56	13	<	<	1	<	<	<	15	29	198	<	33	98	388	10	54	10	6	0.16	2.19	1.06	3.34	0.75	0.05	0.07	0.06
201602	P	<	27	7	50	7	<	<	1	<	<	<	10	23	169	<	28	72	282	7	48	5	4	0.13	1.91	0.94	2.67	0.66	0.05	0.06	0.06
201603	P	<	35	13	57	10	<	<	1	<	<	<	13	28	250	<	33	90	372	10	43	10	6	0.17	2.39	0.79	3.24	0.72	0.08	0.06	0.05
201604	P	<	29	10	80	15	<	<	3	<	<	<	17	28	255	<	36	135	992	6	18	8	4	0.20	3.53	0.24	4.70	0.73	0.05	0.03	0.04
201605	P	<	16	11	47	11	<	<	2	<	<	2.3	11	7	222	<	12	101	299	4	19	2	4	0.19	1.82	0.26	3.00	0.72	0.11	0.03	0.03
201606	P	<	27	7	55	8	<	<	1	<	<	<	15	12	382	<	19	98	748	11	30	5	5	0.16	2.21	0.79	3.26	0.66	0.07	0.04	0.05
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver B...
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99I0916

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
201607	P	<	20	7	58	8	<	<	1	<	<	<	12	15	235	<	23	104	277	6	31	4	5	0.23	2.28	0.73	3.14	0.77	0.14	0.06	0.05
201608	P	0.1	24	10	63	15	<	<	1	<	<	<	14	21	358	<	28	107	378	9	42	7	6	0.23	2.53	0.92	3.36	0.82	0.09	0.06	0.05
201609	P	<	28	11	70	28	<	<	<	<	<	<	16	17	421	<	30	112	370	11	44	7	7	0.27	2.84	1.04	3.65	0.98	0.20	0.07	0.08
201610	P	<	21	17	72	47	<	<	1	<	<	<	13	22	254	<	37	94	374	12	40	5	6	0.19	2.81	0.71	3.63	0.88	0.14	0.05	0.08
201611	P	<	16	15	89	38	<	<	1	<	<	<	14	14	226	<	27	90	947	11	38	2	5	0.18	2.39	0.60	3.55	0.84	0.22	0.05	0.07
201612	P	<	22	23	74	67	<	<	2	<	<	<	13	28	221	<	36	93	399	17	34	2	6	0.17	2.70	0.49	3.68	0.89	0.15	0.05	0.07
201613	P	0.5	28	20	62	181	<	<	1	<	<	<	14	26	209	<	37	84	539	17	32	2	5	0.15	2.46	0.43	3.23	0.72	0.12	0.05	0.05
201614	P	0.2	20	11	40	75	<	<	2	<	<	<	8	13	253	<	19	52	329	19	31	1	4	0.12	1.50	0.36	2.15	0.52	0.23	0.05	0.03
201615	P	<	13	9	65	66	<	<	2	<	<	<	9	14	217	<	17	70	490	19	38	1	4	0.14	1.92	0.62	2.95	0.56	0.20	0.04	0.05
201616	P	0.1	18	13	70	122	<	<	1	<	<	<	12	14	222	<	20	78	571	18	23	2	5	0.16	2.48	0.40	3.42	0.73	0.28	0.04	0.06
201617	P	<	19	13	77	103	<	<	2	<	<	<	14	26	175	<	27	94	556	12	24	5	5	0.17	2.61	0.44	3.89	0.84	0.16	0.04	0.06
201618	P	0.1	22	21	73	145	<	<	2	<	<	<	13	20	225	<	27	91	605	17	33	3	5	0.16	2.48	0.53	3.49	0.78	0.11	0.04	0.05
201619	P	0.2	23	14	59	81	<	<	1	<	<	2.3	10	19	213	<	26	78	376	17	32	2	4	0.14	2.32	0.49	2.99	0.64	0.10	0.05	0.05
201620	P	<	22	12	71	36	<	<	3	<	<	<	13	28	203	<	33	106	500	13	34	4	5	0.19	2.74	0.56	3.75	0.85	0.10	0.04	0.04
201621	P	<	25	16	75	36	<	<	2	<	<	<	12	23	202	<	31	110	474	14	40	4	5	0.21	2.60	0.61	3.79	0.78	0.12	0.04	0.04
201622	P	<	24	11	81	43	<	<	2	<	<	<	15	28	240	<	34	105	682	14	43	4	6	0.21	2.97	0.77	3.91	0.95	0.18	0.06	0.07
201623	P	0.1	24	16	70	46	<	<	2	<	<	<	11	18	231	<	29	89	486	17	44	3	5	0.16	2.57	0.67	3.25	0.69	0.12	0.05	0.05
201624	P	0.1	21	18	77	122	<	<	2	<	<	<	14	20	212	<	29	95	635	17	35	3	6	0.18	2.63	0.60	3.61	0.76	0.13	0.05	0.06
201625	P	<	17	24	93	57	<	<	2	<	<	<	15	9	300	<	14	82	1060	16	15	6	5	0.22	2.88	0.27	4.03	0.77	0.58	0.03	0.06
201626	P	0.6	19	19	75	177	<	<	2	<	<	<	11	18	218	<	22	73	559	19	32	2	4	0.13	2.36	0.48	3.10	0.65	0.15	0.04	0.07
201627	P	0.5	33	23	63	103	<	<	2	<	<	<	12	22	201	<	28	71	583	21	30	2	4	0.13	2.19	0.47	2.94	0.65	0.12	0.04	0.06
201628	P	0.1	22	15	71	124	<	<	1	<	<	<	13	20	208	<	27	87	634	17	33	3	5	0.15	2.35	0.54	3.40	0.73	0.13	0.04	0.06
201629	P	0.1	24	16	70	51	<	<	1	<	<	<	14	29	250	<	32	93	554	16	37	5	5	0.18	2.77	0.61	3.52	0.82	0.15	0.05	0.06
201630	P	0.1	19	17	72	446	<	<	2	<	<	<	18	20	205	<	30	93	1622	16	34	2	5	0.16	2.27	0.61	3.56	0.73	0.12	0.05	0.07
201631	P	<	45	12	64	21	<	<	1	<	<	<	16	33	225	<	40	113	317	14	62	13	8	0.21	2.83	1.12	3.54	0.73	0.08	0.09	0.06
201632	P	0.3	30	25	107	23	<	<	2	<	<	<	19	22	225	<	30	124	662	27	48	7	11	0.29	3.52	0.93	4.54	1.30	0.36	0.07	0.07
201633	P	<	18	15	81	26	<	<	1	<	<	<	16	18	173	<	32	169	501	9	36	6	6	0.31	3.01	0.62	4.61	0.88	0.15	0.05	0.03
201634	P	0.1	23	16	71	32	<	<	1	<	<	<	15	18	200	<	26	110	570	12	33	6	6	0.21	2.94	0.57	3.76	0.73	0.18	0.05	0.05
201635	P	<	18	10	77	17	<	<	2	<	<	<	18	23	275	<	28	136	533	9	39	7	6	0.27	3.46	0.73	4.37	1.12	0.17	0.06	0.05
201636	P	<	17	11	55	13	<	<	1	<	<	<	13	16	206	<	21	88	367	10	30	6	5	0.18	2.39	0.52	2.93	0.61	0.10	0.04	0.03
201637	P	<	19	7	59	11	<	<	1	<	<	<	12	20	252	<	22	82	365	13	42	5	5	0.18	2.37	0.73	2.91	0.67	0.13	0.05	0.04
201638	P	<	16	6	62	15	<	<	2	<	<	<	15	19	158	<	26	107	534	7	29	4	4	0.20	2.71	0.51	3.45	0.71	0.07	0.04	0.05
201639	P	<	16	8	59	6	<	<	1	<	<	<	12	18	158	<	26	94	354	8	37	7	5	0.22	2.35	0.72	3.15	0.78	0.10	0.05	0.05
201640	P	<	21	11	55	10	<	<	1	<	<	<	11	17	238	<	24	80	334	9	47	5	5	0.20	2.20	0.88	2.85	0.65	0.14	0.06	0.04
201641	P	<	22	10	63	15	<	<	1	<	<	<	15	18	317	<	29	101	601	14	47	5	7	0.22	2.60	0.80	3.27	0.72	0.12	0.07	0.05
201642	P	0.2	19	10	75	6	<	<	1	<	<	<	15	20	399	<	26	91	1242	13	52	4	6	0.18	2.26	0.95	3.08	0.70	0.14	0.06	0.06
201643	P	<	23	7	64	10	<	<	2	<	<	<	12	24	149	<	29	87	429	8	53	5	5	0.16	1.90	1.26	2.81	0.71	0.07	0.08	0.07
201644	P	<	21	12	66	12	<	<	2	<	<	<	14	19	259	<	29	102	472	15	43	8	8	0.20	2.87	0.80	3.63	0.70	0.15	0.06	0.05
201645	P	<	18	9	59	15	<	<	2	<	<	<	14	18	231	<	26	100	928	12	36	6	6	0.17	2.88	0.59	3.49	0.64	0.09	0.05	0.04
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99I0916

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
201646	P	<	16	10	47	7	<	<	2	<	<	<	11	14	257	<	19	81	439	8	23	4	4	0.15	2.17	0.37	2.80	0.48	0.16	0.04	0.04
201647	P	<	4	<	14	<	<	<	1	<	<	<	3	4	36	<	5	24	66	2	9	1	1	0.05	0.53	0.14	0.91	0.11	0.02	0.04	0.04
201648	P	<	15	10	44	12	<	<	1	<	<	<	10	13	153	<	19	76	245	6	17	4	4	0.13	2.16	0.24	2.76	0.49	0.11	0.04	0.04
201649	P	<	20	12	66	15	<	<	2	<	<	<	18	23	254	<	28	131	461	11	27	7	4	0.25	3.27	0.43	4.34	0.93	0.15	0.04	0.03
201650	P	<	21	10	44	20	<	<	2	<	<	<	12	14	232	<	20	77	762	10	26	4	4	0.14	2.56	0.31	2.79	0.38	0.12	0.05	0.03
201651	P	<	17	11	68	10	<	<	2	<	<	<	14	15	295	<	25	115	504	8	31	6	5	0.22	2.90	0.55	3.89	0.91	0.21	0.04	0.05
201652	P	0.1	27	6	63	10	<	<	1	<	<	<	14	16	439	<	16	108	545	13	42	2	5	0.18	2.73	0.93	3.78	0.80	0.32	0.05	0.15
201653	P	<	23	9	64	13	<	<	2	<	<	3.4	17	19	406	<	21	113	554	12	29	3	5	0.24	2.94	0.61	3.99	1.02	0.37	0.05	0.10
201654	P	<	20	11	51	16	<	<	2	<	<	<	13	20	230	<	26	114	401	5	34	5	4	0.20	2.40	0.57	3.60	0.70	0.13	0.04	0.03
201655	P	<	23	9	59	21	<	<	2	<	<	<	16	18	272	<	21	116	429	12	24	5	4	0.23	2.65	0.40	3.78	0.86	0.27	0.04	0.04
201656	P	<	18	9	49	8	<	<	2	<	<	<	13	15	210	<	22	99	325	9	22	4	3	0.17	1.93	0.32	3.05	0.59	0.11	0.04	0.02
201657	P	<	27	6	50	7	<	<	1	<	<	<	13	9	566	<	17	94	297	40	44	5	7	0.21	2.26	0.73	3.13	0.73	0.29	0.05	0.07
201658	P	<	24	13	52	14	<	<	1	<	<	<	15	25	210	<	31	125	293	22	16	7	5	0.18	2.94	0.24	4.14	0.64	0.09	0.04	0.02
201659	P	<	19	11	67	17	<	<	2	<	<	<	15	23	306	<	31	129	400	6	29	7	5	0.24	2.86	0.44	4.13	0.88	0.17	0.04	0.02
201660	P	<	31	10	59	15	<	<	1	<	<	<	16	20	329	<	26	101	508	34	51	5	10	0.19	2.53	0.86	3.43	0.82	0.21	0.06	0.08
201661	P	<	23	12	46	12	<	<	2	<	<	2.4	12	22	176	<	30	94	277	13	41	8	5	0.17	2.33	0.79	2.99	0.66	0.06	0.06	0.04
OPL 990901-4	P	<	38	25	107	115	<	<	2	<	<	<	15	28	445	<	28	87	773	27	63	30	7	0.15	4.84	0.50	3.10	0.58	0.76	0.09	0.05
201662	P	<	25	13	84	18	<	<	2	<	<	<	21	29	431	<	38	132	913	7	33	8	5	0.21	3.35	0.48	4.44	0.83	0.16	0.04	0.03
201663	P	<	26	8	46	18	<	<	1	<	<	<	12	16	475	<	24	91	308	23	31	7	5	0.18	2.33	0.65	3.04	0.61	0.11	0.06	0.06
201664	P	<	21	8	56	109	<	<	2	<	<	<	12	15	280	<	20	94	379	7	34	3	4	0.17	2.04	0.63	3.11	0.76	0.18	0.05	0.03
201664 STANDARD	P	9.8	32	19	56	57	<	<	3	<	<	<	22	38	297	<	60	69	1525	21	20	7	7	0.01	2.39	1.09	3.59	0.20	0.15	0.03	0.02
201665	P	<	17	13	64	23	<	<	<	<	<	<	13	23	249	<	28	90	377	17	27	5	6	0.18	2.68	0.50	2.92	0.75	0.13	0.04	0.05
201666	P	<	21	15	73	70	<	<	<	<	<	<	12	25	232	<	33	92	267	15	29	7	6	0.19	2.89	0.52	3.22	0.78	0.09	0.04	0.04
201667	P	<	29	14	65	33	<	<	2	<	<	<	14	26	262	<	32	97	380	61	35	5	7	0.19	2.54	0.60	3.38	0.74	0.08	0.05	0.06
201668	P	<	22	8	67	10	<	<	3	<	<	<	15	21	164	<	33	98	391	38	37	6	5	0.19	2.07	0.69	3.32	0.76	0.11	0.06	0.07
201669	P	<	25	10	66	14	<	<	2	<	<	<	16	24	188	<	31	92	484	29	27	5	6	0.20	2.51	0.52	3.33	0.80	0.11	0.05	0.06
201670	P	<	18	12	62	10	<	<	2	<	<	<	13	21	170	<	27	77	455	13	33	4	5	0.16	2.09	0.59	2.93	0.65	0.08	0.05	0.07
201671	P	<	17	10	54	13	<	<	2	<	<	<	12	17	166	<	24	79	578	11	25	2	3	0.13	1.97	0.38	2.79	0.50	0.05	0.04	0.04
201672	P	<	20	7	64	6	<	<	1	<	<	<	15	23	164	<	27	95	618	12	28	5	5	0.18	2.09	0.56	3.44	0.76	0.10	0.05	0.07
201673	P	<	14	9	54	18	<	<	2	<	<	<	9	18	127	<	25	77	266	8	24	3	3	0.13	1.90	0.41	2.70	0.56	0.06	0.04	0.05
201674	P	<	13	10	57	15	<	<	2	<	<	<	8	17	128	<	24	66	217	8	24	3	3	0.12	1.88	0.38	2.49	0.54	0.06	0.04	0.04
201675	P	<	11	8	50	18	<	<	1	<	<	<	7	16	119	<	22	55	160	8	24	2	3	0.12	1.72	0.35	2.22	0.49	0.05	0.04	0.04
201676	P	<	10	10	55	20	<	<	1	<	<	<	14	15	83	<	21	88	531	10	18	3	3	0.14	1.71	0.33	2.96	0.51	0.07	0.03	0.03
201677	P	<	13	11	48	18	<	<	1	<	<	<	7	14	107	<	20	55	188	7	22	2	3	0.11	1.71	0.34	2.27	0.45	0.05	0.04	0.04
201678	P	<	12	10	51	17	<	<	2	<	<	<	11	13	109	<	20	80	429	9	20	2	3	0.13	1.66	0.36	2.66	0.50	0.06	0.04	0.05
201679	P	<	14	10	50	19	<	<	1	<	<	<	8	15	114	<	22	72	235	8	21	2	3	0.11	1.67	0.31	2.37	0.47	0.06	0.04	0.04
201680	P	<	23	11	61	70	<	<	2	<	<	<	13	20	186	<	26	91	478	14	27	3	5	0.14	2.38	0.42	3.22	0.65	0.07	0.04	0.04
201681	P	<	15	9	52	30	<	<	1	<	<	<	11	17	137	<	24	80	278	13	22	5	4	0.14	2.06	0.34	2.74	0.58	0.06	0.04	0.02
201682	P	<	16	8	54	14	<	<	1	<	<	<	12	19	117	<	26	87	407	9	35	5	4	0.14	1.69	0.72	2.80	0.66	0.05	0.06	0.06
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99I0916

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
201683	P	<	31	11	60	<	<	<	2	<	<	<	14	30	159	<	30	83	482	13	49	6	5	0.15	1.87	1.07	2.87	0.70	0.07	0.09	0.07
201684	P	<	19	13	67	7	<	<	2	<	<	<	15	16	230	<	21	95	591	21	32	5	7	0.16	2.62	0.58	3.71	0.80	0.18	0.05	0.05
201685	P	<	18	14	75	11	<	<	2	<	<	<	17	18	236	<	23	113	832	14	32	5	7	0.22	2.83	0.55	3.79	0.82	0.24	0.05	0.04
201686	P	<	16	10	79	<	<	<	1	<	<	<	13	10	258	<	15	102	582	24	35	2	9	0.14	2.19	0.73	4.02	0.73	0.36	0.04	0.06
201687	P	<	17	12	70	<	<	<	2	<	<	<	14	18	186	<	23	115	476	20	25	6	7	0.19	2.65	0.48	4.03	0.82	0.20	0.04	0.05
201688	P	<	9	7	22	<	<	<	1	<	<	<	3	4	26	<	8	44	90	2	8	1	1	0.06	0.53	0.09	1.36	0.08	0.04	0.04	0.02
201689	P	<	25	8	61	11	<	<	2	<	<	<	15	26	236	<	31	97	379	11	35	11	6	0.21	2.84	0.61	3.44	0.83	0.09	0.05	0.04
201690	P	<	22	8	58	8	<	<	1	<	<	<	14	18	266	<	29	92	537	12	35	9	7	0.19	2.69	0.64	3.30	0.77	0.10	0.05	0.04
201691	P	<	14	14	39	8	<	<	2	<	<	<	7	10	155	<	17	81	203	11	19	6	4	0.15	1.93	0.25	2.32	0.39	0.09	0.03	0.01
201692	P	<	19	12	59	18	<	<	1	<	<	<	16	18	250	<	24	103	578	10	24	9	6	0.21	2.87	0.44	3.58	0.82	0.19	0.04	0.04
201693	P	<	17	10	54	14	<	<	2	<	<	<	10	18	229	<	21	95	301	10	27	4	5	0.17	2.46	0.41	3.10	0.60	0.10	0.04	0.02
201694	P	<	23	11	59	11	<	<	1	<	<	<	13	20	236	<	27	102	564	12	32	8	6	0.19	2.89	0.48	3.50	0.66	0.13	0.05	0.03
201695	P	<	22	12	62	16	<	<	2	<	<	<	14	24	216	<	33	127	416	8	29	10	6	0.24	3.53	0.48	4.12	0.80	0.08	0.04	0.03
201696	P	<	22	12	62	17	<	<	<	<	<	<	15	20	172	<	33	112	404	8	34	10	6	0.24	3.23	0.54	3.83	0.85	0.10	0.05	0.03
201697	P	<	23	12	58	15	<	<	2	<	<	<	12	18	209	<	32	96	464	10	38	6	6	0.18	3.22	0.58	3.44	0.52	0.11	0.06	0.02
201698	P	<	16	10	45	8	<	<	3	<	<	<	10	12	141	<	20	79	369	7	24	4	4	0.14	1.91	0.33	2.60	0.45	0.10	0.05	0.02
201699	P	<	19	10	62	9	<	<	2	<	<	<	15	24	186	<	30	116	430	8	27	6	6	0.21	2.78	0.41	3.80	0.80	0.17	0.05	0.03
201700	P	<	22	8	80	6	<	<	1	<	<	<	15	18	299	<	25	105	496	16	40	9	8	0.24	2.62	0.80	3.76	0.94	0.47	0.06	0.08
201701	P	<	11	10	64	5	<	<	1	<	<	<	13	14	243	<	16	85	777	13	28	2	5	0.13	2.08	0.54	2.97	0.68	0.22	0.04	0.06
201702	P	<	14	7	70	10	<	<	1	<	<	<	12	18	205	<	21	94	501	11	28	3	6	0.15	2.19	0.56	3.44	0.78	0.20	0.04	0.06
201703	P	<	15	11	82	6	<	<	2	<	<	<	18	16	261	<	21	100	1385	15	48	3	7	0.18	2.55	0.91	3.64	0.85	0.18	0.06	0.08
201704	P	<	7	6	29	5	<	<	1	<	<	<	6	7	104	<	11	39	193	10	24	1	3	0.09	1.15	0.40	1.45	0.35	0.10	0.06	0.05
201705	P	<	16	14	53	12	<	<	2	<	<	<	12	12	158	<	19	121	386	10	25	4	5	0.24	2.34	0.35	3.29	0.69	0.23	0.04	0.02
201706	P	<	25	15	48	17	<	<	1	<	<	<	13	25	192	<	34	113	235	13	24	8	6	0.19	3.33	0.33	3.78	0.63	0.08	0.04	0.02
201707	P	<	28	13	76	25	<	<	3	<	<	<	19	23	333	<	28	119	2647	19	30	4	8	0.15	4.13	0.46	4.63	0.95	0.10	0.04	0.05
201708	P	<	22	10	66	9	<	<	3	<	<	<	13	19	302	<	24	102	428	15	35	3	5	0.19	2.42	0.58	3.36	0.80	0.15	0.05	0.05
201709	P	<	21	13	70	6	<	<	3	<	<	<	17	20	333	<	28	109	844	13	37	5	5	0.20	2.61	0.58	3.87	0.83	0.23	0.05	0.03
201710	P	<	15	10	61	7	<	<	2	<	<	<	15	18	320	<	25	108	697	6	32	4	4	0.21	2.48	0.51	3.78	0.79	0.32	0.05	0.02
201711	P	<	27	7	50	<	<	<	1	<	<	<	13	30	356	<	38	116	359	11	32	10	6	0.19	2.47	0.66	3.64	0.81	0.14	0.05	0.03
201712	P	<	33	10	76	16	<	<	2	<	<	<	17	19	564	<	28	118	615	16	47	6	11	0.21	2.82	1.08	3.89	1.12	0.43	0.07	0.09
201713	P	<	22	11	57	26	<	<	2	<	<	<	15	13	342	<	24	99	419	13	40	4	7	0.18	2.38	0.69	3.30	0.76	0.15	0.06	0.05
201714	P	<	25	10	55	27	5	<	2	<	<	<	14	15	365	<	25	89	444	16	40	4	8	0.17	2.36	0.70	3.06	0.67	0.09	0.06	0.05
201715	P	<	19	10	61	16	<	<	2	<	<	<	15	15	345	<	26	111	485	12	38	7	7	0.23	2.63	0.70	3.59	0.84	0.13	0.06	0.04
201716	P	<	20	9	64	12	<	<	2	<	<	<	16	14	320	<	22	131	508	9	27	4	8	0.23	3.27	0.45	4.20	1.03	0.22	0.05	0.05
201717	P	<	21	13	105	14	<	<	2	<	<	<	18	25	208	<	34	135	614	5	19	5	4	0.20	3.25	0.27	4.57	0.71	0.16	0.04	0.04
201718	P	<	15	11	42	<	<	<	2	<	<	<	10	16	176	<	21	80	328	5	23	4	3	0.13	1.79	0.29	2.59	0.38	0.05	0.04	0.02
201719	P	<	17	9	56	18	<	<	2	<	<	<	12	19	229	<	27	97	316	5	29	5	3	0.15	2.33	0.39	3.20	0.55	0.05	0.04	0.02
201720	P	<	17	8	43	13	<	<	1	<	<	<	11	20	190	<	28	86	278	6	27	8	4	0.15	2.09	0.42	2.82	0.53	0.05	0.04	0.02
201721	P	<	15	10	42	10	<	<	1	<	<	<	9	18	164	<	26	89	242	7	24	6	3	0.15	2.02	0.38	2.82	0.52	0.06	0.04	0.01
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 9910916

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
201722 P	<	21	11	57	<	<	<	3	<	<	<	13	20	231	<	31	102	314	16	28	7	4	0.19	2.51	0.51	3.39	0.69	0.06	0.05	0.03
201723 P	<	27	11	52	<	<	<	2	<	<	<	13	18	167	<	32	114	267	5	23	8	5	0.23	2.96	0.41	3.80	0.73	0.08	0.04	0.02
201724 P	<	26	14	62	<	<	<	1	<	<	<	16	20	211	<	29	115	285	13	30	9	6	0.19	2.64	0.64	4.33	0.88	0.12	0.05	0.07
201725 P	<	29	14	55	<	<	<	1	<	<	<	13	27	223	<	39	102	243	12	38	9	7	0.17	2.58	0.74	3.27	0.80	0.05	0.05	0.04
201726 P	<	33	12	63	<	<	<	2	<	<	<	16	29	253	<	32	103	393	14	34	8	7	0.20	3.02	0.59	3.84	0.94	0.10	0.05	0.05
201727 P	<	19	9	45	<	<	<	3	<	<	<	12	17	183	<	20	87	297	7	21	4	3	0.16	2.16	0.32	3.06	0.57	0.07	0.04	0.04
201728 P	<	24	17	78	<	<	<	2	<	<	<	19	18	210	<	28	134	459	13	20	7	5	0.25	3.75	0.37	5.18	1.04	0.34	0.04	0.09
201729 P	<	33	15	57	10	<	<	1	<	<	<	22	36	188	<	37	120	335	7	21	12	6	0.17	4.05	0.30	4.35	0.86	0.07	0.04	0.03
201730 P	<	33	19	75	61	<	<	2	<	<	<	22	35	196	<	37	124	384	30	21	11	5	0.23	4.25	0.35	4.58	1.00	0.14	0.04	0.05
201731 P	<	22	8	51	14	<	<	2	<	<	<	12	23	257	<	29	92	397	16	28	8	6	0.17	2.07	0.51	3.26	0.86	0.11	0.05	0.03
201732 P	<	18	12	66	<	<	<	1	<	<	<	14	19	333	<	28	119	413	16	30	6	6	0.22	2.79	0.58	3.91	0.95	0.12	0.04	0.03
201733 P	<	17	12	46	<	<	<	2	<	<	<	12	14	234	5	23	94	455	10	29	7	4	0.18	2.27	0.45	3.05	0.51	0.07	0.05	0.02
201734 P	<	31	12	47	<	<	<	2	<	<	<	14	15	458	<	23	91	537	27	39	4	6	0.15	2.41	0.66	3.02	0.60	0.07	0.06	0.04
201735 P	<	18	11	55	49	<	<	2	<	<	<	13	22	232	<	28	107	351	8	31	5	4	0.18	2.39	0.54	3.42	0.79	0.12	0.05	0.03
201736 P	<	28	11	66	32	<	<	2	<	<	<	15	21	368	<	24	110	527	20	39	3	5	0.21	2.67	0.83	3.57	0.91	0.16	0.05	0.04
201737 P	<	18	11	46	71	<	<	2	<	<	<	10	14	182	<	20	89	286	6	23	3	3	0.14	1.84	0.37	2.88	0.56	0.13	0.04	0.02
201738 P	<	21	12	80	6	<	<	3	<	<	<	16	20	303	<	28	102	1076	9	28	4	4	0.15	2.19	0.48	3.48	0.54	0.13	0.05	0.04
201739 P	<	19	17	71	16	<	<	2	<	<	<	16	24	258	<	34	117	524	15	33	5	3	0.17	3.17	0.49	4.17	0.75	0.07	0.04	0.02
201740 P	<	18	9	50	21	<	<	2	<	<	<	12	18	220	5	28	87	267	7	28	6	4	0.14	2.34	0.53	3.09	0.67	0.06	0.04	0.06
201741 P	<	15	7	47	29	<	<	1	<	<	2.0	11	14	166	<	24	91	227	9	28	6	4	0.16	2.27	0.54	2.99	0.66	0.05	0.04	0.05
201742 P	<	17	13	40	81	<	<	2	<	<	<	9	15	147	<	22	81	180	9	27	4	3	0.13	2.00	0.43	2.61	0.49	0.05	0.04	0.02
201743 P	<	22	9	47	48	<	<	2	<	<	<	11	20	221	<	29	83	293	13	37	8	5	0.16	2.16	0.65	2.87	0.68	0.04	0.06	0.05
201744 P	<	20	14	54	63	<	<	1	<	<	<	11	20	219	<	30	81	261	9	40	5	5	0.16	2.37	0.70	2.98	0.68	0.07	0.05	0.05
201745 P	<	25	12	56	16	<	<	2	<	<	<	12	17	225	<	28	89	297	11	46	5	6	0.16	2.48	0.83	3.21	0.70	0.06	0.06	0.07
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 9910916

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404801	P	0.1	17	18	45	9	<	<	2	<	<	<	20	11	161	<	19	64	2353	24	29	2	2	0.08	1.78	0.37	2.70	0.39	0.08	0.04	0.05
0404802	P	0.4	14	11	32	5	<	<	1	<	<	<	6	9	166	<	15	46	222	14	28	1	2	0.07	1.07	0.33	1.60	0.28	0.06	0.04	0.05
0404803	P	0.2	19	11	61	60	<	<	1	<	<	<	11	18	182	<	24	90	408	16	30	3	5	0.15	2.23	0.42	3.40	0.75	0.13	0.04	0.04
0404804	P	0.3	15	14	53	70	<	<	2	<	<	<	10	14	161	<	19	80	436	9	23	3	4	0.15	2.01	0.34	2.91	0.55	0.09	0.04	0.04
0404805	P	<	23	20	67	58	<	<	1	<	<	<	16	25	150	<	35	111	391	7	19	8	5	0.17	3.61	0.24	4.37	0.68	0.09	0.04	0.04
0404806	P	<	14	13	65	8	<	<	1	<	<	<	12	9	97	<	20	100	456	8	14	4	4	0.21	2.22	0.20	3.66	0.79	0.21	0.04	0.03
0404807	P	0.6	24	30	52	116	<	<	2	<	<	<	12	21	162	<	30	93	313	11	21	7	4	0.13	2.78	0.26	3.48	0.58	0.06	0.04	0.03
0404808	P	<	22	19	51	54	<	<	1	<	<	<	11	21	123	<	31	105	284	7	18	10	4	0.15	3.02	0.23	3.87	0.55	0.06	0.03	0.03
0404809	P	0.9	22	23	60	255	<	<	2	<	<	<	13	29	168	<	34	103	361	8	21	6	4	0.15	2.71	0.29	3.90	0.72	0.11	0.04	0.03
0404810	P	<	15	17	68	79	<	<	2	<	<	<	15	14	152	<	23	105	1091	9	19	2	3	0.15	2.22	0.26	4.01	0.67	0.16	0.03	0.06
0404811	P	<	11	12	34	49	<	<	1	<	<	<	7	11	113	<	17	62	171	5	17	4	2	0.09	1.67	0.20	2.20	0.34	0.03	0.04	0.02
0404812 STANDARD	P	10.4	35	18	61	47	<	<	2	<	<	<	23	37	324	<	66	77	1658	14	22	7	7	0.02	2.76	1.18	3.92	0.23	0.16	0.04	0.03
0404813	P	<	17	20	54	22	<	<	2	<	<	<	11	18	217	<	27	95	411	13	23	5	5	0.09	3.18	0.35	3.76	0.66	0.07	0.04	0.02
0404814	P	<	30	16	62	<	<	<	1	<	<	<	19	45	257	<	77	117	470	9	35	8	7	0.14	3.47	0.52	4.07	1.01	0.05	0.05	0.01
0404815	P	<	30	13	60	<	<	<	1	<	<	<	10	15	362	<	19	69	511	21	83	5	7	0.08	2.19	1.78	2.96	0.70	0.19	0.05	0.09
0404816	P	<	23	26	81	<	<	<	1	<	<	<	17	22	449	<	29	115	712	12	40	9	8	0.23	3.30	0.69	4.37	1.11	0.33	0.05	0.05
0404817	P	<	40	14	65	<	<	<	2	<	<	<	15	23	279	<	33	99	584	15	50	12	7	0.17	2.40	0.97	3.55	0.77	0.13	0.07	0.06
0404818	P	<	31	13	50	<	<	<	1	<	<	<	11	23	252	<	27	79	461	11	49	5	5	0.14	2.05	0.91	2.79	0.61	0.08	0.06	0.06
0404819	P	<	43	10	60	<	<	<	1	<	<	<	13	31	232	<	32	94	447	12	48	12	7	0.16	2.36	0.91	3.35	0.76	0.07	0.07	0.05
0404820	P	<	27	10	46	<	<	<	1	<	<	<	10	20	194	<	26	77	279	9	47	7	5	0.14	1.93	0.89	2.67	0.61	0.04	0.06	0.05
0404821	P	<	26	10	57	<	<	<	<	<	<	<	12	21	189	<	29	85	428	11	56	9	6	0.16	2.16	1.13	2.98	0.67	0.08	0.09	0.06
0404822	P	<	24	7	54	<	<	<	2	<	<	<	11	18	145	<	31	97	263	11	48	9	5	0.17	2.02	0.98	2.89	0.64	0.06	0.09	0.07
0404823	P	<	34	13	58	<	<	<	2	<	<	<	14	24	186	<	32	95	450	13	54	8	6	0.17	2.22	1.08	3.13	0.70	0.06	0.09	0.06
0404824	P	<	30	14	55	<	<	<	1	<	<	<	13	21	169	<	29	84	393	10	53	7	5	0.16	2.11	1.07	3.04	0.69	0.05	0.08	0.06
0404825 STANDARD	P	10.3	32	19	58	50	<	<	1	<	<	<	22	41	310	<	62	73	1575	13	21	7	7	0.02	2.61	1.11	3.72	0.21	0.15	0.03	0.02
0404826	P	<	20	13	68	<	<	<	<	<	<	<	13	21	296	<	25	88	478	10	33	6	5	0.18	2.69	0.51	3.59	0.87	0.20	0.04	0.04
0404827	P	0.2	28	7	32	7	<	<	2	<	<	<	6	13	408	<	14	31	323	56	62	2	3	0.05	1.73	1.02	1.26	0.29	0.09	0.06	0.09
0404828	P	<	18	11	68	<	<	<	1	<	<	<	12	18	201	<	25	76	573	9	33	5	5	0.17	2.23	0.64	2.95	0.75	0.13	0.05	0.07
0404829	P	<	28	14	62	<	<	<	2	<	<	<	12	20	284	<	31	81	381	12	36	5	6	0.15	2.56	0.61	3.18	0.67	0.07	0.04	0.06
0404830	P	<	36	15	61	<	<	<	1	<	<	<	12	26	263	<	34	83	375	14	45	10	7	0.15	2.39	0.76	3.32	0.71	0.10	0.06	0.06
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404831	P	<	14	8	32	<	<	<	1	<	<	<	8	13	88	<	17	59	167	5	18	3	3	0.11	1.75	0.22	2.15	0.37	0.04	0.05	0.01
0404832	P	<	19	13	50	10	<	<	2	<	<	<	9	15	239	<	24	67	367	12	39	2	5	0.12	2.46	0.52	2.82	0.54	0.07	0.06	0.06
0404833	P	<	25	13	65	7	<	<	2	<	<	<	13	21	229	<	31	88	457	14	54	5	6	0.19	2.41	0.96	3.09	0.77	0.12	0.08	0.08
0404834	P	<	22	9	60	6	<	<	2	<	<	<	14	24	225	<	33	104	610	8	38	6	4	0.17	2.64	0.55	3.52	0.66	0.09	0.05	0.02
0404835	P	<	18	14	71	22	<	<	1	<	<	<	13	19	217	<	29	108	735	9	26	4	4	0.16	2.77	0.38	3.71	0.65	0.09	0.04	0.02
0404836	P	<	12	8	72	36	<	<	1	<	<	<	12	11	202	<	16	76	421	15	43	2	5	0.14	1.87	0.90	3.27	0.72	0.18	0.05	0.09
0404837	P	<	15	15	73	7	<	<	1	<	<	<	10	16	206	<	22	57	325	13	46	4	5	0.17	2.01	0.89	2.32	0.77	0.14	0.06	0.07
0404838	P	<	25	11	65	<	<	<	1	<	<	<	13	20	210	<	26	81	494	25	38	6	7	0.15	2.15	0.70	3.20	0.72	0.12	0.06	0.08
0404839	P	<	16	7	55	18	<	<	1	<	<	<	11	15	184	<	22	82	452	11	29	3	4	0.15	1.82	0.59	2.98	0.62	0.07	0.04	0.07
0404840	P	<	25	20	73	30	<	<	1	<	<	<	12	19	233	<	27	86	350	15	35	5	6	0.15	2.24	0.62	3.22	0.70	0.08	0.06	0.06
0404841	P	<	29	12	56	7	<	<	2	<	<	<	14	20	269	<	28	83	722	16	39	3	5	0.13	2.22	0.63	2.96	0.58	0.05	0.06	0.07
0404842	P	<	22	11	59	24	<	<	1	<	<	<	12	18	232	<	28	91	358	14	40	4	5	0.16	2.39	0.67	3.38	0.63	0.07	0.07	0.06
0404843	P	<	18	13	60	8	<	<	1	<	<	<	10	19	192	<	29	84	245	10	50	5	5	0.19	2.23	0.92	2.76	0.70	0.05	0.09	0.06
0404844	P	<	17	14	59	12	<	<	1	<	<	<	14	19	197	<	24	98	485	14	31	4	5	0.18	2.88	0.46	3.56	0.67	0.10	0.05	0.03
0404845	P	<	25	16	65	<	<	<	2	<	<	<	14	24	202	<	33	113	426	12	30	7	5	0.21	3.06	0.51	3.95	0.78	0.11	0.05	0.05
0404846	P	<	22	13	63	<	<	<	2	<	<	<	13	23	189	<	32	107	412	9	30	7	5	0.20	2.88	0.50	3.68	0.77	0.11	0.04	0.05
0404847	P	<	13	9	34	<	<	<	1	<	<	<	6	9	90	<	16	53	172	7	18	2	2	0.11	1.36	0.29	1.96	0.36	0.08	0.05	0.04
0404848	P	<	23	13	64	26	<	<	2	<	<	<	13	25	220	<	28	84	330	9	29	5	5	0.17	2.88	0.49	3.35	0.79	0.16	0.04	0.06
0404849	P	<	25	17	64	5	<	<	1	<	<	<	13	24	199	<	29	84	432	11	24	6	5	0.16	2.91	0.44	3.41	0.76	0.13	0.04	0.06
0404850	P	<	16	13	61	12	<	<	1	<	<	<	9	15	146	<	24	82	335	6	31	3	3	0.13	1.91	0.45	2.69	0.55	0.07	0.04	0.03
0404851	P	<	21	16	67	5	<	<	2	<	<	<	10	17	195	<	23	80	430	12	38	2	4	0.15	2.19	0.55	2.86	0.64	0.12	0.05	0.04
0404852	P	<	19	14	69	100	<	<	2	<	<	<	11	8	197	<	13	70	764	16	20	1	4	0.12	2.05	0.36	3.05	0.63	0.34	0.04	0.06
0404853	P	<	24	17	78	26	<	<	1	<	<	<	16	15	199	<	24	101	687	13	21	4	5	0.21	3.10	0.39	4.38	0.84	0.31	0.04	0.06
0404854	P	<	26	19	58	82	<	<	3	<	<	<	13	25	188	<	31	104	422	14	38	4	5	0.16	2.88	0.47	3.91	0.62	0.11	0.04	0.07
0404855	P	<	26	14	60	11	<	<	2	<	<	<	11	18	225	<	26	83	420	19	31	3	5	0.14	2.36	0.43	3.19	0.67	0.09	0.05	0.05
0404856	P	<	18	18	70	17	<	<	3	<	<	<	12	19	198	<	26	83	505	12	27	2	4	0.14	2.43	0.40	3.13	0.73	0.11	0.05	0.06
0404857	P	<	20	10	52	16	<	<	2	<	<	<	8	16	246	<	21	63	298	29	45	3	4	0.11	2.09	0.71	2.59	0.55	0.13	0.05	0.05
0404858	P	<	20	13	68	19	<	<	3	<	<	<	12	20	155	<	27	92	513	12	28	3	4	0.14	2.28	0.44	3.45	0.70	0.11	0.04	0.04
0404859	P	<	23	14	59	20	<	<	3	<	<	<	10	21	208	5	25	83	405	13	28	3	4	0.13	2.45	0.40	3.23	0.61	0.09	0.04	0.05
0404860 STANDARD	P	22.5	120	931	670	380	14	<	1	<	<	<	4	12	13	<	9	5	126	12	11	4	1	<	0.38	0.27	3.87	0.05	0.05	0.23	0.06
OPL 990901-5	P	<	27	25	95	6	<	<	1	<	<	<	11	22	761	<	21	72	607	23	92	22	6	0.12	3.19	1.35	2.67	0.69	0.55	0.19	0.06
0404861	P	0.1	26	29	70	45	<	<	2	<	<	<	12	21	217	<	25	77	601	13	37	3	4	0.13	2.46	0.48	2.86	0.53	0.11	0.06	0.04
0404862	P	<	23	17	61	25	<	<	2	<	<	<	11	22	200	<	31	94	329	9	38	4	5	0.18	2.95	0.57	3.40	0.67	0.09	0.06	0.04
0404863	P	<	19	15	70	57	<	<	2	<	<	<	13	20	202	<	26	86	509	12	33	4	5	0.20	2.42	0.62	3.37	0.82	0.24	0.05	0.08
0404864	P	<	20	15	68	10	<	<	1	<	<	<	12	20	195	<	29	85	458	12	35	4	5	0.18	2.30	0.63	3.19	0.78	0.17	0.05	0.07
0404865	P	<	23	16	67	15	<	<	1	<	<	<	13	21	222	5	31	83	441	14	33	5	5	0.18	2.58	0.61	3.29	0.82	0.16	0.05	0.07
0404866	P	<	28	13	66	15	<	<	1	<	<	<	12	21	248	<	32	79	343	18	36	6	7	0.17	2.55	0.64	3.19	0.74	0.12	0.05	0.07
0404867	P	<	24	16	66	148	<	<	2	<	<	<	14	27	232	<	29	90	357	17	26	5	6	0.17	3.09	0.48	3.40	0.86	0.09	0.04	0.07
0404868	P	<	21	17	62	15	<	<	2	<	<	<	13	29	184	5	32	98	326	10	29	5	5	0.18	2.79	0.44	3.44	0.75	0.07	0.03	0.03
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99I0916

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404869	P	<	13	8	20	<	<	<	2	<	<	<	4	4	43	<	9	47	73	3	10	2	1	0.07	0.79	0.09	1.46	0.10	0.02	0.04	0.02
0404870	P	0.1	21	16	61	<	<	<	1	<	<	<	12	24	122	<	37	78	441	11	20	6	4	0.12	4.31	0.26	4.28	0.47	0.04	0.03	0.06
0404871	P	<	23	12	67	<	<	<	3	<	<	<	13	23	205	<	31	96	328	11	32	7	6	0.21	2.60	0.63	3.30	0.86	0.11	0.05	0.06
0404872	P	<	21	17	60	25	<	<	3	<	<	<	13	23	138	<	30	102	412	9	18	3	4	0.13	3.01	0.28	4.04	0.64	0.08	0.04	0.04
0404873	P	<	21	18	65	58	<	<	5	<	<	<	14	25	140	<	35	144	387	10	21	5	6	0.21	3.59	0.29	4.71	0.73	0.09	0.04	0.02
0404874	P	<	22	21	60	19	<	<	2	<	<	<	13	29	124	<	38	103	297	9	20	4	4	0.15	3.58	0.28	4.15	0.70	0.07	0.03	0.04
0404875	P	<	12	8	25	<	<	<	1	<	<	<	4	6	80	<	9	36	104	4	19	1	1	0.06	1.31	0.24	1.45	0.16	0.04	0.05	0.04
0404876	P	<	19	17	69	21	<	<	3	<	<	<	15	27	120	<	33	105	409	11	28	5	5	0.19	2.56	0.49	3.64	0.79	0.09	0.05	0.04
0404877	P	<	13	18	59	23	<	<	1	<	<	<	8	16	148	<	28	53	170	8	32	3	4	0.13	2.00	0.49	2.22	0.59	0.07	0.05	0.05
0404878	P	<	23	16	74	46	<	<	4	<	<	<	15	23	148	<	33	98	334	10	26	5	5	0.18	2.70	0.46	3.69	0.74	0.09	0.05	0.05
0404879	P	<	13	16	66	14	<	<	2	<	<	<	10	19	134	<	27	71	223	14	25	3	4	0.14	2.18	0.42	2.60	0.64	0.06	0.04	0.04
0404880	P	<	12	18	64	20	<	<	2	<	<	<	13	15	114	<	24	76	581	10	22	3	3	0.13	1.93	0.36	2.91	0.59	0.07	0.04	0.05
0404881	P	<	18	26	74	21	<	<	2	<	<	<	13	21	153	<	29	84	400	9	24	3	4	0.14	2.48	0.39	3.15	0.69	0.07	0.04	0.05
0404882	P	<	14	17	58	23	<	<	2	<	<	<	9	13	117	<	24	66	290	7	23	2	3	0.11	1.97	0.34	2.60	0.53	0.06	0.04	0.05
0404883	P	<	13	12	60	16	<	<	2	<	<	<	9	16	125	<	25	72	216	9	26	2	4	0.14	2.04	0.42	2.64	0.58	0.06	0.05	0.05
0404884	P	<	12	14	57	13	<	<	2	<	<	<	8	17	107	<	23	59	193	8	25	2	3	0.14	1.90	0.40	2.34	0.55	0.05	0.05	0.04
0404885	P	<	12	14	60	14	<	<	1	<	<	<	9	16	108	<	23	73	240	11	28	3	4	0.16	1.99	0.49	2.68	0.59	0.07	0.05	0.05
0404886	P	<	10	12	51	6	<	<	1	<	<	<	9	11	89	<	20	71	247	11	23	2	3	0.15	1.61	0.45	2.42	0.51	0.07	0.05	0.05
0404887	P	<	13	12	48	13	<	<	1	<	<	<	9	13	112	<	22	76	252	10	22	2	3	0.12	1.83	0.33	2.52	0.49	0.06	0.04	0.04
0404888	P	<	14	29	58	30	<	<	2	<	<	<	10	16	120	<	24	83	345	9	21	2	4	0.14	1.99	0.36	2.75	0.57	0.06	0.05	0.04
0404889	P	<	15	17	60	61	<	<	2	<	<	1.9	17	15	119	<	22	87	830	10	21	2	3	0.12	1.93	0.34	2.99	0.58	0.06	0.04	0.04
0404890	P	<	16	27	67	78	<	<	1	<	<	<	23	16	169	<	25	96	1297	11	22	2	4	0.13	2.18	0.35	3.22	0.64	0.08	0.04	0.05
0404891	P	<	21	14	76	40	<	<	1	<	<	<	18	17	217	<	26	111	605	13	29	6	6	0.20	2.69	0.51	3.96	0.94	0.14	0.05	0.06
0404892	P	<	13	14	57	21	<	<	2	<	<	<	13	16	137	<	24	84	374	11	34	3	4	0.15	1.97	0.73	2.81	0.66	0.06	0.06	0.05
0404893	P	<	28	9	62	<	<	<	2	<	<	<	13	25	163	<	32	88	334	10	54	6	5	0.16	2.05	1.13	3.06	0.78	0.07	0.09	0.07
0404894	P	<	26	12	56	23	<	<	1	<	<	<	11	24	181	<	28	76	351	10	66	5	5	0.13	2.04	1.34	2.75	0.74	0.07	0.08	0.06
0404895	P	<	26	8	60	8	<	<	1	<	<	<	12	26	159	<	30	84	379	9	56	5	5	0.15	2.01	1.24	2.89	0.73	0.07	0.08	0.06
0404896	P	<	20	13	56	<	<	<	2	<	<	<	11	23	187	<	31	90	313	9	50	6	5	0.15	2.13	0.98	3.02	0.71	0.07	0.08	0.05
0404897	P	<	23	13	58	7	<	<	2	<	<	<	13	22	171	6	30	86	416	9	49	7	5	0.15	2.09	0.95	3.02	0.74	0.07	0.08	0.06
0404898	P	<	22	16	57	<	<	<	3	<	<	<	12	19	237	<	27	94	367	10	31	6	5	0.14	2.70	0.48	3.39	0.61	0.07	0.04	0.04
0404899	P	0.5	16	16	46	6	<	<	2	<	<	<	9	12	262	<	18	58	369	10	36	3	4	0.10	2.09	0.50	2.40	0.39	0.09	0.04	0.03
0404900	P	<	23	12	71	<	<	<	2	<	<	<	13	21	285	5	26	81	626	13	44	5	6	0.16	2.53	0.74	3.22	0.75	0.09	0.05	0.06
0404901	P	<	14	13	45	<	<	<	1	<	<	<	9	10	168	<	19	70	284	10	23	4	3	0.15	1.91	0.32	2.48	0.49	0.10	0.04	0.03
0404902	P	<	25	14	60	<	<	<	2	<	<	<	14	26	240	<	30	102	536	14	31	10	6	0.17	2.90	0.46	3.80	0.77	0.08	0.04	0.03
0404903	P	<	14	15	79	29	<	<	1	<	<	<	13	17	181	<	24	111	524	7	25	6	5	0.22	3.27	0.46	4.16	0.89	0.18	0.03	0.04
0404904	P	<	23	12	59	15	<	<	1	<	<	<	13	21	196	<	28	92	436	12	29	11	6	0.18	2.61	0.45	3.44	0.77	0.12	0.04	0.03
0404905	P	<	27	11	69	44	<	<	1	<	<	<	14	22	237	<	31	92	433	15	37	9	7	0.21	2.85	0.68	3.63	0.90	0.21	0.05	0.06
0404906	P	<	19	17	73	113	<	<	3	<	<	<	15	25	153	<	35	121	476	13	32	8	5	0.20	3.24	0.47	4.22	0.85	0.08	0.04	0.02
0404907	P	<	24	10	64	5	<	<	1	<	<	<	14	17	181	<	27	87	502	13	32	8	6	0.18	2.36	0.56	3.31	0.70	0.17	0.05	0.06
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 99I0916

2036 Columbia Street
Vancouver B
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404908	P	<	11	9	63	<	<	<	<	<	<	<	12	15	135	<	18	77	553	10	23	3	4	0.16	1.92	0.45	2.96	0.68	0.14	0.04	0.06
0404909	P	<	12	10	69	6	<	<	1	<	<	<	13	12	167	<	20	83	975	9	31	2	4	0.15	1.96	0.52	2.95	0.66	0.11	0.05	0.06
0404910	P	<	17	10	70	<	<	<	1	<	<	<	13	16	144	<	24	80	544	8	31	4	5	0.17	2.24	0.54	3.21	0.73	0.17	0.05	0.07
0404911	P	<	16	7	38	<	<	<	1	<	<	<	7	11	116	<	17	56	226	6	27	2	2	0.10	1.28	0.38	2.04	0.37	0.06	0.06	0.05
0404912	P	<	18	10	73	11	<	<	2	<	<	<	12	15	358	<	22	93	737	10	35	3	5	0.16	2.13	0.59	3.24	0.82	0.13	0.06	0.08
0404913	P	<	29	10	86	18	<	<	2	<	<	<	15	18	587	<	23	100	608	16	37	4	7	0.19	2.83	0.63	3.72	1.16	0.47	0.05	0.10
0404914	P	<	19	11	68	5	<	<	2	<	<	<	13	21	221	<	28	91	515	14	29	3	4	0.16	2.15	0.55	3.17	0.71	0.09	0.05	0.07
0404915	P	<	22	10	62	<	<	<	2	<	<	<	14	25	200	<	29	97	532	15	28	5	4	0.17	2.07	0.57	3.34	0.75	0.10	0.05	0.07
0404916	P	<	4	<	20	<	<	<	<	<	<	<	3	4	86	<	6	29	162	5	13	1	1	0.05	0.41	0.17	1.05	0.17	0.02	0.05	0.02
0404917	P	<	23	13	68	86	<	<	1	<	<	<	12	21	236	<	29	89	443	14	28	3	4	0.13	2.14	0.50	3.15	0.62	0.07	0.05	0.07
0404918	P	<	21	16	62	121	<	<	1	<	<	<	11	21	166	<	31	103	276	13	33	5	5	0.17	2.14	0.67	3.28	0.70	0.06	0.06	0.07
0404919	P	<	23	15	62	6	<	<	1	<	<	<	15	25	144	<	35	113	459	10	23	5	5	0.18	3.28	0.37	3.99	0.72	0.06	0.04	0.03
0404920	P	<	27	16	73	5	<	<	1	<	<	<	16	30	228	<	34	106	856	13	35	3	5	0.16	2.49	0.57	3.68	0.74	0.09	0.05	0.05
0404921	P	0.3	13	17	60	359	<	<	2	<	<	<	17	9	165	<	16	68	1098	16	24	1	3	0.12	1.78	0.43	2.84	0.62	0.17	0.05	0.08
0404921 STANDARD	P	21.5	117	896	656	376	12	<	1	<	<	<	4	11	12	<	9	5	126	6	11	4	1	<	0.37	0.27	3.78	0.05	0.06	0.23	0.06
0404922	P	0.3	19	17	56	309	<	<	2	<	<	<	9	14	202	<	21	63	399	11	40	2	3	0.11	1.96	0.66	2.54	0.51	0.08	0.05	0.05
0404923	P	<	24	14	58	140	<	<	1	<	<	<	13	23	209	<	27	80	358	25	29	7	4	0.17	2.44	0.51	3.15	0.80	0.14	0.04	0.06
0404924	P	<	20	17	85	479	<	<	2	<	<	<	16	16	239	<	20	97	725	12	21	5	5	0.22	3.07	0.46	4.29	1.05	0.52	0.03	0.09
0404925	P	0.1	22	17	90	211	<	<	1	<	<	<	19	20	309	<	25	110	815	13	22	6	5	0.24	3.51	0.52	4.79	1.15	0.48	0.04	0.10
0404926	P	<	16	16	67	136	<	<	1	<	<	<	13	21	177	<	27	107	533	8	22	5	4	0.17	2.34	0.34	3.81	0.76	0.12	0.03	0.04
0404927	P	<	19	15	83	185	<	<	2	<	<	<	13	15	223	<	19	95	591	14	20	5	5	0.14	3.32	0.28	4.51	0.86	0.24	0.04	0.04
0404928	P	<	23	15	70	88	<	<	<	<	<	<	15	26	283	<	32	98	473	14	30	6	5	0.18	2.76	0.51	3.92	0.90	0.12	0.04	0.04
0404929	P	<	14	14	69	25	<	<	1	<	<	<	11	15	183	5	21	79	504	11	26	2	4	0.16	2.19	0.43	3.04	0.71	0.14	0.04	0.06
0404930	P	<	17	15	86	42	<	<	1	<	<	<	14	15	200	<	25	104	640	11	27	3	5	0.21	2.69	0.50	3.93	0.89	0.16	0.04	0.05
0404931	P	<	19	16	88	37	<	<	2	<	<	<	16	21	236	<	26	98	903	10	32	3	5	0.21	2.65	0.65	3.87	0.99	0.22	0.04	0.09
0404932	P	0.1	28	14	66	123	<	<	2	<	<	<	13	27	212	<	31	89	528	10	27	6	5	0.16	2.77	0.42	3.44	0.73	0.10	0.04	0.05
0404933	P	<	17	17	62	21	<	<	2	<	<	<	12	18	155	<	24	101	448	7	19	5	4	0.19	2.25	0.29	3.61	0.70	0.12	0.03	0.03
0404934	P	<	18	12	83	16	<	<	2	<	<	<	15	19	204	<	22	96	737	8	21	6	4	0.21	2.82	0.40	4.08	1.03	0.40	0.03	0.05
0404935	P	0.1	16	14	58	21	<	<	2	<	<	<	9	16	153	<	24	91	259	10	16	4	3	0.14	2.16	0.22	3.04	0.49	0.08	0.03	0.03
0404936	P	0.4	12	15	53	183	<	<	1	<	<	<	8	13	126	<	21	81	325	6	18	3	2	0.12	1.73	0.23	2.65	0.42	0.06	0.04	0.02
0404937	P	0.9	19	18	60	514	<	<	2	<	<	<	12	17	171	<	25	83	522	13	22	3	3	0.14	2.13	0.30	3.24	0.62	0.10	0.04	0.04
0404938	P	2.8	23	27	60	172	<	<	2	<	<	<	13	21	206	<	31	95	485	12	28	5	4	0.14	2.72	0.40	3.62	0.72	0.09	0.04	0.03
0404939	P	0.7	19	17	58	276	<	<	1	<	<	<	13	17	210	<	25	84	614	11	28	2	4	0.15	2.24	0.38	3.21	0.68	0.13	0.04	0.03
0404940	P	0.7	17	17	65	172	<	<	2	<	<	<	11	14	230	<	19	68	524	16	43	2	4	0.11	2.04	0.65	2.80	0.64	0.13	0.05	0.05
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

Appendix 3

Regional Stream Sediment Analyses

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

20/09/99 Certificate of Analysis

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb		rep Au ppb	(additional runs)
s	402801	168		78	
s	402802	17			
s	402803	18			
s	402804	8			
s	402805	19			
s	402851	13			
s	402852	24			
s	402853	5			
s	402854	5			
s	402855	18			
s	402856	16		18	
s	402857	11			
s	402858	6			
s	402859	<5			
s	402860	8			
s	402861	6			
s	402862	8			
s	402863	7			
s	402864	7			
s	402865	4965	STD		
	Au geo std	472			
s	402866	<5			
s	402867	<5		<5	
s	402868	15			
s	402869	<5			
s	402870	<5			
s	402871	<5			
s	402872	7			
s	402873	<5			
s	402874	7			

Northern
Analytical
Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold

WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)
s	402875	56		
s	402876	5		
s	402877	5	11	
s	402878	9		
s	402879	6		
s	402880	14		

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

Sample #	Au 30g ppb	rep Au 30g ppb
s 402806	<5	
s 402881	6	8
s 402882	5	
s 402883	<5	
s 402884	7	
s 402885	6	
s 402886	7	
s 402887	27	
s 402888	<5	
s 402889	16	
s 402890	<5	
s 402891	8	
s 402892	6	<5
s 402893	<5	

Northern
Analytical
Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb
s	402894	7	
	Au geo std	477	
s	402895	<5	5
s	402896	6	
s	402897	7	
s	402898	<5	
s	402899	13	
s	402900	<5	12

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Colum' reet
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99I0878

Client : Northern Analytical Laboratories
Project: WO#05696

440 Samples
440=Pulp

[087812:57:46:99092399]

Out: Sep 22, 1999
In : Sep 15, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0402801	P	0.3	10	15	68	67	<	<	1	<	<	<	11	13	145	<	18	70	435	14	33	3	4	0.17	1.85	0.77	2.74	0.76	0.21	0.05	0.10
0402802	P	0.1	13	17	84	220	<	<	2	<	<	<	13	19	264	<	20	80	880	19	38	2	5	0.17	2.36	0.70	3.59	0.86	0.32	0.05	0.09
0402803	P	<	11	15	68	128	<	<	1	<	<	<	12	14	191	<	22	81	568	15	35	2	5	0.16	2.05	0.72	3.39	0.79	0.23	0.06	0.11
0402804	P	<	11	13	70	142	<	<	1	<	<	<	11	13	218	<	15	62	777	17	30	2	4	0.14	1.95	0.53	2.91	0.66	0.26	0.04	0.07
0402805	P	<	11	9	64	85	<	<	1	<	<	<	11	14	157	<	17	65	489	16	35	2	4	0.15	1.79	0.72	2.77	0.68	0.21	0.05	0.09
0402851	P	0.3	17	13	81	445	<	<	2	<	<	<	12	18	241	<	19	74	671	23	44	2	4	0.14	2.25	0.72	3.42	0.75	0.24	0.04	0.08
0402852	P	<	16	9	69	38	<	<	1	<	<	<	10	20	170	<	24	68	318	12	42	4	4	0.13	1.80	0.78	2.73	0.65	0.08	0.06	0.07
0402853	P	<	8	10	65	55	<	<	1	<	<	<	10	13	155	<	16	59	415	12	32	3	4	0.14	1.75	0.67	2.94	0.70	0.21	0.05	0.08
0402854	P	<	10	12	62	119	<	<	1	<	<	<	10	13	179	<	17	61	424	13	29	2	3	0.13	1.75	0.53	2.79	0.62	0.15	0.04	0.09
0402855	P	<	21	9	66	23	<	<	2	<	<	<	11	14	231	<	17	81	598	14	36	3	4	0.13	1.78	0.75	3.74	0.79	0.32	0.04	0.12
0402856	P	<	16	11	82	48	<	<	1	<	<	<	13	26	280	<	21	85	685	19	34	3	5	0.17	2.54	0.66	3.93	0.91	0.36	0.05	0.10
0402857	P	0.2	13	15	76	325	5	<	<	<	<	<	12	24	296	<	20	76	779	20	44	2	4	0.15	2.32	0.67	3.52	0.83	0.29	0.04	0.11
0402858	P	<	21	10	60	73	5	<	1	<	<	<	9	16	216	<	12	59	513	20	31	2	4	0.13	2.01	0.51	2.83	0.61	0.38	0.04	0.07
0402859	P	0.1	17	18	81	371	<	<	1	<	<	<	13	13	302	<	21	74	707	23	52	2	4	0.13	2.28	0.87	3.32	0.79	0.19	0.04	0.09
0402860	P	0.3	14	16	77	308	6	<	2	<	<	<	16	10	307	<	13	90	821	10	28	2	5	0.16	2.31	0.62	3.44	0.95	0.25	0.05	0.09
0402861	P	<	10	12	61	31	<	<	2	<	<	<	10	14	212	<	18	63	431	22	26	2	4	0.13	1.81	0.52	2.80	0.57	0.13	0.03	0.07
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 9910878

2036 Column Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#05696

440 Samples
440=Pulp

[087812:57:46:99092399]

Out: Sep 22, 1999
In : Sep 15, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0402862	P	<	16	12	79	10	<	<	1	<	<	<	11	18	128	<	22	71	379	13	47	6	5	0.14	1.72	0.85	2.61	0.62	0.09	0.07	0.06
0402863	P	<	16	10	60	28	<	<	1	<	<	<	12	19	190	<	24	69	417	16	48	6	5	0.15	1.91	0.86	2.78	0.70	0.14	0.07	0.07
0402864	P	<	8	5	52	26	<	<	1	<	<	<	9	9	169	<	11	74	490	12	19	3	3	0.13	1.58	0.42	3.36	0.52	0.35	0.04	0.09
0402865	P	19.1	113	869	641	406	11	<	1	<	<	<	4	10	13	<	9	4	121	<	11	4	1	<	0.35	0.26	3.70	0.05	0.05	0.22	0.06
0402866	P	<	18	13	60	25	<	<	1	<	<	<	14	21	177	<	25	80	1086	12	54	6	5	0.15	1.90	1.00	3.13	0.65	0.07	0.07	0.07
0402867	P	<	16	12	61	10	<	<	<	<	<	<	13	20	149	<	25	76	586	8	44	5	5	0.15	1.93	0.83	3.03	0.64	0.05	0.07	0.06
0402868	P	<	18	15	64	7	<	<	1	<	<	<	13	19	153	<	27	79	418	9	42	5	5	0.15	1.87	0.86	2.92	0.68	0.05	0.07	0.07
0402869	P	<	12	11	64	6	<	<	1	<	<	<	11	19	134	<	24	76	357	9	41	4	4	0.13	1.75	0.81	2.73	0.69	0.04	0.06	0.07
0402870	P	<	17	8	58	<	<	<	1	<	<	<	11	21	115	<	29	85	350	8	43	6	4	0.14	1.71	0.85	2.70	0.71	0.05	0.07	0.07
0402871	P	<	16	11	65	9	<	<	1	<	<	<	14	23	213	<	26	87	546	12	41	4	5	0.15	2.07	0.76	3.11	0.73	0.10	0.06	0.07
0402872	P	<	14	9	89	18	5	<	<	<	<	<	13	27	195	<	23	92	670	11	42	4	5	0.17	2.11	0.81	3.16	0.77	0.13	0.07	0.07
0402873	P	<	16	10	64	13	6	<	<	<	<	<	12	27	190	<	25	83	392	10	40	5	5	0.17	2.04	0.81	2.88	0.75	0.12	0.07	0.06
0402874	P	<	15	11	63	23	6	<	1	<	<	<	12	23	166	<	24	79	512	15	49	5	6	0.17	2.02	0.96	2.97	0.71	0.09	0.07	0.07
0402875	P	<	13	10	54	13	<	<	<	<	<	<	11	22	127	<	23	82	410	8	38	4	4	0.15	1.66	0.85	2.87	0.67	0.08	0.06	0.07
0402876	P	<	14	7	58	8	<	<	1	<	<	<	12	18	152	<	24	77	360	10	50	5	5	0.17	1.96	0.90	2.69	0.68	0.07	0.07	0.06
0402877	P	<	15	10	55	5	<	<	1	<	<	<	11	20	136	<	24	69	424	9	143	6	4	0.13	1.71	1.02	2.60	0.69	0.05	0.07	0.06
0402878	P	<	21	9	60	19	<	<	<	<	<	<	12	29	146	<	28	84	350	9	47	5	5	0.15	1.85	0.93	2.87	0.71	0.06	0.07	0.07
0402879	P	<	23	15	65	12	<	<	1	<	<	<	13	23	213	<	30	77	904	11	214	6	5	0.13	2.02	1.17	3.07	0.75	0.06	0.07	0.07
0402880	P	<	18	8	58	39	<	<	1	<	<	<	12	22	148	<	25	77	331	8	44	6	5	0.13	1.84	0.94	2.74	0.73	0.05	0.07	0.07

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0402806		P	<	12	11	70	<	<	<	1	<	<	<	13	9	291	<	12	88	748	17	29	3	7	0.17	2.13	0.67	3.45	0.82	0.39	0.05	0.09
403927		P	11.1	25	995	331	70	26	<	1	<	<	<	7	6	163	<	65	34	750	19	30	10	5	0.03	0.94	1.29	2.40	0.39	0.22	0.07	0.04
403928	STANDARD	P	19.3	113	875	630	358	12	<	1	<	<	<	4	13	13	<	8	4	121	2	10	4	1	<	0.33	0.26	3.64	0.04	0.04	0.22	0.06
403974	ROCK	P	2.9	9	91	61	99	6	<	2	<	79	<	1	3	74	<	133	2	129	2	2	<	<	<	0.05	0.02	0.42	0.01	0.02	0.02	<
0402881		P	<	13	15	61	<	<	<	1	<	<	<	11	18	202	<	20	68	465	14	38	4	5	0.13	1.76	0.76	2.67	0.68	0.05	0.06	0.07
0402882		P	<	14	12	54	<	<	<	2	<	<	<	12	16	180	<	24	73	543	14	38	3	5	0.15	1.84	0.80	2.78	0.69	0.05	0.05	0.07
0402883		P	<	17	13	55	<	<	<	1	<	<	<	14	15	189	<	23	81	693	13	39	5	5	0.15	2.06	0.71	2.94	0.58	0.06	0.05	0.06
0402884		P	<	13	12	57	<	<	<	2	<	<	<	12	14	162	<	22	72	363	13	37	4	5	0.16	2.02	0.82	2.67	0.70	0.06	0.06	0.06
0402885		P	<	24	9	59	7	<	<	1	<	<	<	12	23	169	<	27	74	374	10	49	5	5	0.14	1.91	0.90	2.70	0.67	0.08	0.07	0.07
0402886		P	<	14	14	60	38	<	<	1	<	<	<	11	10	168	<	17	68	579	11	31	2	4	0.13	1.78	0.55	2.73	0.68	0.21	0.05	0.07
0402887		P	<	9	8	59	55	<	<	1	<	<	<	10	10	202	<	10	65	645	14	21	2	4	0.13	1.65	0.43	2.93	0.62	0.39	0.04	0.08
0402888		P	<	16	11	60	<	<	<	2	<	<	<	12	18	168	<	23	75	462	15	41	4	5	0.14	1.90	0.85	2.86	0.69	0.06	0.06	0.07
0402889		P	<	16	7	57	6	<	<	2	<	<	<	10	17	161	<	23	85	324	16	36	5	4	0.14	1.58	0.80	3.03	0.64	0.07	0.06	0.08
0402890		P	<	12	9	63	<	<	<	1	<	<	<	11	14	158	<	19	75	688	12	35	4	5	0.14	1.83	0.64	2.82	0.66	0.06	0.05	0.06
0402891		P	<	11	6	53	15	<	<	1	<	<	<	9	16	167	<	21	70	386	15	35	4	4	0.11	1.41	0.73	2.51	0.60	0.07	0.05	0.07
Min Limit			0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*			99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method			ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0402892	P	<	13	9	58	<	<	<	1	<	<	<	10	18	163	<	22	69	375	13	41	4	4	0.14	1.72	0.84	2.46	0.67	0.06	0.06	0.07
0402893	P	<	19	12	70	<	<	<	1	<	<	<	13	18	211	<	24	82	513	14	41	5	5	0.15	2.16	0.79	3.06	0.78	0.07	0.07	0.07
0402894	P	<	14	13	60	<	<	<	1	<	<	<	13	19	178	<	25	81	625	11	45	4	4	0.15	1.85	0.93	3.07	0.68	0.05	0.06	0.07
0402895	P	<	30	11	60	7	<	<	<	<	<	<	13	23	193	<	29	87	610	11	55	6	6	0.14	1.95	1.00	3.18	0.66	0.05	0.07	0.07
0402896	P	<	14	13	62	<	<	<	1	<	<	<	11	19	122	<	28	72	494	14	34	2	4	0.11	1.77	0.69	2.66	0.69	0.06	0.04	0.08
0402897	P	<	13	9	57	<	<	<	2	<	<	<	11	19	219	<	33	74	353	15	30	2	4	0.15	1.60	0.75	2.54	0.66	0.17	0.05	0.14
0402898	P	<	13	11	58	<	<	<	1	<	<	<	10	19	130	<	25	68	417	11	38	3	4	0.12	1.64	0.75	2.50	0.65	0.05	0.05	0.07
0402899	P	<	11	10	62	8	<	<	1	<	<	<	11	13	186	<	18	81	534	18	29	4	5	0.12	1.68	0.57	3.03	0.61	0.11	0.04	0.07
0402900	P	<	10	8	57	<	<	<	1	<	<	<	10	15	154	<	18	68	441	12	34	4	4	0.12	1.58	0.69	2.59	0.63	0.07	0.05	0.06
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

Appendix 4

Follow-up Regional Soil Analyses

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: PAMICON DEVELOPMENTS LIMITED ##

611 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Certificate Date: 06-OCT-1999
Invoice No. :19929730
P.O. Number :
Account :RDON

Project : 23501
Comments: ATTN: MIKE STAMMERS CC1: RICHARD GORTON CC2: SANDY SEARS

CERTIFICATE OF ANALYSIS A9929730

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm Aqua R	As ppm	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Bi ppm	
670	201	202	10	< 0.2	507	25	1	18	0.4	61	1.3	
671	201	202	< 5	< 0.2	64	20	< 1	10	< 0.2	49	0.2	
672	201	202	< 5	< 0.2	52	18	< 1	9	< 0.2	66	0.2	
673	201	202	10	0.6	476	20	1	13	0.4	48	1.5	
674	201	202	< 5	0.2	161	16	< 1	9	< 0.2	59	0.3	
675	201	202	< 5	0.2	249	19	< 1	9	0.2	50	0.4	
676	201	202	125	0.2	286	17	< 1	11	0.4	57	1.5	
677	201	202	< 5	0.2	118	24	< 1	8	< 0.2	56	0.2	
678	201	202	< 5	0.2	188	22	< 1	10	< 0.2	56	0.5	
679	201	202	< 5	< 0.2	130	23	< 1	9	< 0.2	59	0.4	
680	201	202	< 5	< 0.2	109	23	< 1	9	0.2	63	0.3	
681	201	202	< 5	< 0.2	253	31	< 1	10	0.2	66	1.2	
682	201	202	10	0.6	507	31	< 1	11	0.2	39	1.3	
683	201	202	10	0.2	534	30	< 1	22	0.6	61	1.3	
684	201	202	< 5	0.2	29	14	< 1	6	< 0.2	43	0.1	
685	201	202	< 5	0.2	35	12	< 1	6	< 0.2	30	0.2	
686	201	202	< 5	< 0.2	32	18	< 1	8	0.2	45	0.2	
687	201	202	5	0.8	126	11	< 1	7	< 0.2	38	0.5	
688	201	202	< 5	0.6	133	14	< 1	9	0.2	46	0.7	
689	201	202	5	< 0.2	468	21	< 1	9	0.8	52	3.5	
690	201	202	< 5	< 0.2	77	13	1	10	< 0.2	59	0.5	
691	201	202	< 5	< 0.2	86	16	< 1	10	0.2	64	0.5	
692	201	202	< 5	< 0.2	84	16	< 1	12	0.2	56	0.3	
693	201	202	< 5	< 0.2	68	16	< 1	10	< 0.2	60	0.4	
694	201	202	< 5	0.2	108	19	1	11	0.2	59	0.4	
695	201	202	< 5	0.2	91	25	1	8	0.4	57	0.5	
696	201	202	< 5	< 0.2	128	22	< 1	8	0.2	64	0.6	
697	201	202	10	< 0.2	188	22	< 1	10	0.4	62	0.6	
698	201	202	< 5	< 0.2	257	16	1	10	0.4	61	0.3	
699	201	202	< 5	< 0.2	17	5	< 1	< 1	< 0.2	16	0.1	
700	201	202	10	< 0.2	145	17	1	10	0.2	56	0.3	
701	201	202	< 5	< 0.2	5	3	< 1	< 1	0.2	13	0.1	

CERTIFICATION: _____

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: PAMICON DEVELOPMENTS LIMITED ##

611 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Page Number :1
Total Pages :2
Certificate Date: 06-OCT-1999
Invoice No. :19929730
P.O. Number :
Account :RDON

Project : 23501
Comments: ATTN: MIKE STAMMERS CC1: RICHARD GORTON CC2: SANDY SEARS

CERTIFICATE OF ANALYSIS A9929730

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm Aqua R	As ppm	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Bi ppm	
387	201 202	10	0.2	261	22	< 1	12	0.4	72	0.7	
388	201 202	10	< 0.2	218	17	< 1	9	< 0.2	57	0.6	
389	201 202	10	0.2	239	20	< 1	9	< 0.2	72	0.9	
390	201 202	10	0.4	255	14	< 1	11	< 0.2	43	0.5	
391	201 202	10	0.6	158	14	< 1	13	< 0.2	58	1.0	
392	201 202	10	< 0.2	150	16	< 1	6	< 0.2	63	0.5	
393	201 202	10	< 0.2	565	22	3	33	0.4	82	1.5	
394	201 202	< 5	< 0.2	100	18	< 1	7	< 0.2	61	0.2	
395	201 202	< 5	< 0.2	34	18	< 1	7	< 0.2	54	0.1	
396	201 202	10	< 0.2	79	20	< 1	6	< 0.2	58	0.3	
397	201 202	< 5	< 0.2	153	13	< 1	8	< 0.2	66	0.2	
398	201 202	5	< 0.2	233	15	< 1	9	< 0.2	58	1.0	
399	201 202	10	< 0.2	347	28	< 1	13	0.6	64	0.9	
400	201 202	20	< 0.2	493	23	< 1	16	0.6	68	1.3	
401	201 202	5	< 0.2	102	19	< 1	14	0.2	50	0.9	
402	201 202	5	< 0.2	98	16	< 1	9	< 0.2	60	0.3	
403	201 202	< 5	< 0.2	80	27	< 1	13	< 0.2	60	0.2	
404	201 202	5	< 0.2	110	19	< 1	13	0.4	64	0.5	
405	201 202	5	< 0.2	71	11	< 1	8	< 0.2	48	0.1	
406	201 202	5	0.6	191	24	< 1	9	< 0.2	45	0.4	
407	201 202	< 5	0.2	265	20	< 1	10	0.2	59	0.5	
408	201 202	< 5	< 0.2	63	21	< 1	10	0.4	57	0.2	
409	201 202	< 5	< 0.2	37	23	< 1	10	0.2	68	0.2	
410	201 202	< 5	< 0.2	21	27	< 1	6	0.4	61	0.2	
411	201 202	< 5	< 0.2	154	13	< 1	11	0.4	55	0.3	
412	201 202	< 5	< 0.2	317	10	< 1	9	0.6	67	0.2	
413	201 202	< 5	< 0.2	114	19	< 1	15	0.4	65	0.4	
414	201 202	< 5	< 0.2	198	20	< 1	11	0.6	69	0.9	
415	201 202	10	< 0.2	80	23	< 1	12	0.6	70	0.7	
416	201 202	< 5	< 0.2	61	17	< 1	9	0.4	57	0.3	
417	201 202	< 5	0.2	62	28	< 1	13	1.0	70	0.3	
418	201 202	< 5	< 0.2	124	20	< 1	11	0.6	66	0.3	
419	201 202	< 5	< 0.2	107	16	< 1	8	0.2	69	0.6	
420	201 202	< 5	< 0.2	119	10	< 1	10	0.6	21	0.5	
421	201 202	< 5	< 0.2	87	24	< 1	8	0.6	63	0.6	
422	201 202	10	< 0.2	147	25	< 1	8	0.2	53	0.4	
423	201 202	< 5	< 0.2	87	23	< 1	12	0.2	62	0.1	
424	201 202	< 5	< 0.2	465	17	< 1	7	0.2	48	1.4	
425	201 202	< 5	< 0.2	197	18	< 1	12	0.4	57	0.4	
669	201 202	< 5	< 0.2	88	26	< 1	10	0.2	56	0.2	

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :1
Total Pages :1
Certificate Date: 20-OCT-1999
Invoice No. : I9930570
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930570

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm Aqua R	As ppm	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Bi ppm
426	201 202	< 5	0.2	104	13	< 1	9	0.4	30	0.2
427	201 202	10	0.4	166	20	< 1	9	0.6	49	0.6
428	201 202	< 5	0.2	150	16	< 1	13	0.8	62	1.2
429	201 202	< 5	< 0.2	143	17	< 1	10	0.8	73	0.4
430	201 202	5	< 0.2	232	18	< 1	10	0.4	73	0.8
431	201 202	< 5	< 0.2	103	20	< 1	10	0.4	59	0.8
432	201 202	< 5	< 0.2	37	20	< 1	9	0.4	54	0.2
433	201 202	< 5	< 0.2	54	32	< 1	7	0.4	70	0.1
434	201 202	< 5	< 0.2	10	18	2	9	0.6	40	0.2
435	201 202	< 5	< 0.2	57	16	< 1	10	0.6	43	0.1
436	201 202	< 5	0.6	92	12	< 1	6	0.4	31	0.2
437	201 202	< 5	< 0.2	61	9	< 1	9	0.2	27	< 0.1
438	201 202	< 5	< 0.2	109	14	< 1	12	0.6	54	0.5
439	201 202	< 5	< 0.2	174	18	< 1	12	1.0	77	0.5
440	201 202	< 5	< 0.2	107	16	< 1	10	0.8	57	0.5
440 A	214 238	140	0.2	709	98	13	14	54	99	0.5
441	201 202	< 5	< 0.2	188	21	1	11	0.4	53	0.2
442	201 202	< 5	< 0.2	363	20	1	11	0.4	64	0.1
443	201 202	5	< 0.2	154	21	< 1	10	0.4	60	0.2
444	201 202	< 5	< 0.2	245	15	1	9	0.4	63	1.2
445	201 202	< 5	< 0.2	196	17	1	13	0.6	63	0.5
446	201 202	< 5	0.2	84	18	2	10	0.4	52	0.5
447	201 202	5	< 0.2	88	35	4	26	0.6	80	0.3
448	201 202	< 5	< 0.2	518	26	1	13	0.4	72	0.3
449	201 202	< 5	< 0.2	15	23	< 1	9	0.4	48	0.1
450	201 202	< 5	0.2	90	22	1	11	0.2	57	0.7
451	201 202	< 5	< 0.2	72	12	< 1	7	0.2	33	0.2
452	201 202	< 5	< 0.2	105	13	< 1	7	0.2	35	0.3
453	201 202	< 5	< 0.2	185	23	< 1	13	0.4	76	0.9
454	201 202	10	< 0.2	140	20	1	11	0.4	60	0.6
455	201 202	< 5	< 0.2	180	15	1	11	0.4	56	0.5
456	201 202	< 5	< 0.2	34	18	1	9	0.4	56	0.1
457	201 202	5	< 0.2	63	25	< 1	9	0.6	60	0.2
458	201 202	5	1.0	477	20	1	17	0.6	61	0.6
459	201 202	< 5	0.4	162	15	1	9	0.4	41	0.2
460	201 202	5	1.4	544	18	< 1	120	1.6	67	4.1
461	201 202	5	0.2	288	18	1	13	0.6	56	0.5
462	201 202	< 5	< 0.2	80	25	1	9	0.4	99	0.1

CERTIFICATION:

Appendix 5

Regional Rock Sample Analyses

Northern
Analytical
Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

05/07/99 Certificate of Analysis

Barramundi Gold WO# 05673

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	403951	1.2	
r	403952	<1.0	
r	403953	248.5	247.9
r	403954	2.2	
r	403955	5.4	
r	403956	<1.0	
r	403957	<1.0	
r	403958	26.4	27.1
r	403959	9.2	
r	403960	1.8	
r	403961	1.4	
r	403962	1.7	
p	403963	10.0	10.0
r	403964	11.4	
r	403965	3.6	
r	403966	3.7	
r	403967	150.7	
r	403968	123.2	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

05/07/99 Certificate of Analysis

Barramundi Gold WO# 05673

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	403951	274.9	25.246	<0.03	<0.001	<0.05
r	403952	271.6	29.303	<0.03	<0.001	<0.05
r	403953	277.9	27.250	0.51	0.033	0.58
r	403954	274.5	14.410	<0.03	<0.001	<0.05
r	403955	278.3	26.541	0.17	0.001	0.16
r	403956	282.9	27.413	<0.03	<0.001	<0.05
r	403957	260.7	23.063	0.03	<0.001	<0.05
r	403958	270.6	27.717	0.10	<0.001	0.09
r	403959	270.6	27.692	0.21	0.002	0.19
r	403960	278.2	27.144	0.10	0.001	0.10
	Au assay std 2					1.85
r	403961	280.5	25.554	0.03	<0.001	<0.05
r	403962	276.6	27.513	0.10	0.001	0.10
p	403963					1.34
r	403964	270.7	28.368	9.43	19.598	80.85
r	403965	272.3	27.579	1.27	0.054	1.34
r	403966	267.7	26.734	0.17	0.001	0.16
r	403967	278.1	25.742	4.13	4.595	20.27
r	403968	277.7	16.373	1.17	0.097	1.45
	Au assay std 2					1.95

Replicate assays (averaged for metallics calculations above):

403957	0.03
403957	0.03
403959	0.21
403959	0.21
403962	0.10
403962	0.14
403967	4.18
403967	4.08

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99G0547

2036 Columbia
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#05673

18 Samples
18=Pulp

[054709:43:42:99070699]

Out: Jul 06, 1999
In : Jul 02, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0403951 P	0.3	7	31	66	57	5	<	<	<	<	2.1	1	3	11	<	137	2	33	<	1	<	<	<	0.02	0.01	0.26	0.01	0.01	0.01	<
0403952 P	0.5	12	40	48	48	<	<	<	<	<	1.6	2	4	9	<	151	2	31	<	2	1	<	<	0.10	0.03	0.30	0.01	0.03	0.03	<
0403953 P	0.3m	433	6353	169	263	386	<	5	<	18	13.4	1	4	8	<	266	4	80	<	2	<	<	<	0.02	0.02	0.58	<	0.01	0.01	<
0403954 P	1.8	12	122	30	19	5	<	17	<	<	1.6	2	5	25	<	108	8	70	5	2	6	1	0.01	0.19	0.03	0.59	0.01	0.12	0.04	<
0403955 P	5.0	22	190	386	304	13	<	10	<	<	10.0	1	5	44	<	230	3	78	<	1	1	<	<	0.07	0.01	0.46	<	0.06	0.01	<
0403956 P	0.4	7	18	17	52	5	<	1	<	<	1.3	1	5	75	5	267	3	447	<	2	1	<	<	0.04	0.02	0.57	<	0.03	0.01	<
0403957 P	0.4	6	21	21	38	5	<	1	<	<	1.3	2	6	45	<	269	4	67	4	1	<	<	<	0.08	0.01	0.57	0.01	0.06	0.01	0.01
0403958 P	28.0	71	1625	868	1187	57	<	16	<	<	18.4	1	6	14	<	223	2	148	<	7	1	<	<	0.03	0.13	0.79	0.03	0.02	0.02	<
0403959 P	8.9	17	197	117	123	10	<	1	<	209	7.9	2	5	37	<	228	2	68	<	1	<	<	<	0.03	0.01	0.78	<	0.01	0.02	<
0403960 P	1.8	20	69	22	45	49	<	1	<	<	1.3	1	5	16	<	233	5	56	<	1	1	<	<	0.05	0.01	0.56	0.01	0.03	0.02	<
0403961 P	1.4	9	15	13	229	5	<	3	<	<	1.3	2	4	14	<	179	2	118	<	1	<	<	<	0.03	0.01	0.69	<	0.02	0.01	<
0403962 P	1.5	8	25	15	60	<	<	1	<	4	1.0	1	5	21	<	210	2	115	<	1	<	<	<	0.02	0.01	0.40	<	0.02	0.01	<
0403963 P	9.6	32	18	51	102	<	<	1	<	<	4.3	22	38	267	<	59	66	1530	12	19	9	6	0.01	2.04	1.08	3.51	0.18	0.15	0.03	0.02
0403964 P	47.5	7	2957	86	1706	303	<	1	<	<	6.6	2	4	9	22	275	43	121	<	4	1	<	<	0.04	0.04	1.08	<	0.01	0.01	<
0403965 P	3.6	6	793	84	330	76	<	<	<	<	2.1	2	3	34	6	161	39	109	4	2	1	<	<	0.10	0.04	0.56	0.02	0.04	0.01	0.01
0403966 P	3.8	7	1333	25	835	18	<	1	<	<	1.4	1	6	32	<	197	4	54	<	1	<	<	<	0.03	0.01	0.52	<	0.01	0.01	<
0403967 P	0.2m	39	2.2%	177	3346	401	<	<	<	51	18.9	1	3	45	<	207	4	55	<	17	<	<	<	0.04	0.01	0.76	<	0.02	0.01	<
0403968 P	0.1m	6	17435	8477	1249	74	<	<	<	39	0.2m	1	3	59	12	232	5	50	<	5	<	<	<	0.02	0.01	0.63	<	0.01	0.01	<
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05666

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt	
r	403736	264.9	28.888	0.34	0.004	0.32	
	Au assay std 2					2.06	
r	403737	270.0	24.053	0.89	0.007	0.84	
r	403738	265.7	20.699	2.74	3.860	17.06	
	rep 403738	262.0	28.356	2.76	1.222	7.13	
r	403739	249.7	26.652	4.46	0.625	6.48	
r	403740	269.2	28.638	50.30	32.862	167.00	
	rep 403740	260.2	22.126	132.62	49.998	313.52	
r	403741	253.5	28.509	1.47	0.239	2.25	
r	403742	261.2	20.100	3.29	3.421	16.14	
	rep 403742	266.9	26.646	1.58	1.239	6.06	
r	403743	276.9	29.267	2.45	0.103	2.56	
r	403744	274.6	28.869	3.94	2.870	13.98	
	rep 403744	264.6	26.638	2.98	0.421	4.27	
r	403745	285.6	28.857	0.69	0.051	0.80	
	rep 403745	265.7	27.739	0.38	0.836	3.48	
r	403746	273.6	27.726	1.27	0.067	1.38	
	Au assay std 2					2.09	
r	403747	254.8	27.586	0.36	0.098	0.71	
r	403748	111.0	29.142	0.55	0.004	0.44	
r	✓ 403749	283.6	29.195	1.41	0.124	1.70	Regional Rock Sample
p	403750					4.66	
	Au assay std 2					2.13	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05666

Certified by

	Sample #	Ag g/mt	rep Ag g/mt	
r	403743	39.9		
r	403744	134.9	142.0	
r	403745	16.1		
r	403746	15.2		
r	403747	42.6		
r	403748	4.7		
r	403749	869.0	861.0	Regional Rock sample
p	403750	19.8		
	CR std	68.8		

INTERNATIONAL PLASMA LABORATORY LTD.

2950 Columbia
Vancouver B C
Canada V5T 3F1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99F0506

Client : Northern Analytical Laboratories
Project: None Given

94 Samples
94=Pulp

[050614:56:52:99062399]

Out: Jun 23, 1999
In : Jun 21, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0403735 P	0.3	5	448	102	108	36	<	<	<	<	1.2	1	5	7	<	210	56	60	<	1	<	<	<	0.04	0.01	0.35	0.01	0.01	0.01	<
0403736 P	2.2	7	869	47	483	61	<	<	<	<	2.3	1	3	6	<	206	20	55	<	1	<	<	<	0.03	0.01	0.42	<	0.01	0.01	<
0403737 P	2.0	15	817	794	2249	127	<	<	<	<	27.7	10	5	253	<	152	84	1285	39	15	2	6	<	0.45	0.14	3.60	0.03	0.24	0.01	0.04
0403738 P	81.9	74	12000	3431	1218	540	<	<	<	<	48.0	1	4	18	<	266	178	119	3	10	1	1	<	0.13	0.05	0.88	0.02	0.05	0.01	0.01
0403739 P	0.2m	585	4675	2161	1983	432	<	1	<	<	56.7	2	5	83	10	266	221	101	7	5	<	1	<	0.16	0.08	1.32	0.01	0.10	0.01	0.02
0403740 P	0.1m	1081	13818	1898	5504	696	<	<	<	<	83.8	3	4	94	17	204	137	567	8	13	<	1	<	0.16	0.14	1.68	0.01	0.12	0.01	0.02
0403741 P	17.2	51	1205	550	7748	89	<	<	<	<	24.6	3	3	121	31	131	27	125	23	44	1	3	<	0.24	0.34	3.29	0.01	0.19	0.01	0.07
0403742 P	37.0	81	2694	1290	1641	47	<	<	<	<	20.9	1	5	28	14	191	67	472	<	5	<	<	<	0.04	0.04	0.95	0.01	0.02	0.01	<
0403743 P	37.5	83	2352	878	2976	69	<	<	<	<	20.1	2	3	38	15	192	42	342	4	8	<	1	<	0.07	0.10	1.35	0.01	0.05	0.01	0.01
0403744 P	0.2m	208	11360	835	2447	223	<	7	<	<	33.1	1	3	22	76	235	71	146	<	4	<	<	<	0.05	0.04	0.65	0.01	0.04	0.01	0.01
0403745 P	16.8	16	2421	188	421	107	<	1	<	<	5.0	1	4	12	<	252	64	67	<	1	<	<	<	0.04	0.01	0.45	<	0.02	0.01	<
0403746 P	14.3	16	2948	179	654	532	<	<	<	<	10.9	1	6	6	<	253	56	44	<	1	<	<	<	0.03	0.01	0.43	<	0.01	0.01	<
0403747 P	40.5	20	4315	139	550	530	<	1	<	<	7.5	2	5	14	<	252	21	145	<	2	<	1	<	0.03	0.02	0.45	<	0.02	0.01	0.01
0403748 P	4.5	17	414	95	2739	25	<	<	<	<	7.2	3	8	304	<	272	8	149	16	24	1	2	<	0.25	0.11	1.65	0.01	0.19	0.01	0.03
0403749 P	0.1m	1962	14914	2769	514	0.2%	<	<	<	4	56.3	2	6	27	<	390	3	181	<	17	<	<	<	0.06	0.26	0.68	0.04	0.04	0.01	<
Regional Rock Sample																														
0403750 P	21.0	130	1003	670	434	30	<	<	<	<	4.8	5	14	10	<	14	5	128	2	11	4	1	<	0.37	0.27	3.77	0.05	0.06	0.19	0.07
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05672

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt	
	rep 403881	248.4	27.558	17.11	7.233	44.32	
r	403882	264.7	27.710	0.48	0.004	0.45	
r	403883	265.0	25.893	0.34	0.068	0.57	
p	403884					1.41	
r	403885	255.2	23.614	<0.03	<0.001	<0.05	
r	403886	269.8	25.792	0.21	0.001	0.19	
r	403887	268.8	29.341	1.10	0.098	1.34	
r	403888	272.0	26.475	0.41	0.004	0.39	
r	403889	242.1	15.229	1.03	0.003	0.98	
r	403890	270.5	23.664	0.48	0.002	0.45	
	Au assay std 2					2.13	
r	403891	259.5	16.252	0.07	<0.001	0.06	
r	403892	242.9	27.139	1.37	0.004	1.23	
r	403893	250.4	21.110	0.17	<0.001	0.16	
r	403894	262.0	27.784	3.43	0.860	6.35	
r	403895	261.4	23.388	0.69	0.003	0.64	
r	403896	263.7	29.465	12.51	0.988	14.86	
r	403897	246.0	28.774	0.10	<0.001	0.09	
p	403898					4.77	
r	✓403899	279.4	28.918	0.55	0.010	0.53	Regional Rock samples
r	✓403900	261.0	23.333	<0.03	<0.001	<0.05	
	Au assay std 2					2.02	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05672

Certified by

	Sample #	Ag g/mt	rep Ag g/mt	
r	403889	<1.0		Regional Rock samples
r	403890	<1.0		
	CR std	70.3		
r	403891	<1.0		
r	403892	<1.0		
r	403893	<1.0		
r	403894	6.1	7.0	
r	403895	1.2		
r	403896	<1.0		
r	403897	<1.0		
p	403898	19.9		
r	403899	<1.0	<1.0	
r	403900	<1.0		
	CR std	70.1		

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 99F0541

2036 Columbia
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: W.O. 05672

70 Samples
70=Pulp

[054109:44:32:99070699]

Out: Jul 06, 1999
In : Jun 29, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0403870	P 1.1	12	213	398	2443	6	<	2	<	<	6.9	6	3	255	<	88	85	747	42	13	2	4	< 0.37	0.31	3.47	0.05	0.22	0.01	0.08
0403871	P 1.5	10	712	237	884	11	<	1	<	<	6.3	1	3	45	7	187	9	205	<	2	<	<	< 0.03	0.02	0.59	<	0.02	0.01	<
0403872	P 0.2	8	199	151	613	<	<	2	<	<	4.1	9	6	288	<	42	64	734	38	18	2	6	0.05	0.89	0.38	3.26	0.32	0.37	0.04	0.09
0403873	P 1.9	16	337	424	7039	<	<	1	<	<	22.5	5	5	643	<	85	50	701	45	26	1	4	< 0.36	0.45	3.76	0.03	0.24	0.01	0.08
0403874	P 10.5	26	5574	2323	2489	47	<	2	<	<	63.2	2	5	153	6	179	20	299	4	5	<	1	< 0.07	0.04	1.01	0.01	0.05	0.01	<
0403875	P 0.4	10	667	449	994	<	<	1	<	<	5.4	9	2	325	<	65	64	1514	43	15	1	5	< 0.50	0.30	3.37	0.07	0.26	0.02	0.09
0403876	P 0.7	10	167	422	1806	7	<	2	<	<	5.4	7	5	293	7	67	61	853	46	16	2	5	< 0.37	0.33	3.50	0.04	0.21	0.02	0.09
0403877	P 22.5	42	6009	1058	3942	315	<	1	<	<	40.4	1	4	90	<	163	9	167	<	7	<	<	< 0.04	0.05	0.95	<	0.03	0.01	<
0403878	P 1.4	17	353	733	4612	46	<	3	<	<	32.8	6	2	390	<	103	69	633	28	23	2	5	< 0.23	0.30	3.73	0.02	0.17	0.01	0.06
0403879	P 0.6	15	739	547	1476	8	<	2	<	<	7.2	10	5	328	<	93	103	1560	45	16	2	6	< 0.44	0.34	3.45	0.05	0.20	0.02	0.09
0403880	P 16.8	14	6441	141	1829	11	<	3	<	<	5.2	2	4	65	<	221	119	233	4	3	<	1	< 0.05	0.03	0.90	<	0.04	0.01	0.01
0403881	P 22.0	15	5163	271	1516	8	<	1	<	<	5.8	2	4	76	<	195	136	402	7	3	<	1	< 0.05	0.04	1.10	0.01	0.04	0.01	0.01
0403882	P 1.7	13	316	179	1799	5	<	4	<	<	4.8	8	8	228	7	75	65	895	44	14	2	5	< 0.33	0.30	3.42	0.03	0.23	0.01	0.09
0403883	P 3.4	8	1247	209	868	8	<	<	<	<	6.4	1	2	40	<	205	18	162	2	2	<	<	< 0.03	0.02	0.59	<	0.02	0.01	<
0403884	P 10.0	34	44	66	135	<	<	1	<	<	4.8	23	42	288	<	68	72	1623	13	20	7	7	0.01	2.63	1.16	3.73	0.21	0.18	0.02	0.03
0403885	P 0.1	4	43	46	51	<	<	2	<	<	2.7	5	5	1678	5	37	21	700	20	50	3	3	< 0.47	6.25	2.32	0.13	0.17	0.01	0.03
0403886	P 1.4	28	83	523	954	<	<	40	<	<	8.9	11	5	368	<	66	16	821	37	21	1	5	< 0.55	0.64	2.79	0.07	0.24	0.02	0.08
0403887	P 1.2	7	859	567	1412	<	<	2	<	<	21.9	1	2	130	<	151	2	813	3	119	<	<	< 0.05	2.90	0.48	0.04	0.03	0.01	<
0403888	P 0.6	25	62	219	3849	8	<	2	<	<	7.0	8	7	306	<	74	11	938	22	62	2	3	< 0.33	2.69	2.79	0.08	0.20	0.02	0.08
0403889	P 0.8	13	75	165	6120	5	<	4	<	<	5.8	9	5	506	<	81	13	1718	37	45	2	6	< 0.32	2.08	3.45	0.05	0.20	0.01	0.09
0403890	P 0.3	19	36	100	3331	5	<	3	<	<	4.6	9	5	492	5	71	22	1036	32	40	2	5	0.01	0.52	1.89	3.42	0.13	0.26	0.02	0.08
0403891	P 0.1	5	207	40	851	<	<	1	<	<	1.7	1	3	61	<	182	<	203	2	7	<	<	< 0.05	0.22	0.52	0.01	0.03	0.01	<
0403892	P 0.8	18	94	191	1.8%	12	<	<	<	<	7.8	7	9	436	<	86	8	858	21	118	2	3	< 0.29	1.42	3.20	0.03	0.22	0.01	0.07
0403893	P 0.5	15	19	72	643	<	<	1	<	<	4.2	8	7	450	<	78	28	843	30	39	2	6	0.02	0.69	2.36	3.15	0.17	0.32	0.03	0.08
0403894	P 5.3	13	5082	150	1912	297	<	2	<	<	7.8	2	5	111	<	214	2	203	<	15	<	<	< 0.04	0.33	0.63	0.02	0.03	0.01	<
0403895	P 1.3	14	101	165	1273	8	<	9	<	<	5.6	8	2	284	<	87	13	853	30	33	2	6	< 0.35	3.98	3.37	0.06	0.21	0.01	0.09
0403896	P 1.0	8	1029	338	3321	6	<	1	<	<	11.4	1	2	210	<	156	2	135	2	31	<	1	< 0.04	0.62	0.80	0.03	0.03	0.01	<
0403897	P 0.1	22	54	153	169	<	<	5	<	<	4.0	8	6	239	6	69	21	916	38	16	1	6	< 0.55	0.54	3.01	0.08	0.22	0.02	0.08
0403898	P 19.7	112	891	632	421	12	<	<	<	<	4.3	4	14	14	<	10	5	129	2	11	4	1	< 0.34	0.27	3.67	0.04	0.06	0.21	0.06
0403899	P 0.5	6	34	50	4595	39	<	<	<	<	2.8	4	7	64	<	84	7	461	21	37	1	2	< 0.43	0.60	2.57	0.09	0.35	0.02	0.06
0403900	P <	8	21	48	83	<	<	<	<	<	2.4	5	2	71	<	68	10	782	27	99	2	4	< 0.35	2.71	2.16	0.58	0.24	0.04	0.05
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

Regional Rock samples

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample P=Pulp

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 00004

Certified by

	Sample #	Au 30g ppb	rep Au 30g ppb	
s	402894	7		
	Au geo std	477		
s	402895	<5	5	
s	402896	6		
s	402897	7		
s	402898	<5		
s	402899	13		
s	402900	<5	12	
r	403927	8		regional rock sample
p	403928	4828		
r	403974	27	30	regional rock sample
	Au geo std	476		
s	404801	<5		
s	404802	14		
s	404803	7		
s	404804	<5		
s	404805	<5		
s	404806	<5		
s	404807	14	12	
s	404808	6		
s	404809	7		
s	404810	24		
s	404811	9		
p	404812	1404		
s	404813	<5		
s	404814	<5		
s	404815	<5		
s	404816	<5		
s	404817	5	<5	
s	404818	8		

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0916

2036 Columbia Street
Vancouver, B
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

1009 Samples
1009=Pulp

[091616:07:53:99093099]

Out: Sep 30, 1999
In : Sep 22, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
201722	P	<	21	11	57	<	<	<	3	<	<	<	13	20	231	<	31	102	314	16	28	7	4	0.19	2.51	0.51	3.39	0.69	0.06	0.05	0.03
201723	P	<	27	11	52	<	<	<	2	<	<	<	13	18	167	<	32	114	267	5	23	8	5	0.23	2.96	0.41	3.80	0.73	0.08	0.04	0.02
201724	P	<	26	14	62	<	<	<	1	<	<	<	16	20	211	<	29	115	285	13	30	9	6	0.19	2.64	0.64	4.33	0.88	0.12	0.05	0.07
201725	P	<	29	14	55	<	<	<	1	<	<	<	13	27	223	<	39	102	243	12	38	9	7	0.17	2.58	0.74	3.27	0.80	0.05	0.05	0.04
201726	P	<	33	12	63	<	<	<	2	<	<	<	16	29	253	<	32	103	393	14	34	8	7	0.20	3.02	0.59	3.84	0.94	0.10	0.05	0.05
201727	P	<	19	9	45	<	<	<	3	<	<	<	12	17	183	<	20	87	297	7	21	4	3	0.16	2.16	0.32	3.06	0.57	0.07	0.04	0.04
201728	P	<	24	17	78	<	<	<	2	<	<	<	19	18	210	<	28	134	459	13	20	7	5	0.25	3.75	0.37	5.18	1.04	0.34	0.04	0.09
201729	P	<	33	15	57	10	<	<	1	<	<	<	22	36	188	<	37	120	335	7	21	12	6	0.17	4.05	0.30	4.35	0.86	0.07	0.04	0.03
201730	P	<	33	19	75	61	<	<	2	<	<	<	22	35	196	<	37	124	384	30	21	11	5	0.23	4.25	0.35	4.58	1.00	0.14	0.04	0.05
201731	P	<	22	8	51	14	<	<	2	<	<	<	12	23	257	<	29	92	397	16	28	8	6	0.17	2.07	0.51	3.26	0.86	0.11	0.05	0.03
201732	P	<	18	12	66	<	<	<	1	<	<	<	14	19	333	<	28	119	413	16	30	6	6	0.22	2.79	0.58	3.91	0.95	0.12	0.04	0.03
201733	P	<	17	12	46	<	<	<	2	<	<	<	12	14	234	5	23	94	455	10	29	7	4	0.18	2.27	0.45	3.05	0.51	0.07	0.05	0.02
201734	P	<	31	12	47	<	<	<	2	<	<	<	14	15	458	<	23	91	537	27	39	4	6	0.15	2.41	0.66	3.02	0.60	0.07	0.06	0.04
201735	P	<	18	11	55	49	<	<	2	<	<	<	13	22	232	<	28	107	351	8	31	5	4	0.18	2.39	0.54	3.42	0.79	0.12	0.05	0.03
201736	P	<	28	11	66	32	<	<	2	<	<	<	15	21	368	<	24	110	527	20	39	3	5	0.21	2.67	0.83	3.57	0.91	0.16	0.05	0.04
201737	P	<	18	11	46	71	<	<	2	<	<	<	10	14	182	<	20	89	286	6	23	3	3	0.14	1.84	0.37	2.88	0.56	0.13	0.04	0.02
201738	P	<	21	12	80	6	<	<	3	<	<	<	16	20	303	<	28	102	1076	9	28	4	4	0.15	2.19	0.48	3.48	0.54	0.13	0.05	0.04
201739	P	<	19	17	71	16	<	<	2	<	<	<	16	24	258	<	34	117	524	15	33	5	3	0.17	3.17	0.49	4.17	0.75	0.07	0.04	0.02
201740	P	<	18	9	50	21	<	<	2	<	<	<	12	18	220	5	28	87	267	7	28	6	4	0.14	2.34	0.53	3.09	0.67	0.06	0.04	0.06
201741	P	<	15	7	47	29	<	<	1	<	<	2.0	11	14	166	<	24	91	227	9	28	6	4	0.16	2.27	0.54	2.99	0.66	0.05	0.04	0.05
201742	P	<	17	13	40	81	<	<	2	<	<	<	9	15	147	<	22	81	180	9	27	4	3	0.13	2.00	0.43	2.61	0.49	0.05	0.04	0.02
201743	P	<	22	9	47	48	<	<	2	<	<	<	11	20	221	<	29	83	293	13	37	8	5	0.16	2.16	0.65	2.87	0.68	0.04	0.06	0.05
201744	P	<	20	14	54	63	<	<	1	<	<	<	11	20	219	<	30	81	261	9	40	5	5	0.16	2.37	0.70	2.98	0.68	0.07	0.05	0.05
201745	P	<	25	12	56	16	<	<	2	<	<	<	12	17	225	.	28	89	297	11	46	5	6	0.16	2.48	0.83	3.21	0.70	0.06	0.06	0.07
0402806	P	<	12	11	70	<	<	<	1	<	<	<	13	9	291	<	12	88	748	17	29	3	7	0.17	2.13	0.67	3.45	0.82	0.39	0.05	0.09
403927	P	11.1	25	995	331	70	26	<	1	<	<	<	7	6	163	<	65	34	750	19	30	10	5	0.03	0.94	1.29	2.40	0.39	0.22	0.07	0.04
403928 STANDARD	P	19.3	113	875	630	358	12	<	1	<	<	<	4	13	13	<	8	4	121	2	10	4	1	<	0.33	0.26	3.64	0.04	0.04	0.22	0.06
403974 ROCK	P	2.9	9	91	61	99	6	<	2	<	79	<	1	3	74	<	133	2	129	2	2	<	<	<	0.05	0.02	0.42	0.01	0.02	0.02	<
0402881	P	<	13	15	61	<	<	<	1	<	<	<	11	18	202	<	20	68	465	14	38	4	5	0.13	1.76	0.76	2.67	0.68	0.05	0.06	0.07
0402882	P	<	14	12	54	<	<	<	2	<	<	<	12	16	180	<	24	73	543	14	38	3	5	0.15	1.84	0.80	2.78	0.69	0.05	0.05	0.07
0402883	P	<	17	13	55	<	<	<	1	<	<	<	14	15	189	<	23	81	693	13	39	5	5	0.15	2.06	0.71	2.94	0.58	0.06	0.05	0.06
0402884	P	<	13	12	57	<	<	<	2	<	<	<	12	14	162	<	22	72	363	13	37	4	5	0.16	2.02	0.82	2.67	0.70	0.06	0.06	0.06
0402885	P	<	24	9	59	7	<	<	1	<	<	<	12	23	169	<	27	74	374	10	49	5	5	0.14	1.91	0.90	2.70	0.67	0.08	0.07	0.07
0402886	P	<	14	14	60	38	<	<	1	<	<	<	11	10	168	<	17	68	579	11	31	2	4	0.13	1.78	0.55	2.73	0.68	0.21	0.05	0.07
0402887	P	<	9	8	59	55	<	<	1	<	<	<	10	10	202	<	10	65	645	14	21	2	4	0.13	1.65	0.43	2.93	0.62	0.39	0.04	0.08
0402888	P	<	16	11	60	<	<	<	2	<	<	<	12	18	168	<	23	75	462	15	41	4	5	0.14	1.90	0.85	2.86	0.69	0.06	0.06	0.07
0402889	P	<	16	7	57	6	<	<	2	<	<	<	10	17	161	<	23	85	324	16	36	5	4	0.14	1.58	0.80	3.03	0.64	0.07	0.06	0.08
0402890	P	<	12	9	63	<	<	<	1	<	<	<	11	14	158	<	19	75	688	12	35	4	5	0.14	1.83	0.64	2.82	0.66	0.06	0.05	0.06
0402891	P	<	11	6	53	15	<	<	1	<	<	<	9	16	167	<	21	70	386	15	35	4	4	0.11	1.41	0.73	2.51	0.60	0.07	0.05	0.07
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696m

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt	
r	403926	219.2	13.565	0.07	0.001	0.07	
r	403969	246.9	16.379	0.10	<0.001	0.10	
r	403970	281.7	11.090	<0.03	<0.001	<0.03	Regional Rock samples
r	403971	280.1	20.389	<0.03	<0.001	<0.03	
r	403972	244.5	16.772	0.03	<0.001	0.03	
r	403973	239.2	19.006	0.03	0.001	0.04	
	Au assay std 2					2.13	

Replicate assays (averaged above for metallics calculations):

403901	27.46
403901	24.21
403906	0.51
403906	0.55
403908	6.03
403908	5.21
403912	84.21
403912	86.68
403919	36.14
403919	36.69
rep 403919	18.03
rep 403919	18.86
403923	0.58
403923	0.51
403970	<0.03
403970	0.03

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)
s	404102	12	6	
s	404104	12		
s	404106	7		
s	404109	7		
s	404111	<5		
s	404114	<5		
s	404115	11		
s	404117	13		
s	404119	<5		
s	404121	149		
s	404123	5	<5	
s	404124	5		
s	404126	7		
s	404129	10		
s	404130	10		
s	404132	20		
s	404134	9		
s	404136	<5		
s	404138	5		
s	404140	7		
	Au geo std	497		
s	404141	32		
s	404143	6	6	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)	
s	404145	10			
s	404147	<5			
s	404149	8			
s	404150	5			
s	404151	630		11	10
s	404153	11			
s	404155	<5			
s	404157	5			
s	404159	7			
s	404161	10	12		
s	404163	8			
s	404165	5			
s	404167	<5			
s	404169	8			
s	404171	9			
s	404173	26			
s	404175	24			
s	404176	7			
	Au geo std	472			
s	404178	48			
s	404179	<5			
s	404181	12	21		
s	404183	7			
s	404184	11			
s	404186	7			
s	404188	7			
s	404190	<5			
s	404192	8			
s	404193	<5			
s	404196	32			

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)
s	404198	32		
s	404200	24	25	
s	404204	6		
s	404205	7		
s	404208	5		
s	404210	6		
s	404212	6		
s	404214	7		
s	404216	<5		
	Au geo std	472		
s	404217	<5		
s	404219	5		
s	404221	<5		
s	404223	5	16	
s	404224	5		
s	404226	5		
s	404228	<5		
s	404229	9		
s	404231	5		
s	404233	15		
s	404235	<5		
s	404237	<5		
s	404239	5		
s	404241	<5	7	
s	404243	<5		
s	404244	10		
s	404245	5		
s	404247	6		
s	404249	<5		
s	404251	<5		

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)
	Au geo std	427		
s	404253	<5		
s	404255	12		
s	404256	9		
s	404258	8		
s	404260	6	<5	
s	404262	<5		
s	404264	6		
s	404266	6		
s	404268	<5		
s	404270	6		
s	404271	14		
s	404272	8		
s	404274	<5		
s	404276	<5		
s	404277	21	12	
s	404278	10		
s	404279	8		
s	404281	<5		
s	404282	8		
s	404283	11		
	Au geo std	476		
s	404284	30		
s	404285	<5		
s	404286	6		
s	404288	11		
s	404289	15		
s	404290	<5	7	
s	404291	<5		
s	404292	5		

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)
s	404294	13		
s	404296	8		
s	404297	8		
s	404298	6		
s	404300	7		
s	404302	5		
s	404304	5		
s	404306	7	7	
s	404308	5		
s	404310	6		
s	404312	23		
s	404314	28		
	Au geo std	470		
s	404316	10		
s	404318	10		
s	404319	19		
s	404320	7		
s	404321	11		
s	404322	7		
s	404323	21	14	
s	404325	9		
s	404327	7		
s	404329	8		
s	404331	5		
s	404333	5		
s	404335	12		
s	404337	9		
s	404339	6		
s	404341	<5		
s	404343	6	6	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)
s	404345	5		
s	404347	9		
s	404349	8		
	Au geo std	472		
s	404351	<5		
s	404353	13		
s	404355	68		
s	404357	13		
s	404359	10		
s	404361	7		
s	404363	5		
s	404365	17	31	
s	404367	6		
s	404369	9		
s	404371	43		
s	404373	7		
s	404375	6		
s	404377	7		
s	404379	5		
s	404381	9		
s	404383	8		
s	404385	8	8	
s	404387	<5		
s	404389	6		
	Au geo std	467		
s	404391	5		
s	404392	114		
s	404394	8		
s	404396	16		
s	404398	8		

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)
s	404400	6		
s	404402	<5		
s	404404	<5		
s	404406	5	<5	
s	404408	<5		
s	404411	<5		
s	404413	10		
s	404414	6		
s	404416	7		
s	404418	7		
s	404419	6		
s	404421	7		
s	404423	5		
s	404425	5	5	
s	404427	8		
	Au geo std	476		
s	404429	<5		
s	404430	<5		
s	404432	5		
s	404434	5		
s	404436	7		
s	404438	8		
s	404440	13		
s	404441	10		
s	404443	14		
s	404445	7	6	
s	404447	7		
s	404449	<5		
s	404451	7		
s	404453	<5		

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)
s	404455	5		
s	404456	8		
s	404458	<5		
s	404459	8		
s	404461	6		
s	404463	8	5	
	Au geo std	447		
s	404465	17	20	
s	404467	17		
s	404469	23		
s	404470	12		
s	404472	<5		
s	404474	9		
s	404476	12		
s	404478	15		
s	404480	7		
s	404481	7		
s	404483	9	<5	
s	404485	8		
s	404486	7		
s	404488	48		
s	404490	<5		
s	404492	7		
s	404494	<5		
s	404496	18		
s	404497	11		
s	404499	<5		
	Au geo std	476		
s	404501	<5		
s	404503	<5	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)	
s	404505	461		1326	
s	404507	64			
s	404509	6			
s	404511	<5			
s	404513	5			
s	404515	5			
s	404516	<5			
s	404517	5			
s	404519	<5			
s	404521	<5	189	6	<5
s	404523	<5			
s	404525	5			
s	404527	6			
s	404529	<5			
s	404531	<5			
s	404533	<5			
s	404535	7			
s	404536	15			
	Au geo std	485			
s	404537	8			
s	404539	6			
s	404541	27	7		
s	404543	5			
s	404545	<5			
s	404546	5			
s	404548	<5			
s	404549	10			
s	404551	8			
s	404552	6			
s	404554	11			

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)
s	404556	6		
s	404558	8	124	
s	404559	8		
s	404561	<5		
s	404562	11		
s	404564	8		
s	404566	13		
s	404568	18		
s	404570	5		
	Au geo std	463		
s	404571	<5		
s	404573	5		
s	404575	8		
s	404578	9	6	
s	404581	6		
s	404583	<5		
s	404585	<5		
s	404586	5		
s	404588	9		
s	404590	7		
s	404591	7		
s	404592	6		
s	404593	5		
s	404595	17	41	
s	404597	<5		
s	404599	8		
s	404601	8		
s	404603	16		
s	404605	5		
s	404607	17		

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)
	Au geo std	493		
s	404608	13		
s	404610	13		
s	404612	30		
s	404614	12		
s	404616	8	8	
s	404618	5		
s	404619	16		
s	404620	5		
s	404622	5		
s	404624	5		
s	404626	20		
s	404628	<5		
s	404630	10		
s	404631	<5		
s	404633	<5	<5	
s	404634	11		
s	404635	23		
s	404636	5		
s	404637	7		
s	404639	9		
	Au geo std	471		
s	404641	23		
s	404643	10		
s	404645	6		
s	404647	5		
s	404649	<5		
s	404651	9	<5	
s	404653	8		
s	404655	<5		

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)
s	404657	25		
s	404658	9		
s	404660	5		
s	404662	<5		
s	404664	6		
s	404667	9		
s	404669	<5		
s	404670	8	8	
s	404671	6		
s	404672	171		
s	404673	6		
s	404675	5		
	Au geo std	472		
s	404679	<5		
s	404681	8		
s	404683	5		
s	404685	5		
s	404689	<5		
s	404690	<5		
s	404692	<5	<5	
s	404694	13		
s	404696	5		
s	404698	<5		
s	404700	11		
s	404702	7		
s	404703	6		
s	404704	5		
s	404706	6		
s	404708	<5		
s	404709	<5	<5	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)	
s	404710	7			
s	404712	7			
s	404719	10			
	Au geo std	474			
s	404720	6			
s	404730	7			
s	404734	5			
s	404740	<5			
s	404743	<5			
s	404747	11			
s	404749	<5			
s	404751	<5	7		
s	404752	9			
s	404754	17			
s	404755	5			
s	404757	41			
s	404759	5			
s	404761	<5			
s	404763	<5			
s	404765	8			
s	404766	9			
s	404768	10	7		
s	404772	12			
s	404774	23			
	Au geo std	493			
s	404778	5			
s	404780	46		6	11
s	404784	<5			
s	404786	9		7	
s	404787	30		6	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696

Certified by

	Sample #	Au 30g ppb	rep Au ppb	(additional runs)
s	404788	9		6
s	404789	<5		
s	404791	7		
s	404792	6	7	
s	404794	5		
s	404795	<5		
s	404796	6		
s	404797	<5		
s	404800	1442		
	Au geo std	490		

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 99I0878

2036 Columbia Street
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#05696

440 Samples
440=Pulp

[087812:57:46:99092399]

Out: Sep 22, 1999
In : Sep 15, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404102 P	<	20	26	54	23	<	<	1	<	<	<	12	19	180	<	26	87	413	10	23	3	4	0.14	2.15	0.38	3.15	0.62	0.08	0.03	0.03
0404104 P	<	20	18	49	20	<	<	1	<	<	<	10	21	169	<	26	82	333	8	23	4	4	0.13	2.07	0.34	2.86	0.58	0.07	0.04	0.02
0404106 P	<	27	29	63	31	<	<	<	<	<	<	11	17	286	<	24	86	475	28	42	4	6	0.15	2.36	0.71	3.31	0.78	0.21	0.04	0.05
0404109 P	<	20	18	73	102	<	<	2	<	<	<	13	21	189	<	30	124	494	11	25	4	4	0.17	2.52	0.40	4.31	0.71	0.10	0.03	0.05
0404111 P	<	22	13	63	45	<	<	1	<	<	<	12	21	181	<	25	94	429	12	26	4	4	0.17	2.29	0.45	3.43	0.69	0.11	0.03	0.06
0404114 P	<	22	14	62	45	<	<	1	<	<	<	12	16	270	<	23	83	455	13	25	4	4	0.15	2.32	0.41	3.20	0.72	0.19	0.04	0.04
0404115 P	<	28	12	62	79	<	<	1	<	<	<	12	20	220	<	28	88	427	12	26	4	4	0.13	2.30	0.48	3.38	0.72	0.10	0.03	0.05
0404117 P	<	25	13	52	39	<	<	1	<	<	<	10	20	198	<	27	81	281	11	21	4	4	0.11	2.37	0.30	3.03	0.54	0.07	0.03	0.03
0404119 P	<	20	13	65	35	<	<	2	<	<	<	12	23	171	<	30	116	504	9	21	5	4	0.16	2.65	0.33	4.01	0.73	0.09	0.03	0.03
0404121 P	<	21	17	62	50	<	<	2	<	<	<	13	18	157	<	26	98	562	9	19	3	4	0.16	2.21	0.26	3.57	0.62	0.08	0.03	0.03
0404123 P	<	25	14	59	27	<	<	2	<	<	<	13	25	224	<	31	99	474	16	31	5	5	0.16	2.52	0.51	3.66	0.76	0.08	0.04	0.05
0404124 P	<	20	11	58	26	<	<	1	<	<	<	12	21	181	<	27	87	342	10	26	5	4	0.17	2.38	0.43	3.24	0.70	0.08	0.03	0.05
0404126 P	<	18	15	81	61	<	<	<	<	<	<	14	14	279	<	20	101	606	13	22	2	5	0.19	3.34	0.30	4.38	0.85	0.25	0.03	0.04
0404129 P	<	27	20	64	21	<	<	2	<	<	<	14	14	135	<	26	110	599	10	16	4	4	0.14	3.01	0.22	4.43	0.65	0.21	0.03	0.04
0404130 P	<	20	16	78	189	<	<	1	<	<	<	14	18	198	<	27	99	686	22	28	3	6	0.16	2.32	0.55	4.11	0.75	0.19	0.04	0.08
0404132 P	<	21	16	83	245	<	<	1	<	<	<	19	24	198	<	29	108	726	14	21	7	6	0.20	3.35	0.46	4.94	0.94	0.21	0.03	0.06
0404134 P	<	25	47	79	289	<	<	2	<	<	<	15	22	256	<	28	105	617	16	27	4	5	0.17	2.85	0.48	4.24	0.84	0.15	0.03	0.07
0404136 P	<	24	12	55	36	<	<	1	<	<	<	13	29	172	<	31	95	346	9	23	7	5	0.15	2.90	0.34	3.54	0.68	0.06	0.03	0.03
0404138 P	<	18	15	61	41	<	<	2	<	<	<	11	19	217	<	28	98	461	11	29	4	4	0.13	2.24	0.40	3.43	0.70	0.07	0.03	0.02
0404140 P	<	18	15	58	33	<	<	2	<	<	<	11	19	140	<	25	91	365	8	21	5	4	0.16	2.08	0.29	3.34	0.64	0.11	0.04	0.02
0404141 P	<	21	17	99	383	<	<	2	<	<	<	17	21	244	<	22	120	832	11	23	4	6	0.24	2.93	0.47	4.97	1.10	0.34	0.03	0.08
0404143 P	<	24	14	62	66	<	<	1	<	<	<	13	23	287	<	30	93	521	15	28	3	5	0.14	2.62	0.37	3.48	0.67	0.08	0.04	0.03
0404145 P	<	26	13	67	32	<	<	2	<	<	<	13	26	170	<	31	109	415	11	28	3	4	0.18	2.63	0.46	3.77	0.67	0.09	0.04	0.02
0404147 P	<	26	17	51	26	<	<	2	<	<	<	12	22	183	<	32	107	315	10	23	7	4	0.15	3.20	0.26	3.77	0.48	0.06	0.04	0.03
0404149 P	<	21	19	70	42	<	<	2	<	<	<	15	22	200	<	24	91	465	8	14	9	5	0.16	3.65	0.17	4.07	0.64	0.17	0.03	0.03
0404150 P	<	16	20	64	46	<	<	1	<	<	<	10	13	308	<	16	77	414	26	20	7	4	0.16	2.69	0.21	3.30	0.51	0.26	0.03	0.04
0404151 P	<	23	13	55	101	<	<	2	<	<	<	9	17	175	<	24	85	276	8	20	1	3	0.11	1.98	0.29	2.96	0.47	0.06	0.04	0.03
0404153 P	<	44	11	34	25	<	<	2	<	<	<	7	16	206	<	18	51	164	16	20	1	3	0.07	1.72	0.18	2.02	0.23	0.04	0.04	0.03
0404155 P	<	22	11	44	22	<	<	1	<	<	<	9	17	201	<	23	74	231	11	26	2	4	0.12	2.03	0.37	2.58	0.44	0.06	0.04	0.03
0404157 P	<	28	11	70	27	<	<	2	<	<	<	14	22	230	<	28	98	546	14	28	5	5	0.19	2.44	0.55	3.72	0.81	0.16	0.04	0.07
0404159 P	<	24	12	64	38	<	<	1	<	<	<	13	22	331	<	29	102	639	14	39	3	5	0.15	2.61	0.62	3.70	0.75	0.10	0.04	0.05
0404161 P	<	19	13	46	90	<	<	2	<	<	<	8	11	207	<	18	85	354	6	24	2	3	0.14	1.61	0.34	2.67	0.39	0.11	0.04	0.03
0404163 P	<	19	11	40	24	<	<	1	<	<	<	10	16	188	<	20	71	357	14	25	3	4	0.13	1.82	0.34	2.53	0.41	0.06	0.05	0.03
0404165 P	<	25	13	56	26	<	<	1	<	<	<	11	21	263	<	29	96	415	15	33	5	5	0.16	2.39	0.52	3.29	0.62	0.08	0.04	0.04
0404167 P	<	18	11	57	20	<	<	1	<	<	<	12	18	166	<	26	102	396	13	21	4	4	0.15	2.15	0.34	3.56	0.61	0.13	0.04	0.04
0404169 P	<	18	13	73	32	<	<	1	<	<	<	11	12	237	<	17	78	473	14	25	2	4	0.18	2.18	0.46	3.28	0.72	0.34	0.04	0.08
0404171 P	<	16	12	57	22	<	<	1	<	<	<	9	12	173	<	17	71	406	10	27	1	3	0.13	1.77	0.40	2.59	0.56	0.18	0.04	0.06
0404173 P	<	25	16	63	25	<	<	1	<	<	<	9	15	234	<	22	71	386	13	40	2	4	0.12	2.03	0.58	2.60	0.55	0.11	0.04	0.04
0404175 P	<	18	19	75	22	<	<	1	<	<	<	11	17	243	<	23	69	484	16	46	4	4	0.14	2.31	0.72	2.91	0.67	0.14	0.04	0.05
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0878

2036 Lobban Street
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#05696

440 Samples
440=Pulp

[087812:57:46:99092399]

Out: Sep 22, 1999
In : Sep 15, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404176	P	<	21	10	44	27	<	<	1	<	<	<	7	16	199	<	19	53	239	21	25	1	3	0.08	1.86	0.32	2.12	0.33	0.06	0.04	0.05
0404178	P	<	16	17	71	42	<	<	2	<	<	<	12	21	122	<	26	91	505	9	18	5	4	0.16	2.26	0.37	3.52	0.72	0.08	0.04	0.05
0404179	P	<	11	7	29	6	<	<	1	<	<	<	5	9	55	<	12	69	155	4	12	1	2	0.11	0.90	0.15	1.94	0.22	0.04	0.03	0.01
0404181	P	<	28	15	73	66	<	<	1	<	<	<	11	22	274	<	32	98	592	17	43	4	5	0.13	3.46	0.55	3.74	0.62	0.10	0.04	0.05
0404183	P	<	23	11	68	32	<	<	2	<	<	<	14	28	186	<	31	92	430	10	32	5	4	0.17	2.62	0.54	3.49	0.79	0.09	0.04	0.05
0404184	P	<	21	13	51	28	<	<	1	<	<	<	9	17	174	<	22	76	300	14	37	3	4	0.15	1.87	0.53	2.64	0.55	0.09	0.04	0.04
0404186	P	<	15	11	18	<	<	<	<	<	<	<	2	2	55	<	6	26	52	5	15	<	<	0.04	0.30	0.16	0.84	0.07	0.03	0.04	0.02
0404188	P	<	27	13	29	18	<	<	1	<	<	<	4	9	132	<	15	38	132	12	25	1	2	0.05	1.19	0.26	1.56	0.16	0.05	0.04	0.04
0404190	P	<	21	12	60	27	<	<	1	<	<	<	11	17	154	<	27	128	391	12	26	5	5	0.18	2.37	0.35	3.93	0.60	0.14	0.03	0.02
0404192	P	<	34	9	66	34	<	<	1	<	<	<	13	24	331	<	34	92	521	19	38	5	8	0.19	2.65	0.62	3.54	0.80	0.13	0.04	0.05
0404193	P	<	17	9	53	36	<	<	<	<	<	<	9	20	152	<	23	77	256	8	22	3	3	0.16	2.03	0.35	2.81	0.54	0.08	0.04	0.04
0404196	P	<	15	11	75	45	<	<	1	<	<	<	12	16	211	<	19	103	537	15	22	3	5	0.18	2.48	0.39	3.94	0.78	0.21	0.03	0.06
0404198	P	<	24	13	53	46	<	<	2	<	<	<	11	19	198	<	27	85	329	9	22	3	4	0.13	2.50	0.37	3.13	0.57	0.08	0.04	0.03
0404200	P	0.6	62	14	69	204	<	<	2	<	<	<	16	36	693	<	36	93	1836	45	55	3	9	0.11	3.55	0.77	4.15	0.61	0.13	0.05	0.08
0404204	P	0.1	26	14	55	21	<	<	1	<	<	<	9	17	239	<	23	64	346	25	42	2	4	0.10	2.07	0.55	2.54	0.53	0.08	0.04	0.06
0404205	P	0.2	34	16	47	20	<	<	1	<	<	<	9	18	313	<	20	51	359	43	72	2	3	0.07	1.85	0.85	2.20	0.42	0.07	0.05	0.09
0404208	P	<	25	13	72	28	<	<	1	<	<	<	15	23	286	<	31	102	554	17	38	6	6	0.21	2.96	0.66	3.88	0.83	0.13	0.05	0.05
0404210	P	<	24	14	79	28	<	<	1	<	<	<	17	21	307	<	31	105	603	17	38	10	6	0.24	3.09	0.70	4.20	0.95	0.17	0.05	0.07
0404212	P	<	26	17	79	28	<	<	1	<	<	<	16	21	299	<	29	108	756	21	31	7	6	0.17	3.16	0.57	4.48	0.89	0.15	0.04	0.07
0404214	P	<	35	10	75	19	<	<	1	<	<	<	16	26	364	<	36	103	615	24	41	15	9	0.22	2.96	0.68	3.98	0.95	0.13	0.05	0.06
0404216	P	<	20	12	62	14	<	<	1	<	<	<	11	19	225	<	23	96	397	8	30	5	4	0.18	2.16	0.47	3.25	0.68	0.06	0.04	0.03
0404217	P	<	26	11	61	17	<	<	1	<	<	<	13	24	266	<	34	95	442	13	37	9	7	0.18	2.48	0.60	3.50	0.81	0.07	0.04	0.04
0404219	P	<	23	12	65	24	<	<	2	<	<	<	11	24	257	<	26	96	393	13	29	6	5	0.15	2.81	0.46	3.63	0.75	0.07	0.04	0.04
0404221	P	<	24	19	103	17	<	<	3	<	<	<	18	22	477	<	20	107	1065	26	24	4	8	0.26	3.69	0.63	5.12	1.28	0.31	0.04	0.12
0404223	P	<	38	14	69	36	<	<	2	<	<	<	17	32	335	<	41	113	512	12	33	16	7	0.20	4.48	0.50	4.37	0.88	0.10	0.04	0.03
0404224	P	<	24	14	61	25	<	<	1	<	<	<	14	19	171	<	29	102	410	12	27	9	6	0.22	2.99	0.45	3.62	0.81	0.16	0.04	0.04
0404226	P	<	23	15	69	30	<	<	2	<	<	<	15	27	200	<	32	103	397	10	33	10	6	0.21	3.23	0.56	3.84	0.86	0.12	0.04	0.04
0404228	P	<	22	14	67	33	<	<	1	<	<	<	17	29	238	<	32	112	517	10	31	11	6	0.22	3.78	0.46	4.18	1.03	0.12	0.04	0.03
0404229	P	<	26	11	59	22	<	<	2	<	<	<	13	21	240	<	29	88	348	14	31	8	6	0.19	2.56	0.53	3.29	0.81	0.10	0.04	0.04
0404231	P	<	20	12	65	25	<	<	1	<	<	<	14	22	198	<	34	100	470	8	23	9	4	0.15	2.76	0.33	3.65	0.76	0.06	0.04	0.03
0404233	P	<	24	13	61	27	<	<	2	<	<	<	11	20	279	<	26	94	461	17	31	5	5	0.13	2.50	0.43	3.38	0.68	0.07	0.04	0.03
0404235	P	<	21	12	59	25	<	<	1	<	<	<	13	26	185	<	30	113	350	8	25	6	4	0.17	2.32	0.36	3.71	0.73	0.10	0.03	0.02
0404237	P	<	22	9	64	34	<	<	1	<	<	<	15	28	177	<	31	104	426	8	25	8	5	0.17	2.88	0.41	3.88	0.80	0.09	0.04	0.04
0404239	P	<	25	11	55	25	<	<	2	<	<	<	12	21	176	<	29	103	338	9	25	8	4	0.17	2.54	0.37	3.52	0.64	0.06	0.04	0.02
0404241	P	<	17	12	80	29	<	<	1	<	<	<	13	17	247	<	20	89	496	21	33	3	6	0.21	2.69	0.65	3.59	0.90	0.35	0.05	0.08
0404243	P	<	26	14	57	16	<	<	1	<	<	<	10	16	200	<	20	84	504	21	30	3	4	0.15	2.12	0.44	3.17	0.56	0.12	0.04	0.04
0404244	P	<	21	13	82	28	<	<	1	<	<	<	16	25	281	<	30	112	608	15	32	7	5	0.20	3.01	0.59	4.25	0.89	0.14	0.05	0.06
0404245	P	<	17	8	46	13	<	<	1	<	<	<	8	10	192	<	17	61	283	15	24	2	4	0.13	1.80	0.35	2.32	0.45	0.07	0.04	0.03
0404247	P	<	21	10	70	21	<	<	1	<	<	<	14	25	248	<	29	96	491	16	31	7	6	0.19	2.85	0.57	3.75	0.85	0.12	0.04	0.05
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0878

2036 Column Street
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#05696

440 Samples
440=Pulp

[087812:57:46:99092399]

Out: Sep 22, 1999
In : Sep 15, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404249 P	<	22	13	65	27	<	<	2	<	<	<	11	17	208	<	25	110	489	13	21	4	4	0.16	2.48	0.33	3.66	0.59	0.07	0.03	0.03
0404251 P	<	19	13	62	22	<	<	1	<	<	<	10	18	190	<	25	96	347	10	23	3	4	0.15	2.50	0.35	3.41	0.65	0.06	0.03	0.04
0404253 P	<	21	10	63	20	<	<	1	<	<	<	11	17	206	<	24	84	379	9	27	3	4	0.17	2.47	0.48	3.17	0.72	0.09	0.04	0.04
0404255 P	<	28	9	67	23	<	<	<	<	<	<	12	22	256	<	29	87	460	18	34	7	6	0.19	2.31	0.65	3.33	0.84	0.16	0.05	0.06
0404256 P	<	25	10	78	26	<	<	2	<	<	<	15	21	331	<	30	100	625	25	37	7	7	0.21	2.66	0.69	3.93	0.98	0.22	0.04	0.08
0404258 P	<	22	15	76	40	<	<	2	<	<	<	15	25	233	<	29	109	594	14	31	7	6	0.21	3.07	0.55	4.16	0.94	0.16	0.04	0.05
0404260 P	<	22	13	67	24	<	<	1	<	<	<	14	21	212	<	27	102	469	11	32	7	5	0.19	2.85	0.53	3.60	0.83	0.11	0.04	0.04
0404262 P	<	20	10	49	29	<	<	1	<	<	<	12	23	186	<	28	85	312	9	26	4	4	0.15	2.74	0.39	3.16	0.58	0.08	0.04	0.03
0404264 P	<	27	11	63	32	<	<	2	<	<	<	19	45	217	<	52	132	386	7	31	11	5	0.26	3.38	0.45	4.78	1.22	0.06	0.04	0.02
0404266 P	<	21	15	91	47	<	<	3	<	<	<	18	18	208	<	25	121	895	23	17	4	6	0.20	3.02	0.23	5.17	0.87	0.35	0.03	0.05
0404268 P	<	720	13	59	22	<	<	2	<	<	<	13	16	153	<	25	102	271	9	20	6	4	0.17	2.19	0.26	3.11	0.55	0.07	0.03	0.01
0404270 P	<	179	18	43	25	<	<	1	<	<	<	10	16	117	<	22	91	263	9	19	5	3	0.15	1.93	0.24	2.72	0.46	0.06	0.03	0.01
0404271 P	<	64	17	59	36	<	<	2	<	<	<	13	23	227	<	30	109	345	12	23	9	5	0.17	2.95	0.34	3.84	0.65	0.10	0.04	0.03
0404272 P	<	33	12	66	22	<	<	<	<	<	<	14	24	194	<	31	108	484	13	29	9	5	0.18	2.99	0.44	3.86	0.79	0.09	0.04	0.03
0404274 P	<	20	14	64	12	<	<	2	<	<	<	13	15	117	<	23	112	644	9	24	3	4	0.20	1.87	0.32	3.28	0.57	0.13	0.04	0.04
0404276 P	<	24	13	66	25	<	<	1	<	<	<	14	24	203	<	24	100	595	19	38	11	6	0.23	2.79	0.63	3.83	1.02	0.18	0.05	0.06
0404277 P	<	28	13	66	28	<	<	2	<	<	<	15	18	177	<	25	99	926	18	38	4	5	0.19	2.56	0.61	3.58	0.71	0.17	0.05	0.05
0404278 P	0.1	22	11	56	31	<	<	1	<	<	<	12	18	202	<	25	97	453	16	35	7	5	0.18	2.52	0.51	3.25	0.70	0.11	0.04	0.03
0404279 P	0.1	20	12	62	28	<	<	1	<	<	<	11	14	234	<	21	92	406	15	27	2	4	0.18	2.13	0.43	3.20	0.65	0.16	0.04	0.05
0404281 P	<	16	12	62	35	<	<	1	<	<	<	9	13	160	<	18	75	424	16	23	2	4	0.12	1.75	0.38	3.07	0.53	0.12	0.04	0.06
0404282 P	0.1	20	12	61	44	<	<	2	<	<	<	10	15	215	<	21	84	464	16	26	3	4	0.15	2.21	0.42	3.20	0.61	0.10	0.04	0.04
0404283 P	<	22	12	64	31	<	<	1	<	<	<	14	19	206	<	25	86	848	14	25	2	4	0.12	2.41	0.39	3.23	0.60	0.08	0.04	0.06
0404284 P	<	21	9	68	27	<	<	2	<	<	<	12	26	205	<	29	110	432	12	28	6	5	0.20	2.66	0.47	3.80	0.75	0.08	0.05	0.04
0404285 P	0.1	41	18	76	27	<	<	1	<	<	<	11	16	227	<	22	89	602	17	33	2	4	0.17	2.28	0.53	3.24	0.67	0.12	0.04	0.06
0404286 P	<	22	14	65	36	<	<	1	<	<	<	15	23	203	<	31	105	477	12	29	8	5	0.20	3.05	0.51	4.01	0.79	0.10	0.05	0.06
0404288 P	<	25	13	71	46	<	<	1	<	<	<	14	23	275	<	31	103	452	14	35	4	6	0.20	2.99	0.58	3.78	0.76	0.10	0.05	0.05
0404289 P	<	25	14	80	56	<	<	<	<	<	<	14	24	226	<	32	110	568	17	32	4	6	0.19	2.95	0.55	4.03	0.84	0.14	0.04	0.06
0404290 P	<	26	7	64	26	<	<	1	<	<	<	13	20	266	<	29	94	435	13	33	4	5	0.17	2.79	0.55	3.44	0.73	0.08	0.05	0.05
0404291 P	<	19	10	71	19	<	<	2	<	<	<	13	22	177	<	31	116	474	9	25	5	5	0.20	2.62	0.43	4.01	0.79	0.08	0.04	0.04
0404292 P	<	25	13	62	28	<	<	1	<	<	<	14	25	214	<	29	97	506	12	26	6	5	0.16	2.75	0.45	3.68	0.78	0.09	0.04	0.05
0404294 P	<	35	10	68	31	<	<	2	<	<	<	13	27	271	<	33	85	399	21	35	5	7	0.18	2.70	0.60	3.33	0.80	0.13	0.04	0.06
0404296 P	<	23	15	99	37	<	<	2	<	<	<	16	19	359	<	23	105	1023	22	32	5	7	0.21	3.03	0.68	4.77	1.18	0.33	0.04	0.10
0404297 P	<	31	14	72	23	<	<	1	<	<	<	12	18	285	<	28	84	481	31	35	5	8	0.18	2.65	0.62	3.44	0.90	0.25	0.04	0.07
0404298 P	<	26	13	74	31	<	<	<	<	<	<	15	19	219	<	26	101	579	12	30	7	6	0.25	2.87	0.56	3.75	0.97	0.24	0.04	0.06
0404300 P	<	31	15	72	37	<	<	1	<	<	<	17	28	283	<	36	112	515	15	34	13	7	0.23	3.83	0.56	4.29	0.93	0.11	0.04	0.04
0404302 P	<	23	17	70	29	<	<	2	<	<	<	15	23	234	<	28	114	485	13	29	7	6	0.25	3.41	0.46	4.27	0.80	0.15	0.04	0.03
0404304 P	<	18	11	54	21	<	<	<	<	<	<	10	16	169	<	23	87	298	11	31	3	4	0.18	2.19	0.44	2.87	0.59	0.09	0.05	0.03
0404306 P	<	21	10	58	29	<	<	2	<	<	<	12	20	168	<	30	115	325	11	30	7	5	0.18	2.74	0.44	3.69	0.66	0.06	0.04	0.02
0404308 P	<	32	9	61	28	<	<	1	<	<	<	15	35	186	<	41	110	446	13	43	11	6	0.18	2.96	0.54	3.70	0.86	0.06	0.04	0.02
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0878

2036 Columbia Street
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#05696

440 Samples
440=Pulp

[087812:57:46:99092399]

Out: Sep 22, 1999
In : Sep 15, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404310	P	0.1	23	11	63	30	<	<	<	<	<	<	11	18	207	<	23	79	525	16	49	5	5	0.10	2.46	0.81	3.19	0.71	0.11	0.04	0.05
0404312	P	<	20	15	66	25	<	<	1	<	<	<	14	22	235	<	27	97	558	15	33	7	5	0.18	2.60	0.53	3.59	0.80	0.16	0.04	0.05
0404314	P	<	26	17	61	31	<	<	1	<	<	<	12	22	273	<	30	92	443	13	36	6	6	0.15	2.32	0.63	3.30	0.74	0.09	0.05	0.05
0404316	P	<	19	21	82	55	<	<	1	<	<	<	12	18	368	<	22	93	313	22	58	4	7	0.13	2.38	1.00	3.62	0.88	0.16	0.05	0.09
0404318	P	<	21	19	73	62	<	<	1	<	<	<	14	13	223	<	15	91	788	14	21	2	4	0.20	1.96	0.42	3.61	0.72	0.27	0.04	0.06
0404319	P	<	18	18	89	63	<	<	1	<	<	<	15	17	201	<	23	110	545	12	23	5	6	0.25	2.90	0.51	4.45	1.00	0.27	0.05	0.08
0404320	P	<	32	20	75	31	<	<	2	<	<	<	10	14	213	<	21	89	440	15	24	2	5	0.17	2.17	0.35	3.38	0.68	0.17	0.05	0.04
0404321	P	<	19	18	89	32	<	<	1	<	<	<	16	18	279	<	25	96	775	18	27	2	6	0.16	2.74	0.51	3.98	0.88	0.18	0.04	0.07
0404322	P	<	40	22	75	38	<	<	<	<	<	<	12	15	384	<	22	76	1034	23	59	2	5	0.07	2.52	0.93	3.12	0.58	0.14	0.05	0.06
0404323	P	<	23	18	74	62	<	<	3	<	<	<	16	30	229	<	32	114	586	12	25	9	5	0.18	3.18	0.37	4.36	0.81	0.14	0.05	0.04
0404325	P	<	26	15	70	31	<	<	2	<	<	<	13	21	167	<	25	92	582	11	23	4	4	0.16	2.37	0.36	3.54	0.72	0.16	0.04	0.06
0404327	P	<	18	17	68	33	<	<	2	<	<	<	10	17	179	<	20	87	384	12	19	3	4	0.16	2.10	0.33	3.15	0.65	0.17	0.03	0.05
0404329	P	<	18	14	72	26	<	<	1	<	<	<	14	24	205	<	27	101	772	12	23	3	4	0.15	2.21	0.43	3.66	0.73	0.12	0.04	0.07
0404331	P	<	17	18	79	21	<	<	<	<	<	<	15	16	167	<	22	123	712	11	21	5	5	0.28	2.59	0.47	4.40	0.90	0.21	0.04	0.08
0404333	P	<	23	12	61	23	<	<	2	<	<	<	14	25	210	<	31	98	457	11	27	8	5	0.19	2.79	0.46	3.57	0.79	0.10	0.04	0.04
0404335	P	<	22	16	70	47	<	<	2	<	<	<	15	25	167	<	31	114	561	10	25	6	5	0.21	3.02	0.48	4.10	0.84	0.13	0.04	0.05
0404337	P	<	27	19	83	118	<	<	2	<	<	<	17	25	216	<	36	120	654	18	24	11	7	0.19	4.23	0.33	5.34	0.93	0.24	0.04	0.03
0404339	P	<	28	19	109	46	<	<	2	<	<	<	18	25	250	<	27	121	874	17	21	10	8	0.27	4.33	0.39	5.65	1.18	0.34	0.04	0.06
0404341	P	<	22	12	70	41	<	<	2	<	<	<	16	27	180	<	34	124	457	12	28	7	5	0.21	3.56	0.42	4.40	0.81	0.08	0.04	0.04
0404343	P	<	25	20	69	21	<	<	2	<	<	<	13	20	186	<	29	117	580	13	29	7	5	0.16	2.94	0.43	4.03	0.74	0.10	0.04	0.04
0404345	P	0.1	19	13	66	31	<	<	2	<	<	<	12	23	166	<	28	126	393	11	29	6	4	0.18	2.33	0.42	3.78	0.71	0.08	0.04	0.03
0404347	P	<	25	12	67	85	<	<	3	<	<	<	14	35	220	<	35	114	451	10	32	8	5	0.16	3.06	0.47	4.14	0.76	0.08	0.04	0.04
0404349	P	<	28	10	71	38	<	<	1	<	<	<	14	37	273	<	35	104	466	12	34	6	6	0.21	3.09	0.59	3.94	0.90	0.10	0.05	0.06
0404351	P	<	27	12	77	49	<	<	1	<	<	<	19	29	331	<	28	103	850	19	40	5	6	0.16	2.60	0.74	4.07	0.92	0.27	0.05	0.10
0404353	P	0.1	33	14	79	152	<	<	1	<	<	<	15	31	555	<	36	108	803	37	63	6	10	0.16	3.00	0.94	4.16	0.99	0.16	0.06	0.08
0404355	P	0.1	28	11	76	115	<	<	2	<	<	<	14	20	446	<	27	95	923	25	53	3	7	0.14	2.56	0.91	3.76	0.80	0.19	0.05	0.08
0404357	P	0.1	27	13	69	69	<	<	1	<	<	<	10	17	423	<	25	72	364	20	74	4	6	0.13	2.23	1.22	2.83	0.70	0.15	0.05	0.09
0404359	P	0.2	22	14	58	37	<	<	1	<	<	<	12	19	312	<	22	62	792	38	50	2	6	0.11	2.18	0.75	2.73	0.56	0.13	0.05	0.08
0404361	P	<	19	19	68	58	<	<	2	<	<	<	13	27	169	<	31	106	371	9	20	5	4	0.13	3.46	0.22	4.23	0.62	0.08	0.03	0.02
0404363	P	<	19	13	58	20	<	<	2	<	<	<	11	20	172	<	25	89	688	7	25	3	3	0.12	2.18	0.32	3.37	0.48	0.07	0.03	0.03
0404365	P	<	20	13	75	55	<	<	<	<	<	<	13	33	250	<	22	93	675	16	26	4	5	0.19	2.55	0.51	3.86	0.85	0.26	0.04	0.08
0404367	P	<	17	12	88	40	<	<	2	<	<	<	15	28	196	<	28	109	775	13	27	3	5	0.21	2.56	0.56	4.30	0.96	0.20	0.04	0.09
0404369	P	<	19	11	67	44	<	<	1	<	<	<	14	29	212	<	30	100	404	12	26	4	5	0.17	2.65	0.42	3.73	0.79	0.07	0.04	0.05
0404371	P	<	27	17	75	76	<	<	1	<	<	<	14	29	212	<	32	103	873	16	32	3	6	0.17	2.59	0.51	3.92	0.84	0.12	0.04	0.06
0404373	P	<	25	17	76	67	<	<	<	<	<	<	13	38	236	<	31	109	564	17	35	3	6	0.17	2.85	0.60	4.04	0.84	0.10	0.04	0.06
0404375	P	0.1	26	14	69	61	<	<	<	<	<	<	14	26	255	<	33	106	522	16	30	6	7	0.19	3.49	0.40	3.95	0.74	0.09	0.04	0.03
0404377	P	<	25	13	71	42	<	<	1	<	<	<	16	29	213	<	35	107	585	16	30	13	6	0.24	3.19	0.50	3.93	0.93	0.17	0.04	0.05
0404379	P	<	26	8	64	42	<	<	1	<	<	<	14	33	249	<	33	103	450	11	29	6	5	0.20	3.11	0.49	3.78	0.84	0.11	0.04	0.04
0404381	P	<	23	12	59	37	<	<	2	<	<	<	15	29	211	<	32	109	406	10	22	11	5	0.20	3.23	0.34	4.10	0.72	0.10	0.04	0.04
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample P=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 9910878

2036 Colan... Teet
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#05696

440 Samples
440=Pulp

[087812:57:46:99092399]

Out: Sep 22, 1999
In : Sep 15, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404383	P	<	26	14	62	63	<	<	2	<	<	<	13	26	235	<	33	116	386	14	29	7	6	0.18	3.46	0.39	4.12	0.74	0.09	0.03	0.02
0404385	P	<	22	12	60	29	<	<	2	<	<	<	12	25	183	<	36	106	307	11	25	8	5	0.16	3.09	0.36	3.93	0.70	0.05	0.04	0.04
0404387	P	<	12	14	25	11	<	<	1	<	<	<	5	5	84	<	13	68	137	8	19	2	2	0.17	1.02	0.20	1.58	0.18	0.06	0.04	0.01
0404389	P	<	20	14	55	52	<	<	2	<	<	<	9	15	134	<	23	104	356	10	23	3	4	0.13	2.40	0.31	3.15	0.51	0.09	0.04	0.02
0404391	P	<	19	9	53	42	<	<	1	<	<	<	12	19	174	<	25	93	332	9	23	7	4	0.17	2.74	0.33	3.37	0.61	0.08	0.05	0.03
0404392	P	<	25	24	48	118	<	<	1	<	<	<	10	15	234	<	24	81	385	8	26	4	4	0.10	2.24	0.34	2.91	0.37	0.04	0.04	0.03
0404394	P	<	22	12	53	81	<	<	1	<	<	<	12	23	256	<	30	97	397	13	37	3	4	0.12	2.10	0.58	3.31	0.64	0.06	0.04	0.03
0404396	P	0.1	25	13	64	312	<	<	2	<	<	<	11	18	508	<	26	78	691	20	46	2	6	0.10	2.46	0.73	3.37	0.63	0.08	0.04	0.06
0404398	P	<	20	10	70	33	<	<	1	<	<	<	13	20	269	<	28	88	623	14	36	4	5	0.17	2.11	0.72	3.45	0.84	0.19	0.05	0.08
0404400	P	<	22	9	53	36	<	<	1	<	<	<	10	16	367	<	23	80	359	29	42	4	6	0.14	2.19	0.69	3.29	0.64	0.10	0.04	0.06
0404402	P	<	23	17	62	39	<	<	1	<	<	<	11	29	248	<	24	97	458	14	24	3	5	0.10	2.74	0.35	3.74	0.69	0.16	0.03	0.05
0404404	P	<	20	12	57	28	<	<	<	<	<	<	11	24	145	<	23	83	491	15	20	1	3	0.10	2.07	0.25	2.90	0.40	0.06	0.03	0.04
0404406	P	<	18	12	58	24	<	<	1	<	<	<	11	19	158	<	21	94	730	7	21	2	3	0.15	1.81	0.27	3.10	0.44	0.07	0.04	0.03
0404408	P	0.4	34	12	48	20	<	<	1	<	<	<	8	19	161	<	22	72	241	12	26	4	3	0.14	1.78	0.35	2.56	0.47	0.07	0.05	0.02
0404411	P	0.2	22	7	32	13	<	<	<	<	<	<	4	12	109	<	14	51	106	10	23	1	2	0.10	0.98	0.31	1.56	0.25	0.05	0.04	0.03
0404413	P	0.4	23	20	60	44	<	<	1	<	<	<	11	17	242	<	25	73	435	23	36	2	5	0.11	2.26	0.55	2.73	0.52	0.06	0.04	0.07
0404414	P	<	17	9	62	52	<	<	<	<	<	<	12	37	171	<	29	93	481	9	26	4	4	0.15	2.22	0.47	3.39	0.74	0.08	0.04	0.05
0404416	P	0.2	34	14	51	56	<	<	1	<	<	<	10	33	254	<	26	74	450	14	31	2	4	0.09	2.51	0.39	2.91	0.41	0.07	0.04	0.05
0404418	P	<	23	10	59	24	<	<	<	<	<	<	12	25	201	<	28	78	332	11	29	5	4	0.17	2.30	0.52	3.06	0.77	0.10	0.04	0.06
0404419	P	<	23	14	62	37	<	<	1	<	<	<	13	24	226	<	29	91	395	14	27	5	5	0.17	2.98	0.43	3.60	0.74	0.11	0.03	0.04
0404421	P	0.1	17	10	42	28	<	<	2	<	<	<	9	13	152	<	18	64	557	10	24	2	3	0.10	1.81	0.29	2.41	0.34	0.05	0.04	0.03
0404423	P	<	27	11	75	51	<	<	1	<	<	<	15	35	243	<	32	105	581	16	34	5	6	0.20	3.39	0.58	4.14	0.87	0.12	0.04	0.06
0404425	P	<	26	14	88	77	7	<	<	<	<	<	19	52	230	<	42	118	565	10	29	8	6	0.21	4.44	0.38	5.19	0.94	0.11	0.04	0.04
0404427	P	<	22	16	96	65	<	<	1	<	<	<	16	46	217	<	40	131	477	9	29	7	5	0.19	3.78	0.36	5.05	0.88	0.08	0.03	0.03
0404429	P	<	26	11	61	48	<	<	<	<	<	<	13	46	190	<	36	105	398	12	31	10	5	0.17	3.17	0.46	3.74	0.80	0.07	0.05	0.04
0404430	P	<	26	17	69	43	<	<	1	<	<	<	16	36	226	<	36	112	454	9	28	9	6	0.17	3.41	0.41	4.17	0.87	0.08	0.04	0.02
0404432	P	<	23	13	68	24	<	<	1	<	<	<	13	24	241	<	28	96	549	21	32	7	6	0.17	2.80	0.47	3.80	0.83	0.14	0.04	0.04
0404434	P	<	22	9	61	40	<	<	<	<	<	<	13	23	186	<	30	85	409	13	27	5	5	0.16	2.73	0.50	3.40	0.73	0.08	0.04	0.06
0404436	P	<	26	12	65	46	<	<	1	<	<	<	15	25	274	<	31	95	624	13	30	6	6	0.17	3.05	0.50	3.82	0.76	0.09	0.04	0.05
0404438	P	<	16	15	92	47	<	<	2	<	<	<	16	28	170	<	24	109	751	17	31	6	6	0.24	3.36	0.61	4.67	0.99	0.18	0.04	0.09
0404440	P	0.1	25	15	79	78	<	<	<	<	<	<	13	35	285	<	30	99	597	21	40	5	6	0.22	2.72	0.76	3.90	0.89	0.17	0.05	0.08
0404441	P	<	21	12	68	65	<	<	<	<	<	<	11	31	247	<	26	85	536	19	35	5	6	0.19	2.16	0.67	3.29	0.77	0.19	0.05	0.07
0404443	P	<	24	11	65	44	<	<	<	<	<	<	13	34	234	<	32	95	432	13	35	6	5	0.19	2.61	0.65	3.53	0.84	0.11	0.04	0.07
0404445	P	<	23	12	66	44	<	<	<	<	<	<	13	37	231	<	31	91	436	11	36	5	5	0.18	2.61	0.63	3.35	0.82	0.09	0.05	0.06
0404447	P	<	26	14	84	52	<	<	<	<	<	<	15	31	308	<	35	106	721	16	43	4	6	0.18	3.30	0.68	4.11	0.84	0.11	0.05	0.06
0404449	P	<	17	12	72	30	<	<	<	<	<	<	11	28	149	<	29	114	427	9	26	4	4	0.18	2.24	0.39	3.65	0.72	0.07	0.04	0.03
0404451	P	<	22	16	91	51	<	<	1	<	<	<	17	41	294	<	36	127	604	17	28	10	6	0.21	3.79	0.48	4.84	1.03	0.17	0.04	0.06
0404453	P	<	16	10	64	19	<	<	1	<	<	<	12	20	204	<	25	97	474	16	25	4	4	0.17	2.28	0.44	3.56	0.74	0.14	0.04	0.05
0404455	P	<	16	13	81	28	<	<	1	<	<	<	12	17	253	<	19	92	575	22	25	2	5	0.17	2.33	0.47	3.73	0.79	0.22	0.03	0.08
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0878

2036 Colum[illegible] Road
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#05696

440 Samples
440=Pulp

[087812:57:46:99092399]

Out: Sep 22, 1999
In : Sep 15, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404456 P	<	18	8	73	48	<	<	1	<	<	<	13	27	333	<	24	82	732	27	56	4	6	0.15	2.34	0.85	3.40	0.75	0.21	0.05	0.08
0404458 P	<	14	8	65	37	<	<	1	<	<	<	11	26	209	<	23	92	550	9	34	3	4	0.18	2.12	0.59	3.38	0.71	0.27	0.04	0.05
0404459 P	<	15	9	67	38	<	<	1	<	<	<	12	25	218	<	24	96	538	9	35	4	5	0.19	2.35	0.63	3.67	0.76	0.27	0.04	0.06
0404461 P	<	17	8	91	47	<	<	1	<	<	<	16	26	402	<	18	101	944	16	21	6	7	0.21	2.80	0.60	4.69	1.05	0.62	0.03	0.13
0404463 P	<	20	10	62	71	<	<	1	<	<	<	12	32	387	<	30	94	584	14	33	5	5	0.11	2.50	0.54	3.66	0.69	0.08	0.04	0.04
0404465 P	0.2	31	16	70	602	<	<	1	<	<	<	16	28	435	<	34	101	1143	21	41	3	7	0.13	3.17	0.57	4.02	0.65	0.08	0.04	0.05
0404467 P	<	25	11	58	250	<	<	1	<	<	<	13	29	491	<	34	101	352	12	32	7	5	0.14	2.62	0.56	3.57	0.72	0.06	0.05	0.04
0404469 P	<	22	17	80	639	<	<	2	<	<	<	16	26	349	<	31	103	633	20	28	5	7	0.13	3.25	0.49	4.50	0.87	0.12	0.04	0.05
0404470 P	<	22	13	56	36	<	<	2	<	<	<	12	23	255	<	30	89	451	25	33	4	5	0.14	2.47	0.47	3.30	0.71	0.09	0.04	0.04
0404472 P	<	18	14	61	37	<	<	1	<	<	<	11	20	167	<	28	112	396	11	22	6	5	0.16	2.73	0.33	3.84	0.70	0.07	0.03	0.02
0404474 P	0.1	29	16	69	48	6	<	<	<	<	<	12	39	269	<	32	81	485	18	35	8	6	0.18	2.40	0.59	3.23	0.78	0.14	0.05	0.07
0404476 P	<	24	15	65	45	<	<	2	<	<	<	16	36	187	<	33	99	476	10	23	7	5	0.13	3.12	0.37	4.08	0.78	0.08	0.04	0.04
0404478 P	0.1	25	12	64	24	<	<	1	<	<	<	11	20	212	<	28	74	367	23	31	8	7	0.17	2.13	0.55	2.99	0.73	0.16	0.04	0.06
0404480 P	<	22	18	64	31	<	<	1	<	<	<	11	18	219	<	27	81	342	17	32	3	5	0.14	2.44	0.51	3.16	0.66	0.09	0.04	0.06
0404481 P	<	23	15	65	37	<	<	2	<	<	<	11	22	232	<	29	83	337	17	34	3	6	0.15	2.67	0.53	3.28	0.69	0.09	0.04	0.06
0404483 P	<	19	13	60	29	<	<	<	<	<	<	11	22	154	<	27	88	330	9	28	5	4	0.17	2.34	0.44	3.19	0.65	0.07	0.04	0.04
0404485 P	<	27	13	79	63	<	<	<	<	<	<	12	31	304	<	33	96	499	22	40	3	7	0.16	3.25	0.61	3.80	0.76	0.12	0.04	0.07
0404486 P	<	17	13	80	41	<	<	1	<	<	<	13	28	208	<	30	109	509	11	32	4	5	0.20	2.95	0.51	3.85	0.81	0.11	0.05	0.04
0404488 P	<	15	14	82	32	<	<	1	<	<	<	14	22	220	<	26	105	553	15	38	6	5	0.21	2.65	0.66	3.90	0.93	0.24	0.05	0.07
0404490 P	<	15	9	60	27	<	<	1	<	<	<	11	22	144	<	24	92	488	9	23	3	4	0.17	1.97	0.37	3.23	0.67	0.10	0.04	0.05
0404492 P	<	22	9	64	36	<	<	<	<	<	<	13	32	283	<	30	102	505	16	32	4	5	0.16	2.40	0.58	3.81	0.76	0.10	0.04	0.06
0404494 P	<	17	11	88	47	5	<	<	<	<	<	15	34	318	<	23	102	752	22	26	4	6	0.17	2.35	0.62	4.53	0.93	0.37	0.03	0.12
0404496 P	<	25	16	75	59	<	<	2	<	<	<	16	26	376	<	34	109	694	19	33	7	6	0.16	3.42	0.49	4.32	0.78	0.12	0.04	0.04
0404497 P	<	25	14	74	58	<	<	2	<	<	<	16	23	358	<	34	109	658	19	32	7	7	0.17	3.36	0.49	4.29	0.80	0.11	0.04	0.03
0404499 P	<	22	12	70	28	<	<	2	<	<	<	15	32	312	<	34	108	581	11	35	7	6	0.17	2.95	0.57	4.13	0.85	0.09	0.04	0.04
0404501 P	<	20	9	60	32	<	<	1	<	<	<	12	22	559	<	25	98	471	20	32	5	6	0.15	2.65	0.51	3.72	0.69	0.10	0.05	0.04
0404503 P	<	24	15	68	45	<	<	1	<	<	<	16	26	349	<	35	118	421	12	29	12	6	0.22	3.68	0.43	4.29	0.85	0.12	0.04	0.02
0404505 P	0.5	25	158	143	1417	10	<	2	<	<	<	14	25	314	<	30	97	586	18	28	4	8	0.10	3.02	0.48	4.47	0.72	0.12	0.04	0.06
0404507 P	<	21	19	64	114	<	<	<	<	<	<	12	29	383	<	32	89	389	10	29	6	5	0.14	2.45	0.50	3.39	0.77	0.07	0.04	0.04
0404509 P	<	25	8	56	67	<	<	1	<	<	<	10	25	300	<	25	78	375	14	33	2	5	0.14	2.33	0.49	3.04	0.55	0.10	0.04	0.03
0404511 P	<	22	10	67	66	<	<	1	<	<	<	13	27	277	<	31	93	450	12	32	5	5	0.17	2.93	0.52	3.73	0.76	0.11	0.04	0.06
0404513 P	<	17	13	66	64	<	<	2	<	<	<	13	23	206	<	30	112	382	8	26	8	5	0.17	2.75	0.44	3.91	0.75	0.08	0.03	0.04
0404515 P	<	30	11	64	62	<	<	1	<	<	<	18	36	209	<	36	100	447	9	24	10	6	0.18	3.57	0.43	3.91	0.87	0.10	0.04	0.05
0404516 P	<	31	13	63	48	<	<	<	<	<	<	16	37	225	<	37	106	460	9	26	8	6	0.17	3.33	0.47	3.91	0.87	0.09	0.04	0.05
0404517 P	<	19	10	68	39	<	<	1	<	<	<	13	18	179	<	26	100	466	12	25	4	5	0.21	2.40	0.51	3.62	0.80	0.20	0.04	0.07
0404519 P	<	18	11	63	324	<	<	2	<	<	<	11	29	204	<	29	112	388	13	25	3	5	0.13	2.70	0.38	3.95	0.65	0.08	0.03	0.04
0404521 P	<	19	11	72	125	<	<	1	<	<	<	13	22	180	<	29	114	518	11	27	5	5	0.19	2.56	0.52	4.11	0.84	0.11	0.04	0.06
0404523 P	<	16	12	56	67	<	<	1	<	<	<	11	24	151	<	24	87	379	10	24	4	4	0.15	1.86	0.38	3.06	0.63	0.08	0.04	0.03
0404525 P	<	20	13	58	81	<	<	1	<	<	<	10	20	212	<	25	80	399	13	32	2	4	0.14	1.98	0.49	3.04	0.63	0.09	0.04	0.06
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0878

2036 Columbia Street
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#05696

440 Samples
440=Pulp

[087812:57:46:99092399]

Out: Sep 22, 1999
In : Sep 15, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404527	P	<	18	13	75	138	<	<	<	<	<	<	14	35	199	<	28	111	685	11	29	5	5	0.17	2.78	0.48	4.02	0.86	0.14	0.04	0.04
0404529	P	<	17	17	66	106	<	<	1	<	<	<	12	28	253	<	29	100	486	12	30	4	5	0.16	2.57	0.48	3.74	0.77	0.10	0.04	0.03
0404531	P	<	22	12	54	49	<	<	1	<	<	<	11	30	210	<	30	114	332	11	28	6	5	0.19	2.57	0.41	3.60	0.60	0.06	0.04	0.02
0404533	P	<	27	16	65	34	<	<	1	<	<	<	17	38	222	<	38	114	464	11	28	10	5	0.19	3.00	0.47	4.08	0.87	0.08	0.04	0.04
0404535	P	<	22	16	68	49	<	<	1	<	<	<	12	22	244	<	28	92	488	16	30	3	5	0.16	2.43	0.49	3.46	0.74	0.12	0.04	0.05
0404536	P	<	14	13	71	41	<	<	1	<	<	<	9	13	253	<	20	76	395	20	30	2	5	0.14	2.13	0.50	2.99	0.68	0.17	0.04	0.06
0404537	P	<	14	13	66	38	<	<	1	<	<	<	9	15	251	<	20	73	414	21	28	1	4	0.13	2.05	0.48	2.93	0.65	0.14	0.03	0.06
0404539	P	<	17	15	67	43	<	<	<	<	<	<	11	17	308	<	24	86	487	19	30	3	5	0.16	2.80	0.43	3.33	0.63	0.14	0.03	0.04
0404541	P	<	15	13	61	36	<	<	1	<	<	<	9	14	299	<	20	78	466	18	29	3	4	0.14	2.35	0.44	3.12	0.59	0.14	0.03	0.06
0404543	P	<	11	12	55	20	<	<	1	<	<	<	11	9	180	<	18	77	475	10	19	3	2	0.17	1.89	0.27	2.89	0.67	0.29	0.05	0.04
0404545	P	<	13	16	70	45	6	<	<	<	<	<	11	20	215	<	14	86	634	15	17	1	3	0.16	2.51	0.27	3.25	0.64	0.40	0.04	0.07
0404546	P	<	16	16	69	41	<	<	2	<	<	<	11	15	221	<	18	76	689	26	31	2	5	0.11	2.14	0.47	3.33	0.54	0.19	0.05	0.07
0404548	P	<	22	12	63	46	<	<	1	<	<	<	9	10	143	<	11	76	589	16	11	3	5	0.14	2.60	0.22	3.89	0.57	0.31	0.03	0.06
0404549	P	0.1	20	16	73	38	<	<	1	<	<	<	9	20	252	<	25	73	484	29	49	2	6	0.10	2.62	0.65	2.86	0.61	0.13	0.04	0.06
0404551	P	0.1	18	16	69	30	<	<	1	<	<	<	10	15	252	<	23	79	453	22	42	2	5	0.13	2.40	0.57	3.00	0.61	0.14	0.05	0.04
0404552	P	<	16	12	75	19	<	<	1	<	<	<	12	23	227	<	29	101	476	17	37	4	5	0.19	2.41	0.54	3.48	0.81	0.10	0.04	0.03
0404554	P	<	17	14	67	41	<	<	1	<	<	<	11	21	289	<	20	84	536	19	31	3	5	0.15	2.44	0.42	3.41	0.62	0.17	0.04	0.06
0404556	P	<	13	13	66	31	<	<	<	<	<	<	12	15	277	<	17	78	724	19	29	3	4	0.15	2.31	0.45	3.26	0.63	0.26	0.03	0.06
0404558	P	<	16	15	73	24	<	<	1	<	<	<	12	16	287	<	20	89	740	19	34	4	5	0.17	2.45	0.50	3.60	0.64	0.23	0.04	0.07
0404559	P	<	19	10	48	26	<	<	1	<	<	<	8	18	173	<	24	70	287	12	25	3	4	0.11	2.20	0.31	2.59	0.49	0.07	0.04	0.03
0404561	P	<	19	14	57	23	<	<	2	<	<	<	10	18	170	<	27	97	349	11	29	5	5	0.17	2.54	0.39	3.31	0.66	0.08	0.04	0.02
0404562	P	<	19	12	74	28	<	<	1	<	<	<	12	18	271	<	30	86	599	19	45	2	6	0.16	2.68	0.67	3.27	0.80	0.16	0.06	0.08
0404564	P	<	16	13	73	31	<	<	<	<	<	<	11	19	289	<	25	80	420	22	37	2	5	0.14	2.61	0.55	3.22	0.71	0.18	0.04	0.07
0404566	P	<	16	18	76	60	<	<	<	<	<	<	13	24	373	<	22	84	1144	30	37	2	6	0.13	2.95	0.53	3.55	0.66	0.18	0.04	0.07
0404568	P	<	11	15	64	40	<	<	<	<	<	<	10	8	335	<	15	77	551	41	32	3	5	0.14	2.54	0.48	3.32	0.55	0.21	0.04	0.07
0404570	P	<	18	11	63	28	<	<	1	<	<	<	12	25	186	<	26	95	463	14	28	2	5	0.15	2.45	0.41	3.39	0.70	0.08	0.04	0.04
0404571	P	<	20	14	63	30	<	<	1	<	<	<	13	25	201	<	25	95	1072	20	20	2	3	0.12	2.19	0.26	3.36	0.47	0.09	0.03	0.04
0404573	P	<	11	15	49	20	<	<	<	<	<	<	8	16	177	<	20	73	456	17	14	1	2	0.11	1.56	0.19	2.80	0.47	0.20	0.03	0.06
0404575	P	<	22	9	62	34	<	<	<	<	<	<	12	32	199	<	31	96	380	16	26	5	5	0.17	2.43	0.44	3.41	0.75	0.12	0.04	0.06
0404578	P	<	24	9	60	44	<	<	1	<	<	<	12	35	325	<	31	101	453	21	47	3	5	0.17	2.54	0.77	3.50	0.71	0.11	0.05	0.05
0404581	P	<	29	10	79	84	<	<	<	<	<	<	16	42	336	<	39	112	514	20	45	10	7	0.25	3.20	0.78	4.23	1.01	0.17	0.06	0.07
0404583	P	<	26	8	82	62	<	<	<	<	<	<	18	31	263	<	37	120	590	15	35	8	7	0.23	3.41	0.68	4.58	0.98	0.17	0.05	0.08
0404585	P	<	18	8	80	214	5	<	1	<	<	<	14	39	249	<	31	128	597	12	32	6	6	0.21	2.89	0.51	4.46	0.81	0.12	0.04	0.04
0404586	P	<	13	11	60	71	<	<	1	<	<	<	10	14	241	<	14	85	620	16	33	2	4	0.18	1.65	0.50	3.31	0.57	0.24	0.05	0.03
0404588	P	<	14	15	64	103	<	<	<	<	<	<	12	23	191	<	20	86	575	14	25	2	4	0.17	1.98	0.43	3.33	0.65	0.20	0.04	0.06
0404590	P	<	16	17	74	131	<	<	<	<	<	<	11	24	254	<	22	78	618	18	23	1	5	0.12	2.43	0.41	3.31	0.65	0.18	0.04	0.08
0404591	P	<	13	10	55	45	<	<	1	<	<	<	9	15	189	<	18	70	389	17	23	1	4	0.12	1.84	0.38	2.67	0.55	0.11	0.04	0.05
0404592	P	<	19	19	73	154	<	<	<	<	<	<	14	32	236	<	26	91	869	20	28	3	6	0.14	2.49	0.43	3.61	0.65	0.13	0.04	0.06
0404593	P	<	17	8	81	45	<	<	<	<	<	<	14	30	188	<	30	115	667	14	27	4	5	0.19	2.39	0.52	4.24	0.94	0.18	0.04	0.07
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99I0878

Client : Northern Analytical Laboratories
Project: WO#05696

440 Samples
440=Pulp

[087812:57:46:99092399]

Out: Sep 22, 1999
In : Sep 15, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404595 P	<	17	16	78	93	6	<	2	<	<	<	14	35	225	<	29	112	641	15	25	5	5	0.18	2.57	0.44	4.12	0.89	0.15	0.03	0.07
0404597 P	<	15	10	38	37	<	<	<	<	<	<	8	19	149	<	19	60	350	11	17	3	3	0.09	1.56	0.24	2.21	0.42	0.05	0.02	0.03
0404599 P	<	16	13	76	120	5	<	1	<	<	<	13	23	161	<	22	115	664	11	21	4	5	0.21	2.23	0.43	4.27	0.85	0.16	0.02	0.07
0404601 P	<	19	12	61	113	7	3	<	<	<	<	11	39	199	<	27	91	442	11	26	4	4	0.15	2.22	0.43	3.31	0.70	0.07	0.02	0.05
0404603 P	<	25	12	63	56	<	<	1	<	<	<	15	32	259	<	31	98	444	12	27	7	5	0.17	2.83	0.43	3.69	0.80	0.09	0.03	0.03
0404605 P	<	15	10	44	28	<	<	1	<	<	<	8	17	138	<	21	74	233	9	19	2	3	0.12	1.69	0.26	2.61	0.47	0.06	0.02	0.02
0404607 P	<	19	18	66	43	<	<	2	<	<	<	13	23	222	<	27	99	517	16	26	4	5	0.17	2.35	0.47	3.79	0.74	0.10	0.03	0.05
0404608 P	<	22	18	65	52	<	<	2	<	<	<	12	25	228	<	27	93	528	14	27	3	5	0.15	2.34	0.45	3.54	0.74	0.09	0.03	0.05
0404610 P	<	17	12	67	46	<	<	1	<	<	<	11	18	277	<	24	82	510	19	27	3	4	0.13	2.17	0.43	3.16	0.67	0.10	0.03	0.05
0404612 P	<	15	11	62	40	<	<	1	<	<	<	9	16	237	<	22	73	363	20	26	3	4	0.12	2.02	0.42	3.02	0.61	0.10	0.02	0.05
0404614 P	<	13	11	55	37	<	<	1	<	<	<	10	17	228	<	19	67	482	14	24	3	4	0.12	2.11	0.36	2.73	0.53	0.12	0.02	0.04
0404616 P	<	12	10	71	42	6	<	<	<	<	<	12	27	267	<	21	84	703	13	31	4	4	0.15	2.13	0.48	3.18	0.62	0.12	0.02	0.04
0404618 P	<	19	10	56	32	<	<	2	<	<	<	11	17	242	<	24	79	482	18	26	2	4	0.10	2.13	0.35	3.08	0.59	0.06	0.02	0.05
0404619 P	0.2	18	25	54	104	<	<	1	<	<	<	8	19	301	<	19	59	426	29	32	2	4	0.07	1.90	0.45	2.60	0.42	0.10	0.02	0.07
0404620 P	<	14	13	72	42	<	<	1	<	<	<	12	13	204	<	15	80	584	11	18	2	4	0.19	2.13	0.30	3.69	0.65	0.27	0.03	0.04
0404622 P	<	28	12	66	45	<	<	1	<	<	<	17	41	201	<	48	105	427	13	37	7	8	0.19	2.77	0.58	3.90	0.95	0.08	0.05	0.03
0404624 P	<	28	11	65	57	<	<	2	<	<	<	16	35	316	<	41	97	537	13	43	6	7	0.18	2.52	0.72	3.75	0.93	0.07	0.05	0.05
0404626 P	<	15	13	73	101	<	<	1	<	<	<	14	17	244	<	21	89	716	17	23	2	4	0.15	2.11	0.42	3.66	0.73	0.20	0.03	0.07
0404628 P	<	10	16	75	157	<	<	1	<	<	<	11	16	171	<	16	90	443	14	15	4	4	0.14	2.31	0.31	3.81	0.75	0.25	0.02	0.06
0404630 P	<	15	9	56	25	<	<	2	<	<	<	11	24	160	<	28	97	312	10	22	4	4	0.14	2.17	0.33	3.60	0.66	0.05	0.02	0.04
0404631 P	<	21	13	67	44	<	<	<	<	<	<	11	28	224	<	27	84	491	13	28	3	4	0.13	2.21	0.41	3.18	0.69	0.09	0.03	0.05
0404633 P	<	15	7	40	25	<	<	1	<	<	<	8	15	136	<	18	68	275	9	19	3	3	0.12	1.48	0.25	2.34	0.39	0.05	0.03	0.02
0404634 P	<	24	11	68	78	8	<	1	<	<	<	13	44	240	<	33	105	427	12	32	5	5	0.17	2.83	0.48	3.81	0.81	0.07	0.03	0.05
0404635 P	<	17	9	68	75	<	<	1	<	<	<	12	30	149	<	26	87	529	9	25	3	4	0.16	2.23	0.46	3.46	0.73	0.15	0.02	0.07
0404636 P	<	20	16	74	80	<	<	1	<	<	<	14	26	222	<	29	101	666	15	29	4	5	0.18	2.60	0.47	3.81	0.78	0.11	0.03	0.05
0404637 P	<	21	11	65	44	<	<	<	<	<	<	12	27	268	<	25	86	638	18	36	2	5	0.12	2.15	0.55	3.30	0.70	0.09	0.03	0.07
0404639 P	<	20	13	69	54	<	<	2	<	<	<	12	25	268	<	27	85	512	17	30	3	5	0.11	2.47	0.47	3.39	0.70	0.10	0.03	0.06
0404641 P	<	20	11	67	44	<	<	1	<	<	<	13	26	229	<	27	91	581	15	34	3	4	0.13	2.29	0.52	3.47	0.71	0.12	0.03	0.05
0404643 P	<	14	16	72	27	<	<	1	<	<	<	12	22	246	<	25	99	655	15	29	3	4	0.15	2.09	0.52	3.95	0.70	0.12	0.03	0.07
0404645 P	<	14	16	55	34	<	<	1	<	<	<	10	20	228	<	21	70	458	13	25	3	4	0.11	2.03	0.38	2.76	0.53	0.06	0.02	0.05
0404647 P	<	14	11	62	83	6	<	<	<	<	<	11	28	249	<	20	70	537	16	22	4	4	0.12	1.83	0.40	3.20	0.67	0.22	0.02	0.07
0404649 P	<	17	14	82	170	<	<	1	<	<	<	16	25	239	<	26	94	624	12	21	6	5	0.17	3.00	0.38	4.24	1.00	0.44	0.03	0.06
0404651 P	<	32	10	72	97	5	<	<	<	<	<	23	76	336	<	73	93	585	17	55	9	9	0.16	2.81	1.14	4.73	1.91	0.06	0.09	0.09
0404653 P	<	19	10	61	37	<	<	1	<	<	<	13	27	244	<	30	96	633	18	29	5	5	0.13	2.64	0.45	3.67	0.75	0.09	0.03	0.03
0404655 P	<	26	18	65	66	<	<	1	<	<	<	17	42	263	<	46	112	388	9	25	11	6	0.15	3.96	0.32	4.08	0.88	0.06	0.02	0.01
0404657 P	<	14	15	84	181	<	<	1	<	<	<	14	14	366	<	16	82	976	24	24	2	6	0.14	2.31	0.51	4.04	0.84	0.40	0.03	0.10
0404658 P	<	14	17	94	225	<	<	2	<	<	<	14	20	431	<	15	85	1100	28	26	3	6	0.15	2.47	0.58	4.35	0.93	0.48	0.03	0.12
0404660 P	<	13	11	63	52	<	<	1	<	<	<	15	18	166	<	23	75	811	14	24	1	4	0.12	1.88	0.40	3.05	0.73	0.11	0.03	0.07
0404662 P	<	17	12	61	89	<	<	1	<	<	<	14	24	215	<	32	86	652	14	25	2	4	0.11	2.11	0.33	3.40	0.78	0.09	0.03	0.05
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0878

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#05696

440 Samples
440=Pulp

[087812:57:46:99092399]

Out: Sep 22, 1999
In : Sep 15, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404664 P	<	17	9	47	36	5	<	<	<	<	<	10	24	173	<	19	65	569	15	22	2	3	0.10	1.57	0.28	2.39	0.46	0.08	0.02	0.05
0404667 P	<	19	27	84	29	<	<	1	<	<	<	15	28	235	<	25	105	744	14	26	5	5	0.20	2.64	0.46	4.14	0.95	0.17	0.03	0.06
0404669 P	<	19	19	70	46	<	<	2	<	<	<	12	24	218	<	28	104	467	13	30	5	4	0.17	2.11	0.41	3.52	0.70	0.08	0.02	0.03
0404670 P	<	21	30	75	76	<	<	2	<	<	<	11	24	269	<	30	94	443	13	33	4	5	0.15	2.71	0.46	3.38	0.72	0.09	0.03	0.03
0404671 P	<	20	27	68	66	<	<	2	<	<	<	11	20	248	<	28	86	451	12	32	4	4	0.13	2.50	0.44	3.12	0.66	0.08	0.03	0.03
0404672 P	<	24	15	71	54	<	<	2	<	<	<	13	25	272	<	31	93	537	16	30	4	5	0.15	2.57	0.47	3.66	0.78	0.10	0.03	0.05
0404673 P	<	19	16	64	38	<	<	2	<	<	<	12	27	217	<	26	86	566	14	29	3	4	0.13	2.12	0.44	3.29	0.67	0.08	0.02	0.04
0404675 P	<	19	13	59	34	<	<	1	<	<	<	9	23	254	<	27	76	292	16	27	3	4	0.11	2.38	0.41	2.84	0.69	0.06	0.03	0.04
0404679 P	<	17	10	40	23	<	<	1	<	<	<	8	17	172	<	20	63	313	16	25	3	3	0.09	1.75	0.33	2.34	0.39	0.04	0.03	0.04
0404681 P	<	22	21	66	76	<	<	2	<	<	<	15	27	228	<	33	98	402	14	18	9	5	0.14	3.65	0.26	4.04	0.71	0.07	0.04	0.04
0404683 P	<	17	13	63	166	6	<	<	<	<	<	10	29	145	<	25	86	401	12	29	4	4	0.12	2.12	0.49	3.44	0.65	0.08	0.02	0.03
0404685 P	<	17	12	56	61	7	<	<	<	<	<	10	31	379	<	24	76	566	16	30	2	4	0.07	1.98	0.45	3.30	0.53	0.11	0.02	0.07
0404689 P	<	19	12	71	40	<	<	2	<	<	<	15	23	227	<	25	99	543	8	18	5	5	0.17	3.15	0.23	4.04	0.86	0.28	0.02	0.03
0404690 P	<	19	11	63	25	<	<	1	<	<	<	14	19	214	<	24	93	472	6	18	4	4	0.15	2.85	0.22	3.69	0.76	0.22	0.03	0.03
0404692 P	<	23	14	67	34	<	<	1	<	<	<	15	34	281	<	34	104	432	15	31	5	5	0.16	3.10	0.41	4.03	0.83	0.10	0.03	0.04
0404694 P	<	15	10	55	44	5	<	1	<	<	<	9	21	206	<	20	69	512	14	30	2	3	0.09	1.75	0.44	2.79	0.54	0.10	0.02	0.05
0404696 P	<	16	14	68	69	7	<	<	<	<	<	15	31	256	<	23	87	1389	17	32	3	5	0.15	2.16	0.56	3.47	0.69	0.13	0.03	0.06
0404698 P	<	18	11	76	72	<	<	1	<	<	<	13	26	291	<	22	78	977	22	35	2	4	0.14	2.29	0.56	3.23	0.77	0.15	0.03	0.07
0404700 P	<	18	11	61	45	<	<	1	<	<	<	11	16	220	<	23	77	659	16	27	2	4	0.12	2.01	0.42	3.03	0.62	0.08	0.03	0.05
0404702 P	<	17	10	67	57	<	<	2	<	<	<	11	16	237	<	20	80	635	19	30	2	4	0.13	1.97	0.50	3.25	0.67	0.12	0.03	0.06
0404703 P	<	20	8	50	31	<	<	1	<	<	<	8	20	186	<	17	58	586	16	25	2	2	0.09	1.36	0.37	2.21	0.40	0.08	0.03	0.05
0404704 P	<	20	16	53	35	<	<	2	<	<	<	9	17	203	<	23	75	332	17	29	3	3	0.11	1.90	0.44	2.85	0.57	0.08	0.03	0.05
0404706 P	<	18	15	68	37	<	<	1	<	<	<	12	19	193	<	27	84	517	13	29	3	4	0.13	2.23	0.46	3.22	0.69	0.06	0.03	0.05
0404708 P	<	23	17	72	56	<	<	2	<	<	<	13	24	261	<	29	91	689	19	40	3	5	0.14	2.51	0.61	3.53	0.74	0.09	0.03	0.06
0404709 P	<	18	10	63	21	<	<	1	<	<	<	12	22	194	<	27	86	485	12	30	3	4	0.13	2.22	0.46	3.14	0.69	0.06	0.03	0.06
0404710 P	<	22	11	71	39	5	<	<	<	<	<	13	35	221	<	30	93	556	14	34	3	5	0.14	2.51	0.51	3.41	0.75	0.07	0.03	0.06
0404712 P	<	30	14	72	44	<	<	1	<	<	<	20	28	321	<	32	91	1277	25	44	3	5	0.10	2.82	0.61	3.67	0.65	0.11	0.03	0.09
0404719 P	<	13	16	67	22	<	<	2	<	<	<	11	13	243	<	18	71	667	23	43	4	5	0.15	2.11	0.73	3.01	0.66	0.21	0.03	0.06
0404720 P	0.1	15	14	50	24	<	<	2	<	<	<	14	17	284	<	17	64	2489	37	58	3	4	0.09	1.63	0.87	3.04	0.43	0.11	0.03	0.09
0404730 P	<	15	14	48	75	6	<	1	<	<	<	7	22	171	<	19	76	296	11	21	3	3	0.10	1.99	0.30	2.65	0.41	0.08	0.02	0.04
0404734 P	<	17	15	60	19	<	<	1	<	<	<	9	16	183	<	22	69	295	10	27	3	3	0.12	1.87	0.43	2.66	0.57	0.09	0.03	0.06
0404740 P	<	9	7	28	14	<	<	1	<	<	<	5	10	119	<	14	76	146	9	16	2	2	0.11	1.19	0.19	2.06	0.27	0.03	0.03	0.02
0404743 P	<	13	15	42	14	<	<	1	<	<	<	6	10	125	<	13	36	221	11	19	2	2	0.10	1.30	0.28	1.71	0.42	0.15	0.03	0.06
0404747 P	<	19	15	63	149	<	<	1	<	<	<	11	20	288	<	23	83	545	14	30	4	5	0.12	2.43	0.49	3.46	0.64	0.12	0.03	0.05
0404749 P	<	18	11	51	59	<	<	1	<	<	<	9	15	108	<	20	90	246	7	16	5	3	0.13	2.24	0.22	3.29	0.44	0.05	0.03	0.02
0404751 P	<	12	8	49	45	<	<	2	<	<	<	8	13	154	<	21	77	214	7	19	3	3	0.13	1.95	0.28	2.75	0.49	0.05	0.03	0.03
0404752 P	<	27	19	73	165	<	<	<	<	<	<	11	30	535	<	26	79	425	24	59	4	5	0.12	2.41	0.86	3.34	0.66	0.11	0.03	0.06
0404754 P	0.1	22	16	66	170	6	<	<	<	<	<	9	26	352	<	22	69	360	18	37	3	4	0.11	2.04	0.54	2.97	0.55	0.09	0.03	0.07
0404755 P	<	12	11	60	128	8	<	<	<	<	<	9	29	231	<	15	70	653	14	20	2	3	0.10	1.53	0.36	2.81	0.51	0.17	0.03	0.08
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99I0878

Vancouver, B
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: WO#05696

440 Samples
440=Pulp

[087812:57:46:99092399]

Out: Sep 22, 1999
In : Sep 15, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0404757	P	<	18	21	72	132	<	<	2	<	<	<	11	16	238	<	19	87	501	15	23	2	4	0.16	1.97	0.43	3.39	0.71	0.22	0.03	0.06
0404759	P	<	17	13	66	77	<	<	1	<	<	<	13	16	326	<	19	77	900	19	34	2	4	0.13	1.88	0.54	3.09	0.58	0.18	0.03	0.07
0404761	P	<	18	15	38	37	<	<	1	<	<	<	8	13	286	<	15	42	493	22	33	1	2	0.06	1.39	0.44	1.85	0.29	0.06	0.03	0.08
0404763	P	<	24	11	57	90	<	<	1	<	<	<	15	39	144	<	34	107	393	11	22	5	5	0.15	3.52	0.32	4.13	0.66	0.07	0.03	0.03
0404765	P	0.3	24	17	56	264	<	<	1	<	<	<	12	16	277	<	28	82	653	28	36	3	5	0.09	2.86	0.46	3.35	0.51	0.09	0.04	0.07
0404766	P	0.3	29	18	58	340	<	<	2	<	<	<	20	22	326	<	29	92	1533	31	45	2	6	0.10	2.89	0.56	3.73	0.50	0.09	0.04	0.07
0404768	P	<	16	14	69	48	<	<	2	<	<	<	12	15	275	<	20	87	982	18	32	2	5	0.13	1.89	0.49	3.31	0.58	0.16	0.04	0.05
0404772	P	0.3	45	11	40	112	<	<	1	<	<	<	8	20	275	<	25	60	340	42	39	2	4	0.06	2.32	0.46	2.70	0.37	0.06	0.04	0.10
0404774	P	<	27	24	73	56	<	<	1	<	<	<	14	25	286	<	33	100	655	19	36	3	5	0.16	2.80	0.52	3.73	0.76	0.08	0.04	0.06
0404778	P	<	24	13	63	50	<	<	1	<	<	<	12	19	238	<	30	87	462	16	33	4	5	0.15	2.56	0.48	3.22	0.69	0.09	0.04	0.06
0404780	P	<	22	13	62	70	6	<	2	<	<	<	12	28	239	<	29	86	424	16	28	4	5	0.14	2.51	0.41	3.21	0.68	0.07	0.03	0.06
0404784	P	<	16	12	54	29	<	<	<	<	<	<	8	17	191	<	21	61	303	15	33	2	3	0.11	1.72	0.49	2.52	0.59	0.10	0.03	0.07
0404786	P	<	13	14	48	82	<	<	<	<	<	<	8	11	200	<	13	41	579	23	26	1	3	0.08	1.37	0.40	2.01	0.40	0.16	0.03	0.08
0404787	P	<	21	12	64	35	<	<	1	<	<	<	12	17	293	<	28	87	596	16	36	3	5	0.12	2.28	0.56	3.35	0.67	0.08	0.03	0.06
0404788	P	<	26	18	72	41	<	<	2	<	<	<	13	29	329	<	32	98	653	23	37	3	6	0.12	2.85	0.52	3.68	0.72	0.08	0.03	0.07
0404789	P	<	28	17	77	44	<	<	2	<	<	<	13	28	325	<	36	103	506	19	44	4	6	0.16	3.19	0.61	3.80	0.81	0.09	0.04	0.07
0404791	P	<	19	12	62	38	<	<	<	<	<	<	10	17	260	<	29	89	307	18	36	3	5	0.15	2.50	0.53	2.94	0.69	0.09	0.04	0.06
0404792	P	<	21	13	69	53	<	<	2	<	<	<	12	22	326	<	30	94	452	21	34	2	6	0.14	2.79	0.50	3.54	0.73	0.09	0.04	0.05
0404794	P	<	23	15	64	38	<	<	1	<	<	<	11	21	239	<	31	97	406	14	32	4	5	0.16	2.64	0.47	3.39	0.71	0.08	0.04	0.04
0404795	P	<	20	14	46	20	<	<	1	<	<	<	12	15	224	<	20	70	493	17	27	2	3	0.12	1.74	0.40	2.56	0.49	0.09	0.04	0.06
0404796	P	<	20	12	61	29	<	<	2	<	<	<	11	18	184	<	26	86	534	10	25	3	4	0.14	2.15	0.37	3.14	0.63	0.08	0.03	0.05
0404797	P	<	15	13	48	23	<	<	2	<	<	<	8	12	168	<	19	59	291	12	24	2	3	0.11	1.61	0.32	2.21	0.48	0.08	0.03	0.04

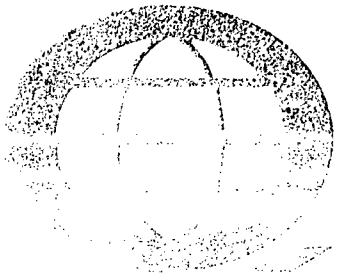
Appendix 7

Quantec Logistical Report

Quantec IP Inc.
P.O. Box 580, 101 King Street
Porcupine, ON P0N 1C0
Phone (705) 235-2166
Fax (705) 235-2255

Quantec IP Incorporated

Geophysical Survey Logistical Report



Regarding the GRADIENT-REALSECTION ™ TDIP\RESISTIVITY SURVEY at the LONGLINE PROJECT, near Beaver Creek, Yukon, on behalf of BARRAMUNDI GOLD LTD., Vancouver, BC

QIP QIP QIP QIP QIP

CSawyer
JMLegault
CWilliston
July, 1999
Project P-255

TABLE OF CONTENTS

1. INTRODUCTION 3

2. GENERAL SURVEY DETAILS 4

2.1 LOCATION 4
2.2 ACCESS 5
2.3 SURVEY GRID 5

3. SURVEY WORK UNDERTAKEN 6

3.1 GENERALITIES 6
3.2 PERSONNEL 6
3.3 SURVEY SPECIFICATIONS 6
3.4 SURVEY COVERAGE 7
3.5 INSTRUMENTATION 9
3.6 PARAMETERS 9
3.7 MEASUREMENT ACCURACY AND REPEATABILITY 9
3.8 DATA PRESENTATION 10

LIST OF APPENDICES

APPENDIX A: STATEMENT OF QUALIFICATIONS
APPENDIX B: THEORETICAL BASIS AND SURVEY PROCEDURES
APPENDIX C: PRODUCTION LOG
APPENDIX D: INSTRUMENT SPECIFICATIONS
APPENDIX E: OPERATOR COMMENTS
APPENDIX F: LIST OF MAPS
APPENDIX G: MAPS AND SECTIONS

LIST OF TABLES AND FIGURES

Figure 1: General Location of the Longline Project. 4
Figure 2: Gradient Array Layout. 7
Table I: Reconnaissance TDIP Survey Coverage. 7
Table II: Realsection Survey Coverage. 8
Table III: Decay Curve Sampling (QIP custom windows) 9

1. INTRODUCTION

- **QIP Project No:** P-255
- **Project Name:** Longline Project
- **Survey Period:** June 4TH to July 8TH, 1999
- **Survey Type:** Gradient-Realsection® Time Domain Induced Polarization
- **Client:** BARRAMUNDI GOLD LTD.
- **Client Address** 595 Howe Street, Suite 204
  Vancouver, British Columbia
  V6C 2T5
- **Representatives:** Bob Burban and Sandy Sears
- **Objectives:**

  1. The primary objective is the indirect detection of target areas that are generally characterized as disseminated (to potentially massive) sulphides located at depths up to 300m.
  2. Increase the drill program efficiency by targeting detected controls on potentially anomalous structures
  3. Provide reconnaissance resistivity mapping of the base grid to support lithological mapping and structural interpretation.
  4. Document the physical properties of the major lithologic units and alteration patterns for compilation with the exploration database.
  5. Geophysically determine if there is continuity at deptn associated with the anomalous sheeted quartz-gold veins.

- **Report Type:** Logistical Report

2. GENERAL SURVEY DETAILS

2.1 LOCATION

- **General Survey Location:** 140km southwest of Dawson City and 60km north of Beaver Creek at the Yukon-Alaska border
- **Province or Territory:** Yukon Territory
- **Country:** Canada
- **Nearest Settlement:** Beaver Creek
- **NTS Reference #:** 115N/02

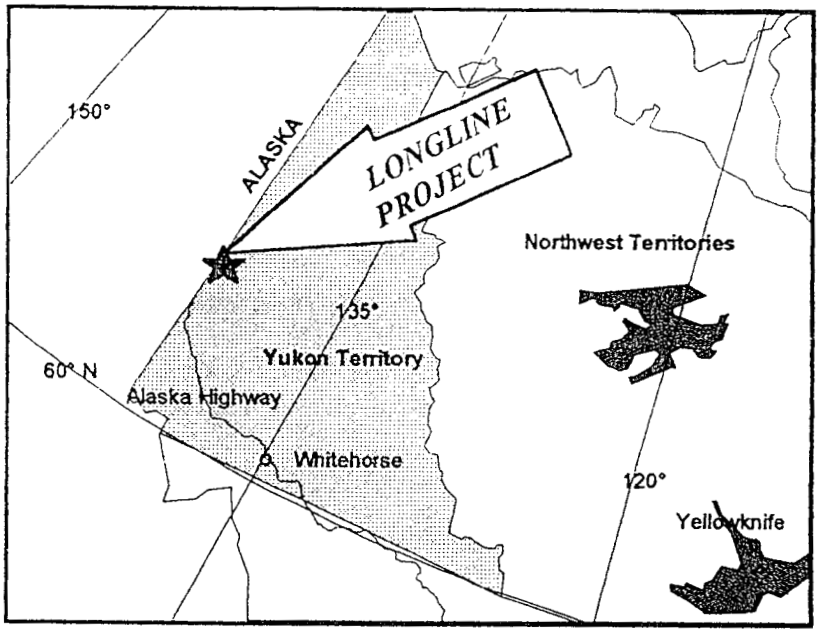


Figure 1: General Location of the Longline Project.

2.2 Access

- **Base of Operations:** Longline Camp: GPS: N63°01'48.2" W140°58'14.4"
- **Mode of Access:** approx. 2 hour flight by Cessna 172 North-West of Whitehorse. Camp located on grid.

2.3 Survey Grid

- **Coordinate Reference System:** Local exploration grid
- **Established:** prior to survey execution
- **Line Direction:** N-090° (E-W lines)
- **Line Separation:** 100 metres
- **Station Interval:** 20 metres
- **Method of Chaining:** Metric, secant-chained

3. SURVEY WORK UNDERTAKEN

3.1 GENERALITIES

- **Survey Dates:** June 4TH to July 8TH, 1999
- **Survey Period:** 35 days
- **Survey Days (read time):** 32 days
- **Mob/Demob Days:** 3 days
- **Survey Coverage:** 87.62 km (incl. reconnaissance, detail and overlap)

3.2 PERSONNEL

- **Project Supervisor:** Kevin Blackshaw, Owen Sound, ON
- **Project Manager:** Chris Sawyer, Mississauga. ON
- **Geophysical Operator:** Tyler Raleigh, Oakville, ON
- **Field Assistants:** up to 4 field personnel provided by Barramundi Gold Ltd.

3.3 SURVEY SPECIFICATIONS

- **Array:** Multiple Gradient (see Figure 2)
- **AB (Tx dipole spacing)** up to 1100 metres
- **MN (Rx dipole spacing):** 20 metres + 10 metres detail
- **Sampling Interval:** 20 metres + 10 metres (@300+700mAB)
- **Total Gradient Blocks:** 15 (labeled A to O) over 31 lines
- **Total # Realsections:** 16 (lines with multiple detailed ABs)
- **Approximate Arial Coverage:** approx. 0.5km^2

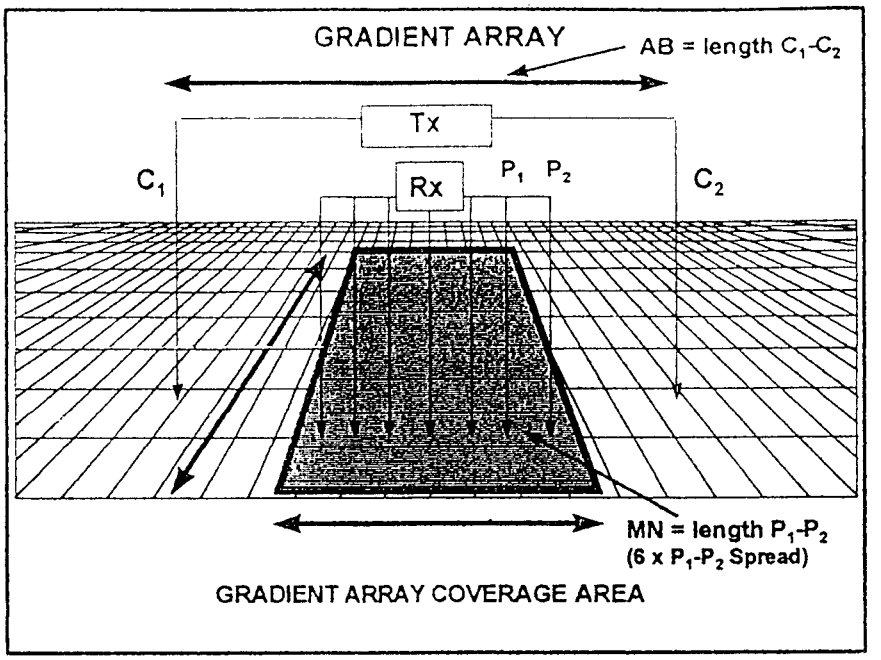


Figure 2: Gradient Array Layout.

3.4 Survey Coverage

1. **Reconnaissance IP:** 52.72 km not including overlaps (see Table I)
2. **Realsection® Detail follow-up:** 24.58 km including overlaps (see Table II)

LINE	WESTERN EXTENT	EASTERN EXTENT	TOTAL (m)
1500S	740W	740E	1480
1400S	740W	740E	1480
1300S	740W	740E	1480
1200S	740W	740E	1480
1100S	740W	740E	1480
1000S	740W	740E	1480
900S	740W	740E	1480
800S	740W	740E	1480
700S	740W	740E	1480
600S	740W	740E	1480
500S	740W	740E	1480
400S	740W	1500E	2240
300S	740W	740E	1480
200S	740W	1500E	2240
100S	740W	740E	1480
0N	740W	1500E	2240
100N	740W	740E	1480
200N	740W	1500E	2240
300N	740W	740E	1480

Table I: Reconnaissance TDIP Survey Coverage.

LINE	WESTERN EXTENT	EASTERN EXTENT	TOTAL (m)
400N	740W	1500E	2240
500N	740W	740E	1480
600N	740W	1500E	2240
700N	740W	740E	1480
800N	740W	1500E	2240
900N	740W	740E	1480
1000N	740W	1500E	2240
1100N	740W	740E	1480
1200N	740W	1500E	2240
1300N	740W	740E	1480
1400N	740W	740E	1480
1500N	740W	740E	1480
		TOTAL	52720

Table I (cont): Reconnaissance TDIP Survey Coverage.

LINE	# REALSECTION DEPTH SLICES	WESTERN EXTENT	EASTERN EXTENT	TOTAL (m)l
1100N	1	180E	720E	540
1000N	2	160E	700E	920
900N	2	180E	720E	960
800N	1	160E	700E	540
700N	2	160E	700E	960
600N	2	700W 160E	160W 700E	1520
500N	2	700W 160E	160W 700E	1300
400N	2	700W 160E	160W 700E	1960
300N	2	700W 160E	160W 700E	1520
200N	2	700W 160E	160W 700E	1300
100N	2	720W 160E	160W 700E	1920
0N	2	160E	700E	980
100S	1	160E	700E	540
200S	2	160E	700E	980
300S	2	160E	700E	980
500S	1	130E	670E	540
600S	2	130E	700E	1050
700S	2	130E	700E	1020
800S	1	610W 110E	130W 650E	1020
900S	2	980W 110E	140W 650E	2000
1000S	2	680W 110E	140W 680E	2030
			TOTAL	24580

Table II: Realsection Survey Coverage.

3.5 INSTRUMENTATION

- **Receiver:** Iris 6 (time domain / 6 channels) + 10 (10 channels)
- **Transmitter:** Phoenix IPT-1 (2.5 kW / 75 to 1200V output)
- **Power Supply:** MG-2 (400Hz / 3phase @ 110V) + Honda Gx-160 (5.5Hp)

3.6 PARAMETERS

- **Input Waveform:** 0.125 Hz square wave at 50% duty cycle (2 seconds On/Off)
- **Receiver Sampling Parameters:** Quantec custom programmable windows (see Table III)
- **Measured Parameters:**

  1) Chargeability in millivolts/Volt. Total Chargeability is calculated over an integration period of 40 to 1770ms (QIP windows).[1]

  2) Primary Voltage in millivolts and Input Current in amperes for Resistivity calculation according to the gradient array geometry factor (Appendix C).

Slice	Duration (msec)	Start (msec)	End (msec)	Mid-Point (msec)
Td	40	0	40	
T_1	20	40	60	50
T_2	30	60	90	75
T_3	30	90	120	105
T_4	30	120	150	135
T_5	180	150	330	240
T_6	180	330	510	420
T_7	180	510	690	600
T_8	360	690	1050	870
T_9	360	1050	1410	1230
T_{10}	360	1410	1770	1590
Total T_p	**1770**			

Table III: Decay Curve Sampling (QIP custom windows)

3.7 MEASUREMENT ACCURACY AND REPEATABILITY

- **Chargeability:** generally< ± 0.2 mV/V but acceptable to ±0.5 mV/V.
- **Resistivity:** less than 5% cumulative error from Primary voltage and Input current measurements.

[1] Note: ELREC-6 arithmetic windows also used - see Appendix E

3.8 DATA PRESENTATION

- **Maps:**

  Reconnaissance Coverage: Posted contoured plan maps of Total Chargeability, and Apparent Resistivity compiled from all Gradient AB Blocks, 1100m + 700m AB, 1:10000 scale (4 plans)

  "Realsection" Detail follow-up: Posted/contoured depth section maps of Total Chargeability and Apparent Resistivity (for lines having more than one detailed depth-levels) at 1:2500 scale (16 sections)

- **Digital:**

  Raw data: Iris IP-6 digital dump file (Appendix D).

  Processed data: Geosoft .XYZ format.

  using the following format:

  Column 1 = Station/Line (X Position), in meters
  Column 2 = Station/Line (Y Position), in meters
  Column 3 = Total Chargeability, in mV/V
  Column 4 = Apparent Resistivity, in Ω-m
  Column >5 = TDIP Spectral Estimates, derived using IPREDC™

RESPECTFULLY SUBMITTED
QUANTEC IP INC.

for CS

Chris Sawyer
Geophysicist – QIP

Jean M. Legault, P.Eng.
Dir. Technical Service – QTS

Christine Williston
Staff Geophysicist – QTS

Kevin Blackshaw
Operations Manager, QIP

Porcupine, ON

Appendix 8

Trench Sample Descriptions

SAMPLE#	TRENCH	VEIN	Type	DESCRIPTION	Au g/t	Ag g/t
403701	TR-1	V2	channel	V2 vein (34 cm)	7.09	13.8
403702	TR-1	V2	channel	FW alt'n to 403701 (52 cm)	0.46	1.0
403703	TR-1	V2	channel	HW alt'n to 403701 (90 cm)	0.29	0.1
403704	TR-1	V2	channel	HW alt'n to 403705 (30 cm)	0.20	1.6
403705	TR-1	V2	channel	V2 vein upper limb (28 cm)	4.40	7.3
403706	TR-1	V2	channel	FW alt'n to 403705 (40 cm)	0.33	0.1
403707	TR-1	V2	channel	V2 vein lower limb (79 cm)	3.67	2.9
403708	TR-1	V2	channel	FW alt'n to 403707 (50 cm)	0.75	1.2
403709	TR-1	V2	grab	clay zone directly above V2	5.67	9.9
403710	TR-1	V2	grab	Strong Fe oxd granodiorite	0.80	1.5
403711	TR-1	V2	grab	V2 upper limb; geological sample	1.57	4.7
403712	TR-1	V2	grab	Clay band directly above V2 lower limb	170.62	43.8
403713	TR-2	V2	grab	silicified & veined GD btwn V2 limbs	1.90	2.8
403714	TR-2	V2	grab	clay rich mat'l dir below V2	150.72	30.1
403715	TR-2	V2	channel	V2 vein (35 cm)	180.35	39.9
403716	TR-2	V2	channel	FW alt'n to 403715 (12 cm)	2.89	0.1
403717	TR-2	V2	channel	HW alt'n alt'n to 403718 (25 cm)	0.23	0.1
403718	TR-2	V2	channel	V2 vein (35 cm)	1.47	3.4
403719	TR-3	V2	channel	clay rich mat'l above V2 403720	0.28	1.9
403720	TR-3	V2	channel	V2 vein (20 cm)	12.87	11.6
403721	TR-3	V2	grab	Strong Fe oxd granodiorite	1.42	2.6
403722	TR-3	V2	channel	HW alt'n near 403723 (85 cm)	1.65	1.6
403723	TR-3	V2	channel	V2 vein (16 cm)	37.32	52.7
403724	TR-4	V2	channel	V2 vein (59 cm)	0.47	3.1
403725	TR-4	V2	channel	HW alt'n near 403724 (55 cm)	0.58	1.9
403726	TR-4	V2	grab	clay rich mat'l directly above V2	0.52	1.8
403727	TR-4	V2	channel	FW alt'n near 403724 (48 cm)	0.01	0.1
403728	TR-6	V2	channel	V2 vein (112 cm)	82.52	72.7
403729	TR-6	V2	channel	V2 vein (45 cm)	1.52	5.1
403730	TR-6	V2	channel	Clay alt'n and FW alt'n to 403728	0.25	1.9
403731	TR-5	V2	channel	V2 vein (40 cm)	0.82	6.6
403732	TR-5	V2	grab	V2 vein (20 cm)	61.00	31.7
403733	TR-5	V2	channel	clay alt'n below sample 403731 (15 cm)	0.30	2.6
403734	TR-5	V2	channel	FW alt'n to 403733 (45 cm)	0.89	2.3
403735	TR-5	V2	channel	V2 vein upper limb (70 cm)	0.07	0.1
403736	TR-5	V2	channel	V2 vein lower limb (25 cm)	0.32	2.5
403737	TR-5	V2	grab	clay rich alt'n below 403735 (50 cm)	0.84	2.6
403738	TR-3	V2	grab	V2 geological sample (50 cm)	12.10	35.1
403739	TR-7	V2	channel	V2 vein (55 cm)	6.48	284.0
403740	TR-7	V2	channel	V2 vein (35 cm)	240.26	419.0
403741	TR-7	V2	channel	FW alt'n to 403740 (45 cm)	2.25	17.0
403742	TR-7(SE)	V2	grab	V2 vein 100 cm chip along vein	11.10	30.8
403743	TR-7(SE)	V2	grab	V2 vein 100 cm chip along vein	2.56	39.9
403744	Pit	V2	grab	Swede's ore bin	9.12	138.4
403745	Pit	V2	grab	V2 rubble pile above TR-6	2.14	16.1
403746	Pit	V2	grab	V2 rubble pile above TR-5	1.38	15.2
403747	Pit	V2	grab	V2 rubble pile above TR-5	0.71	42.6
403748	TR-10	V1	grab	Alt'd GD /c "gold paint" on slip surface	0.44	4.7

SAMPLE#	TRENCH	VEIN	Type	DESCRIPTION	Au g/t	Ag g/t
403751	TR-8A	V3	grab	V3 vein (11 cm)	44.55	10.2
403752	TR-8A	V3	channel	V3 vein (18 cm)	9.08	46.3
403753	TR-8A	V3	channel	HW alt'n to 403752 (40 cm)	0.78	1.9
403754	TR-8A	V3	grab	V3 vein (4 cm)	3.45	4.4
403755	TR-8A	V3	channel	FW alt'n to 403752 (10 cm)	0.66	1.5
403756	TR-8B	V3	channel	V3 vein (11 cm)	170.75	103.8
403757	TR-8B	V3	channel	V3 vein (18 cm)	2.22	19.3
403758	TR-8B	V3	channel	FW alt'n to 403756 (15 cm)	2.52	1.1
403759	TR-8B	V3	channel	HW alt'n to 403756 (50 cm)	0.77	1.3
403760	TR-8B	V3	channel	FW alt'n near 403757 (7 cm)	1.43	1.4
403761	TR-8B	V3	grab	thin qz stringer 45 cm above V3	0.75	1.0
403762	TR-8B	V3	channel	HW alt'n near 403757 (25 cm)	1.29	1.8
403763	TR-8C	V3	channel	V3 vein (22 cm)	52.49	26.4
403764	TR-8C	V3	channel	FW alt'n to 403763 (15 cm)	0.58	1.1
403765	TR-8C	V3	channel	HW alt'n to 403763 (20 cm)	1.68	1.1
403766	TR-8C	V3	channel	V3 vein (22 cm)	145.70	20.2
403767	TR-8C	V3	channel	FW alt'n to 403766 (20 cm)	2.89	3.3
403768	TR-8C	V3	channel	HW alt'n to 403766 (45 cm)	2.82	2.0
403769	TR-8D	V3	grab	V3 / mafic dyke contact zone	0.06	1.4
403770	TR-8D	V3	grab	weathered mafic dyke	0.01	0.1
403771	TR-8D	V3	channel	V3 vein (29 cm)	199.75	111.2
403772	TR-8D	V3	channel	FW alt'n to 403771 (15 cm)	20.85	1.0
403773	TR-8D	V3	channel	HW alt'n to 403771 (15 cm)	0.13	1.4
403774	TR-8E	V3	channel	V3 vein (17 cm)	50.36	22.9
403775	TR-8E	V3	channel	HW alt'n to 403774 (25 cm)	1.30	1.3
403776	TR-8E	V3	channel	FW alt'n to 403774 (10 cm)	0.37	0.1
403777	TR-8E	V3	grab	thin qz stringer 30 cm above V3	1.11	1.4
403778	TR-8F	V3	channel	V3 vein (32 cm)	1.17	52.3
403779	TR-8F	V3	channel	FW alt'n to 403778 (15 cm)	3.30	1.9
403780	TR-8F	V3	channel	HW alt'n to 403778 (30 cm)	0.63	5.1
403781	TR-8F	V3	channel	V3 vein (28 cm)	1.01	1.2
403782	TR-8F	V3	channel	FW alt'n to 403781 (12 cm)	0.13	0.1
403783	TR-8F	V3	channel	HW alt'n to 403781 (10 cm)	1.04	2.3
403784	TR-8G	V3	channel	HW alt'n to 403785; few qz stgrs (45 cm	1.68	2.5
403785	TR-8G	V3	channel	V3 vein (10 cm)	75.30	34.2
403786	TR-8G	V3	channel	FW alt'n to 403785 (10 cm)	0.41	0.1
403787	TR-8G	V3	grab	silicification directly above V3	3.28	4.0
403788	TR-8G	V3	grab	FW alt'n; strong oxd (2 cm)	4.66	3.3
403789	STD	x	p	BAM "high" standard	4.59	20.0
403790	TR-8H	V3	channel	HW alt'n to 403791 (55 cm)	1.51	3.0
403791	TR-8H	V3	channel	V3 vein upper limb (18 cm)	5.40	0.1
403792	TR-8H	V3	channel	Alt'd GD between 2 limbs (25 cm)	1.39	3.2
403793	TR-8H	V3	channel	V3 vein lower limb (15 cm)	1.56	4.0
403794	TR-8H	V3	channel	FW alt'n to 403793 (25 cm)	1.25	2.2
403795	TR-8H	V3	channel	HW alt'n to 403796 (55 cm)	0.10	0.1
403796	TR-8H	V3	channel	V3 vein upper limb (13 cm)	3.10	68.1
403797	TR-8H	V3	channel	Alt'd GD between 2 limbs (30 cm)	0.87	2.1
403798	TR-8H	V3	channel	V3 vein lower limb (12 cm)	9.14	8.4

SAMPLE#	TRENCH	VEIN	Type	DESCRIPTION	Au g/t	Ag g/t
403799	TR-8H	V3	channel	FW alt'n to 403798 (50 cm)	1.99	2.2
403800	TR-8H	V3	grab	1-2 cm vein 1.5 m above lower limb	0.10	0.1
403801	TR-8I	V3	channel	HW alt'n to 403802 (65 cm)	0.07	1.0
403802	TR-8I	V3	channel	V3 vein (55 cm)	58.43	68.2
403803	TR-8I	V3	channel	FW alt'n to 403802 (13 cm)	1.06	2.2
403804	TR-8I	V3	channel	HW alt'n to 403805 (85 cm)	0.22	0.1
403805	TR-8I	V3	channel	V3 vein (36 cm)	1.64	4.4
403806	TR-8I	V3	channel	FW alt'n to 403805 (40 cm)	0.38	1.6
403807	TR-8J	V3	grab	Sericitized GD from trench floor	0.97	2.2
403808	TR-8J	V3	channel	FW alt'n to 403809 (55 cm)	0.35	2.3
403809	TR-8J	V3	channel	V3 vein (30 cm)	24.41	17.6
403810	TR-8J	V3	channel	HW alt'n to 403809 (30 cm)	0.16	1.0
403811	TR-8J	V3	channel	FW alt'n to 403812 (20 cm)	0.60	1.1
403812	TR-8J	V3	channel	V3 vein (30 cm)	72.38	100.1
403813	TR-8J	V3	channel	HW alt'n to 403812 (55 cm)	0.72	1.7
403814	TR-8K	V3	channel	HW alt'n to 403815 (35 cm)	1.91	4.2
403815	TR-8K	V3	channel	V3 vein (17 cm)	147.52	92.7
403816	TR-8K	V3	channel	FW alt'n to 403815 (15 cm)	1.13	1.4
403817	TR-9A	V2	grab	QV above V2 (5 cm)	2.17	15.0
403818	TR-9A	V2	channel	V2 vein (25 cm)	0.45	0.1
403819	TR-9A	V2	channel	FW alt'n to 403818 (75 cm)	0.22	0.1
403820	TR-9A	V2	channel	HW alt'n to 403817 and 403818 (50 cm)	0.23	0.1
403821	TR-9A	V2	channel	distal HW alt'n to 403824 (60 cm)	0.19	0.1
403822	TR-9A	V2	channel	proximal HW alt'n to 403824 (20 cm)	0.63	2.2
403823	TR-9A	V2	grab	Oxd GD with 3 cm stringer (35 cm)	0.43	0.1
403824	TR-9A	V2	channel	V2 vein (12 cm)	21.76	8.7
403825	TR-9A	V2	channel	FW alt'n to 403824 (10 cm)	1.00	2.0
403826	TR-9B	V2	grab	2-3 cm qz stgr with alt'n halo (20 cm)	0.28	0.1
403827	TR-9B	V2	grab	2-3 cm qz stgr with alt'n halo	0.38	0.1
403828	TR-9B	V2	grab	2-3 cm qz stgr with alt'n halo	0.10	0.1
403829	TR-9B	V2	channel	V2 vein (13 cm)	0.45	1.7
403830	TR-9B	V2	channel	HW alt'n to 403829 (20 cm)	0.17	0.1
403831	TR-10A	V1	grab	Qz stringer	0.17	37.6
403832	TR-10A	V1	channel	Qz vein (7cm)	8.67	37.0
403833	TR-10A	V1	channel	V1 vein (25 cm)	0.80	12.1
403834	TR-10A	V1	channel	Alt'n btwn 403831 and 403832 (20 cm)	0.41	0.1
403835	TR-10A	V1	channel	V1 vein (9 cm)	0.38	0.1
403836	TR-10B	V1	channel	V1 vein (15 cm)	1.37	7.2
403837	TR-10B	V1	channel	FW alt'n (80 cm)	0.13	1.3
403838	TR-10B	V1	channel	V1 vein (30 cm)	0.90	8.9
403839	TR-10B	V1	channel	HW alt'n to 403836 (50 cm)	0.38	1.6
403840	TR-10B	V1	grab	Qz stringer	0.13	0.1
403841	TR-10B	V1	channel	FW alt'n to 403838 (70 cm)	0.34	0.1
403842	TR-10C	V1	channel	HW alt'n to V1 upper limb (50 cm)	0.31	0.1
403843	TR-10C	V1	channel	V1 vein with silicified wallrock (8 cm)	0.48	1.2
403844	TR-10C	V1	channel	Alt'n btwn 403843 and 403845 (50 cm)	0.71	1.4
403845	TR-10C	V1	channel	V1 vein lower limb (35 cm)	5.98	3.9
403846	TR-10C	V1	channel	HW alt'n to 403847 (75 cm)	0.76	3.3

SAMPLE#	TRENCH	VEIN	Type	DESCRIPTION	Au g/t	Ag g/t
403847	TR-10C	V1	channel	V1 vein (13 cm)	18.28	35.1
403848	TR-10C	V1	channel	FW alt'n to 403847 (45 cm)	0.61	2.9
403849	TR-10C	V1	channel	V1 vein duplicate of 403847 (13 cm)	52.90	54.3
403850	STD	x	p	BAM "high" standard	4.66	20.2
403851	TR-10D	V1	channel	HW alt'n to 403852 (45 cm)	0.22	1.7
403852	TR-10D	V1	channel	V1 vein (15 cm)	3.93	4.8
403853	TR-10D	V1	channel	FW alt'n to 403852 (25 cm)	2.59	1.8
403854	TR-10E	V1	channel	HW alt'n to 403855 (50 cm)	0.16	1.4
403855	TR-10E	V1	channel	V1 vein (16 cm)	20.85	16.8
403856	TR-10E	V1	channel	FW alt'n to 403855 (10 cm)	1.68	2.2
403857	TR-10E	V1	channel	HW alt'n to 403858 (25 cm)	0.35	1.8
403858	TR-10E	V1	channel	V1 vein (36 cm)	167.40	37.9
403859	TR-10E	V1	channel	FW alt'n to	0.26	0.1
403860	TR-10E	V1	channel	unalt'd GD below FW alt'n (75 cm)	0.12	0.1
403861	TR-10F	V1	channel	HW alt'n to 403862 (30 cm)	0.17	0.1
403862	TR-10F	V1	channel	V1 vein (23 cm)	158.03	43.0
403863	TR-10F	V1	channel	FW alt'n to 403862 (45 cm)	0.97	2.1
403864	TR-10F	V1	channel	HW alt'n to 403865 (20 cm)	0.41	1.1
403865	TR-10F	V1	channel	V1 vein (22 cm)	4.79	17.6
403866	TR-10F	V1	channel	FW alt'n to 403865 (25 cm)	0.35	2.8
403867	TR-10G	V1	channel	HW alt'n to 403868 (20 cm)	0.36	1.1
403868	TR-10G	V1	channel	V1 vein (20 cm)	0.98	15.1
403869	TR-10G	V1	channel	FW alt'n to 403868 (25 cm)	0.86	1.3
403870	TR-10G	V1	channel	HW alt'n to 403871 (20 cm)	0.56	1.3
403871	TR-10G	V1	channel	V1 vein (28 cm)	3.09	1.7
403872	TR-10G	V1	channel	FW alt'n to 403871 (10 cm)	0.13	0.1
403873	TR-10H	V1	channel	HW alt'n to 403874 (5 cm)	0.87	2.0
403874	TR-10H	V1	channel	V1 vein (25 cm)	2.39	10.9
403875	TR-10H	V1	channel	FW alt'n to 403874 (22 cm)	0.45	0.1
403876	TR-10H	V1	channel	HW alt'n to 403877 (10 cm)	0.28	0.1
403877	TR-10H	V1	channel	V1 vein (37 cm)	1.83	20.7
403878	TR-10H	V1	channel	FW alt'n to 403877 (25 cm)	1.27	1.6
403879	TR-10I	V1	channel	HW alt'n to 403880 and 403881 (25 cm)	0.25	0.1
403880	TR-10I	V1	channel	V1 vein (20 cm)	66.76	32.1
403881	TR-10I	V1	channel	V1 vein (20 cm); duplicate to 403880	48.64	17.5
403882	TR-10I	V1	channel	FW alt'n to 403880 and 403881 (45 cm)	0.45	1.8
403883	TR-10I	V1	channel	V1 vein (40 cm)	0.57	4.2
403884	STD	x	p	BAM "low" standard	1.41	10.1
403885	TR-11A	SC1	grab	brecciated qz vein	0.01	0.1
403886	TR-11A	SC1	grab	clay alt'd GD in fault zone	0.19	1.3
403887	TR-11B	SC1	channel	SC vein (23 cm)	1.34	1.2
403888	TR-11B	SC1	channel	FW alt'n to 403887 (15 cm)	0.39	0.1
403889	TR-11C	SC1	channel	HW alt'n to 403891 (30 cm)	0.98	0.1
403890	TR-11C	SC1	channel	alt'd GD above 403889 (50 cm)	0.45	0.1
403891	TR-11C	SC1	channel	SC vein (20 cm)	0.06	0.1
403892	TR-11C	SC1	channel	FW alt'n to 403891 (45 cm)	1.23	0.1
403893	TR-11C	SC1	channel	HW alt'n to 403894 (40 cm)	0.16	0.1
403894	TR-11C	SC1	channel	SC vein (20 cm)	6.35	6.6

SAMPLE#	TRENCH	VEIN	Type	DESCRIPTION	Au g/t	Ag g/t
403895	TR-11D	SC1	channel	HW alt'n to 403896 (40 cm)	0.64	1.2
403896	TR-11D	SC1	channel	SC vein (25 cm)	14.86	0.1
403897	TR-11E	SC1	channel	intensely clay altered GD (100 cm)	0.09	0.1
403898	STD	x	p	BAM "high" standard	4.77	19.9
403901	TR-12	V2	channel	HW alt'n to 403902	58.52	232.8
403902	TR-12	V2	channel	V2 vein	35.31	235.4
403903	TR-12	V2	channel	FW alt'n to 403902	22.34	15.4
403904	TR-12	V2	channel	HW alt'n to 403905	2.30	161.8
403905	TR-12	V2	channel	V2 vein	0.51	6.0
403906	TR-13	V2	channel	HW alt'n to 403907	0.50	2.6
403907	TR-13	V2	channel	V2 vein & immediate clay FW	64.11	169.0
403908	TR-13	V2	channel	V2 vein & immediate clay HW + FW	24.12	5.4
403909	TR-14	V2	panel	V2 vein & immediate clay HW	21.22	33.3
403910	TR-14	V2	channel	FW alt'n to 403909	1.21	1.1
403911	TR-15	V2	channel	HW alt'n to 403912	0.40	2.1
403912	TR-15	V2	channel	V2 vein	392.22	218.2
403913	TR-15	V2	panel	Qz stringer	3.85	2.8
403914	TR-17	V2	panel	Qz vein	0.49	2.1
403915	TR-17	V2	panel	Qz vein	5.42	2.1
403916	TR-16	V2	channel	HW alt'n to 403917	0.13	0.1
403917	TR-16	V2	channel	V2 vein	23.00	5.5
403918	TR-18	V2	panel	V2 vein ?	0.38	0.1
403919	TR-19	V2	channel	V2 vein & immediate clay HW + FW	63.32	21.8
403920	TR-20	V2	channel	V2 vein	23.03	18.7
403921	TR-20	V2	channel	HW alt'n to 403920	0.49	1.8
403922	TR-21	V2	channel	V2 vein and alt'n ?	1.52	1.3
403923	TR-21	V2	channel	V2 vein and alt'n ?	0.53	1.9
403924	TR-21	V2	channel	V2 vein and FW alt'n to 403925	11.67	8.5
403925	TR-21	V2	channel	V2 vein	5.73	1.9
403926	TR-21	V2	channel	HW alt'n to 403925	0.07	0.1

Appendix 9

Swede's Pit Drill Logs

HoleID :	SP99-01		Lithology		Structure			Mineralogy																
			Major	Minor			core	Alteration		alteration minerals					ore minerals						gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-01	0.00	5.49	ob							se		cy																		gd and qv cobbles
SP99-01	5.49	16.60	gd		9.2	ft	60			cy		fe		se																weathered and clay altered
SP99-01	16.60	18.74	gd							fe		se		cy																
SP99-01	18.74	19.05	gd	gg	19	bn	70	arg	5	cy		fe																		fault?
SP99-01	19.05	19.20	gd					oxd	5	fe		cy																		strongly oxidized
SP99-01	19.20	19.95	qv													as	0.5	vg	0						qz	99	se	0	fe	25 mm sulphide-bearing band at 19.94 m
SP99-01	19.95	20.10	gd																											unknown width - very poor recovery
SP99-01	20.10	20.30	qv																											unknown width - poor recovery
SP99-01	20.30	20.45	gd																											unknown width - very poor recovery
SP99-01	20.45	20.55	qv																											unknown width - poor recovery
SP99-01	20.55	23.28	gd							fe		se																		gradually decreasing alt'n downhole
SP99-01	23.28	25.30	gd																											fresh

HoleID :	SP99-02		Lithology		Structure			Mineralogy																
			Major	Minor			core	Alteration		alteration minerals						ore minerals						gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-02	0.00	3.00	ob																											estimated CS to 9.45
SP99-02	3.00	17.90	gd		15.3	fr	45			se		cy		fe																strongly weathered
SP99-02	17.90	18.70	gd		18	sh	50	oxd	4	fe																				parallel fractures
SP99-02	18.70	21.60	gd			sh	50	arg	4	cy		fe																		
SP99-02	21.60	21.62	gg		21.6	ft	70			Cy																				
SP99-02	21.62	21.85	qv		21.8	fr	70																			qz		mu			sheared vein with coarse muscovite,
SP99-02	21.85	22.10	gd					arg	2	cy		mu																		very muscovite rich
SP99-02	22.10	26.21	gd							se		cy																		ordinary Gd to E.O.H.

HoleID :	SP99-03		Lithology		Structure			Mineralogy																	
			Major	Minor			core	Alteration		alteration minerals						ore minerals						gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-03	0.00	6.10	cs																											casing- no core
SP99-03	6.10	10.06	gd							cy		fe																		strongly weathered
SP99-03	10.06	10.40	gd					oxd	4	cy		fe																		
SP99-03	10.40	10.50	gg	gd						cy		fe																		clay band
SP99-03	10.50	10.56	qv			fr	75																							sheared, fractured vein
SP99-03	10.56	11.58	gd							cy		fe																		
SP99-03	11.58	11.63	qv																							qz	99	fe	1			angular fragments
SP99-03	11.63	12.95	gd					arg	2	cy		se																		very poor recovery
SP99-03	12.95	13.06	gd					oxd	3	fe		cy																		
SP99-03	13.06	13.10	qv																							qz						two rounded pebbles
SP99-03	13.10	13.56	gd					arg	3																					
SP99-03	13.56	13.77	gd					phy	4	se		cy		qz																
SP99-03	13.77	13.80	qv																							qz						subangular pieces
SP99-03	13.80	14.63	gd					arg	3	cy		fe		se																
SP99-03	14.63	15.25	gd							fe		cy																		abyssmal recovery
SP99-03	15.25	15.30	qv																							qz		fe				one 4 cm subangular piece, few small chips
SP99-03	15.30	15.97	gd							fe		cy																		abyssmally poor recovery
SP99-03	15.97	16.15	gd					arg	4	cy		fe																		
SP99-03	16.15	16.28	qv																							qz	99	fe	0			subangular chunks
SP99-03	16.28	17.68	gd					arg	1	cy																				moderately altered
SP99-03	17.68	19.20	gd					arg	4	cy		fe																		strongly altered
SP99-03	19.20	20.03	gd							cy																				relatively fresh
SP99-03	20.03	20.29	gd			sh	55	oxd	3	fe		cy		se																rusty brown
SP99-03	20.29	22.25	gd																											relatively fresh

HoleID :			Lithology		Structure			Mineralogy																
			Major	Minor			core	Alteration		alteration minerals					ore minerals						gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-04	0.00	7.62	cs																											no core
SP99-04	7.62	7.77	gd																											probably cobbles
SP99-04	7.77	7.92	qv																											probably cobbles
SP99-04	7.92	9.25	gd																											
SP99-04	9.25	10.20	gd			fr	65	oxd	3	fe		cy																		many subparallel fractures
SP99-04	10.20	11.10	gd					arg	2	cy																				
SP99-04	11.10	12.50	gd	gg				oxd	4	fe		cy																		gradational from above
SP99-04	12.50	14.02	mi																											
SP99-04	14.02	14.05	gd					arg	5	cy		se																		two pieces only
SP99-04	14.05	14.20	qv																											subangular pieces
SP99-04	14.20	14.33	gg	gd						fe		cy																		red-brown clay with oxidized Gd fragments
SP99-04	14.33	15.21	gd	qv		vn	20	arg	2	cy		fe																		1-2 cm vein
SP99-04	15.21	15.24	qv			vn	15																							2 cm quartz vein
SP99-04	15.24	15.54	gd							cy		se																		yellow-white alteration
SP99-04	15.54	16.15	gd					oxd	4	fe		cy																		
SP99-04	16.15	16.23	qv																							qz				no sulphides seen
SP99-04	16.23	16.50	gd																											
SP99-04	16.50	16.60	qv			fr	40																			qz				no sulphides seen
SP99-04	16.60	16.76	gd					oxd	5	fe		cy																		fair recovery
SP99-04	16.76	18.40	gd					arg	2	cy																				very poor recovery
SP99-04	17.40	17.50	qv																							qz				Qv chips
SP99-04	17.50	21.36	gd					arg	2	cy																				recovery improves downhole

HoleID :	SP99-05		Lithology		Structure			Mineralogy																
			Major	Minor			core	Alteration		alteration minerals					ore minerals						gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-05	0.00	7.62	cs																											
SP99-05	7.62	15.45	gd							cy		se																		variably weathered - locally intense
SP99-05	15.45	15.56				fr	60																							
SP99-05	15.56	15.58	qv			vn	60																			qz	90	tr	9	mu	0	vuggy; hard black mineral = tourmaline ?
SP99-05	15.58	15.65	gd																												
SP99-05	15.65	17.40	gd					arg	1	cy		fe																			local carbonate/iron alteration along fractures
SP99-05	17.40	18.72	gd			fr	60	oxd	2	fe		cy																			variably altered
SP99-05	18.72	19.50	gd							cy		fe																			weakly altered/weathered, but highly fractured
SP99-05	19.50	19.72	gd					oxd	3	fe		cy		cb																	
SP99-05	19.72	22.40	gd		22.1	fr	30	arg	2	cy		se																			moderately altered/weathered, highly fractured
SP99-05	22.40	24.40	gd					oxd	5	fe		se																			intense Fe-oxide and Cy-alt'n; v. poor recovery
SP99-05	24.40	24.54	gg	gd						cy		fe																			Fault ?
SP99-05	24.54	24.66	qv		24.7	ft	75			cl		cy														qz						rounded Qv pebbles
SP99-05	24.66	25.43	gd		24.8	fr	20	arg	2	cy		fe		cl																	Cl-Cy seam@24.66; curviplanar fracture @ 24.8
SP99-05	25.43	25.48	gd					oxd	5	cy		fe																			
SP99-05	25.48	25.60	qv																							qz						angular vein pieces and chips
SP99-05	25.60	28.50	gd							cy																						weakly altered or weathered
SP99-05	28.50	28.80	gd	gg	28.8	ft	60			cy		fe																			
SP99-05	28.80	29.26	gd							cy																						weakly altered or weathered
	EOH																															

HoleID :	SP99-06		Lithology		Structure			Mineralogy																
			Major	Minor			core	Alteration		alteration minerals						ore minerals						gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1 pcto	om2 pcto	om3 pcto	om4 pcto	om5 pcto	gm1	pctg	gm2 pctg	gm3 pctg	Comment
SP99-06	0.00	3.75	cs																					
SP99-06	3.75	20.80	gd							cy														variably weathered unalt'd GD; mafic xenoliths
SP99-06	20.80	21.15	gd		28	fr	75	oxd		fe		se		si										crumbly, weathered, Se fracture planes
SP99-06	21.15	24.17	gd		23.9	st	25			kf		fe		se							cl			chlorite stringers, Se-altered Gd, ksp turning to pla
SP99-06	24.17	26.21	gd		26.2	ft	80			cy		fe		se										HW alteration, weak, lower 2-3cm is fault gouge
SP99-06	26.21	26.45	qv																					V2: white qtz, 19cm assumed lost
SP99-06	26.45	27.10	gd		27.1	ft	15			cy		se		fe										FW alt.: Cy alt w/ fault gouge on breccia material
SP99-06	27.10	28.66	gd		28.4	fr	36			se		cb												not part of FW alt. Weakly Sericitized Gd
SP99-06	28.66	29.52	gd							se														rel fresh GD, cy-alt fault gouge @dnhl contact
SP99-06	29.52	30.50	gd		30	ft	90			cy		fe		se	1									alteration zone within GD; kf hematized?
SP99-06	30.50	34.44	gd																					fresh, grey Gd

HoleID :	SP99-07		Lithology		Structure			Mineralogy																		
			Major	Minor			core	Alteration		alteration minerals						ore minerals							gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-07	0.00	8.79	gd					arg	2	cy																				dominantly weathered, unaltered
SP99-07	8.79	8.88	gd					oxd	4	fe		si	0	cy																locally silicified
SP99-07	8.88	8.89	qv			vn	80																							slightly vuggy
SP99-07	8.89	8.96	gd			sh	75	arg	2	fe		cy																		
SP99-07	8.96	13.83	gd		9.35	sh	60			cy		fe																		minor clay alt'n throughout;locally Fe on fractures
SP99-07	13.83	14.20	gd					arg	2	cy		fe																		
SP99-07	14.20	14.90	gd					arg	1	cy																				
SP99-07	14.90	16.30	gd					arg	3	cy		fe																		crumbly, broken, minor Fe staining
SP99-07	16.30	19.35	gd							cy		fe																		weak alteration and weathering
SP99-07	19.35	19.55	gd	gg						cy		fe																		fault/shear
SP99-07	19.55	20.72	gd							fe		cy																		rubbly, locally strong Fe-staining
SP99-07	20.72	20.90	gd			sh	60			cy		cl		fe																poor recovery
SP99-07	20.90	21.05	gd																											relatively fresh
SP99-07	21.05	21.07	qv		21.1	vn	55																							12 mm vein
SP99-07	21.07	21.40	gd							fe		cy		cb																moderate alt'n halo around vein
SP99-07	21.40	21.92	gd					arg	3	cy		fe																		rubbly, local Fe-staining
SP99-07	21.92	22.00	gg			sh	65																							orange clay
SP99-07	22.00	22.35	qv													as	0									qz	98	mn	1	mu	0	angular pieces, with black carbonaceous mat'l
SP99-07	22.35	24.60	gd			sh	60	oxd	4	fe		cy																		local red hematite
SP99-07	24.60	25.17	gd					oxd	1	fe		cy																		Fe and Cy along fractures
SP99-07	25.17	27.00	gd					oxd	3	fe	1	cy	2	cb	2															Fe and Cb alteration
SP99-07	27.00	28.35	gd																											fresh, weak weathering

HoleID :	SP99-08		Lithology		Structure			Mineralogy																					
			Major	Minor			core	Alteration		alteration minerals						ore minerals								gangue minerals					
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-08	0.00	4.00	ob																											
SP99-08	4.00	10.40	gd							cy																				moderate to intense weathering
SP99-08	10.40	10.70	gd					oxd	4	cy		fe																		
SP99-08	10.70	15.00	gd																											moderate to intense weathering
SP99-08	15.00	15.60	gd		15.1	fr	60	oxd	1	cy		fe																		Fe-oxides dominantly on fractures
SP99-08	15.60	18.70	gd					arg	1	cy		fe																		local Fe-oxides on fractures
SP99-08	18.70	19.10	gd					oxd	2	cy		fe																		Fe-oxides concentrated on fractures
SP99-08	19.10	19.35	gd					arg	1	cy																				relatively fresh
SP99-08	19.35	20.50	gd			sh	50	oxd	3	fe		cy																		variable alteration, locally intense
SP99-08	20.50	25.60	gd					sil	2	fe		cy		si																heterogeneous arg 1 to oxd 4
SP99-08	25.60	25.67	gd					oxd	5	fe		cb		cy																igneous texture nearly obliterated
SP99-08	25.67	25.69	qv			vn	60																			qz					approx. 1cm =true width
SP99-08	25.69	25.74	gd	qv		vn	20	oxd	5	fe																				wavy veinlet
SP99-08	25.74	25.88	gd					arg	4	cy		fe		cb																oxidized/cy altered. Cb alt'n?
SP99-08	25.88	25.99	gd	gg		sh	42	arg	5	cy	25	fe	2																	may contain few small Qv fragments
SP99-08	25.99	26.15	br	qv						fe		cy														qz					angular vein frags to 7 cm
SP99-08	26.15	26.31	qv													sc	0									qz	97	wr	2	cy	1	scorodite, angular fragments
SP99-08	26.31	26.50	gd					arg	4	cy		fe																		somewhat sheared
SP99-08	26.50	27.60	gd					arg	3	cy																				rubbly, partially disintigrated
SP99-08	27.60	28.55	gd					arg	4	cy		cl																		yellow-green hue, mostly disaggregated
SP99-08	28.55	28.96	gd							cy		he																		locally deep red, sheared and disaggregated
SP99-08	28.96	29.03	qv																							qz	99	he	1			single 6 cm chunk plus rounded pebbles
SP99-08	29.03	29.87	gd	gg						cy		fe																		very poor recovery
SP99-08	29.87	30.07	gd			sh	50	arg	3	cy		fe		cb																foliated/sheared; contains minor carbonate?
SP99-08	30.07	32.30	gd							cy		cl																		weak alt'n and weathering

HoleID :	SP99-09		Lithology		Structure			Mineralogy																
			Major	Minor			core	Alteration		alteration minerals					ore minerals						gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-09	0.00	1.55	gd		1.4	fr	60			cy		se																		weak-mod Cy,Se alt'n, most intense near low end
SP99-09	1.55	2.55	gd		2.3	fr	70			cy																				weakly weathered Gd, large core loss at dnhn end
SP99-09	2.55	4.38	gd							cy		se																		HW alt'n: Cy rich, much core loss
SP99-09	4.38	4.42	qv													as		sb		ma		fe								V2: thin section with probable core loss; weathered sulphides
SP99-09	4.42	5.53	gd							cy		se																		FW alt'n: 90% core loss, mod-strng clay altn
SP99-09	5.53	8.53	gd							cy		se																		unaltered;poor recovery; qv pebbles scattered throughout

HoleID :			Lithology		Structure			Mineralogy															
			Major	Minor			core	Alteration	alteration minerals						ore minerals						gangue minerals			
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-10	0.00	3.85	cs																											
SP99-10	3.85	3.96	ob																											quartz vein pieces, likely from overlying boulder
SP99-10	3.96	8.66	gd					oxd		cy																				unaltered grey m.g. Gd
SP99-10	8.66	8.96	gd		8.7	vn	75			cy		fe		se																HW altn: variably alt, mostly Cy, minor Fe, Se
SP99-10	8.96	9.21	gd		9.15	fr	3			mn																				relatively unaltered; Mn oxide coated fracture
SP99-10	9.21	11.10	gd				3			cy		se		fe																HW altn: variably alt, mostly Cy, minor Fe, Se
SP99-10	11.10	11.28	qv													sc	0	ma	0.5											V2: massive, whitish qtz w/ scorodite, good recov
SP99-10	11.28	14.73	gd		14.6	fr	55			cy		se																		FW altn: locally strong, wk Se, Fe, abund Cy
SP99-10	14.73	17.67	gd		15.2	fr	85			cy		se		fe																weakly altered to unaltered Gd
SP99-10					17	fr	40																							

HoleID :	SP99-11		Lithology		Structure			Mineralogy																		
			Major	Minor			core	Alteration		alteration minerals						ore minerals						gangue minerals					
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-11	0.00	3.96	gd							cy																				rubble
SP99-11	3.96	5.49	mi																											"Gravel-washed away" on block; likely weath'd Gd
SP99-11	5.49	6.00	mi																											interpreted loss of HW alteration
SP99-11	6.00	6.10	qv																							qz	99	wr	1	fe	0	rounded vein pebbles; milky qz cut by 1-2mm clear veinlets
SP99-11	6.10	6.30	gd					arg	3	cy	10	fe	2																			milled rounded chunks, 2-5cm
SP99-11	6.30	7.10	gd					arg	3	cy		cl																				intensely fractured, shattered
SP99-11	7.10	7.95	gd					arg	1	cy																						
SP99-11	7.95	8.10	gd							fe		cy																				variably altered, more Fe on fractures
SP99-11	8.10	8.15	qv																							qz	99	fe	0	mu	0	Qv pebbles
SP99-11	8.15	9.19	gd							fe		cy																				variably altered, more Fe on fractures
SP99-11	9.19	10.00	gd							cy																						weakly weathered
SP99-11	10.00	10.70	gd					pro		cl		cy																				propylitic-clay alt'n; shattered, mashed core
SP99-11	10.70	11.46	gd		11.1	sh	65			cy																						brittle shear in weakly weathered blocky Gd
SP99-11	11.46	12.00	gd			sh	70	arg	2	cy		cl																				sheared, shattered
SP99-11	12.00	13.11	gd							cy																						weakly weathered

HoleID :	SP99-12		Lithology		Structure			Mineralogy																				
			Major	Minor			core	Alteration		alteration minerals						ore minerals								gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-12	0.00	9.14	cs																											
SP99-12	9.14	14.63	gd			fr	55	arg	2	cy		fe	0																	prominent joint set @ 8-25 cm spacing
SP99-12	14.63	15.10	gd					oxd	3	cy		cl		fe																strongly fractured; mod alt'n
SP99-12	15.10	15.60	gd					arg	1	cy		fe																		weak-mod alt'n/weathering, Fe on fractures
SP99-12	15.60	16.45	gd					oxd	5	fe		cy																		sheared, brecciatd
SP99-12	16.45	16.85	gd					arg	4	cy		fe																		Fe predominantly along fractures
SP99-12	16.85	17.50	gd	br				arg	3	cy		mn		fe																extremely sheared and brecciated
SP99-12	17.50	18.00	gd					arg	5	cy		fe																		pervasive Cy and Fe oxide alt'n
SP99-12	18.00	18.02	gg			ft	70			cy		fe																		red-brown clay band
SP99-12	18.02	18.17	qv			vn	68									vg	0	sc		mn						qz	99	he	0		Sc and Mn-oxides common on fractures
SP99-12	18.17	19.00	gd					arg	3	cy		cl																		extremely sheared and brecciated
SP99-12	19.00	20.07	gd					arg	1	cy		fe																		intermittent/sporadic alt'n
SP99-12	20.07	20.18	gd					oxd	4	fe		cy		mn																
SP99-12	20.18	20.23	qv			vn	47									mn										qz	99	mu	0		35 mm vein true width, banded
SP99-12	20.23	20.77	gd					oxd	3	fe		cy		cb																mod-strong FW altn
SP99-12	20.77	23.78	gd					arg	1	cy		fe																		Fe along fractures
	EOH																													

HoleID :	SP99-13		Lithology		Structure			Mineralogy																	
			Major	Minor			core	Alteration		alteration minerals						ore minerals						gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-13	0.00	6.10	cs																											
SP99-13	6.10	7.01																												
SP99-13	7.01	11.00	gd					oxd	3	cy		fe																		strongly weathered, orange-brown oxidation
SP99-13	11.00	13.60	gd			fr	65	arg	1	cy																				mod-strongly weathered, rare Fe,Mn on fractures
SP99-13	13.60	14.05	gd					arg	3	cy		fe																		
SP99-13	14.05	14.22	gd					oxd	4	fe		cy																		
SP99-13	14.22	14.23	qv			vn	60									fe										qz					7-8mm true width
SP99-13	14.23	14.53	gd			sh	70	oxd	5	fe		cy		si																	minor silicification, carbonate alteration?
SP99-13	14.53	14.75	gd					arg	4	cy		fe																			
SP99-13	14.75	15.63	gd					oxd	4	fe		cy																			intensely fractured
SP99-13	15.63	16.01	gd			bn	65	sil	3	si	5	fe		cy		pb															rare yellow Pb-oxide; oxidizd throughout, locally sil
SP99-13	16.01	16.09	gd					arg	1	cy		cl																			weak altn, weathering
SP99-13	16.09	16.40	gd					arg	3	cy																					intensely fractured
SP99-13	16.40	16.80	gd					arg	1	cy																					
SP99-13	16.80	23.84	gd							cy																					generally fresh
SP99-13	23.84	23.85	gg			ft	65			cy		fe																			thin red clay smear
SP99-13	23.85	24.10	gd			sh	65	oxd	5	fe		se		si																	some brittle/ductile shear@top of interval. Cb alt
SP99-13	24.10	24.19	qv		24.2	fr	65									sc	0	ma	0							qz	99	wr	0.5		
SP99-13	24.19	24.29	gd					oxd	5	fe		cy																			rubbly core, fair to good recovery
SP99-13	24.29	24.38	br	qv				oxd	5	cy		fe																			Qv frags + alt'd Gd fragments in breccia
SP99-13	24.38	24.70	gd					oxd	5	fe		cy																			moderately fractured, Fe alt'n w/strong Cy altn
SP99-13	24.70	25.00	gd	qv				arg	5	cy		si		fe																	Cy-dom alt'n,some silicification + irreg qz veining 5
SP99-13	25.00	25.55	gd					arg	2	cy		fe		cl																	Cy-dominated weak-mod alt'n
SP99-13	25.55	25.95	gd																												
SP99-13	25.95	26.82	gd		26	ft	50	pro	1	cl		cy		se																	CL and Mn lined fracs, brittle shear@26m w/Cy,Cl
SP99-13	26.82	27.63	gd							cy																					generally fresh
SP99-13	27.63	27.77	gd		27.8	ft	60	oxd	5	fe		se		cy																	
SP99-13	27.77	27.83	qv			vn	57									vg	0	fe	1							qz	99				sheared vein
SP99-13	27.83	27.87	gd					oxd	5	fe		se		cy																	
SP99-13	27.87	29.87	gd			fr	57			se		fe		cy																	generally fresh, alt'n minerals along fractures

HoleID :	SP99-14		Lithology		Structure			Mineralogy																
			Major	Minor			core	Alteration		alteration minerals						ore minerals						gangue minerals			
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1 pcto	om2 pcto	om3 pcto	om4 pcto	om5 pcto	gm1 pctg	gm2 pctg	gm3 pctg	Comment
SP99-14	0.00	10.67	cs																					
SP99-14	10.67	11.13	gd					arg	1	cy		mn												weak-moderate weathering
SP99-14	11.13	12.10	gd		11.98	ft	65	oxd	5	fe		se		cy										oxidized intense Se alt'n, brittle shear
SP99-14	12.10	14.13	gd					arg	1	cy		cl												intensely fractured
SP99-14	14.13	14.23	ad					pro	1	cl														angular pieces to 8 cm
SP99-14	14.23	14.33	gd					pro	2	cl		cy												rubble and gravel
SP99-14	14.33	14.45	ad					pro	3	cl		fe												green-brown weathering; rubbly and soft
SP99-14	14.45	14.65	gd					pro	2	cl		cy		mn										rubbly, incompetent Mn oxides on many fracs
SP99-14	14.65	14.83	gd					oxd	5	fe		cy												sheared and brecciated
SP99-14	14.83	14.88	gg	gd						cy		fe												may contain Qv frags, or Qz from Gd
SP99-14	14.88	15.07	gd					oxd	4	fe		se		cy										
SP99-14	15.07	18.20	gd		15.07	bn	70			Fe	0.01	Cy	0											sharp transition from unit above, genrally fresh; Fe o
SP99-14	18.20	18.90	ad		18.20	ct	30																	very slightly altered, blocky

HoleID :	SP99-15		Lithology		Structure			Mineralogy													
			Major	Minor			core	Alteration	alteration minerals				ore minerals						gangue minerals			
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1 pcta	am2 pcta	am3 pcta	om1 pcto	om2 pcto	om3 pcto	om4 pcto	om5 pcto	gm1 pctg	gm2 pctg	gm3 pctg	Comment
SP99-15	0.00	6.10	cs																		
SP99-15	6.10	7.50	gd		6.60	fr	70			cy											unaltered, weathered Gd; locally crumbly
SP99-15	7.50	11.18	gd	gg	9.22	ft	55			fe	se	si									mod-strng Se/Si/Fe oxd alt'n; minor soft gouge,
SP99-15	11.18	15.10	gd		12.85	Fr	10			cy											unalt'd, locally weathered Gd
SP99-15	15.10	15.22	gd	qv	15.16	st	60	phy		se	fe	si	as	py							Py & as neaar oxidized, vuggy 5 mm vein
SP99-15	15.22	16.82	gd																		unaltered Gd
SP99-15	16.82	18.52	gd		17.25	bn	60			cy	se	fe									weak alt'd Gd; se+FeO along fractures
SP99-15	18.52	18.75	gd		18.60	fr	60			si	se	fe									HW alt'n: thin Si, Se,Fe oxd over V2
SP99-15	18.75	19.20	qv	gd									as	sp	sb	ga	py	qz	wr		45 cm thick V2 w/15 cm included Si alt'd Gd inclusion; abund V
SP99-15	19.20	19.42	gd		19.35	bn	65	phy		se	si	fe	py								thin FW alt'n: mod-strong se+si; FeO on fractures
SP99-15	19.42	19.90	gd		19.70	fr	55			fe											relatively fresh Gd, Fe-oxd along fractures
SP99-15	19.90	20.42	gd		20.05	fr	5			se	cy										wk Se/Cy altd Gd, minor oxd on fractures, 60% recovery
SP99-15	20.42	21.95	gd		21.80	fr	50			se	cl										fresh, competent Gd w/ lower 10-15 cm broken & weakly alt'd

HoleID :	SP99-16		Lithology		Structure			Mineralogy																		
			Major	Minor			core	Alteration		alteration minerals						ore minerals						gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pcta	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-16	0.00	2.44	cs																											
SP99-16	2.44	5.60	gd					pro	2	cy		cl		fe																strongly weathered; crumbly
SP99-16	5.60	7.25	gd					pro	1	cy		cl		fe																gradational from unit above
SP99-16	7.25	7.44	gd			bn	65	phy	5	fe		se		qz		py	0.50													lower half strongly oxd and sheared; muchccore loss
SP99-16	7.44	7.49	qv													fe									qz		wr			intensely fractured
SP99-16	7.49	7.78	br					oxd	5	fe																				breccia and gouge w/ Qv frags, 30% core recov
SP99-16	7.78	7.85	gd					ser	5	se		fe		cy																partially oxidized
SP99-16	7.85	8.00	gd					pro	2	cl		cy																		
SP99-16	8.00	8.23	gd			st	85	phy	5	qz		se		fe		py	0.01													partially oxd, 3mm discontinuous stringer
SP99-16	8.23	8.29	gd			fr	80	oxd	5	fe		se																		uncertain amount of core loss
SP99-16	8.29	8.77	gd																											fresh
SP99-16	8.77	8.82	gd					phy	4	se		fe																		partiall oxd alt'n, no sulphides
SP99-16	8.82	9.10	gd	mi				oxd	5	fe		se		cy																probably 30% core recovery
SP99-16	9.10	10.75	gd					pro	2	cl		fe																		locally strongly oxd along fractures
SP99-16	10.75	13.34	gd					oxd	5	fe		cy		se																generally more Cy and less Fe downhole
SP99-16	13.34	15.16	gd							cl		cy																		generally fresh
SP99-16	15.16	15.39	gd					pro	1	cl		cy																		totally disaggregated, crushed
SP99-16	15.39	17.68	gd																											fresh
SP99-16	17.68	17.91	gd					pro	2	cl		se																		
SP99-16	17.91	17.98	gd	qv		st	62	phy	3	se		fe													qz		cb			partially oxidized, 3-4 mm veinlet
SP99-16	17.98	19.01	gd																											fresh
SP99-16	19.01	19.08	gd	qv		st	65	ser	3	se		fe				py	0.01	he	0.01						qz	65	Cb	35		significantly oxidized
SP99-16	19.08	19.32	gd			fr	70																							fresh
SP99-16	19.32	19.46	gd			st	70	phy	5	se	25	qz	0.5	cb		as	0.01								qz		cb			1-2 mm stringer veinlet
SP99-16	19.46	19.77	gd			Fr	30																							fresh
SP99-16	19.77	19.89	gd			fr	65	ser	5	se		fe																		strongly oxidized
SP99-16	19.89	20.35	gd																											fresh
SP99-16	20.35	20.48	gd			st	60	ser	5	se		fe		mn											qz		cb			3mm veinlet; Mn on fractures
SP99-16	20.48	20.85	gd							cy																				mod-strongly fractured
SP99-16	20.85	20.96	gd			st	70	ser	2	se		cl		fe		he									qz		cb			2 mm qz - cb- He veinlet
SP99-16	20.96	21.54	gd							fe		cl																		slightly altered
SP99-16	21.54	21.69	gd					oxd	4	fe		se																		some core loss
SP99-16	21.69	22.49	gd																											fresh
SP99-16	22.49	22.75	gd			sh	65	oxd	5	fe		se																		grades from ser 5 to phy 5 to oxd 5
SP99-16	22.75	23.00	gg			ft	70			cy		fe																		presumed 50% recovery
SP99-16	23.00	23.23	qv													fe									qz					V2 vein - milky grey-white, shards and chips
SP99-16	23.23	23.39	gd			sh	70	oxd	4	fe		cy		se																oxidized alteration
SP99-16	23.39	23.49	gd					pro	3	cl		fe		cy																
SP99-16	23.49	23.67	gd		23.67	sh	65	ser	5	se		cy		fe																partially oxidized
SP99-16	23.67	23.75	mi																											inferred core loss
SP99-16	23.75	23.82	qv			vn	55									mn	0.01								qz					shattered
SP99-16	23.82	23.97	gd		23.97	ft	55	ser	4	se		fe																		sericitic to phyllic; partly oxidized
SP99-16	23.97	24.10	gd			fr	20	pro	2	cl		fe																		
SP99-16	24.10	24.74	gd			fr	60			fe																				generally fresh
SP99-16	24.74	25.05	gd	qv		st	65	phy	5	se		qz				as	0.01								qz	80	cb	19	mu	1	most carbonate weathered out of 1 cm vein
SP99-16	25.05	25.07	qv		25.05	sh	65									py	0.01								qz	90	cb	1			most carbonate and Py weathered out
SP99-16	25.07	25.15	gd					phy	5	se		qz				as	0.50													
SP99-16	25.15	25.91	gd																											fresh
SP99-16	25.91	26.08	gd			fr	25	oxd	3	fe		se		cy																partial recovery only
SP99-16	26.08	26.12	qv			sh	60									fe	0.01								qz	99	mu	1			brecciated but largely intact
SP99-16	26.12	26.32	gd					oxd	3	fe		cy		se																partial recovery only
SP99-16	26.32	28.35	gd																											fresh

HoleID :	SP99-17		Lithology		Structure			Mineralogy																	
			Major	Minor			core	Alteration		alteration minerals						ore minerals						gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pctam	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-17	32.32	32.87	gd							fe		cy		cl																relatively fresh
SP99-17	32.87	32.94	gd			st	65	phy	5	se	25	qz	0			as	0.01								qz	60	cb	40			3 to 4 mm veinlet
SP99-17	32.94	34.14	gd					pro	1	fe		cl		cy																	relatively fresh
SP99-17	34.14	34.19	gd		34.19	ft	70	phy	5	se	25	qz	0																		
SP99-17	34.19	34.21	qv			vn	68									fe	0.01								qz	99					possible sulphides and cb weathered out
SP99-17	34.21	34.44	gd					pro	2	cl		fe																			rubbly

HoleID :	SP99-17		Lithology		Structure			Mineralogy																						
			Major	Minor			core	Alteration		alteration minerals							ore minerals							gangue minerals						
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pctam	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-17	0.00	2.13	cs																											rubbly, broken Gd Bedrock
SP99-17	2.13	5.49	gd							cy		cl																		Generally fresh
SP99-17	5.49	5.79	gd					arg	1																					wk-mod alt'n and weathering - highly broken
SP99-17	5.79	6.27	gd					ser	5	se		fe																		oxidized
SP99-17	6.27	7.80	gd					arg	2																					
SP99-17	7.80	9.17	gd					pro	2	cl		cy																		
SP99-17	9.17	10.06	gd					arg	1	cy		fe																		
SP99-17	10.06	11.20	gd					arg	2	cy																				
SP99-17	11.20	13.13	gd					pro	1	cl		cy																		generally relatively fresh
SP99-17	13.13	13.94	gd					ser	5	se		fe		cy																oxidized; decreasing intensity of alt'n downhole
SP99-17	13.94	16.32	gd																											fresh
SP99-17	16.32	16.48	gd					ser	3	se		fe																		tends to phyllic, oxidized
SP99-17	16.48	17.00	gd							cy	0.01																			fresh
SP99-17	17.00	18.30	gd					ser	5	se		fe		qz	0.01															tends to phyllic, locally strongly oxidized
SP99-17	18.30	18.96	gd					oxd	1	fe		se																		Fe-oxides primarily on fractures
SP99-17	18.96	19.20	gd					ser	5	se		fe																		oxidized, ser-phy alt'n
SP99-17	19.20	19.30	mi																											presumed core loss
SP99-17	19.30	19.35	qv													fe	0.01									qz	99	cy	0	wr	0	shattered
SP99-17	19.35	19.40	gd	br				oxd	5	se		fe																		partial (50%) recovery= crumbs
SP99-17	19.40	19.65	gd					ser	5	se		fe		qz																partially oxidized sericitic-phyllic
SP99-17	19.65	19.85	gd					pro	2	cl		fe																		
SP99-17	19.85	19.93	gd					ser	5	se		fe																		
SP99-17	19.93	20.05	br	gd				oxd	5	fe		cy		se																may contain small Qv fragments
SP99-17	20.05	20.20	gd					pro	2	cl		fe																		significant core loss in upper part
SP99-17	20.20	23.24	gd							cl																				very weak alt'n
SP99-17	23.24	23.28	gd					phy	5	se	20	qz	5			py	0.50	as	0.01											waxy green alt'n,
SP99-17	23.28	23.35	gd			st	66	oxd	5	fe		se																		few flakes and chips only
SP99-17	23.35	23.59	gd			st	60	phy	5	se	20	qz	0			py	0.01	as	0.01											2.5 mm qz stringer
SP99-17	23.59	23.80	gd							cl		se																		relatively fresh
SP99-17	23.80	24.18	gd		24.02	ft	50	phy	5	se	25	qz	0			py	0.01													partially oxidized
SP99-17	24.18	27.28	gd							cl		se																		ser and pro alt'n in downhole half
SP99-17	27.28	27.33	mi																											presumed loss of core
SP99-17	27.33	27.41	qv	gg	7.41	ft	60									ga	0.01									qz	99	wr	1			angular and subangular vein pieces and chips
SP99-17	27.41	27.49	gd					phy	5	se	20	qz	1	fe	0.01	py	0.01													
SP99-17	27.49	28.19	gd																											fresh
SP99-17	28.19	28.48	gd					phy	5	se	25	qz	0			py	0.50	as	0.01											Py >1% adjacent to vein
SP99-17	28.48	28.60	qv			vn	65									ga	0.01	sb	0.01	py	0					qz	98	wr	1			some sulphides (1%) in some patches
SP99-17	28.60	28.79	gd		28.60	ft	70	phy	5	se	25	qz	1			py	0.01	as	0.01											sulphides > 1% in some patches
SP99-17	28.79	29.52	gd							se		fe																		fresh
SP99-17	29.52	29.65	gd					phy	4	se		qz		fe		py	0.01													
SP99-17	29.65	29.97	gd					pro	1	cl		fe																		
SP99-17	29.97	30.11	gd	qv		st	80	phy	5	se	20	qz	5	fe		py	0.01	as	0.01											sheared and broken
SP99-17	30.11	31.22	gd							cl		fe		ss																weakly altered
SP99-17	31.22	31.27	mi																											presumed core loss at end of run
SP99-17	31.27	31.36	gd					phy	5	se	20	qz	0	cl	0.01	as	0.01													As > 1% within 1 cm of vein
SP99-17	31.36	31.40	qv			vn	67									sb	0.01	as	0.5											3 cm = true width
SP99-17	31.40	31.49	qv			bn	60									ga	0.50	sb	0.5	sp	0	as	0			qz	98	wr	0			sulphids in clots & bands; some weathered out
SP99-17	31.49	31.65	gd					phy	5	se	30	qz	5			as	0.01													As locally >1%
SP99-17	31.65	31.66	qv			vn	60									as	0.01									qz	90	cb	10			
SP99-17	31.66	31.81	gd			st	60	phy	5	se	30	qv	5			as	0.01													1mm discontinuous stringer veinlet
SP99-17	31.81	31.85	qv			vn	65									as	0.50									qz	99	cb	0.5	wr	0	
SP99-17	31.85	31.90	gd					phy	5	se	25	qz	5			as	0.01													
SP99-17	31.90	32.25	gd							se		cl																		relatively fresh, hard and intact
SP99-17	32.25	32.32	gd																											

HoleID :	SP99-18		Lithology		Structure			Mineralogy														
			Major	Minor			core	Alteration	alteration minerals				ore minerals						gangue minerals			
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pctam	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-18	0.00	2.13	cs																											
SP99-18	2.13	3.50	gd																											unaltered,weathered Gd, strippings at top
SP99-18	3.50	3.62	gd			bn	35			si		se		fe																weak-mod Si/Se alt'n w/ 0.5 cm qz core to zone;minor Fe-oxide in fracs
SP99-18	3.62	18.42	gd		9.13	fo	30																							unaltered, relatively unweathered Gd; 1 cm chloritic foliated zone
SP99-18	18.42	19.50	gd		19.05	st	65			fe		se		cy																HW alt'n; thin stringers and some silical alt'n
SP99-18	19.50	19.80	gg	qv						cy		se		fe																clay gouge with qv fragments
SP99-18	19.80	20.32	qv													fe														V2: 90-95%core loss, small angular fragments with FeO coating
SP99-18	20.32	20.73	gd	qv						fe		cy		se																top 10 cm contains 40% qz veinlets
SP99-18	20.73	20.73	qv																											accumulation of caved qv pebbles at beginning of run
SP99-18	20.73	20.90	gd		20.80	fr	70			fe		cy		se																grades into unaltered GD
SP99-18	20.90	21.25	gd		21.10	fr	40																							generally unaltered; minor fe, se, cy at contacts
SP99-18	21.25	21.42	gd	qv	21.38	fr	80			fe		se		si																symmetric alt'n zone around 1 cm qz veinlet
SP99-18	21.42	23.10	gd							se																				generally unaltered except ser in lower 10 cm
SP99-18	23.10	23.26	gd							fe		se		cy																FeO-ser-cy-silica alt'n similar to HW
SP99-18	23.26	23.31	qv							fe																qz		mu			abundant muscovite and Fe oxides on some fractures
SP99-18	23.31	24.35	gd		23.70	fr	0			se		fe		cy																heavily sericitized, FeO along fractures
SP99-18	24.35	26.45	gd			st	30																							relatively unaltered; few cb+cl stringers
SP99-18	26.45	26.65	gd		26.65	fr	30			se																				mod-strong alt'n around fracture set
SP99-18	26.65	27.74	gd																											relatively unaltered

HoleID :	SP99-19		Lithology		Structure			Mineralogy																			
			Major	Minor			core	Alteration		alteration minerals						ore minerals								gangue minerals				
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pcta	am2	pcta	am3	pctam	om1	pctom	om2	pctom	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-19	0.00	2.13	cs																												
SP99-19	2.13	9.00	gd					arg	2	cy																					moderately weathered
SP99-19	9.00	10.58	gd					oxd	2	cy		fe																			Fe concentrated along fractures
SP99-19	10.58	11.13	gd			st	60	oxd	5	se		fe		cy																	HW alt'n
SP99-19	11.13	11.18	mi																												presumed core loss from intervals above and below
SP99-19	11.18	11.23	gg	gd	11.23	ct	70			cy		fe																			Gd fragments in red clay matrix
SP99-19	11.23	11.71	qv		11.71	ct	60									vg	0.01	pb	0.01							qz		wr	1		V2 abundant visible gold
SP99-19	11.71	11.79	gd	gg		sh	70	arg	5	cy		fe		se																	clay-rich, gouged
SP99-19	11.79	12.00	gd			sh	65	ser	5	se		fe		cy																	tends to phyllic; oxidized FW alt'n.
SP99-19	12.00	12.26	gd					pro	1	cl		cy																			weak-mod alt'n or weathering
SP99-19	12.26	12.43	gd			st	70	ser	5	se		fe																			strongly oxidized, 2mm stringer
SP99-19	12.43	13.75	gd					pro	2	cl		cy																			
SP99-19	13.75	13.86	gd			st	50	oxd	4	se		fe		cy																	bleached and oxidized
SP99-19	13.86	15.73	gd					pro	1	cl		cy																			
SP99-19	15.73	15.87	gd			st	60	oxd	4	fe		se		cy												qz		cb			1 cm veinlet vuggy
SP99-19	15.87	16.31	gd																												
SP99-19	16.31	16.43	gd			st	60	oxd	4	fe		se																			2 mm veinlet/ stringer
SP99-19	16.43	17.61	gd					arg	1	cy		cl																			
SP99-19	17.61	17.69	gd			st	70	oxd	5	fe		se														qz					vein chips 2-8mm
SP99-19	17.69	18.31	gd					arg	1	cy		cl																			
SP99-19	18.31	18.36	gd			st	75	oxd	4	fe		se														qz					5 mm stringer
SP99-19	18.36	18.90	gd					arg	1	cy		cl																			

HoleID :	SP99-20		Lithology		Structure			Mineralogy																	
			Major	Minor			core	Alteration		alteration minerals				ore minerals						gangue minerals					Comment
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	Intensit	am1	pcta	am2	pcta	am3	pctam	om1	pcto	om2	pcto	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	
SP99-20	0.00	4.59	cs																												CS extends into bedrock-no core above 4.57
SP99-20	4.59	9.07	gd							cl		cy																			weakly weathered; generally fresh
SP99-20	9.07	9.40	pgd		9.07	dk	45	pro	1	cl		fe																			lower contact rubbly, Fe on fractures
SP99-20	9.40	11.05	gd		11.05	ct	20			cl																					generally fresh
SP99-20	11.05	22.90	pgd			fr	25			se																					foliated near contacts, minor Se, Cl, Mn, Cy on fra
SP99-20	22.90	28.40	gd		22.90	ct	15	pro	1	cl																					on fractures. Fracts 0-30 dominant
SP99-20	28.40	28.90	gd					ser	2	se		cl																			weakly alt'd; onset of HW alt'n
SP99-20	28.90	29.10	gd					oxd	5	fe		cy		se																	intense HW alt'n: ser + arg + oxd
SP99-20	29.10	29.20	mi																												presumed core loss from intervals above and belo
SP99-20	29.20	29.37	gd	gg				oxd	5	fe		cy		se																	gd fragments in orange-red clay
SP99-20	29.37	29.41	qv													py	0.01									qz	99	se	0		small voids = weathered out cb ?
SP99-20	29.41	29.43	gg			ft	75			fe		se		cy																	
SP99-20	29.43	30.15	gd		30.10	sh	70	ser	5	se		cy		fe																	tends to phyllic; oxidized
SP99-20	30.15	30.40	mi																												presumed loss of HW alt'n
SP99-20	30.40	30.75	qv		30.75	ct	-60									fe	0.50									qz	90	wr	10	se	0	upper part shattered, some piecs milled
SP99-20	30.75	30.86	gd		30.86	ct	50	ser	5	se		fe																			intense sericitic to phyllic; may be pgd
SP99-20	30.86	31.10	qv		30.98	ft	85			cy		se				fe	0.5	vg	0.01	sc	0										possible 1 cm core loss at cy+se fault
SP99-20	31.10	31.47	gd		31.35	st	75	ser	5	se		fe														qz	99	cb	1		1 cm veinlet
SP99-20	31.47	31.62	gd		31.62	ct	45	pro	2	cl		cy																			
SP99-20	31.62	32.12	pgd			fo	45	ser	5	se		cb	0																		strongly bleached and altered along fractures
SP99-20	32.12	32.60	pgd					ser	1	se		cl																			
SP99-20	32.60	33.00	pgd			fr	80	ser	5	se		cy																			
SP99-20	33.00	33.12	pgd					pro	1	cl		se		fe																	
SP99-20	33.12	33.80	pgd			sh	35	ser	5	se																					alteration boundaries cur across folition and shear
SP99-20	33.80	33.94	pgd					ser	1	se		cl																			
SP99-20	33.94	34.15	pgd					ser	5	se		cl																			patchy alteration
SP99-20	34.15	34.43	pgd					pro	1																						propylitic to sericitic; weak alt'n
SP99-20	34.43	34.53	pgd					ser	5	se		cy		mn																	Mn on fractures
SP99-20	34.53	34.66	pgd					ser	2	se		cl																			feldspars sericitized; gdmss wkly chloritized
SP99-20	34.66	35.02	pgd					ser	5	se		fe		cb																	tends to intense phyllic in uphole portion
SP99-20	35.02	35.62	pgd					ser	1	se		cl																			
SP99-20	35.62	35.95	pgd			fr	80	ser	5	se		he																			few strongly hematitic patches to 6 mm
SP99-20	35.95	36.00	pgd					pro	1	cl		se																			
SP99-20	36.00	36.20	pgd					ser	3	se		fe	mn																		rubbly core
SP99-20	36.20	36.38	pgd																												
SP99-20	36.38	36.43	pgd			fr	85	ser	5	se		fe		mn																	Fe amd Mn lined fractures
SP99-20	36.43	37.19	pgd					pro	1	cl		se																			few sericitic bands along fractures

HoleID :	SP99-21		Lithology		Structure			Mineralogy																
			Major	Minor			core	Alteration	alteration minerals						ore minerals							gangue minerals			
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1	pctam	am2	pcta	am3	pctam	om1	pctom	om2	pctom	om3	pcto	om4	pcto	om5	pcto	gm1	pctg	gm2	pctg	gm3	pctg	Comment
SP99-21	0.00	3.96	cs																											60 cm core in box above casing marker block
SP99-21	3.96	15.00	gd																											weak to mod weathering
SP99-21	15.00	21.74	gd													py	0.01													non weathered
SP99-21	21.74	21.90	gd					ser		cl		se		fe																Fe-oxide after sulphides
SP99-21	21.90	22.86	gd													py	0.01													unaltered, non weathered
SP99-21	22.86	24.47	gd		24.13	fr	80	oxd		se		fe		cy																frequent, thin alteration zones around fractures
SP99-21	24.47	24.68	gd					ser		se		cy																		HW alt'n
SP99-21	24.68	24.75	gg	qv	24.68	vn				cy																				clay gouge with 2 cm vein at top
SP99-21	24.75	24.87	gd					ser		se		cy																		HW alt'n
SP99-21	24.87	25.16	gg							cy																				
SP99-21	25.16	25.60	qv	<												vg	0.01	fe	0.01											V2: fractured and brecciated, near 100% rec'y
SP99-21	25.60	26.00	mi																											possible washing away of FW alteration
SP99-21	26.00	28.35	gd		25.80	fr	10			cl		cy																		relatively unaltered, no apparent FW alt'n

HoleID :	SP99-22		Lithology		Structure			Mineralogy															
			Major	Minor			core	Alteration		alteration minerals			ore minerals						gangue minerals			
HoleID	From	To	Rock1	Rock2	at	struc	angle	style	intensit	am1 pcta	am2 pcta	am3 pctam	om1 pcto	om2 pcto	om3 pcto	om4 pcto	om5 pcto	gm1 pctg	gm2 pctg	gm3 pctg	Comment
SP99-22	0.00	6.10	cs																		no core
SP99-22	6.10	9.00	gd					arg	1	cy	fe										moderate weathering
SP99-22	9.00	13.70	gd		9.50	st	50			cy											generally fresh, FeO on fracts; 2mm veinlet
SP99-22	13.70	13.80	gg		13.75	ft	22			cy	cl	mn									white clay with dark MnO and chlorite
SP99-22	13.80	17.45	gd					oxd	1	cl	fe	se									Patchy Fe and Se near fracts; soft rock
SP99-22	17.45	19.35	pgd			fr	80	ser	4												Patchy strong se + cy + fe alt'n; mod pro alt'n
SP99-22	19.35	19.75	pgd					pro	2	cl	se										gradational from unit above
SP99-22	19.75	20.15	pgd					ser	4	se	fe	cy									gradational from unit above
SP99-22	20.15	20.40	pgd					pro	1	cl	se	fe									lower contact diffuse, not sharp
SP99-22	20.40	20.83	gd					pro	2	cl	fe	cy									FeO on fractures; weak alt'n and weathering
SP99-22	20.83	20.95	gd	br		ft	33			cy	se										progressively more brecciated downhole
SP99-22	20.95	21.24	ap	gg																	rose-pink 1-2 cm blocks in white cy matrix
SP99-22	21.24	22.00	gd					pro	1	cl	cy	se									
SP99-22	22.00	22.03	gd		22.00	bn	80	ser	3	se	fe										oxidized band adjacent to fracture
SP99-22	22.03	22.67	gd					pro	1	cl	cy	se									
SP99-22	22.67	22.75	gd			st	75	ser	4	se	fe										oxidized, with 8 mm discontinuous veinlet
SP99-22	22.75	24.99	gd					pro	1	cl	se	fe									FeO on fractures

Appendix 10

Swede's Pit Drilling and
Trench Sample Analyses

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05655

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
dc	202001	2.8	2.6
dc	202002	1.5	
dc	202003	3.6	
dc	202004	2.4	
dc	202005	2.6	
dc	202006	2.8	
dc	202007	2.2	
dc	202008	4.1	3.9
dc	202009	1.5	
dc	202010	7.1	
dc	202011	1.0	
dc	202012	16.1	
dc	202013	<1.0	
dc	202014	<1.0	
dc	202015	2.6	2.7
dc	202016	1.3	
dc	202017	1.3	
dc	202018	2.8	
dc	202019	2.0	
dc	202020	6.3	
	CR std	68.5	
dc	202021	1.3	
dc	202022	<1.0	
p	202023	19.5	
dc	202024	<1.0	<1.0
dc	202025	<1.0	
dc	202026	<1.0	
dc	202027	55.0	
dc	202028	4.7	
dc	202029	<1.0	

Northern
Analytical
Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05655

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
dc	202030	<1.0	
dc	202031	<1.0	<1.0
dc	202032	141.0	148.3
dc	202033	4.4	
dc	202034	10.6	
dc	202035	<1.0	
dc	202036	<1.0	
	CR std	68.8	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

15/06/99 Certificate of Analysis

Barramundi Gold WO# 05655

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
dc	202001	288.6	17.459	0.48	0.002	0.46
dc	202002	282.1	16.987	1.37	0.008	1.32
dc	202003	268.1	10.057	3.43	0.010	3.34
dc	202004	143.9	29.481	1.44	0.007	1.19
dc	202005	274.1	29.935	2.74	0.016	2.50
dc	202006	271.3	25.263	2.64	0.010	2.43
dc	202007	272.1	29.986	3.84	0.042	3.57
dc	202008	254.7	29.365	1.23	0.099	1.48
dc	202009	264.9	26.716	0.31	0.003	0.29
dc	202010	157.3	27.028	0.51	0.012	0.50
	Au assay std					2.61
dc	202011	252.0	29.375	0.24	0.002	0.22
dc	202012	97.7				0.40
dc	202013	255.7	22.700	0.17	0.003	0.17
dc	202014	250.9	27.182	0.99	0.009	0.92
dc	202015	267.0	25.476	2.57	0.022	2.41
dc	202016	94.4				0.92
dc	202017	253.4	22.465	0.79	0.007	0.75
dc	202018	77.7				0.16
dc	202019	99.7				0.29
dc	202020	84.4				0.57
	Au assay std					2.47
dc	202021	284.0	24.165	0.17	0.002	0.16
dc	202022	291.9	24.356	0.48	0.001	0.44
p	202023					4.90
dc	202024	239.0	29.183	<0.05	0.001	<0.05
dc	202025	253.5	23.648	0.07	0.001	0.07
dc	202026	260.7	29.929	0.21	0.003	0.19
dc	202027	294.8	30.001	8.91	6.486	30.01
dc	202028	277.1	21.785	0.34	0.001	0.32

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05655

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
dc	202029	287.2	23.618	0.10	0.001	0.10
dc	202030	286.7	25.739	<0.05	<0.001	<0.05
	Au assay std					2.54
dc	202031	261.8	21.905	<0.05	0.001	<0.05
dc	202032	262.3	26.863	1.75	0.215	2.39
dc	202033	281.3	16.821	1.78	1.380	6.58
dc	202034	141.9	26.810	9.36	3.535	32.51
dc	202035	269.6	29.970	0.55	0.003	0.50
dc	202036	284.9	27.309	0.27	0.033	0.36
	Au assay std					2.57

Note: Sample pulps under 100gm assayed in entirety without metallics sieving.

Replicate assays (averaged above for metallics calculations):

202001	0.45
202001	0.51
202006	2.71
202006	2.57
202011	0.24
202011	0.27
202017	0.79
202017	0.75
202022	0.41
202022	0.51
202027	8.33
202027	9.46
202033	1.65
202033	1.89
202036	0.27
202036	0.31

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05655

Certified by

Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
Replicate assays (weighted average for total Au reported above):					
202012					0.41
202012					0.51
202012					0.31
202016					0.93
202016					0.93
202016					0.92
202018					0.17
202018					0.14
202018					0.16
202019					0.31
202019					0.27
202019					0.29
202020					0.55
202020					0.58
202020					0.58

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99F0484

2036 Columbia St
Vancouver, B.C
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: W.O. 05655

36 Samples
36=Pulp

[048410:06:15:99061899]

Out: Jun 18, 1999
In : Jun 15, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0202001 P	3.1	15	364	136	1523	7	<	2	<	<	6.0	5	7	116	17	144	22	594	21	13	1	3	<	0.19	0.16	1.59	0.03	0.13	0.01	0.04
0202002 P	1.7	10	180	383	3524	51	<	2	<	<	9.6	10	6	190	21	122	27	948	26	22	2	5	<	0.25	0.27	3.23	0.03	0.18	0.01	0.07
0202003 P	3.6	9	190	221	4205	17	<	1	<	<	11.4	2	5	174	8	128	11	94	17	84	1	3	<	0.17	0.17	2.36	0.02	0.20	0.02	0.03
0202004 P	2.7	5	122	238	843	<	<	1	<	<	6.8	1	6	43	<	244	6	48	5	17	<	1	<	0.08	0.04	0.72	<	0.07	0.01	0.01
0202005 P	3.7	9	1114	539	4295	36	<	2	<	<	25.3	2	8	135	18	170	30	92	22	61	1	3	<	0.22	0.14	3.12	0.01	0.21	0.01	0.03
0202006 P	3.1	12	797	1119	4432	43	<	1	<	<	36.5	2	6	98	20	180	41	104	13	25	1	3	<	0.17	0.11	3.96	0.01	0.15	0.01	0.02
0202007 P	3.0	17	767	1297	6229	28	<	1	<	<	45.0	4	13	111	32	140	53	163	20	17	1	3	<	0.22	0.15	5.33	0.01	0.18	0.01	0.02
0202008 P	4.2	17	640	401	1689	17	<	1	<	<	11.0	5	5	238	<	260	43	930	30	16	1	2	<	0.58	0.23	2.30	0.11	0.27	0.02	0.05
0202009 P	1.9	12	313	643	1728	10	<	1	<	<	14.3	8	8	298	15	138	31	1127	36	20	1	5	<	0.73	0.34	3.12	0.14	0.31	0.02	0.08
0202010 P	7.2	9	1389	170	849	10	<	1	<	<	6.0	4	6	146	7	268	51	788	9	7	1	1	<	0.18	0.08	1.30	0.02	0.11	0.01	0.02
0202011 P	1.2	13	215	261	2496	7	<	<	<	<	8.0	8	8	302	18	136	27	1204	34	19	2	4	<	0.51	0.32	3.04	0.07	0.28	0.02	0.08
0202012 P	19.0	11	1249	106	332	13	<	1	<	<	3.2	2	6	99	16	310	34	258	6	9	1	1	0.01	0.25	0.12	0.93	0.06	0.11	0.02	0.02
0202013 P	0.1	11	37	112	886	6	<	1	<	<	4.0	10	7	213	8	153	17	1299	57	17	1	5	<	0.46	0.26	3.00	0.06	0.26	0.01	0.08
0202014 P	1.0	8	33	242	3573	9	<	1	<	<	4.7	15	7	197	8	98	14	1321	34	24	1	5	<	0.32	0.31	3.28	0.04	0.20	0.01	0.07
0202015 P	3.0	6	127	153	3037	11	<	1	<	<	5.9	1	5	127	<	111	9	76	27	51	1	3	<	0.26	0.14	1.68	0.02	0.22	0.01	0.03
0202016 P	1.6	19	109	381	2434	15	<	1	<	<	8.0	5	8	122	<	217	10	112	18	18	1	4	<	0.32	0.11	2.16	0.02	0.22	0.02	0.02
0202017 P	1.5	11	59	517	4345	13	<	1	<	<	7.1	6	7	152	6	71	11	142	30	50	1	7	<	0.32	0.21	3.41	0.03	0.22	0.02	0.05
0202018 P	2.9	19	34	156	1736	7	<	3	<	<	3.2	2	8	82	19	161	15	50	37	117	1	6	<	0.50	0.14	2.19	0.04	0.40	0.04	0.04
0202019 P	2.0	24	55	143	789	6	<	2	<	<	4.9	2	10	59	42	413	11	79	9	36	1	2	<	0.45	0.07	1.38	0.03	0.27	0.02	0.01
0202020 P	6.3	81	226	607	4992	19	<	4	<	<	14.5	5	21	150	223	234	33	238	25	60	2	4	<	0.52	0.30	3.80	0.05	0.33	0.04	0.05
0202021 P	1.7	10	36	215	1150	5	<	2	<	<	3.6	1	5	69	<	113	9	30	36	83	1	4	<	0.29	0.10	1.71	0.03	0.29	0.02	0.04
0202022 P	1.4	10	134	85	817	10	<	2	<	<	3.4	1	6	64	8	263	9	81	7	12	<	1	<	0.14	0.07	0.92	0.02	0.11	0.01	0.02
0202023 P	20.0	111	903	655	424	13	<	1	<	<	4.5	5	15	17	<	13	5	124	2	11	4	1	<	0.34	0.27	3.73	0.04	0.06	0.19	0.06
0202024 P	<	14	39	117	380	<	<	1	<	<	4.6	9	9	300	<	96	24	1814	45	15	2	5	<	0.44	0.28	3.10	0.05	0.23	0.02	0.09
0202025 P	<	8	26	90	548	<	<	2	<	<	4.1	9	5	244	<	87	21	1103	36	24	1	5	<	0.91	0.41	2.93	0.29	0.21	0.02	0.08
0202026 P	0.4	9	54	246	883	<	<	1	<	<	8.7	8	8	173	7	121	21	825	35	18	1	5	<	0.67	0.36	2.58	0.16	0.25	0.02	0.09
0202027 P	42.5	33	7112	2321	2280	90	4	2	<	<	96.3	1	5	18	<	230	12	123	<	4	<	<	<	0.06	0.05	0.85	0.02	0.03	0.01	0.01
0202028 P	4.0	8	794	404	1486	12	<	1	<	<	59.5	4	6	334	7	138	23	1627	25	19	1	2	<	0.42	0.25	1.91	0.05	0.27	0.02	0.08
0202029 P	0.4	14	55	136	622	9	<	2	<	<	6.7	8	6	182	<	80	18	786	32	16	1	4	<	0.56	0.33	2.61	0.15	0.22	0.02	0.09
0202030 P	<	12	24	133	314	<	<	2	<	<	5.4	10	12	305	<	89	23	726	35	25	2	5	0.01	1.21	0.47	2.81	0.41	0.26	0.02	0.09
0202031 P	<	11	20	251	562	5	<	1	<	<	6.0	8	5	194	<	78	25	721	37	24	2	6	<	1.11	0.43	3.51	0.29	0.25	0.02	0.09
0202032 P	0.2m	57	18311	1469	3208	50	<	2	<	<	23.4	2	7	30	<	255	75	106	5	11	<	1	<	0.15	0.10	1.02	0.03	0.08	0.01	0.02
0202033 P	5.3	15	836	437	1498	5	<	1	<	<	13.5	3	9	90	<	246	21	144	10	10	1	1	<	0.43	0.16	1.64	0.09	0.13	0.02	0.03
0202034 P	18.4	13	2803	1139	1.5%	18	<	1	<	<	96.0	2	5	46	10	202	56	94	9	28	1	1	<	0.17	0.62	3.27	0.02	0.11	0.01	0.04
0202035 P	0.7	11	101	226	1942	<	<	2	<	<	7.1	8	9	243	<	99	38	688	31	20	2	4	0.02	0.88	0.38	3.30	0.28	0.29	0.03	0.08
0202036 P	<	9	56	78	818	<	<	<	<	<	3.7	8	6	236	<	88	29	817	28	23	2	5	0.01	1.03	0.57	3.22	0.33	0.28	0.03	0.09
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05657

Certified by

	Sample #	Ag g/mt	rep Ag g/mt	
p	202037	10.4		
dc	202038	<1.0		
dc	202039	<1.0		
dc	202040	<1.0		
dc	202041	33.6	28.5	31.9
dc	202042	5.2		
dc	202043	1.4		
dc	202044	9.1		
dc	202045	<1.0		
dc	202046	<1.0	<1.0	
dc	202047	1.7		
dc	202048	4.6		
dc	202049	1.1		
dc	202050	<1.0		
dc	202051	<1.0	<1.0	
dc	202052	<1.0		
dc	202053	<1.0		
dc	202054	<1.0		
dc	202055	2.2		
dc	202056	2.4		
dc	202057	4.5		
	CR std	69.3		
dc	202058	5.6		
dc	202059	<1.0		
dc	202060	1.3		
dc	202061	<1.0		
dc	202062	1.2		
dc	202071	<1.0	<1.0	
dc	202072	<1.0		
dc	202073	<1.0		

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05657

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
dc	202074	6.0	
dc	202075	4.7	
dc	202076	152.8	156.6
dc	202077	66.0	
dc	202078	4.0	
dc	202079	<1.0	
dc	202080	1.0	
dc	403701	13.7	13.9
dc	403702	1.0	
dc	403703	<1.0	
dc	403704	1.6	
dc	403705	7.3	
	CR std	72.4	
dc	403706	<1.0	
dc	403707	2.9	
dc	403708	1.2	1.3
dc	403709	9.9	
dc	403710	1.5	
dc	403711	4.7	
dc	403712	43.8	
dc	403713	2.8	2.7
dc	403714	30.1	
dc	403715	39.9	
dc	403716	<1.0	
dc	403717	<1.0	
dc	403718	3.4	3.5
dc	403719	<1.0	
	CR std	68.8	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05657

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
p	202037					1.30
dc	202038	270.0	23.934	0.08	0.001	0.08
dc	202039	274.6	29.981	<0.05	<0.001	<0.05
dc	202040	238.6	19.430	0.18	0.002	0.17
dc	202041	140.8	11.701	58.66	5.353	91.80
dc	202042	270.5	29.752	5.34	0.378	6.15
dc	202043	234.5	29.915	0.92	0.084	1.16
dc	202044	250.8	25.195	2.17	0.113	2.40
dc	202045	252.4	24.949	0.14	0.001	0.13
dc	202046	242.7	27.068	<0.05	<0.001	<0.05
dc	202047	243.4	29.980	0.18	0.002	0.17
	Au geochem std					0.64
dc	202048	171.9	29.240	0.85	0.329	2.62
dc	202049	233.0	19.390	0.42	0.004	0.40
dc	202050	224.3	12.394	0.25	0.002	0.25
dc	202051	267.4	29.208	0.06	0.011	0.09
dc	202052	267.7	24.134	0.13	0.001	0.12
dc	202053	248.1	22.549	<0.05	<0.001	<0.05
dc	202054	263.0	29.654	<0.05	<0.001	<0.05
dc	202055	246.5	29.852	0.28	0.002	0.25
dc	202056	267.7	28.985	0.22	0.004	0.21
dc	202057	268.6	27.161	0.50	0.005	0.47
	Au geochem std					0.64
dc	202058	291.5	20.050	0.58	0.264	1.45
dc	202059	285.9	19.184	<0.05	<0.001	<0.05
dc	202060	274.6	27.091	0.65	0.014	0.64
dc	202061	267.3	28.022	<0.05	0.001	<0.05
dc	202062	279.3	18.850	<0.05	0.001	<0.05
dc	202071	271.5	15.593	<0.05	<0.001	<0.05
dc	202072	270.2	17.508	<0.05	0.001	<0.05

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05657

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
dc	202073	269.9	26.711	0.10	0.002	0.10
dc	202074	276.4	19.113	1.78	0.265	2.62
dc	202075	280.1	18.513	0.82	0.005	0.79
	Au assay std					2.54
dc	202076	218.5	18.040	3.77	3.677	20.29
dc	202077	255.2	22.544	204.66	13.242	238.47
dc	202078	265.3	25.365	0.69	0.047	0.80
dc	202079	261.3	16.661	0.14	0.002	0.14
dc	202080	277.9	28.683	0.62	0.022	0.63
dc	403701	242.7	27.972	6.34	0.359	7.09
dc	403702	263.3	26.451	0.48	0.007	0.46
dc	403703	260.5	25.454	0.31	0.002	0.29
dc	403704	261.4	22.564	0.21	0.003	0.20
dc	403705	264.0	29.352	1.34	0.847	4.40
	Au assay std					2.47
dc	403706	268.6	13.837	0.34	0.001	0.33
dc	403707	285.6	18.529	3.70	0.060	3.67
dc	403708	271.2	26.634	0.79	0.010	0.75
dc	403709	267.4	26.014	5.83	0.109	5.67
dc	403710	284.6	18.486	0.79	0.017	0.80
dc	403711	290.3	24.460	1.51	0.055	1.57
dc	403712	268.2	27.822	86.57	24.949	170.62
dc	403713	264.8	28.034	2.06	0.017	1.90
dc	403714	273.8	29.718	73.75	23.268	150.72
dc	403715	272.1	29.641	128.23	17.985	180.35
	Au assay std					2.37
dc	403716	273.6	23.676	2.88	0.070	2.89
dc	403717	272.4	25.015	0.24	0.003	0.23
dc	403718	287.2	16.175	1.51	0.012	1.47
dc	403719	254.7	20.136	0.24	0.015	0.28

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05657

Certified by

Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
Au assay std					2.50
Replicate assays (averaged above for metallics calculations):					
202038			0.08		
202038			0.09		
202041			58.66		
202041			60.52		
202043			0.94		
202043			0.89		
202049			0.39		
202049			0.45		
202054			<0.05		
202054			<0.05		
202060			0.65		
202060			0.65		
202071			<0.05		
202071			<0.05		
202076			3.77		
202076			3.77		
202078			0.58		
202078			0.79		
403709			5.66		
403709			5.97		
403714			86.57		
403714			60.28		
403714			72.69		
403716			2.47		
403716			3.29		
403718			1.54		
403718			1.44		

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 99F0485

Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: W.O. 05657

54 Samples
54=Pulp

[048510:06:01:99061899]

Out: Jun 18, 1999
In : Jun 15, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
202038	P <	21	98	90	2367	5	<	3	<	<	3.7	9	10	412	10	136	38	1209	43	20	2	3	<	0.51	0.35	2.21	0.07	0.27	0.02	0.08
202039	P <	11	51	79	1052	5	<	1	<	<	8.2	9	4	323	10	59	36	796	31	20	2	5	0.04	0.86	0.35	2.99	0.28	0.41	0.03	0.08
202040	P 0.8	9	63	661	1405	11	<	1	<	<	10.9	8	6	146	9	52	21	411	42	33	1	5	<	0.40	0.21	2.46	0.05	0.23	0.01	0.06
202041	P 25.0	42	3593	1997	2992	26	<	1	<	<	32.3	25	10	224	35	97	68	3422	23	20	1	3	<	0.57	0.24	3.48	0.09	0.23	0.02	0.05
202042	P 6.0	11	628	390	2828	12	<	1	<	<	11.0	8	6	140	5	114	26	331	30	18	1	3	<	0.56	0.27	2.12	0.09	0.24	0.02	0.05
202043	P 2.0	8	498	325	3714	9	<	1	<	<	11.7	5	5	137	<	66	30	134	32	20	1	4	<	0.75	0.40	2.64	0.14	0.27	0.02	0.08
202044	P 8.8	12	2179	320	6556	19	<	1	<	<	12.6	2	8	77	12	162	75	150	16	17	1	1	<	0.25	0.34	2.45	0.02	0.16	0.01	0.04
202045	P 0.3	9	66	122	616	<	<	1	<	<	5.8	7	5	245	<	59	26	856	38	23	1	4	0.01	1.23	0.40	2.95	0.34	0.33	0.03	0.09
202046	P 0.2	7	171	191	424	<	<	1	<	<	5.9	7	4	198	9	39	30	669	40	27	1	4	0.01	1.60	0.45	3.01	0.56	0.28	0.03	0.08
202047	P 1.8	17	859	786	2680	34	<	1	<	<	16.4	6	4	260	26	54	31	1084	26	26	2	3	<	0.78	0.66	2.95	0.15	0.34	0.02	0.18
202048	P 5.2	12	943	145	401	11	<	1	<	<	4.4	2	6	116	<	293	37	305	14	8	<	2	<	0.39	0.17	1.08	0.04	0.22	0.02	0.05
202049	P 1.3	14	90	211	1998	12	<	3	<	<	6.7	7	6	173	17	48	21	656	33	20	1	4	<	0.56	0.32	3.58	0.13	0.24	0.01	0.08
202050	P 0.4	10	120	199	2408	13	<	1	<	<	5.5	11	2	271	6	40	21	1036	35	21	1	5	<	0.53	0.39	3.13	0.11	0.22	0.02	0.09
202051	P <	9	31	59	405	<	<	2	<	<	2.6	7	6	356	<	45	31	1055	31	20	2	4	0.03	0.90	0.33	2.67	0.27	0.34	0.04	0.08
202052	P <	10	78	98	2216	<	<	2	<	<	3.9	6	4	556	<	105	38	1514	38	18	1	2	<	0.63	0.29	2.50	0.07	0.34	0.02	0.08
202053	P <	13	40	105	631	7	<	1	<	<	5.2	10	4	474	8	42	29	1912	52	27	2	6	<	0.98	0.37	3.64	0.25	0.31	0.02	0.09
202054	P <	11	18	79	377	<	4	2	<	<	3.7	8	5	328	<	108	32	824	38	23	1	6	0.01	1.49	0.40	3.22	0.34	0.43	0.04	0.08
202055	P 2.3	15	286	376	2274	12	<	2	<	<	13.7	9	9	406	12	138	28	836	44	20	1	4	<	1.11	0.36	3.45	0.11	0.60	0.02	0.09
202056	P 2.4	18	939	654	1410	27	<	2	<	<	17.0	11	10	514	33	119	31	2374	36	26	1	6	<	0.87	0.33	3.51	0.08	0.49	0.02	0.10
202057	P 4.7	18	798	1363	2020	78	<	<	<	<	17.7	6	8	229	48	105	37	1009	28	14	1	4	<	0.61	0.24	3.48	0.11	0.27	0.01	0.05
202058	P 5.9	16	1587	166	227	17	<	2	<	<	2.8	1	5	25	<	252	46	212	<	2	<	<	<	0.06	0.02	0.52	0.01	0.03	0.01	<
202059	P <	8	34	70	55	<	<	2	<	<	2.8	10	5	492	<	93	60	674	28	40	2	5	0.16	1.64	0.97	2.92	0.80	0.82	0.11	0.07
202060	P 1.4	14	179	272	1256	22	<	2	<	<	13.7	8	10	417	17	122	24	2456	33	23	1	5	<	0.54	0.70	3.62	0.10	0.26	0.02	0.09
202061	P 0.5	11	75	165	843	24	<	1	<	<	5.3	9	9	272	6	65	26	1099	35	28	1	5	0.01	0.93	1.06	3.40	0.26	0.28	0.02	0.09
202062	P 1.2	13	36	74	268	5	<	2	<	<	3.3	8	3	145	<	88	13	1134	39	81	1	6	<	0.47	3.03	3.05	0.28	0.26	0.01	0.08
202071	P <	10	20	63	306	<	<	3	<	<	2.7	12	7	463	<	76	23	1795	43	23	1	6	<	0.94	0.43	3.33	0.20	0.26	0.02	0.08
202072	P <	11	14	62	284	<	<	<	<	<	2.3	7	6	378	<	103	32	625	30	17	2	5	0.01	0.98	0.34	2.58	0.17	0.38	0.04	0.08
202073	P 0.9	8	33	282	574	8	<	2	<	<	4.7	11	5	347	21	64	20	1415	39	17	1	5	<	0.45	0.29	3.20	0.07	0.22	0.01	0.09
202074	P 6.4	20	657	997	5879	27	<	1	<	<	25.7	9	5	230	30	98	29	988	35	23	2	4	<	0.30	0.40	4.05	0.03	0.21	0.01	0.07
202075	P 4.4	40	1114	1057	2534	56	<	1	<	<	23.5	5	9	95	29	84	32	323	27	12	2	3	<	0.26	0.25	3.15	0.03	0.17	0.02	0.06
202076	P 0.2m	341	3436	1720	2894	229	5	<	<	<	42.0	4	5	79	43	160	36	589	10	9	1	2	<	0.20	0.16	2.40	0.02	0.14	0.01	0.03
202077	P 0.1m	183	12721	2874	3309	101	<	1	<	<	44.0	2	5	26	32	166	505	115	4	8	1	1	<	0.15	0.12	1.88	0.03	0.07	0.01	0.02
202078	P 4.8	28	1075	939	1301	31	<	<	<	<	17.8	22	8	98	9	91	61	125	30	16	1	4	<	0.88	0.37	3.41	0.27	0.24	0.02	0.08
202079	P 1.0	16	133	194	1308	62	<	1	<	<	6.8	11	5	475	14	99	27	2085	41	33	1	4	<	0.64	0.34	4.05	0.18	0.23	0.01	0.08
202080	P 1.4	14	76	110	682	13	<	2	<	<	4.2	7	6	164	7	235	16	537	23	13	1	2	<	0.52	0.17	2.18	0.09	0.23	0.02	0.04
0403701	P 20.5	49	3231	1385	3178	17	<	6	<	<	13.5	2	9	61	<	154	235	414	7	12	1	1	<	0.41	0.20	2.37	0.10	0.08	0.01	0.03
0403702	P 1.4	11	282	585	1692	5	<	1	<	<	12.6	9	4	219	<	67	43	919	33	20	2	4	<	0.71	0.38	2.98	0.18	0.23	0.02	0.09
0403703	P 1.0	10	328	450	1485	7	<	1	<	<	9.6	8	6	233	<	61	51	860	31	19	3	4	0.03	0.77	0.38	3.24	0.25	0.26	0.02	0.08
0403704	P 1.9	12	510	589	1067	6	<	<	<	<	16.8	9	5	243	<	74	37	1043	45	16	2	4	<	0.59	0.35	2.65	0.15	0.22	0.01	0.09
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 99F0485

2036 Columbia St
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: W.O. 05657

54 Samples
54=Pulp

[048510:06:01:99061899]

Out: Jun 18, 1999
In : Jun 15, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0403705	P	5.0	19	1142	650	316	10	<	<	<	<	7.9	1	5	45	5	183	92	177	4	12	1	1	< 0.19	0.47	0.84	0.05	0.04	0.01	0.15
0403706	P	1.0	12	883	959	706	11	<	1	<	<	15.0	9	11	248	<	108	42	782	42	22	2	5	< 0.99	0.60	3.33	0.26	0.31	0.02	0.18
0403707	P	3.1	13	908	602	1083	12	<	1	<	<	8.1	1	8	43	<	248	69	176	3	8	1	<	< 0.17	0.17	1.21	0.04	0.05	0.01	0.05
0403708	P	1.5	9	294	898	4614	8	<	1	<	<	17.7	11	9	406	<	85	60	1452	37	25	2	4	< 0.44	0.49	3.78	0.06	0.24	0.01	0.12
0403709	P	8.5	34	4687	2239	9966	55	<	10	<	<	38.6	7	24	221	10	75	120	1558	22	34	3	4	< 1.01	0.63	8.02	0.22	0.19	0.01	0.09
0403710	P	1.5	24	1090	694	2311	18	<	2	<	<	24.2	8	16	154	<	73	63	832	40	20	3	5	< 0.53	0.38	3.71	0.10	0.21	0.01	0.11
0403711	P	2.0	9	619	280	267	8	<	2	<	<	4.4	2	5	17	<	216	38	70	2	6	1	1	< 0.09	0.20	0.64	0.02	0.02	0.01	0.07
0403712	P	72.7	61	16357	1480	1.2%	35	<	2	<	<	36.8	2	11	33	5	146	932	71	3	37	1	1	< 0.23	0.74	4.27	0.05	0.03	0.01	0.17
0403713	P	2.6	8	455	474	2935	15	<	2	<	<	11.0	2	9	82	<	121	50	73	22	8	1	3	< 0.20	0.18	2.05	0.02	0.14	0.01	0.05
0403714	P	20.0	29	4408	2410	2169	26	<	<	<	<	35.4	3	8	236	6	169	236	1703	8	12	3	2	0.01	0.65	0.16	3.43	0.12	0.06	0.01	0.03
0403715	P	40.0	45	6011	2224	2728	15	<	1	<	<	20.5	2	6	67	<	200	437	263	3	8	1	1	< 0.27	0.12	1.61	0.05	0.03	0.01	0.02
0403716	P	1.0	10	241	626	1108	<	<	2	<	<	12.5	11	8	377	<	93	39	1098	36	25	2	5	< 1.10	0.47	3.20	0.38	0.24	0.02	0.09
0403717	P	1.0	9	642	635	875	7	<	<	<	<	8.9	9	8	219	<	99	35	959	46	13	1	6	< 0.57	0.31	2.75	0.08	0.25	0.01	0.10
0403718	P	3.1	8	678	464	1237	6	<	1	<	<	7.5	2	7	79	<	199	31	198	7	6	1	1	< 0.22	0.09	1.42	0.03	0.09	0.01	0.02
0403719	P	0.7	11	258	1334	373	<	<	1	<	<	7.5	8	10	412	<	86	40	904	35	28	2	5	0.01	1.81	0.50	3.19	0.63	0.28	0.03	0.09
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

22/06/99 Certificate of Analysis

Barramundi Gold WO# 05660

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	202063	259.3	24.686	1.41	0.008	1.30
r	202064	240.2	27.471	0.14	0.004	0.14
r	202065	261.6	29.383	0.51	0.005	0.48
r	202066	234.9	27.484	0.31	0.005	0.29
r	202067	250.2	25.190	0.14	0.001	0.13
r	202068	242.0	29.435	0.10	0.002	0.10
r	202069	265.4	26.535	0.10	0.001	0.10
r	202070	273.0	24.214	0.24	0.001	0.22
p	202081					4.39
r	202082	206.4	28.322	0.41	0.005	0.38
	Au assay std 2					2.16
r	202083	254.9	21.116	<0.05	<0.001	<0.05
r	202084	246.1	23.750	0.10	0.001	0.10
r	202085	229.9	28.019	0.24	0.002	0.22
r	202086	258.8	24.985	<0.05	<0.001	<0.05
r	202087	256.7	29.815	<0.05	0.001	<0.05
r	202088	251.9	21.302	0.07	0.002	0.07
r	202089	250.4	27.973	0.10	0.003	0.10
r	202090	231.8	27.232	0.55	0.007	0.51
r	202091	126.0	29.509	5.04	1.998	19.72
r	202092	215.7	28.215	0.38	0.005	0.35
	Au assay std 2					2.06
r	202093	262.5	17.180	0.70	0.003	0.67
r	202094	263.1	25.802	<0.05	<0.001	<0.05
r	202095	255.8	29.737	0.41	0.007	0.39
r	202096	222.9	26.760	0.14	0.005	0.14
r	202097	110.0	27.517	0.86	0.131	1.83
r	202098	272.7	24.961	1.41	0.013	1.32
p	202099					1.41
r	202100	254.8	24.131	<0.05	<0.001	<0.05

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05660

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	202101	278.2	29.584	0.69	0.011	0.65
r	202102	267.6	28.899	0.10	0.001	0.10
	Au assay std					2.43
r	202103	269.2	29.873	0.21	0.018	0.25
r	202104	244.2	25.710	1.61	0.023	1.54
r	202105	256.4	26.303	0.69	0.007	0.64
r	202106	260.8	28.431	1.44	0.031	1.40
r	202107	268.0	29.372	0.38	0.005	0.35
r	202108	242.2	25.160	9.70	6.507	35.56
	rep split 202108	77.5				36.12
r	202109	216.5	23.682	0.77	0.007	0.72
r	202110	229.7	29.073	0.27	0.002	0.25
r	202111	261.6	29.745	0.89	0.007	0.82
r	202112	249.3	26.881	0.48	0.003	0.44
	Au assay std					2.50
r	202113	239.3	27.595	0.89	0.009	0.83
r	202114	238.0	27.864	0.07	0.001	0.06
r	202115	274.6	25.640	<0.05	0.001	<0.05
r	202116	250.1	22.434	0.10	0.001	0.10
r	202117	278.8	28.188	0.21	0.105	0.56
r	202118	264.5	26.736	0.07	0.096	0.42
r	202119	224.3	25.657	0.14	0.001	0.13
r	202120	247.5	26.877	0.31	0.002	0.28
r	202121	248.1	29.067	<0.05	<0.001	<0.05
r	202122	261.5	25.323	0.34	0.002	0.32
	Au assay std 2					2.13
r	202123	236.3	27.088	0.21	0.002	0.19
r	202124	253.8	28.020	0.93	0.004	0.84
r	202125	263.6	27.480	<0.05	<0.001	<0.05
r	202126	263.0	26.889	0.72	0.006	0.67

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05660

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	202127	261.1	22.806	0.51	0.002	0.48
r	202128	260.4	22.148	0.48	0.008	0.47
r	202129	265.8	21.821	0.55	0.001	0.51
r	202130	256.8	28.650	0.48	0.013	0.48
r	202131	260.8	24.991	0.48	0.001	0.44
p	202132					4.49
	Au assay std 2					2.06
r	202133	250.8	28.863	31.92	41.103	192.14
r	202134	242.3	29.495	0.17	0.014	0.21
r	202135	249.5	28.589	<0.05	0.001	<0.05
r	202136	233.2	28.454	0.10	0.002	0.10
r	202137	245.4	28.848	0.48	0.006	0.45
r	202138	257.0	27.905	<0.05	<0.001	<0.05
r	202139	257.4	28.633	0.07	0.055	0.27
r	202140	259.3	24.825	0.24	<0.001	0.22
r	202141	244.5	27.581	0.17	0.002	0.16
r	202142	175.3	24.214	1.20	0.007	1.07
	Au assay std 2					2.02
r	202143	261.4	27.666	19.47	14.608	73.29
r	202144	185.7	21.000	2.88	0.105	3.12
r	202145	262.0	28.201	7.27	7.047	33.39
	rep split 202145	272.6	28.125	10.56	4.451	25.80
r	202146	249.3	24.593	1.20	0.034	1.22
r	202147	251.3	28.127	0.51	0.001	0.46
r	202148					4.49
r	202149	236.0	27.980	0.27	0.010	0.28
r	403719	275.2	27.677	0.79	0.010	0.75
r	403720	261.5	28.692	1.99	2.902	12.87
r	403721	239.0	27.197	1.47	0.027	1.42
	Au assay std 2					2.09

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05660

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	403722	249.9	29.428	1.47	0.088	1.65
r	403723	270.3	28.341	4.22	7.827	32.73
	rep split 403723	265.3	28.314	4.42	10.067	41.90
r	403724	286.2	30.006	0.41	0.028	0.47
r	403725	227.5	23.780	0.62	0.007	0.58
r	403726	257.1	24.368	0.55	0.005	0.52
r	403727	269.8	25.658	<0.05	0.001	<0.05
r	403728	274.5	27.841	2.88	21.942	82.52
r	403729	267.6	27.633	0.48	0.292	1.52
r	403730	256.5	28.382	0.27	0.002	0.25
	Au assay std 2					2.06

Replicate assays (averaged above for metallics calculations):

202065	0.51
202065	0.48
202070	0.24
202070	0.27
202086	<0.05
202086	<0.05
202093	0.65
202093	0.75
202098	1.30
202098	1.51
202099	1.41
202099	1.44
202104	1.61
202104	1.61
202109	0.75
202109	0.79
202117	0.21

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05660

Certified by

Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
202117			0.17		
202122			0.34		
202122			0.38		
202123			0.21		
202123			0.24		
202128			0.48		
202128			0.51		
202134			0.17		
202134			0.21		
202139			0.07		
202139			0.07		
202145			6.45		
202145			8.09		
403719			0.82		
403719			0.75		
403722			0.96		
403722			0.99		
403723			4.49		
403723			4.35		
403727			<0.05		
403727			0.07		

Replicate assays (entire split assayed; weighted average for total Au reported above):

202108	29.18
202108	47.35
202108	29.73

Northern
Analytical
Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05660

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	202063	1.8	1.4
r	202064	<1.0	
r	202065	<1.0	
r	202066	1.0	
r	202067	37.0	
r	202068	1.1	1.1
r	202069	<1.0	
r	202070	<1.0	
p	202081	19.5	
r	202082	3.7	
r	202083	<1.0	<1.0
r	202084	1.1	
r	202085	2.2	
r	202086	<1.0	
r	202087	<1.0	
r	202088	<1.0	
r	202089	<1.0	
r	202090	1.3	
r	202091	68.7	
r	202092	1.8	
	CR std	69.4	
r	202093	1.7	
r	202094	<1.0	<1.0
r	202095	1.1	
r	202096	1.0	
r	202097	74.6	
r	202098	51.7	
p	202099	10.1	9.9
r	202100	<1.0	
r	202101	7.9	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold

WO# 05660

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	202102	4.6	
r	202103	207.8	
r	202104	8.5	8.0
r	202105	11.5	
r	202106	16.3	
r	202107	1.2	
r	202108	27.1	
r	202109	<1.0	
r	202110	<1.0	
r	202111	1.8	
r	202112	<1.0	
	CR std	69.5	
r	202113	<1.0	
r	202114	<1.0	
r	202115	<1.0	<1.0
r	202116	<1.0	
r	202117	<1.0	
r	202118	<1.0	
r	202119	<1.0	
r	202120	<1.0	<1.0
r	202121	<1.0	
r	202122	<1.0	
r	202123	1.7	
r	202124	2.8	
r	202125	<1.0	<1.0
r	202126	1.1	
r	202127	1.4	
r	202128	<1.0	
r	202129	1.2	
r	202130	1.0	

Northern
Analytical
Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05660

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	202131	<1.0	
p	202132	19.7	
	CR std	68.5	
r	202133	178.9	201.7
r	202134	<1.0	
r	202135	<1.0	
r	202136	<1.0	
r	202137	<1.0	
r	202138	<1.0	
r	202139	<1.0	
r	202140	<1.0	
r	202141	1.1	1.1
r	202142	2.2	
r	202143	49.8	
r	202144	2.8	
r	202145	28.0	
r	202146	2.2	
r	202147	<1.0	
r	202148	19.2	
r	202149	<1.0	
r	403719	1.9	
r	403720	11.6	
r	403721	2.6	
	CR std	69.3	
r	403722	1.6	
r	403723	52.7	
r	403724	3.1	
r	403725	1.9	
r	403726	1.8	
r	403727	<1.0	<1.0

Northern
Analytical
Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold

WO# 05660

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	403728	72.7	
r	403729	5.1	
r	403730	2.0	1.8
	CR std	68.8	

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 99F0487

2036 Main Mall
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: W.O. 05660

89 Samples
89=Pulp

[048710:05:22:99061899]

Out: Jun 18, 1999
In : Jun 15, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
202063	P 1.7	11	100	277	1595	5	<	2	<	<	8.0	7	9	237	22	73	28	860	27	17	2	4	< 0.63	0.29	2.96	0.14	0.23	0.02	0.06
202064	P 0.9	9	69	173	599	9	<	1	<	<	6.3	9	7	344	26	63	21	1228	43	12	1	4	< 0.37	0.24	3.83	0.05	0.22	0.01	0.08
202065	P 1.3	10	79	228	1980	<	<	2	<	<	5.3	9	<	329	39	70	26	1483	32	16	1	5	< 0.35	0.29	3.27	0.04	0.22	0.01	0.07
202066	P 1.3	16	210	283	883	7	<	1	<	<	7.3	9	5	301	23	37	26	1334	31	20	1	4	< 0.72	0.35	3.17	0.22	0.21	0.02	0.08
202067	P 36.0	76	798	112	117	90	<	1	<	<	3.4	1	5	16	<	219	12	131	<	1	<	<	< 0.04	0.01	0.37	0.01	0.02	0.01	<
202068	P 1.4	17	205	312	1127	5	<	2	<	<	8.8	8	5	188	12	46	22	922	37	20	1	5	0.01	0.71	0.41	2.55	0.28	0.28	0.02	0.09
202069	P 0.1	11	27	86	990	<	<	2	<	<	3.3	9	6	359	<	87	38	937	29	33	2	4	0.08	1.08	0.75	2.89	0.45	0.43	0.05	0.07
202070	P 0.4	11	52	154	2687	5	<	<	<	<	4.5	9	6	344	13	65	33	1258	36	23	2	4	0.01	0.79	0.38	3.05	0.22	0.31	0.03	0.08
202081	P 20.0	113	926	652	444	11	<	<	<	<	3.7	4	13	20	<	11	5	143	2	11	4	1	< 0.36	0.28	3.76	0.05	0.06	0.20	0.07
202082	P 3.8	15	872	186	1064	25	<	2	<	<	6.5	4	8	200	8	257	25	279	13	13	1	2	< 0.66	0.14	1.93	0.07	0.32	0.04	0.03
202083	P <	12	25	100	301	<	<	1	<	<	2.6	9	5	236	<	58	49	509	29	26	2	3	0.14	1.27	0.74	2.67	0.48	0.30	0.06	0.07
202084	P 1.2	10	107	189	1039	6	<	2	<	<	12.5	11	6	372	36	49	28	1647	50	18	1	5	< 0.55	0.34	3.00	0.10	0.23	0.02	0.08
202085	P 2.1	10	498	195	3198	9	<	<	<	<	10.5	5	5	227	49	62	28	928	26	16	2	2	< 0.33	0.31	2.28	0.04	0.20	0.02	0.07
202086	P 0.5	8	31	199	654	<	<	1	<	<	5.1	8	6	294	19	40	28	699	35	24	1	5	0.01	1.18	0.41	3.08	0.31	0.29	0.03	0.08
202087	P 0.6	12	32	175	493	18	<	2	<	<	5.2	9	8	218	15	53	24	938	33	26	2	5	< 0.98	0.39	3.19	0.31	0.27	0.02	0.08
202088	P 1.1	10	76	265	556	16	<	1	<	<	13.2	9	7	311	15	38	21	1836	33	24	1	5	< 0.59	0.33	2.99	0.15	0.23	0.01	0.08
202089	P 1.2	10	299	354	754	40	<	2	<	<	10.2	9	5	351	31	42	21	2309	38	33	1	5	< 0.44	0.29	3.07	0.09	0.23	0.01	0.08
202090	P 1.4	14	204	369	1708	14	<	<	<	<	14.4	4	4	101	19	51	24	322	34	14	1	5	< 0.45	0.30	2.78	0.05	0.26	0.01	0.08
202091	P 81.7	216	2292	451	1457	131	<	1	<	<	14.9	2	5	29	12	209	136	319	4	5	<	1	< 0.11	0.06	1.25	0.01	0.07	0.01	0.01
202092	P 2.3	14	292	614	2493	13	<	1	<	<	12.8	9	5	225	19	30	29	1065	33	24	1	4	< 1.09	0.43	3.31	0.41	0.22	0.02	0.08
202093	P 2.0	16	341	157	9092	15	<	2	<	<	5.4	6	6	141	18	65	19	707	26	36	1	3	< 0.36	0.60	2.75	0.06	0.21	0.01	0.07
202094	P <	12	21	91	438	<	<	1	<	<	2.5	7	6	233	10	58	21	671	30	16	2	5	0.01	0.73	0.32	2.94	0.18	0.26	0.03	0.08
202095	P 1.5	9	48	344	2915	30	<	1	<	<	7.0	15	6	300	17	37	14	1455	32	18	1	5	< 0.29	0.33	2.95	0.03	0.18	0.01	0.08
202096	P 1.6	15	170	363	1334	25	<	1	<	<	7.7	21	6	433	32	57	16	2419	35	20	1	6	< 0.46	0.33	2.03	0.06	0.26	0.01	0.09
202097	P 88.3	122	1729	323	2233	218	<	1	<	<	16.5	3	12	108	8	505	56	220	6	8	<	1	< 0.37	0.10	2.01	0.02	0.22	0.01	0.01
202098	P 61.8	95	1018	814	5973	111	<	1	<	<	29.0	4	6	124	21	96	27	212	22	46	1	4	< 0.29	0.28	3.29	0.04	0.21	0.01	0.04
202099	P 9.8	34	39	70	195	<	<	2	<	<	3.6	22	41	272	<	64	68	1545	13	20	7	7	0.01	2.43	1.10	3.58	0.19	0.16	0.02	0.03
202100	P 0.5	9	23	80	167	<	<	1	<	<	2.7	7	5	245	<	41	45	322	26	27	2	5	0.07	1.33	0.47	2.80	0.49	0.35	0.06	0.07
202101	P 8.5	31	1414	1260	1003	7	<	1	<	<	8.7	7	7	193	29	45	58	961	34	13	2	5	< 0.45	0.26	2.80	0.08	0.22	0.02	0.08
202102	P 5.1	43	205	712	1272	48	<	2	<	<	12.0	8	4	182	7	48	21	1057	41	17	2	5	< 0.43	0.31	2.78	0.07	0.23	0.02	0.08
202103	P 0.2m	387	1682	872	670	298	<	<	<	<	18.8	2	5	58	6	189	11	408	3	4	<	<	< 0.10	0.06	0.65	0.02	0.05	0.01	0.01
202104	P 7.6	41	1204	1640	2331	134	<	<	<	<	22.0	10	8	461	49	93	37	2826	33	22	2	4	< 0.43	0.27	4.31	0.08	0.22	0.01	0.06
202105	P 7.7	28	84	233	1636	17	<	12	<	<	9.3	3	7	98	24	74	17	185	33	13	1	4	< 0.40	0.24	2.75	0.03	0.26	0.02	0.08
202106	P 18.6	40	2743	843	1951	23	<	5	<	<	12.3	3	4	82	35	97	53	346	23	11	1	4	< 0.37	0.20	2.96	0.04	0.22	0.01	0.06
202107	P 1.6	12	256	553	4006	35	<	<	<	<	19.9	8	4	263	14	50	23	1337	41	23	2	4	< 0.36	0.38	3.00	0.05	0.20	0.01	0.07
202108	P 24.0	20	3361	992	1947	147	<	1	<	<	19.1	1	8	55	5	284	46	441	3	6	<	<	< 0.09	0.06	1.16	0.01	0.05	0.01	<
202109	P 1.1	7	213	470	1383	10	<	2	<	<	15.2	8	5	345	<	59	46	584	28	36	2	4	0.10	1.26	1.04	2.87	0.53	0.62	0.05	0.07
202110	P 1.0	9	40	36	356	9	<	1	<	<	2.5	4	7	168	8	77	13	900	38	40	1	4	< 0.46	0.19	2.76	0.06	0.27	0.02	0.07
202111	P 2.4	13	251	511	2429	9	<	1	<	<	16.2	5	8	210	58	55	27	1141	38	21	2	4	< 0.56	0.34	2.90	0.16	0.24	0.01	0.08
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL >9F0487

Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: W.O. 05660

89 Samples
89=Pulp

[048710:05:22:99061899]

Out: Jun 18, 1999
In : Jun 15, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
202112 P	0.9	8	88	251	2542	9	<	1	<	<	7.0	6	6	161	<	55	20	980	24	84	1	4	0.02	0.65	1.50	2.95	0.40	0.32	0.02	0.07
202113 P	1.2	11	34	112	4534	9	<	1	<	<	3.4	7	7	121	<	56	14	943	15	143	1	5	0.01	0.49	2.37	3.17	0.49	0.28	0.02	0.08
202114 P	0.3	10	29	77	2429	<	<	1	<	<	3.3	8	6	348	<	75	33	695	22	33	2	3	0.07	1.08	0.49	3.17	0.41	0.48	0.04	0.08
202115 P	0.1	7	26	130	588	10	<	1	<	<	3.6	10	9	260	10	54	17	2028	35	22	1	5	<	0.50	0.32	3.49	0.10	0.25	0.01	0.09
202116 P	0.3	9	23	64	368	<	<	1	<	<	2.8	10	8	206	5	88	15	1399	33	20	2	6	<	0.46	0.42	2.94	0.06	0.27	0.01	0.08
202117 P	<	11	19	45	342	<	<	3	<	<	2.3	6	6	226	<	60	13	711	16	27	2	4	<	0.53	2.81	2.25	0.13	0.22	0.03	0.07
202118 P	<	10	14	49	290	<	<	1	<	<	2.5	7	7	327	<	48	19	1068	26	23	2	3	0.02	0.78	2.47	2.59	0.25	0.28	0.03	0.08
202119 P	0.5	12	44	100	1428	<	<	1	<	<	3.9	7	6	254	12	71	20	615	18	19	2	3	0.01	0.56	0.68	2.94	0.14	0.29	0.03	0.08
202120 P	0.3	6	22	50	783	<	<	2	<	<	1.9	5	4	203	<	40	18	698	32	22	2	4	0.01	0.65	1.66	2.55	0.18	0.24	0.03	0.07
202121 P	<	7	13	49	133	<	<	<	<	<	1.9	5	6	209	7	40	21	752	33	27	1	4	0.01	0.90	2.24	2.44	0.32	0.22	0.03	0.08
202122 P	0.3	8	16	78	1107	10	<	1	<	<	3.3	9	8	398	8	50	25	1809	45	27	2	6	<	0.81	0.70	3.47	0.20	0.27	0.03	0.09
202123 P	1.6	8	77	330	1495	13	<	1	<	<	9.0	6	6	171	12	60	17	1110	35	33	1	5	<	0.50	1.16	3.65	0.13	0.28	0.01	0.08
202124 P	2.6	22	529	840	2066	56	<	1	<	<	8.4	7	10	170	63	68	50	1212	25	16	2	3	<	0.32	0.34	4.74	0.16	0.20	0.01	0.07
202125 P	0.2	5	14	30	89	<	<	1	<	<	0.8	1	4	16	<	218	2	103	<	1	<	<	<	0.04	0.04	0.42	0.01	0.02	0.01	<
202126 P	1.1	9	102	270	2030	31	<	<	<	<	7.2	7	7	139	26	49	23	415	31	16	2	4	<	0.55	0.35	3.47	0.15	0.28	0.02	0.08
202127 P	1.6	16	165	325	5344	37	<	1	<	<	8.3	7	9	106	20	64	22	320	25	21	2	3	<	0.48	0.39	3.75	0.12	0.26	0.01	0.08
202128 P	1.1	12	145	192	1443	30	<	1	<	<	5.7	2	8	92	16	203	11	316	7	7	1	1	<	0.18	0.13	1.62	0.03	0.12	0.01	0.02
202129 P	1.0	11	52	156	1922	12	<	<	<	<	4.5	5	2	168	18	59	24	675	33	27	2	4	0.01	0.65	1.20	2.48	0.21	0.26	0.02	0.08
202130 P	0.9	13	71	91	1.2%	12	<	1	<	<	4.2	7	7	78	<	74	12	1106	8	188	1	3	0.01	0.45	3.07	2.65	0.39	0.27	0.02	0.07
202131 P	1.0	16	195	212	3516	26	<	2	<	<	6.7	7	7	88	16	86	22	381	28	24	2	4	<	0.51	0.47	2.89	0.17	0.19	0.02	0.07
202132 P	19.9	115	886	637	388	12	<	1	<	<	3.8	5	11	21	<	11	5	125	2	11	4	1	<	0.36	0.26	3.69	0.05	0.06	0.19	0.06
202133 P	0.2m	40	2.4%	921	3608	0.6%	<	<	<	3	76.6	<	6	<	<	146	3	35	<	17	<	<	<	0.03	0.02	0.58	0.01	0.01	0.01	<
202134 P	0.6	8	249	74	94	60	<	1	<	<	2.9	11	4	440	<	58	59	631	38	30	2	4	0.19	1.44	0.87	2.93	0.77	0.73	0.07	0.07
202135 P	0.8	6	124	52	192	28	<	2	<	<	2.2	7	5	156	16	66	11	3531	30	41	1	5	<	0.39	0.57	2.90	0.07	0.23	0.01	0.08
202136 P	0.7	8	65	73	360	19	<	2	<	<	2.2	7	6	105	11	51	13	1116	39	38	1	5	<	0.37	0.39	3.07	0.05	0.23	0.01	0.08
202137 P	1.2	12	59	85	766	22	<	2	<	<	3.0	8	5	191	16	75	20	1198	36	43	1	5	<	0.32	0.19	4.23	0.05	0.22	0.01	0.07
202138 P	0.1	8	23	64	51	<	<	<	<	<	2.4	10	5	328	<	69	53	580	30	23	2	4	0.15	1.40	0.63	2.88	0.72	0.47	0.07	0.07
202139 P	<	9	22	55	220	<	<	2	<	<	1.9	6	6	282	<	57	30	645	30	19	2	4	0.03	0.93	0.39	2.69	0.33	0.29	0.04	0.08
202140 P	0.3	8	51	206	270	6	<	<	<	<	3.0	10	5	254	<	41	41	545	27	26	2	5	0.08	1.26	0.46	3.03	0.60	0.38	0.04	0.07
202141 P	1.3	7	110	320	1249	110	<	1	<	<	11.3	6	3	181	5	52	22	715	36	18	1	5	<	0.54	0.58	3.10	0.12	0.28	0.02	0.08
202142 P	2.3	19	589	655	2033	136	<	1	<	<	15.9	5	6	222	29	149	45	407	40	13	1	3	<	0.81	0.35	3.48	0.17	0.45	0.02	0.08
202143 P	46.0	35	5174	569	1294	930	<	<	<	<	15.9	1	5	11	<	179	63	81	2	4	<	<	<	0.05	0.04	0.63	0.02	0.03	0.01	<
202144 P	2.8	25	1842	1833	1.3%	246	<	1	<	<	94.0	3	5	101	42	51	47	269	17	37	1	2	<	0.29	0.70	4.22	0.11	0.21	0.01	0.07
202145 P	27.0	57	4214	6530	1.5%	539	<	<	<	<	0.3m	4	8	82	18	156	19	120	6	21	1	1	<	0.17	0.30	2.53	0.02	0.13	0.01	0.03
202146 P	2.4	10	355	1198	2949	29	<	1	<	<	29.5	6	6	121	<	48	20	610	27	55	1	4	0.01	0.68	1.20	2.14	0.25	0.32	0.02	0.08
202147 P	0.6	11	68	268	300	7	<	1	<	<	5.7	10	7	263	<	64	47	543	27	28	2	5	0.10	1.25	0.70	2.93	0.67	0.41	0.05	0.07
202148 P	19.9	111	880	643	414	12	<	<	<	<	4.2	4	13	17	<	10	5	127	2	11	4	1	<	0.35	0.27	3.67	0.05	0.06	0.19	0.06
202149 P	0.6	6	39	100	1521	6	<	2	<	<	3.2	6	5	141	<	45	16	588	14	75	2	4	0.02	0.55	2.63	2.51	0.32	0.26	0.02	0.06
0403719 P	1.8	13	606	1535	1692	26	<	<	<	<	23.7	9	11	220	<	90	79	1294	29	33	2	2	<	0.66	1.13	2.94	0.17	0.21	0.01	0.35
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS

iPL 99F0487

2036 Columbia St
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: W.O. 05660

89 Samples
89=Pulp

[048710:05:22:99061899]

Out: Jun 18, 1999
In : Jun 15, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0403720	P	9.5	11	3681	611	1259	17	<	1	<	<	11.3	<	4	18	<	144	91	81	3	4	1	<	<	0.07	0.07	0.56	0.01	0.04	0.01	0.01
0403721	P	2.4	27	545	772	5015	18	<	<	<	<	25.4	5	7	68	<	83	63	108	26	16	3	2	<	0.32	0.31	3.14	0.04	0.18	0.01	0.05
0403722	P	1.6	8	382	442	1034	8	<	2	<	<	19.8	3	4	126	<	80	30	601	28	7	6	2	<	0.27	0.13	1.87	0.02	0.19	0.01	0.03
0403723	P	28.0	61	9353	4643	862	282	<	<	<	<	21.8	1	6	23	<	240	110	120	3	6	1	<	<	0.10	0.05	0.89	0.02	0.05	0.01	0.01
0403724	P	2.9	8	786	115	166	91	<	1	<	<	2.5	1	5	7	<	273	35	51	<	1	<	<	<	0.05	0.01	0.45	<	0.02	0.01	<
0403725	P	1.8	13	1305	439	2965	81	<	1	<	<	13.1	1	3	73	<	120	59	50	21	7	5	1	<	0.28	0.13	1.56	0.01	0.19	0.01	0.02
0403726	P	2.5	22	1304	1815	4153	107	<	<	<	<	28.0	5	10	107	<	85	93	341	32	18	5	5	0.01	1.00	0.34	3.88	0.23	0.18	0.01	0.04
0403727	P	0.8	10	181	368	477	16	<	<	<	<	8.6	9	5	369	<	55	55	659	29	18	2	4	0.11	1.38	0.41	3.00	0.63	0.61	0.04	0.07
0403728	P	30.0	20	1720	254	1324	40	<	1	<	<	7.2	1	4	21	<	242	82	51	3	4	1	1	<	0.14	0.07	0.84	0.02	0.05	0.01	0.01
0403729	P	5.3	10	252	121	940	15	<	2	<	<	5.4	2	6	13	<	170	18	54	2	4	1	1	<	0.09	0.05	0.63	0.01	0.02	0.01	<
0403730	P	2.2	18	900	680	1956	35	<	<	<	<	27.0	5	6	123	<	59	75	435	26	13	3	3	<	0.44	0.30	2.87	0.10	0.15	0.01	0.08
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

29/06/99 Certificate of Analysis

Barramundi Gold WO# 05666

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	202150	253.2	26.976	0.21	0.002	0.19
r	202151	261.0	28.475	0.17	0.004	0.17
r	202152	252.4	26.487	0.07	0.001	0.07
r	202153	260.8	28.323	<0.03	<0.001	<0.03
r	202154	274.8	28.300	0.03	<0.001	0.03
r	202155	255.6	28.898	0.45	0.008	0.43
r	202156	128.1	29.503	0.65	0.004	0.53
r	202157	244.0	26.039	0.14	0.003	0.13
r	202158	244.6	26.772	0.24	0.001	0.22
r	202159	286.2	29.726	0.14	0.017	0.18
	Au assay std 2					2.09
r	202160	110.8	9.348	3.33	0.813	10.38
r	202161	145.2	7.504	4.90	1.811	17.12
r	202162	253.0	29.298	0.89	0.037	0.93
r	202163	273.7	21.750	0.58	0.008	0.57
r	202164	249.6	25.603	0.72	0.014	0.70
r	202165	120.7	29.515	0.27	0.011	0.30
r	202166	282.2	13.807	0.41	0.002	0.40
r	202167	252.9	28.990	0.07	0.001	0.06
r	202168	276.1	28.869	<0.03	<0.001	<0.03
r	202169	251.8	28.789	<0.03	<0.001	<0.03
	Au assay std 2					2.06
p	202170					1.37
r	202171	235.1	29.613	0.07	0.001	0.06
r	202172	265.4	17.703	0.98	0.019	0.98
r	202173	247.3	29.083	1.54	0.017	1.43
r	202174	255.8	10.481	0.34	0.002	0.34
r	202175	268.2	18.826	0.69	0.003	0.65
r	202176	168.6	26.046	0.45	0.003	0.39
r	202177	263.6	29.216	0.58	0.006	0.54

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05666

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	202178	97.8				0.17
r	202179	267.6	28.274	0.03	<0.001	0.03
	Au assay std 2					2.16
r	202180	261.4	26.688	0.03	<0.001	0.03
r	202181	251.4	26.821	0.41	0.001	0.37
r	202182	274.1	27.951	0.03	<0.001	0.03
r	202183	262.8	21.856	<0.03	<0.001	<0.03
r	202184	245.0	26.187	20.91	12.941	71.51
r	202185	104.8	27.473	6.05	2.800	31.18
r	202186	258.2	29.411	0.07	0.124	0.54
r	202187	259.4	27.924	0.03	<0.001	0.03
r	202188	254.9	27.577	0.24	0.003	0.23
r	202189	156.0	29.494	0.96	0.017	0.89
	Au assay std 2					2.06
r	202190	256.5	24.731	7.78	9.778	45.15
r	202191	266.1	27.905	1.13	0.070	1.28
r	202192	248.8	24.425	0.10	0.001	0.10
r	202193	249.2	26.737	0.27	0.001	0.25
r	202194	245.5	29.671	0.31	0.021	0.36
p	202195					4.73
r	202196	277.5	27.052	8.42	5.334	26.82
r	202197	264.4	29.304	0.03	<0.001	0.03
r	202198	277.2	29.117	0.21	0.041	0.33
r	202199	274.9	27.646	0.14	0.001	0.13
	Au assay std 2					2.16
r	202200	268.2	25.083	0.03	<0.001	0.03
r	202201	259.5	28.823	1.03	0.134	1.43
r	202202	267.4	26.527	10.83	0.236	10.64
	rep 202202	236.8	28.586	13.06	0.285	12.69
r	202203	251.8	28.808	247.48	103.528	630.30

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO#05666

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	202204	264.8	23.365	1.78	0.245	2.55
r	202205	270.2	22.896	0.27	0.132	0.74
r	202206	276.2	29.000	1.17	0.061	1.26
r	202207	112.1	15.285	0.65	0.021	0.75
r	202208	266.3	25.415	0.21	0.004	0.20
r	202209	279.0	24.056	4.11	2.948	14.32
	Au assay std 2					2.06
r	202210	221.9	27.128	7.44	1.178	11.84
r	202211	261.0	20.554	43.65	51.734	238.39
r	202212	262.7	16.894	1.06	0.184	1.69
r	202213	268.9	24.500	0.07	0.135	0.56
r	202214	274.3	15.373	0.14	0.001	0.13
r	202215	278.1	17.100	0.34	0.001	0.33
r	202216	274.4	29.219	0.17	0.001	0.16
r	202217	276.8	25.941	0.03	0.001	0.03
p	202218					1.44
r	202219	260.3	29.239	0.17	0.002	0.16
	Au assay std 2					2.16
r	202220	277.2	27.441	0.10	0.001	0.10
r	202221	270.5	26.598	0.10	0.001	0.10
r	202222	261.8	29.117	0.10	0.001	0.10
r	202223	282.5	20.911	0.17	0.008	0.19
r	403731	279.5	25.932	0.65	0.037	0.72
	rep 403731	249.6	28.761	0.48	0.126	0.93
r	403732	275.5	18.023	34.84	11.338	73.70
	rep 403732	262.1	28.366	14.71	9.223	48.31
r	403733	266.0	28.035	0.27	0.014	0.30
r	403734	253.1	26.687	0.93	0.012	0.88
	rep 403734	259.2	28.480	0.96	0.013	0.90
r	403735	263.0	27.385	0.07	0.001	0.07

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05666

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt	
r	403736	264.9	28.888	0.34	0.004	0.32	
	Au assay std 2					2.06	
r	403737	270.0	24.053	0.89	0.007	0.84	
r	403738	265.7	20.699	2.74	3.860	17.06	
	rep 403738	262.0	28.356	2.76	1.222	7.13	
r	403739	249.7	26.652	4.46	0.625	6.48	
r	403740	269.2	28.638	50.30	32.862	167.00	
	rep 403740	260.2	22.126	132.62	49.998	313.52	
r	403741	253.5	28.509	1.47	0.239	2.25	
r	403742	261.2	20.100	3.29	3.421	16.14	
	rep 403742	266.9	26.646	1.58	1.239	6.06	
r	403743	276.9	29.267	2.45	0.103	2.56	
r	403744	274.6	28.869	3.94	2.870	13.98	
	rep 403744	264.6	26.638	2.98	0.421	4.27	
r	403745	285.6	28.857	0.69	0.051	0.80	
	rep 403745	265.7	27.739	0.38	0.836	3.48	
r	403746	273.6	27.726	1.27	0.067	1.38	
	Au assay std 2					2.09	
r	403747	254.8	27.586	0.36	0.098	0.71	
r	403748	111.0	29.142	0.55	0.004	0.44	
r	✓ 403749	283.6	29.195	1.41	0.124	1.70	Regional Rock Sample
p	403750					4.66	
	Au assay std 2					2.13	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05666

Certified by

Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
Replicate assays (averaged above for metallics calculations):					
202150			0.21		
202150			0.21		
202155			0.45		
202155			0.48		
202160			3.70		
202160			3.67		
202160			2.64		
202166			0.38		
202166			0.45		
202172			1.17		
202172			0.79		
202183			<0.03		
202183			0.03		
202185			6.17		
202185			5.93		
202188			0.24		
202188			0.24		
202191			1.17		
202191			1.10		
202196			7.95		
202196			8.88		
202200			0.03		
202200			0.03		
202203			253.62		
202203			241.34		
202205			0.34		
202205			0.21		
202209			4.56		
202209			3.67		

Northern
Analytical
Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05666

Certified by

Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
202211			51.19		
202211			36.10		
202212			1.10		
202212			1.03		
202217			0.03		
202217			0.03		
202223			0.17		
202223			0.14		
403737			0.86		
403737			0.93		
403740			45.12		
403740			55.44		
403742			3.39		
403742			3.19		
rep 403744			3.05		
rep 403744			2.88		
403745			0.65		
403745			0.72		
403747			0.34		
403747			0.38		

Replicate assays (entire split assayed; total Au reported above is weighted average):

202178	0.14
202178	0.21
202178	0.17
202178	0.17

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05666

Certified by

	Sample #	Ag g/mt	rep Ag g/mt		
r	202150	1.3			
r	202151	1.0	<1.0		
r	202152	<1.0			
r	202153	<1.0			
r	202154	<1.0			
r	202155	<1.0			
r	202156	4.0			
r	202157	<1.0	<1.0		
r	202158	2.9			
r	202159	<1.0			
r	202160	33.0		37.6	
r	202161	29.4		29.2	30.3
r	202162	1.7			
r	202163	<1.0	1.0		
r	202164	<1.0			
r	202165	<1.0			
r	202166	<1.0			
r	202167	<1.0			
r	202168	<1.0			
r	202169	<1.0			
	CR std	70.0			
p	202170	10.1			
r	202171	<1.0			
r	202172	1.9	2.0		
r	202173	1.9			
r	202174	1.4			
r	202175	3.5			
r	202176	6.7			
r	202177	2.0			
r	202178	5.9	5.9		

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05666

Certified by

	Sample #	Ag g/mt	rep Ag g/mt		
r	202179	<1.0			
r	202180	<1.0			
r	202181	<1.0			
r	202182	<1.0			
r	202183	<1.0			
r	202184	30.5	58.8	11.9	
r	202185	2.4			
r	202186	<1.0			
r	202187	<1.0			
r	202188	2.6			
r	202189	5.9			
	CR std	69.1			
r	202190	89.3		105.8	
r	202191	3.0			
r	202192	<1.0			
r	202193	<1.0	<1.0		
r	202194	<1.0			
p	202195	19.8			
r	202196	180.5		182.1	180.1
r	202197	<1.0			
r	202198	<1.0			
r	202199	<1.0	<1.0		
r	202200	<1.0			
r	202201	2.4			
r	202202	4.5			
r	202203	68.1		100.7	
r	202204	<1.0			
r	202205	3.8	3.3		
r	202206	28.9			
r	202207	4.4			

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05666

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	202208	<1.0	
r	202209	6.2	
	CR std	68.9	
r	202210	11.7	
r	202211	70.4	
r	202212	4.1	
r	202213	2.7	
r	202214	<1.0	<1.0
r	202215	<1.0	
r	202216	<1.0	
r	202217	<1.0	
p	202218	10.3	
r	202219	<1.0	
r	202220	<1.0	<1.0
r	202221	<1.0	
r	202222	<1.0	
r	202223	<1.0	
r	403731	6.6	
r	403732	31.7	
r	403733	2.6	2.6
r	403734	2.3	
r	403735	<1.0	
r	403736	2.5	
	CR std	69.2	
r	403737	2.6	
r	403738	35.1	
r	403739	289.0	279.0
r	403740	419.0	
r	403741	17.0	
r	403742	30.8	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05666

Certified by

	Sample #	Ag g/mt	rep Ag g/mt	
r	403743	39.9		
r	403744	134.9	142.0	
r	403745	16.1		
r	403746	15.2		
r	403747	42.6		
r	403748	4.7		
r	403749	869.0	861.0	Regional Rock sample
p	403750	19.8		
	CR std	68.8		

Northern
Analytical
Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

30/06/99 Certificate of Analysis

Barramundi Gold WO# 05666a

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Ag in -150 g/mt	Ag in +150 mg	total Ag g/mt
r	202184	251.9	28.608	6.7	5.10	26.2

CERTIFICATE OF ANALYSIS
iPL 99F0506

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

94 Samples
94=Pulp

[050614:56:52:99062399]

Out: Jun 23, 1999
In : Jun 21, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0202150	P	1.0	15	333	388	489	10	<	1	<	<	7.9	10	11	157	11	81	28	1023	27	21	3	5	0.01	0.64	1.59	3.31	0.18	0.31	0.02	0.07
0202151	P	0.8	14	43	94	800	22	<	<	<	<	5.5	10	7	34	10	84	21	331	24	17	3	6	<	0.50	0.74	5.53	0.07	0.28	0.01	0.09
0202152	P	0.3	11	35	115	230	6	<	1	<	<	4.4	4	7	40	8	268	11	396	9	7	1	2	<	0.19	0.13	1.72	0.02	0.10	0.01	0.02
0202153	P	0.2	7	16	84	57	<	<	1	<	<	4.1	7	8	140	<	64	25	922	25	59	2	5	0.01	1.01	1.55	2.70	0.36	0.31	0.03	0.07
0202154	P	0.7	7	43	140	143	5	<	1	<	<	5.6	6	6	122	<	87	22	660	30	27	1	5	<	0.94	0.59	2.57	0.17	0.30	0.02	0.08
0202155	P	0.6	9	44	125	3434	7	<	2	<	<	4.5	6	7	73	<	78	11	697	24	89	2	5	<	0.44	1.60	3.29	0.34	0.29	0.01	0.08
0202156	P	4.2	11	444	113	4310	8	<	<	<	<	4.3	3	5	127	7	163	13	296	13	15	1	1	<	0.36	0.31	1.53	0.05	0.25	0.01	0.04
0202157	P	0.9	8	53	99	1387	5	<	1	<	<	4.1	9	4	96	<	44	15	1307	26	218	1	7	<	0.58	4.31	3.04	0.80	0.30	0.01	0.09
0202158	P	3.1	12	986	82	2594	8	<	1	<	<	2.8	2	4	21	<	255	3	188	2	6	<	<	<	0.07	0.27	0.81	0.02	0.04	0.01	<
0202159	P	1.0	13	68	133	2002	<	<	<	<	<	6.9	9	8	90	<	56	18	1392	20	175	2	5	<	0.86	3.92	3.54	0.82	0.32	0.02	0.09
0202160	P	29.0	22	16342	2178	1.5%	777	<	<	<	<	65.0	3	7	19	<	216	4	445	5	23	1	1	<	0.14	0.52	1.98	0.09	0.10	0.01	0.02
0202161	P	30.5	33	9273	87	1.3%	717	<	<	<	<	9.2	2	7	33	<	257	3	359	2	10	<	<	<	0.08	0.25	1.56	0.02	0.05	0.01	<
0202162	P	1.8	17	399	224	2.7%	34	<	1	<	<	8.9	11	6	24	<	66	10	1775	8	128	1	4	<	0.43	3.04	4.03	0.79	0.30	0.01	0.09
0202163	P	1.0	11	246	124	1.6%	23	<	<	<	<	7.6	8	8	50	<	110	14	998	11	88	2	3	0.01	0.52	2.06	2.85	0.32	0.26	0.02	0.06
0202164	P	0.8	11	146	86	1.4%	9	<	<	<	<	8.3	7	6	85	<	91	9	987	11	91	2	2	<	0.50	3.34	2.10	0.12	0.29	0.02	0.07
0202165	P	0.4	10	78	94	1.3%	10	<	<	<	<	6.4	9	6	72	<	81	13	1365	13	161	2	3	<	0.62	4.99	2.52	0.39	0.31	0.02	0.08
0202166	P	0.9	16	140	123	1.3%	8	<	1	<	<	12.8	8	6	94	<	115	29	1423	38	53	2	4	0.04	1.00	2.82	2.99	0.35	0.46	0.03	0.08
0202167	P	0.3	81	21	72	167	<	<	1	<	<	4.1	11	7	435	<	80	44	1251	37	29	3	8	0.05	1.69	0.57	3.53	0.54	0.40	0.06	0.07
0202168	P	0.2	23	17	79	96	<	<	<	<	<	4.2	12	7	397	<	82	60	740	36	45	3	7	0.11	2.00	0.61	3.53	0.80	0.69	0.06	0.08
0202169	P	0.2	11	15	83	75	<	<	1	<	<	3.4	11	8	389	<	67	55	717	35	38	3	5	0.15	1.67	0.64	3.14	0.70	0.59	0.07	0.08
0202170	P	9.9	35	19	62	107	<	<	1	<	<	4.2	23	41	280	<	65	70	1589	13	20	9	7	0.02	2.54	1.13	3.67	0.20	0.17	0.02	0.03
0202171	P	0.8	11	283	158	345	17	<	<	<	<	4.5	12	5	176	5	83	23	1348	37	17	2	6	<	0.62	0.36	2.54	0.14	0.24	0.01	0.09
0202172	P	2.3	19	2376	630	1772	306	<	1	<	<	13.6	5	13	132	<	116	143	266	39	11	2	6	<	0.53	0.30	5.46	0.05	0.28	0.01	0.09
0202173	P	2.5	10	390	551	2888	61	<	2	<	<	14.7	6	11	152	<	117	41	545	40	17	2	5	<	0.44	0.32	3.71	0.03	0.28	0.01	0.08
0202174	P	1.6	40	190	591	1214	32	<	<	<	<	10.9	17	6	245	6	75	33	2017	35	30	2	5	<	0.47	0.31	3.11	0.06	0.26	0.01	0.08
0202175	P	3.7	15	1238	869	4149	18	<	1	<	<	18.5	5	6	125	<	110	88	429	39	20	2	4	<	0.53	0.35	2.55	0.04	0.32	0.01	0.08
0202176	P	7.1	16	2057	900	2824	23	<	<	<	<	15.5	2	6	54	<	215	188	421	9	10	1	1	<	0.25	0.16	1.57	0.03	0.14	0.01	0.02
0202177	P	2.0	11	796	985	5276	28	<	<	<	<	26.0	6	3	140	<	101	65	1119	29	37	2	3	<	0.47	0.42	3.24	0.05	0.29	0.01	0.09
0202178	P	6.6	8	451	215	509	12	<	1	<	<	5.5	1	5	33	<	355	24	89	3	3	<	1	<	0.12	0.04	0.83	0.01	0.07	0.01	0.01
0202179	P	0.7	8	44	374	368	<	<	<	<	<	7.8	9	8	195	<	70	25	960	32	23	2	4	0.01	1.13	0.40	2.73	0.37	0.28	0.02	0.08
0202180	P	0.7	6	24	208	138	<	<	1	<	<	5.1	8	4	294	<	93	44	625	20	26	2	4	0.09	1.72	0.48	2.98	0.69	0.44	0.04	0.07
0202181	P	0.7	12	330	398	1803	16	<	1	<	<	12.7	8	8	212	<	146	38	1063	31	23	2	3	0.01	0.80	0.36	2.95	0.25	0.29	0.02	0.07
0202182	P	<	8	18	76	94	<	<	1	<	<	4.0	12	7	412	<	118	56	623	31	33	3	5	0.16	1.61	0.82	3.03	0.71	0.73	0.08	0.07
0202183	P	0.3	9	14	94	80	<	<	<	<	<	4.4	11	3	385	<	70	61	555	29	30	2	7	0.14	2.13	0.68	3.38	0.95	0.75	0.04	0.08
0202184	P	8.6	7	644	151	1.1%	22	<	<	<	<	13.6	8	6	300	5	128	31	1740	32	54	2	2	<	0.58	0.76	3.76	0.18	0.24	0.01	0.07
0202185	P	2.8	6	558	170	5382	8	<	1	<	<	8.7	3	8	175	<	207	17	299	19	21	1	1	<	0.40	0.37	1.69	0.05	0.25	0.01	0.05
0202186	P	0.4	6	31	208	422	<	<	1	<	<	4.4	7	4	125	<	60	32	571	40	37	1	4	0.01	1.84	0.76	2.91	0.67	0.28	0.02	0.07
0202187	P	<	9	18	76	98	<	<	<	<	<	3.6	12	8	481	<	107	62	674	30	32	3	5	0.19	1.76	0.84	3.19	0.83	0.88	0.09	0.08
0202188	P	2.6	15	101	2085	826	24	<	<	<	<	28.0	7	6	93	5	94	25	419	45	11	2	5	<	0.62	0.64	2.92	0.12	0.24	0.01	0.08
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia
Vancouver B.C
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99F0506

Client : Northern Analytical Laboratories
Project: None Given

94 Samples
94=Pulp

[050614:56:52:99062399]

Out: Jun 23, 1999
In : Jun 21, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0202189	P	6.3	42	2152	4626	2760	186	<	<	<	<	85.1	7	11	198	<	200	87	1031	19	11	2	3	<	0.63	0.24	3.87	0.06	0.35	0.02	0.05
0202190	P	0.1m	143	15435	5508	3520	331	<	27	<	2	87.3	1	5	<	<	231	6	61	<	4	<	<	<	0.04	0.06	0.90	0.01	0.02	0.01	0.01
0202191	P	3.0	11	705	2069	5081	66	<	<	<	<	74.6	8	3	119	<	123	14	411	24	15	2	3	<	0.47	0.38	2.90	0.07	0.25	0.01	0.07
0202192	P	0.7	7	155	977	473	12	<	<	<	<	29.9	8	6	153	5	126	18	1018	37	14	2	5	<	0.77	0.31	2.42	0.20	0.26	0.02	0.08
0202193	P	0.5	11	127	177	1282	37	<	<	<	<	5.7	9	3	309	<	97	38	792	30	20	2	4	0.03	1.17	0.40	3.10	0.40	0.39	0.03	0.09
0202194	P	0.9	15	317	98	2330	31	<	<	<	<	10.7	9	10	303	7	107	47	1248	38	22	2	3	0.01	0.97	0.44	3.21	0.29	0.29	0.02	0.08
0202195	P	19.5	113	900	640	433	14	<	<	<	<	4.4	5	14	12	5	10	5	132	2	10	4	1	<	0.35	0.26	3.71	0.05	0.06	0.19	0.06
0202196	P	0.1m	46	3.1%	825	4170	0.4%	<	<	<	2	0.2m	3	7	19	<	304	4	54	<	15	<	1	<	0.04	0.01	0.78	<	0.02	0.01	<
0202197	P	0.5	11	213	75	86	38	<	3	<	<	4.4	12	7	518	<	103	59	659	28	29	3	4	0.19	1.61	0.68	3.03	0.78	0.92	0.12	0.07
0202198	P	0.7	13	163	101	1655	26	<	1	<	<	4.7	9	4	307	<	102	42	948	28	17	3	3	0.03	0.72	0.35	3.13	0.24	0.34	0.03	0.08
0202199	P	0.2	14	63	89	486	6	<	1	<	<	4.0	11	5	450	<	113	54	776	31	25	3	4	0.15	1.41	0.54	3.20	0.64	0.67	0.07	0.08
0202200	P	<	10	37	77	112	6	<	<	<	<	3.7	12	7	495	<	105	60	616	32	28	2	5	0.20	1.56	0.71	3.15	0.73	0.76	0.09	0.08
0202201	P	2.0	9	1022	702	2896	133	<	<	<	<	24.0	8	5	254	12	95	70	1033	30	39	3	3	0.03	0.78	1.18	3.54	0.24	0.34	0.02	0.35
0202202	P	4.5	13	1419	1421	3160	237	<	<	<	<	35.6	10	9	217	5	99	116	1433	31	41	1	5	<	0.77	1.21	3.91	0.17	0.31	0.02	0.36
0202203	P	0.2m	27	6467	3035	3492	97	<	<	<	<	38.2	2	7	26	<	239	307	163	4	10	1	<	<	0.15	0.14	1.32	0.04	0.06	0.01	0.02
0202204	P	0.5	11	121	450	414	16	<	<	<	<	6.3	11	5	514	<	117	57	855	37	44	2	5	0.13	1.75	0.62	3.25	0.76	0.57	0.06	0.09
0202205	P	3.1	8	213	505	859	19	<	<	<	<	21.5	6	7	136	<	123	15	687	36	13	3	3	<	0.55	0.24	2.53	0.08	0.32	0.01	0.07
0202206	P	28.5	278	3952	5482	1015	59	<	<	<	<	23.5	3	5	46	9	122	565	363	23	12	4	1	<	0.48	0.22	1.87	0.18	0.17	0.01	0.05
0202207	P	4.1	15	540	983	398	23	<	<	<	<	11.0	2	7	37	9	209	21	267	14	4	1	<	<	0.25	0.04	1.08	0.04	0.14	0.01	0.01
0202208	P	1.0	16	333	324	984	18	<	1	<	<	16.4	4	5	113	<	95	13	764	31	11	5	2	<	0.29	0.13	1.71	0.02	0.21	0.01	0.04
0202209	P	6.0	10	646	457	2602	31	<	<	<	<	13.7	1	5	20	<	249	17	55	3	7	2	<	<	0.10	0.11	1.09	0.01	0.06	0.01	0.01
0202210	P	8.8	15	1487	711	5310	36	<	<	<	<	53.7	2	5	49	<	220	23	79	5	28	3	1	<	0.14	0.18	1.44	0.01	0.11	0.01	0.01
0202211	P	67.5	62	10858	2974	4465	120	<	<	<	<	55.9	2	4	<	<	204	219	52	<	8	1	<	<	0.05	0.10	1.11	0.01	0.02	0.01	0.01
0202212	P	2.0	9	407	615	3953	30	<	1	<	<	25.8	12	8	239	6	109	26	1210	28	24	2	4	<	0.45	0.40	3.23	0.05	0.27	0.01	0.09
0202213	P	0.6	5	143	365	515	10	<	1	<	<	8.8	5	6	196	<	99	12	802	35	15	5	2	<	0.69	0.31	1.69	0.17	0.25	0.03	0.04
0202214	P	0.9	6	160	279	1013	16	<	<	<	<	10.4	4	5	150	8	94	12	523	33	17	4	1	<	0.50	0.77	1.67	0.07	0.27	0.02	0.08
0202215	P	0.7	4	100	231	590	11	<	<	<	<	7.1	4	2	128	<	86	9	598	31	14	6	1	<	0.48	0.91	1.67	0.09	0.23	0.02	0.04
0202216	P	0.2	5	28	257	304	9	<	1	<	<	5.8	4	4	102	<	96	10	427	31	14	6	2	<	0.73	0.19	1.68	0.20	0.21	0.04	0.04
0202217	P	0.2	3	38	194	329	6	<	1	<	<	5.4	4	5	115	<	70	14	455	29	17	7	2	0.02	0.77	0.59	1.61	0.26	0.27	0.03	0.04
0202218	P	9.7	35	20	64	123	<	<	2	<	<	4.2	23	40	279	<	64	69	1569	13	20	8	7	0.02	2.59	1.13	3.61	0.20	0.17	0.02	0.02
0202219	P	0.7	7	78	176	871	7	<	<	<	<	8.4	4	7	161	<	77	19	421	36	18	5	2	<	0.75	0.24	1.95	0.16	0.26	0.03	0.05
0202220	P	0.4	5	82	194	462	11	<	<	<	<	6.7	5	3	128	<	74	18	429	31	14	8	2	0.02	0.75	0.20	1.67	0.20	0.32	0.03	0.04
0202221	P	0.4	6	65	304	246	5	<	1	<	<	5.8	4	5	138	<	95	17	274	32	15	9	2	0.02	0.92	0.20	1.74	0.26	0.27	0.04	0.04
0202222	P	0.5	12	26	120	81	<	<	1	<	<	2.7	3	4	133	<	77	5	332	12	58	4	1	<	0.65	0.17	0.84	0.21	0.14	0.03	0.01
0202223	P	0.3	13	379	97	1748	10	<	<	<	<	6.1	9	4	472	7	85	44	1612	34	33	3	3	0.03	1.04	0.72	3.02	0.36	0.37	0.03	0.19
0403731	P	6.7	10	918	218	2562	113	<	2	<	<	8.6	2	5	30	5	215	33	237	4	9	1	1	<	0.19	0.12	1.31	0.02	0.06	0.01	0.01
0403732	P	41.5	61	9343	845	1305	0.2%	<	1	<	<	20.8	3	5	13	<	268	742	55	2	5	1	1	<	0.13	0.08	0.79	0.02	0.03	0.01	0.02
0403733	P	2.6	27	630	827	2256	160	<	<	<	<	27.1	18	7	400	<	82	97	2571	44	31	2	8	<	0.61	0.42	4.60	0.10	0.21	0.01	0.11
0403734	P	2.1	15	133	559	2064	51	<	<	<	<	15.7	12	7	205	<	115	87	1079	34	20	2	7	<	0.46	0.34	3.74	0.07	0.22	0.01	0.10
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

CERTIFICATE OF ANALYSIS
iPL 99F0506

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: None Given

94 Samples
94=Pulp

[050614:56:52:99062399]

Out: Jun 23, 1999
In : Jun 21, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0403735 P	0.3	5	448	102	108	36	<	<	<	<	1.2	1	5	7	<	210	56	60	<	1	<	<	<	0.04	0.01	0.35	0.01	0.01	0.01	<
0403736 P	2.2	7	869	47	483	61	<	<	<	<	2.3	1	3	6	<	206	20	55	<	1	<	<	<	0.03	0.01	0.42	<	0.01	0.01	<
0403737 P	2.0	15	817	794	2249	127	<	<	<	<	27.7	10	5	253	<	152	84	1285	39	15	2	6	<	0.45	0.14	3.60	0.03	0.24	0.01	0.04
0403738 P	81.9	74	12000	3431	1218	540	<	<	<	<	48.0	1	4	18	<	266	178	119	3	10	1	1	<	0.13	0.05	0.88	0.02	0.05	0.01	0.01
0403739 P	0.2m	585	4675	2161	1983	432	<	1	<	<	56.7	2	5	83	10	266	221	101	7	5	<	1	<	0.16	0.08	1.32	0.01	0.10	0.01	0.02
0403740 P	0.1m	1081	13818	1898	5504	696	<	<	<	<	83.8	3	4	94	17	204	137	567	8	13	<	1	<	0.16	0.14	1.68	0.01	0.12	0.01	0.02
0403741 P	17.2	51	1205	550	7748	89	<	<	<	<	24.6	3	3	121	31	131	27	125	23	44	1	3	<	0.24	0.34	3.29	0.01	0.19	0.01	0.07
0403742 P	37.0	81	2694	1290	1641	47	<	<	<	<	20.9	1	5	28	14	191	67	472	<	5	<	<	<	0.04	0.04	0.95	0.01	0.02	0.01	<
0403743 P	37.5	83	2352	878	2976	69	<	<	<	<	20.1	2	3	38	15	192	42	342	4	8	<	1	<	0.07	0.10	1.35	0.01	0.05	0.01	0.01
0403744 P	0.2m	208	11360	835	2447	223	<	7	<	<	33.1	1	3	22	76	235	71	146	<	4	<	<	<	0.05	0.04	0.65	0.01	0.04	0.01	0.01
0403745 P	16.8	16	2421	188	421	107	<	1	<	<	5.0	1	4	12	<	252	64	67	<	1	<	<	<	0.04	0.01	0.45	<	0.02	0.01	<
0403746 P	14.3	16	2948	179	654	532	<	<	<	<	10.9	1	6	6	<	253	56	44	<	1	<	<	<	0.03	0.01	0.43	<	0.01	0.01	<
0403747 P	40.5	20	4315	139	550	530	<	1	<	<	7.5	2	5	14	<	252	21	145	<	2	<	1	<	0.03	0.02	0.45	<	0.02	0.01	0.01
0403748 P	4.5	17	414	95	2739	25	<	<	<	<	7.2	3	8	304	<	272	8	149	16	24	1	2	<	0.25	0.11	1.65	0.01	0.19	0.01	0.03
0403749 P	0.1m	1962	14914	2769	514	0.2%	<	<	<	4	56.3	2	6	27	<	390	3	181	<	17	<	<	<	0.06	0.26	0.68	0.04	0.04	0.01	<
Regional Rock Sample																														
0403750 P	21.0	130	1003	670	434	30	<	<	<	<	4.8	5	14	10	<	14	5	128	2	11	4	1	<	0.37	0.27	3.77	0.05	0.06	0.19	0.07
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

29/06/99 Certificate of Analysis

Barramundi Gold WO# 05668

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	403751	270.6	28.324	13.75	8.725	44.55
r	403752	262.5	24.319	3.12	1.641	9.08
r	403753	246.8	28.928	0.45	0.096	0.78
r	403754	211.5	27.573	3.60	0.067	3.45
r	403755	259.9	29.241	0.72	0.006	0.66
r	403756	256.8	28.151	48.28	32.814	170.75
r	403757	267.7	19.803	1.06	0.332	2.22
r	403758	261.4	15.710	2.23	0.111	2.52
r	403759	274.0	23.260	0.82	0.005	0.77
r	403760	273.3	9.543	1.41	0.020	1.43
	Au assay std 2					1.92
r	403761	274.6	16.136	0.79	0.001	0.75
r	403762	264.2	26.007	1.39	0.011	1.29
r	403763	278.6	29.137	28.22	7.584	52.49
r	403764	264.0	20.168	0.62	0.003	0.58
r	403765	264.7	28.212	0.86	0.241	1.68
r	403766	264.7	20.247	20.71	33.500	145.70
r	403767	252.3	29.198	1.85	0.317	2.89
r	403768	261.4	23.956	2.13	0.232	2.82
r	403769	252.6	26.763	0.07	<0.001	0.06
r	403770	265.6	21.731	0.03	<0.001	<0.05
	Au assay std 2					2.09
r	403771	273.3	29.542	169.48	13.278	199.75
r	403772	236.7	29.021	1.06	4.715	20.85
r	403773	259.1	14.978	0.14	0.001	0.13
r	403774	264.0	29.550	21.15	8.337	50.36
r	403775	264.8	25.677	1.37	0.017	1.30
r	403776	262.4	28.566	0.41	0.002	0.37
r	403777	263.8	29.845	1.20	0.013	1.11
r	403778	257.2	28.063	1.30	0.002	1.17

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05668

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	403779	262.6	28.246	2.23	0.345	3.30
r	403780	258.3	28.763	0.69	0.005	0.63
	Au assay std 2					1.89
r	403781	254.7	28.671	0.96	0.039	1.01
r	403782	261.0	29.051	0.14	0.002	0.13
r	403783	259.2	28.858	1.13	0.010	1.04
r	403784	258.2	28.234	1.80	0.019	1.68
r	403785	266.7	29.602	30.31	9.962	64.30
	rep 403785	277.1	26.687	25.82	17.449	86.31
r	403786	269.1	28.716	0.45	0.002	0.41
r	403787	254.1	25.730	3.57	0.019	3.28
r	403788	253.4	27.930	4.01	0.277	4.66
p	403789					4.59
r	403790	249.4	28.712	1.65	0.014	1.51
	Au assay std 2					2.09
r	403791	256.4	27.447	4.29	0.403	5.40
r	403792	255.7	26.672	1.51	0.009	1.39
r	403793	266.9	27.131	1.13	0.146	1.56
r	403794	255.3	29.471	1.34	0.018	1.25
r	403795	265.0	29.459	0.10	0.001	0.10
r	403796	283.1	29.292	2.25	0.307	3.10
r	403797	269.2	29.542	0.96	0.004	0.87
r	403798	265.6	26.975	4.01	1.470	9.14
r	403799	259.5	19.900	1.34	0.197	1.99
r	403800	259.1	28.231	0.10	0.001	0.10
	Au assay std 2					2.06
r	403801	269.5	28.219	0.07	0.001	0.07
r	403802	266.1	29.687	19.51	10.937	58.43
r	403803	264.6	28.329	0.93	0.063	1.06
r	403804	269.3	29.652	0.24	0.003	0.22

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05668

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	403805	241.7	29.799	1.65	0.048	1.64
r	403806	266.6	29.801	0.41	0.003	0.38
r	403807	272.3	28.169	1.06	0.006	0.97
r	403808	255.3	29.631	0.38	0.003	0.35
r	403809	271.8	23.455	9.82	4.195	24.41
r	403810	252.3	29.402	0.17	0.003	0.16
	Au assay std 2					2.02
r	403811	265.1	29.931	0.58	0.022	0.60
r	403812	268.8	29.522	60.55	4.968	72.38
r	403813	270.1	29.000	0.79	0.003	0.72
r	403814	263.5	28.963	1.37	0.182	1.91
r	403815	286.7	26.639	71.01	23.828	147.52
r	403816	268.6	29.500	0.96	0.073	1.13
r	403817	258.5	28.723	1.92	0.121	2.17
r	403818	277.7	29.580	0.17	0.082	0.45
r	403819	269.4	29.765	0.24	0.003	0.22
r	403820	272.5	28.528	0.24	0.005	0.23
	Au assay std 2					2.06
r	403821	260.7	28.715	0.21	0.003	0.19
r	403822	247.2	27.312	0.69	0.006	0.63
r	403823	230.7	26.331	0.41	0.014	0.43
r	403824	280.2	25.021	5.01	4.819	21.76
r	403825	242.3	29.691	0.99	0.031	1.00
r	403826	247.0	29.533	0.31	0.003	0.28
r	403827	271.5	28.645	0.38	0.011	0.38
r	403828	255.2	25.025	0.10	0.001	0.10
r	403829	238.4	28.743	0.41	0.022	0.45
r	403830	272.3	28.209	0.17	0.004	0.17
	Au assay std 2					2.23
r	403831	268.0	27.489	0.19	0.001	0.17

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05668

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	403832	251.7	27.746	6.69	0.686	8.67
r	403833	267.9	28.869	0.48	0.099	0.80
r	403834	261.1	27.493	0.45	0.002	0.41
r	403835	265.9	28.332	0.38	0.012	0.38
	Au assay std 2					2.02

Replicate assays (averaged above for metallics calculations):

403751	12.14
403751	15.60
403751	13.47
403762	1.51
403762	1.27
403767	2.02
403767	1.68
403773	0.14
403773	0.14
403778	1.27
403778	1.34
403784	1.75
403784	1.85
rep 403785	26.81
rep 403785	24.82
403790	1.65
403790	1.61
403796	2.13
403796	2.37
403807	1.03
403807	1.10
403809	10.39

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05668

Certified by

Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
403809			9.26		
403814			1.41		
403814			1.34		
403816			0.79		
403816			1.23		
403816			0.82		
403822			0.69		
403822			0.65		
403826			0.31		
403826			0.31		
403828			0.10		
403828			0.14		
403831			0.24		
403831			0.14		

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

25/06/99 Certificate of Analysis

Barramundi Gold WO# 05668

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	403751	11.4	9.0
r	403752	46.3	
r	403753	1.9	
r	403754	4.4	
r	403755	1.5	
r	403756	103.8	
r	403757	19.3	19.3
r	403758	1.1	
r	403759	1.3	
r	403760	1.4	
r	403761	1.0	
r	403762	1.8	
r	403763	26.5	26.4
r	403764	1.1	
r	403765	1.1	
r	403766	20.2	
r	403767	3.3	
r	403768	2.0	
r	403769	1.4	
r	403770	<1.0	
	CR std	68.4	
r	403771	111.2	
r	403772	1.1	<1.0
r	403773	1.4	
r	403774	22.9	
r	403775	1.3	
r	403776	<1.0	
r	403777	1.4	
r	403778	53.6	51.0
r	403779	1.9	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05668

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	403780	5.1	
r	403781	1.2	
r	403782	<1.0	
r	403783	2.3	
r	403784	2.4	2.6
r	403785	34.2	
r	403786	<1.0	
r	403787	4.0	
r	403788	3.3	
p	403789	20.0	
r	403790	3.0	
	CR std	67.9	
r	403791	<1.0	
r	403792	3.2	
r	403793	2.8	5.1
r	403794	2.2	
r	403795	<1.0	
r	403796	68.1	
r	403797	2.1	
r	403798	8.4	
r	403799	2.2	2.2
r	403800	<1.0	
r	403801	1.0	
r	403802	68.2	
r	403803	2.2	
r	403804	<1.0	
r	403805	4.4	4.3
r	403806	1.6	
r	403807	2.2	
r	403808	2.3	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05668

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	403809	17.6	
r	403810	1.0	
	CR std	67.8	
r	403811	1.1	
r	403812	100.1	
r	403813	1.7	
r	403814	4.2	4.3
r	403815	92.7	
r	403816	1.4	
r	403817	15.0	
r	403818	<1.0	
r	403819	<1.0	
r	403820	<1.0	<1.0
r	403821	<1.0	
r	403822	2.2	
r	403823	<1.0	
r	403824	8.7	
r	403825	2.0	
r	403826	<1.0	<1.0
r	403827	<1.0	
r	403828	<1.0	
r	403829	1.7	
r	403830	<1.0	
	CR std	70.3	
r	403831	37.8	37.4
r	403832	37.0	
r	403833	12.1	
r	403834	<1.0	<1.0
r	403835	<1.0	
	CR std	70.6	

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICAT OF ANALYSIS

iPL 99F0537

Client : Northern Analytical Laboratories
Project: W.O. 05668

85 Samples
85=Pulp

[053709:46:27:99070699]

Out: Jul 06, 1999
In : Jun 29, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0403751	P 9.8	9	1505	86	2.0%	56	<	1	<	<	3.6	2	3	79	<	196	6	118	2	25	1	1	<	0.05	0.23	2.10	0.01	0.04	0.01	<
0403752	P 48.5	30	5071	5670	9912	53	<	<	<	<	0.2m	1	5	5	<	152	2	44	<	5	<	<	<	0.03	0.04	1.11	<	0.03	0.01	<
0403753	P 1.0	15	102	144	1.2%	8	<	1	<	<	4.8	7	4	138	<	90	10	768	19	41	1	4	<	0.33	0.96	3.24	0.03	0.25	0.02	0.08
0403754	P 4.4	23	431	570	1.3%	82	<	3	<	<	16.6	8	11	389	6	135	53	1504	25	39	3	2	<	0.35	0.67	5.82	0.05	0.23	0.02	0.07
0403755	P 1.3	11	80	255	9396	8	<	<	<	<	4.9	9	5	102	<	86	22	1100	16	89	2	5	0.02	0.58	1.82	3.36	0.45	0.33	0.03	0.08
0403756	P 0.1m	28	6519	710	1.8%	208	<	<	<	<	41.3	1	2	103	<	192	4	97	3	25	<	<	<	0.08	0.16	1.91	0.01	0.07	0.01	0.01
0403757	P 19.5	9	2438	68	1667	373	<	1	<	<	7.1	1	4	167	<	221	19	169	3	5	<	<	<	0.06	0.04	0.61	<	0.04	0.01	0.01
0403758	P 0.8	10	138	355	3152	14	<	2	<	<	7.6	8	7	530	<	102	36	613	31	25	2	5	0.05	0.88	0.37	2.92	0.29	0.47	0.05	0.08
0403759	P 1.0	9	75	200	4214	13	<	1	<	<	4.0	5	3	360	<	86	14	513	32	18	1	5	<	0.30	0.21	2.91	0.03	0.23	0.02	0.05
0403760	P 1.3	9	266	98	2841	9	<	1	<	<	4.7	3	4	246	<	235	10	273	9	11	1	1	0.01	0.24	0.15	1.40	0.05	0.14	0.03	0.02
0403761	P 1.0	12	235	224	1516	43	<	3	<	<	5.1	9	8	382	<	98	71	1210	40	13	3	5	0.03	0.69	0.32	3.22	0.19	0.40	0.03	0.08
0403762	P 1.6	7	94	185	5593	14	<	1	<	<	4.6	6	3	411	6	110	34	682	39	12	2	4	<	0.27	0.27	3.18	0.02	0.21	0.01	0.07
0403763	P 24.5	12	3319	167	7227	341	<	1	<	<	13.7	1	5	140	<	212	33	76	3	13	<	<	<	0.05	0.07	1.20	<	0.03	0.01	<
0403764	P 0.7	11	293	273	857	19	<	2	<	<	5.6	11	10	455	5	71	75	1138	35	27	4	8	0.10	1.48	0.46	3.71	0.56	0.57	0.06	0.08
0403765	P 0.7	15	165	232	2180	30	<	3	<	<	4.7	8	7	206	16	156	112	652	62	17	3	7	<	0.56	0.35	3.81	0.07	0.29	0.02	0.09
0403766	P 19.2	14	5452	342	8929	41	<	2	<	<	14.4	3	7	158	<	280	30	101	4	10	1	1	<	0.07	0.08	1.40	0.01	0.05	0.02	<
0403767	P 6.5	21	701	349	4181	11	<	2	<	<	9.1	8	5	414	7	156	94	1178	51	15	2	5	<	0.49	0.38	3.77	0.04	0.29	0.02	0.09
0403768	P 1.8	13	407	242	3800	22	<	2	<	<	5.9	7	5	405	7	155	73	994	33	12	2	4	<	0.29	0.29	3.38	0.02	0.21	0.01	0.06
0403769	P 1.3	45	295	329	306	<	<	3	<	<	10.8	23	61	779	<	82	128	740	30	98	4	16	0.07	3.34	1.60	6.18	2.03	0.21	0.15	0.29
0403770	P 0.2	39	24	152	328	<	<	3	<	<	9.4	34	56	409	<	79	86	1157	27	92	3	14	0.12	3.78	1.67	6.37	1.87	0.19	0.10	0.27
0403771	P 0.1m	35	11164	549	6459	0.1%	<	1	<	<	47.7	1	2	411	<	156	65	63	4	15	1	1	<	0.16	0.10	1.27	0.07	0.07	0.02	0.01
0403772	P 0.8	11	250	376	2137	18	<	2	<	<	6.0	9	3	358	<	50	49	781	43	29	1	5	<	1.22	0.49	3.19	0.44	0.24	0.03	0.08
0403773	P 1.1	33	212	425	1132	23	<	2	<	<	5.6	7	8	308	9	63	52	638	41	26	1	5	<	1.18	0.42	3.66	0.40	0.28	0.02	0.07
0403774	P 27.0	10	1404	158	2414	15	<	<	<	<	5.5	1	2	54	<	188	115	112	10	7	1	1	<	0.16	0.10	1.67	0.04	0.05	0.02	0.01
0403775	P 1.3	16	127	155	3696	7	<	2	<	<	4.8	6	8	765	<	105	39	471	39	28	1	4	<	0.83	0.36	3.08	0.27	0.27	0.02	0.07
0403776	P 0.5	14	255	225	1348	<	<	<	<	<	5.3	9	11	325	<	87	76	816	41	28	2	6	0.02	1.44	0.50	3.44	0.49	0.36	0.04	0.09
0403777	P 1.2	10	288	281	2824	9	<	1	<	<	7.0	2	6	331	<	205	23	233	6	16	<	1	<	0.27	0.14	1.28	0.08	0.09	0.02	0.01
0403778	P 46.5	48	8513	450	5982	0.1%	<	1	<	<	50.9	1	3	237	<	193	7	46	<	11	<	<	<	0.05	0.05	1.00	0.01	0.04	0.01	<
0403779	P 1.8	12	339	404	2596	30	<	3	<	<	11.8	4	4	163	<	111	74	347	37	14	2	5	<	0.32	0.29	3.54	0.02	0.22	0.01	0.07
0403780	P 4.9	21	220	257	1383	26	<	2	<	<	5.4	4	6	117	<	118	37	68	39	15	2	5	<	0.29	0.16	2.80	0.02	0.22	0.01	0.04
0403781	P 1.4	6	237	262	900	6	<	1	<	<	6.9	1	2	62	<	216	6	58	<	3	<	1	<	0.03	0.02	0.47	<	0.02	0.01	<
0403782	P 0.2	13	156	158	875	<	<	2	<	<	4.4	10	12	288	<	71	51	1368	45	18	2	6	<	0.49	0.34	3.20	0.07	0.23	0.02	0.08
0403783	P 2.4	8	304	120	2638	6	<	1	<	<	4.9	1	3	102	5	110	49	79	22	10	6	1	<	0.21	0.14	1.27	0.01	0.17	0.02	0.01
0403784	P 2.5	12	198	263	4797	11	<	2	<	<	6.8	5	4	423	<	116	62	484	27	22	1	4	<	0.25	0.23	3.41	0.02	0.20	0.01	0.04
0403785	P 33.0	11	1372	791	1.9%	56	<	1	<	<	25.3	2	8	65	<	215	13	53	2	9	1	<	<	0.06	0.10	2.25	<	0.05	0.01	0.01
0403786	P 0.7	13	155	254	2239	12	<	2	<	<	6.1	9	10	331	<	105	67	1149	39	19	2	6	<	0.56	0.37	3.34	0.09	0.29	0.03	0.08
0403787	P 5.0	11	270	303	1.0%	23	<	1	<	<	10.7	4	5	804	<	83	14	394	23	90	1	4	<	0.20	0.28	3.41	0.01	0.21	0.02	0.05
0403788	P 3.5	17	406	516	6453	37	<	2	<	<	18.2	4	6	280	<	118	82	527	26	23	2	3	<	0.26	0.40	3.87	0.02	0.19	0.01	0.06
0403789	P 22.0	111	901	652	482	11	<	<	<	<	4.8	4	14	15	<	11	6	130	2	11	4	1	<	0.35	0.27	3.76	0.04	0.06	0.21	0.06
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99F0537

Client : Northern Analytical Laboratories
Project: W.O. 05668

85 Samples
85=Pulp

[053709:46:27:99070699]

Out: Jul 06, 1999
In : Jun 29, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0403790 P	2.7	13	523	275	2503	16	<	2	<	<	7.1	3	5	157	7	107	26	225	39	34	1	4	< 0.25	0.13	2.98	0.02	0.22	0.01	0.03
0403791 P	0.3	4	173	57	2221	<	<	1	<	<	2.2	1	2	46	<	260	6	82	<	3	<	<	< 0.02	0.02	0.67	< 0.02	0.01	<	
0403792 P	2.8	20	447	308	2.0%	41	<	2	<	<	11.8	4	6	2035	<	110	39	571	26	62	1	3	< 0.26	0.68	4.55	0.02	0.21	0.01	0.08
0403793 P	2.0	9	1129	55	4094	13	<	1	<	<	3.1	1	6	121	5	243	7	66	<	6	<	<	< 0.03	0.05	0.88	< 0.03	0.01	<	
0403794 P	2.0	15	356	938	2886	21	<	3	<	<	13.6	12	9	560	<	132	63	2087	36	18	1	6	< 0.35	0.31	3.79	0.02	0.23	0.01	0.07
0403795 P	0.5	12	30	118	1177	<	<	1	<	<	4.9	12	8	390	<	77	49	681	26	20	3	5	0.09	1.06	0.41	3.14	0.42	0.56	0.05	0.07
0403796 P	82.5	75	2507	162	1.3%	633	<	1	<	<	7.8	2	6	106	<	214	14	70	2	8	<	1	< 0.06	0.05	1.66	0.01	0.04	0.01	<
0403797 P	1.5	7	178	74	5205	26	<	1	<	<	5.5	2	4	469	<	166	8	86	22	38	1	3	< 0.28	0.13	1.67	0.02	0.24	0.01	0.03
0403798 P	1.5	7	475	54	3929	21	<	2	<	<	3.3	1	4	102	<	206	7	114	<	7	<	<	< 0.03	0.05	0.89	< 0.03	0.01	<	
0403799 P	1.3	14	452	368	2425	19	<	2	<	<	7.8	10	8	354	<	93	58	1459	33	14	1	4	< 0.34	0.28	3.28	0.03	0.23	0.01	0.07
0403800 P	0.1	5	85	68	950	<	<	2	<	<	2.7	3	3	337	<	215	23	1508	7	8	<	1	< 0.11	0.09	1.14	0.01	0.08	0.01	0.01
0403801 P	0.5	10	26	777	617	6	<	1	<	<	4.0	10	6	499	<	94	55	1068	32	21	2	6	0.08	1.06	0.40	3.34	0.45	0.52	0.06	0.08
0403802 P	90.9	57	2.2%	697	2363	0.8%	<	<	<	<	0.2m	1	6	29	<	237	3	72	<	6	<	<	< 0.02	0.01	0.55	0.01	0.02	0.01	<
0403803 P	1.7	10	362	1006	5078	88	<	<	<	<	10.5	7	6	156	<	97	15	1027	26	28	1	4	< 0.43	0.45	3.35	0.06	0.30	0.01	0.08
0403804 P	0.5	12	183	123	1613	50	<	2	<	<	5.0	9	7	358	<	105	41	803	41	21	2	5	0.05	0.87	0.43	3.29	0.29	0.40	0.04	0.08
0403805 P	4.6	7	678	175	2372	161	<	1	<	<	4.4	1	4	38	<	234	2	70	<	4	<	<	< 0.03	0.02	0.59	0.01	0.02	0.01	<
0403806 P	1.3	10	318	513	1976	44	<	1	<	<	8.3	7	9	252	<	114	56	917	37	14	1	5	< 0.42	0.29	3.35	0.03	0.26	0.01	0.08
0403807 P	1.7	7	104	188	647	25	<	2	<	<	2.2	1	6	117	<	159	9	92	35	51	1	5	< 0.23	0.07	2.06	0.02	0.20	0.01	0.03
0403808 P	2.0	6	81	216	997	20	<	7	<	<	3.6	1	4	119	<	117	9	80	48	36	1	3	< 0.25	0.08	2.28	0.02	0.23	0.01	0.03
0403809 P	16.7	17	5230	410	3747	106	<	1	<	<	43.2	1	5	107	<	210	7	41	2	8	<	<	< 0.03	0.04	0.78	< 0.03	0.01	<	
0403810 P	0.6	14	60	150	750	<	<	2	<	<	4.8	11	7	432	5	108	56	807	32	23	2	5	0.11	1.25	0.46	3.29	0.54	0.66	0.07	0.08
0403811 P	0.8	12	340	440	1717	34	<	2	<	<	8.3	10	14	367	<	115	74	1586	47	17	2	7	< 0.48	0.36	4.03	0.05	0.28	0.01	0.10
0403812 P	0.1m	81	12459	403	5889	0.4%	<	2	<	2	0.1m	1	6	49	<	238	11	85	<	5	<	<	< 0.02	0.02	0.88	< 0.02	0.01	<	
0403813 P	1.9	10	264	504	7348	61	<	1	<	<	6.9	7	9	540	<	105	34	815	37	32	1	4	< 0.44	0.44	3.57	0.04	0.27	0.02	0.09
0403814 P	4.6	13	1195	542	3218	50	<	2	<	<	18.9	10	10	463	<	98	89	1856	42	20	1	6	< 0.50	0.36	3.92	0.07	0.27	0.02	0.08
0403815 P	0.1m	60	8750	685	6744	289	<	1	<	<	69.4	1	4	212	<	200	41	77	3	11	<	1	< 0.05	0.05	1.26	0.01	0.04	0.01	0.01
0403816 P	1.4	10	364	605	1699	60	<	1	<	<	11.4	8	6	308	<	80	54	1031	41	16	2	4	0.01	0.52	0.32	3.31	0.11	0.29	0.03	0.08
0403817 P	14.1	14	3505	411	698	27	<	2	<	<	5.6	1	4	38	<	266	108	71	2	4	<	<	< 0.09	0.03	0.68	0.02	0.04	0.01	0.01
0403818 P	1.0	5	137	48	139	12	<	1	<	<	1.5	<	4	9	<	290	7	61	<	1	<	<	< 0.04	0.01	0.46	0.01	0.02	0.01	<
0403819 P	0.7	8	150	384	1161	10	3	1	<	<	11.1	10	4	195	<	75	37	744	36	17	1	4	< 0.86	0.39	2.67	0.24	0.21	0.01	0.08
0403820 P	0.7	10	156	734	1084	9	<	1	<	<	13.9	7	7	176	<	99	44	400	38	14	2	5	< 0.81	0.34	3.43	0.14	0.26	0.01	0.09
0403821 P	0.7	10	133	730	1362	<	<	1	<	<	11.7	9	7	319	<	124	44	1051	32	16	2	4	< 0.91	0.36	2.99	0.20	0.26	0.02	0.08
0403822 P	2.3	11	910	812	2108	17	<	<	<	<	18.7	5	2	182	<	125	87	770	30	12	2	4	< 0.54	0.27	3.15	0.09	0.19	0.01	0.08
0403823 P	1.1	12	318	603	3259	12	<	2	<	<	19.2	7	7	304	<	155	63	892	36	18	2	4	< 0.74	0.33	3.31	0.12	0.28	0.02	0.06
0403824 P	22.5	14	785	556	795	20	<	2	<	<	8.2	3	6	51	<	174	60	148	6	5	2	2	< 0.35	0.08	1.42	0.06	0.07	0.01	0.01
0403825 P	3.1	17	1212	782	1621	39	<	1	<	<	18.5	4	9	105	<	190	139	160	31	11	4	4	< 1.00	0.27	3.34	0.12	0.22	0.01	0.07
0403826 P	0.9	11	243	438	3396	7	<	1	<	<	11.1	5	5	175	<	138	57	410	27	17	2	3	< 0.47	0.32	3.02	0.08	0.21	0.02	0.07
0403827 P	0.9	15	752	243	809	<	<	1	<	<	4.4	3	4	209	<	138	58	645	21	8	3	2	< 0.45	0.21	2.10	0.05	0.22	0.02	0.07
0403828 P	0.1	11	69	78	705	<	<	1	<	<	3.5	4	5	302	9	142	34	633	35	10	2	3	< 0.57	0.26	2.18	0.10	0.26	0.03	0.07
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample P=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 99F0537

2036 Columbia
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: W.O. 05668

85 Samples
85=Pulp

[053709:46:27:99070699]

Out: Jul 06, 1999
In : Jun 29, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0403829	P	2.7	7	657	68	131	5	<	2	<	<	1.6	1	4	105	6	245	33	184	2	2	<	<	<	0.09	0.02	0.57	0.02	0.04	0.01	<
0403830	P	0.3	10	300	283	651	17	<	2	<	<	5.9	13	7	542	5	90	54	2143	34	21	1	4	<	0.96	0.44	3.32	0.27	0.27	0.01	0.09
0403831	P	39.5	6	6509	65	1859	15	<	2	<	<	4.8	3	6	186	<	292	37	662	10	5	1	1	<	0.16	0.10	1.55	0.02	0.11	0.01	0.02
0403832	P	44.5	9	5671	2536	1.6%	20	<	<	<	<	82.8	2	5	83	<	198	12	131	2	8	<	<	<	0.07	0.09	1.88	0.01	0.06	0.01	0.01
0403833	P	12.1	71	832	765	5062	43	<	2	<	<	21.6	2	1	162	<	181	8	404	4	15	<	1	<	0.08	0.27	1.37	0.06	0.07	0.01	0.01
0403834	P	1.3	19	142	194	4604	6	<	2	<	<	7.2	9	7	453	<	98	41	1050	36	21	2	6	0.02	0.61	0.45	3.86	0.15	0.31	0.03	0.09
0403835	P	0.7	6	187	136	3354	11	<	2	<	<	5.1	2	6	254	<	280	8	266	4	7	<	<	<	0.08	0.06	1.04	0.01	0.06	0.01	0.01
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

29/06/99 Certificate of Analysis

Barramundi Gold WO# 05672

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	202224	246.5	29.155	0.34	0.005	0.32
r	202225	246.8	29.603	0.14	0.004	0.14
r	202226	274.6	28.799	0.24	0.003	0.23
r	202227	257.2	28.363	0.41	0.011	0.41
r	202228	261.6	27.534	1.03	0.028	1.03
r	403836	271.3	28.743	1.03	0.121	1.37
r	403837	240.2	21.687	0.14	0.001	0.13
r	403838	257.2	28.309	0.55	0.105	0.90
r	403839	265.0	24.236	0.41	0.001	0.38
r	403840	284.9	18.042	0.14	0.001	0.13
	Au assay std 2					2.09
r	403841	241.5	28.731	0.38	0.002	0.34
r	403842	252.3	29.253	0.34	0.001	0.31
r	403843	273.3	21.421	0.51	0.002	0.48
r	403844	250.7	29.116	0.79	0.003	0.71
r	403845	272.0	29.457	2.74	0.962	5.98
r	403846	261.5	28.216	0.82	0.008	0.76
r	403847	265.5	29.494	4.42	3.810	18.28
r	403848	249.3	28.541	0.58	0.023	0.61
r	403849	317.3	28.557	29.49	9.164	55.71
	rep 403849	258.4	28.817	13.89	9.753	50.08
p	403850					4.66
	Au assay std 2					1.99
r	403851	250.4	27.644	0.24	0.001	0.22
r	403852	242.3	28.462	2.95	0.322	3.93
r	403853	240.2	16.369	1.92	0.193	2.59
r	403854	264.0	24.064	0.17	0.001	0.16
r	403855	275.6	25.318	8.09	3.721	20.85
r	403856	255.9	20.440	0.96	0.204	1.68
r	403857	251.4	22.280	0.38	0.001	0.35

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05672

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	403858	266.5	28.390	16.56	52.166	210.52
	rep 403858	257.4	28.364	19.27	27.574	124.28
r	403859	263.1	28.657	0.27	0.005	0.26
r	403860	266.1	26.692	0.14	<0.001	0.12
	Au assay std 2					2.09
r	403861	260.7	20.589	0.17	0.002	0.17
r	403862	252.5	24.796	29.31	31.251	150.18
	rep 403862	255.9	22.302	28.97	35.681	165.88
r	403863	274.7	28.118	1.06	0.004	0.97
r	403864	263.8	28.356	0.45	0.002	0.41
r	403865	258.9	28.531	1.85	0.814	4.79
r	403866	261.2	27.916	0.34	0.011	0.35
r	403867	245.8	15.862	0.38	0.001	0.36
r	403868	247.4	27.654	1.03	0.016	0.98
r	403869	272.2	26.089	0.34	0.150	0.86
r	403870	261.8	28.978	0.62	0.003	0.56
	Au assay std 2					2.06
r	403871	262.0	26.945	0.86	0.608	3.09
r	403872	250.2	28.587	0.14	0.001	0.13
r	403873	254.7	26.300	0.96	0.002	0.87
r	403874	273.0	26.592	1.22	0.353	2.39
r	403875	252.3	28.015	0.17	0.076	0.45
r	403876	274.4	28.416	0.31	0.001	0.28
r	403877	271.7	27.348	1.17	0.212	1.83
r	403878	256.9	28.718	1.37	0.013	1.27
r	403879	250.4	28.322	0.27	0.002	0.25
r	403880	261.1	28.928	27.12	14.429	79.38
	rep 403880	262.3	26.718	13.85	10.936	54.13
	Au assay std 2					2.09
r	403881	273.9	19.087	15.77	10.486	52.96

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05672

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt	
	rep 403881	248.4	27.558	17.11	7.233	44.32	
r	403882	264.7	27.710	0.48	0.004	0.45	
r	403883	265.0	25.893	0.34	0.068	0.57	
p	403884					1.41	
r	403885	255.2	23.614	<0.03	<0.001	<0.05	
r	403886	269.8	25.792	0.21	0.001	0.19	
r	403887	268.8	29.341	1.10	0.098	1.34	
r	403888	272.0	26.475	0.41	0.004	0.39	
r	403889	242.1	15.229	1.03	0.003	0.98	
r	403890	270.5	23.664	0.48	0.002	0.45	
	Au assay std 2					2.13	
r	403891	259.5	16.252	0.07	<0.001	0.06	
r	403892	242.9	27.139	1.37	0.004	1.23	
r	403893	250.4	21.110	0.17	<0.001	0.16	
r	403894	262.0	27.784	3.43	0.860	6.35	
r	403895	261.4	23.388	0.69	0.003	0.64	
r	403896	263.7	29.465	12.51	0.988	14.86	
r	403897	246.0	28.774	0.10	<0.001	0.09	
p	403898					4.77	
r	✓403899	279.4	28.918	0.55	0.010	0.53	Regional Rock samples
r	✓403900	261.0	23.333	<0.03	<0.001	<0.05	
	Au assay std 2					2.02	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05672

Certified by

Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
Replicate assays (averaged above for metallics calculations):					
202224			0.34		
202224			0.34		
403836			0.82		
403836			1.23		
403842			0.34		
403842			0.34		
403845			2.64		
403845			2.85		
403855			7.89		
403855			8.30		
403858			15.77		
403858			17.35		
403868			1.03		
403868			0.99		
403874			1.37		
403874			1.06		
rep 403880			13.13		
rep 403880			13.99		
rep 403880			14.47		
403887			0.96		
403887			1.23		
403894			3.26		
403894			3.60		
403899			0.55		
403899			0.58		

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

29/06/99 Certificate of Analysis

Barramundi Gold WO# 05672

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	202224	<1.0	<1.0
r	202225	<1.0	
r	202226	2.7	
r	202227	1.0	
r	202228	2.1	
r	403836	7.2	7.2
r	403837	1.3	
r	403838	8.9	
r	403839	1.6	
r	403840	<1.0	
r	403841	<1.0	1.0
r	403842	<1.0	
r	403843	1.2	
r	403844	1.4	
r	403845	3.9	
r	403846	3.3	
r	403847	35.1	
r	403848	2.9	
r	403849	54.3	
p	403850	20.2	
	CR std	69.3	
r	403851	1.7	
r	403852	4.4	5.2
r	403853	1.8	
r	403854	1.4	
r	403855	16.8	
r	403856	2.2	
r	403857	1.8	1.8
r	403858	37.9	
r	403859	<1.0	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold

WO# 05672

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	403860	<1.0	
r	403861	<1.0	
r	403862	40.6	45.5
r	403863	2.1	
r	403864	1.1	
r	403865	17.6	
r	403866	2.8	
r	403867	1.1	
r	403868	15.1	
r	403869	1.3	
r	403870	1.3	
	CR std	71.1	
r	403871	1.7	
r	403872	<1.0	
r	403873	2.0	2.0
r	403874	10.9	
r	403875	<1.0	
r	403876	<1.0	
r	403877	20.7	
r	403878	1.8	1.5
r	403879	<1.0	
r	403880	32.1	
r	403881	17.5	
r	403882	1.8	
r	403883	4.2	
p	403884	10.2	10.0
r	403885	<1.0	
r	403886	1.3	
r	403887	1.2	
r	403888	<1.0	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05672

Certified by

	Sample #	Ag g/mt	rep Ag g/mt	
r	403889	<1.0		Regional Rock samples
r	403890	<1.0		
	CR std	70.3		
r	403891	<1.0		
r	403892	<1.0		
r	403893	<1.0		
r	403894	6.1	7.0	
r	403895	1.2		
r	403896	<1.0		
r	403897	<1.0		
p	403898	19.9		
r	403899	<1.0	<1.0	
r	403900	<1.0		
	CR std	70.1		

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia
Vancouver B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99F0541

Client : Northern Analytical Laboratories
Project: W.O. 05672

70 Samples
70=Pulp

[054109:44:32:99070699]

Out: Jul 06, 1999
In : Jun 29, 1999

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0202224 P	0.1	10	45	86	3622	5	<	1	<	<	5.1	9	9	114	<	57	18	1047	23	140	2	5	<	0.65	2.68	2.90	0.53	0.32	0.03	0.08
0202225 P	0.2	7	17	74	861	<	<	<	<	<	4.0	8	4	92	<	50	15	871	31	164	2	5	<	0.60	3.11	2.94	0.61	0.30	0.02	0.08
0202226 P	2.5	14	133	188	2682	7	<	2	<	<	10.2	10	7	107	<	52	21	1484	23	161	2	6	<	0.68	3.59	3.13	0.63	0.40	0.02	0.11
0202227 P	0.9	16	144	147	2.1%	12	<	1	<	<	9.4	11	8	26	<	43	18	1113	14	122	2	4	0.01	0.61	2.51	3.55	0.49	0.30	0.02	0.10
0202228 P	1.9	17	260	559	2.2%	17	<	1	<	<	15.3	9	10	18	<	75	16	1473	12	148	2	5	<	0.83	3.90	3.56	0.45	0.44	0.02	0.09
0403836 P	7.4	13	2786	486	3926	22	<	2	<	<	14.1	1	2	166	<	182	14	154	4	8	<	1	<	0.09	0.11	1.01	0.02	0.07	0.01	0.01
0403837 P	1.0	15	195	164	3391	<	<	2	<	<	5.7	9	3	475	<	66	57	1260	42	15	2	4	<	0.40	0.38	3.53	0.04	0.25	0.01	0.09
0403838 P	8.0	23	3316	216	4906	18	<	3	<	<	6.1	2	5	179	<	195	8	169	2	6	<	<	<	0.04	0.06	1.04	0.01	0.04	0.01	<
0403839 P	1.3	14	213	176	7184	7	<	2	<	<	6.6	8	11	1061	<	55	35	1126	28	23	2	3	<	0.31	0.39	3.39	0.03	0.22	0.01	0.08
0403840 P	0.4	5	123	105	2560	<	<	1	<	<	5.0	3	7	251	<	194	15	883	12	8	1	1	<	0.13	0.15	1.76	0.02	0.10	0.01	0.02
0403841 P	0.8	11	121	162	3023	<	<	1	<	<	5.3	7	5	313	6	61	39	827	43	16	2	4	<	0.51	0.37	3.31	0.06	0.28	0.02	0.09
0403842 P	0.6	11	141	165	2380	<	<	1	<	<	5.7	8	6	399	<	78	57	983	42	16	2	4	0.03	0.71	0.38	3.39	0.21	0.39	0.03	0.09
0403843 P	0.8	8	113	153	4441	5	<	1	<	<	5.1	3	5	608	<	79	22	455	22	15	4	2	<	0.30	0.24	2.24	0.02	0.23	0.01	0.04
0403844 P	0.9	9	64	238	7886	7	<	<	<	<	7.7	5	5	622	<	73	14	466	25	24	2	4	<	0.30	0.32	3.19	0.02	0.23	0.01	0.07
0403845 P	3.5	16	1138	643	2.0%	30	<	<	<	<	20.7	2	2	84	<	159	3	46	6	6	3	<	<	0.16	0.02	2.14	0.01	0.14	0.01	0.01
0403846 P	2.9	16	414	230	5497	8	<	3	<	<	8.9	8	7	819	5	86	47	724	37	17	2	4	<	0.39	0.37	3.57	0.04	0.26	0.01	0.08
0403847 P	34.0	9	5365	26	1.0%	22	<	2	<	<	4.4	2	5	51	<	205	8	58	<	3	<	1	<	0.02	0.03	1.36	<	0.02	0.01	<
0403848 P	2.4	12	483	220	4379	<	<	1	<	<	7.0	7	8	585	<	69	53	862	37	20	2	4	<	0.48	0.39	3.63	0.08	0.28	0.02	0.09
0403849 P	58.8	10	10609	135	2.8%	37	<	<	<	<	11.8	3	7	11	<	194	37	88	2	12	1	<	<	0.02	0.10	3.15	<	0.02	0.01	<
0403850 P	19.5	111	944	613	595	12	<	<	<	<	4.5	4	14	14	<	10	5	121	2	11	4	1	<	0.33	0.26	3.60	0.04	0.06	0.20	0.06
0403851 P	1.2	13	715	417	1653	6	<	3	<	<	6.2	9	6	315	13	76	65	934	43	14	2	5	0.03	0.72	0.36	3.78	0.21	0.38	0.03	0.09
0403852 P	3.5	16	1045	168	4311	9	<	1	<	<	7.7	1	7	82	11	225	13	86	2	4	<	<	<	0.05	0.04	1.00	0.01	0.03	0.01	<
0403853 P	2.6	16	419	536	3972	<	<	2	<	<	9.9	8	8	409	<	84	65	1101	35	13	1	4	<	0.46	0.33	3.44	0.05	0.27	0.02	0.09
0403854 P	1.4	11	296	230	2126	11	<	1	<	<	6.2	10	6	767	7	58	52	991	50	15	2	6	0.06	0.94	0.38	3.67	0.32	0.49	0.04	0.09
0403855 P	17.0	25	5877	556	1.5%	123	<	2	<	<	32.7	2	2	143	<	226	103	247	8	15	1	1	<	0.13	0.15	2.98	0.01	0.08	0.01	0.01
0403856 P	2.0	14	660	282	6016	5	<	1	<	<	8.8	5	6	833	<	72	84	433	37	13	1	3	<	0.28	0.35	3.47	0.02	0.20	0.01	0.08
0403857 P	1.5	11	568	189	2090	28	<	3	<	<	4.2	5	1	187	8	107	61	755	25	10	1	3	<	0.23	0.22	2.70	0.02	0.16	0.01	0.06
0403858 P	85.5	25	7443	3771	7945	881	<	<	<	<	0.1m	1	4	35	<	182	4	111	<	6	<	<	<	0.03	0.08	1.12	0.02	0.03	0.01	<
0403859 P	0.8	11	199	148	6235	14	<	<	<	<	5.5	9	3	207	<	63	34	1065	24	45	2	4	0.05	0.77	1.03	3.22	0.37	0.39	0.04	0.08
0403860 P	0.1	9	50	95	132	<	<	2	<	<	4.2	13	5	273	<	68	59	589	31	27	3	5	0.18	1.37	0.71	3.02	0.68	0.36	0.07	0.08
0403861 P	0.2	13	169	169	1003	5	<	2	<	<	4.6	10	9	342	10	62	46	1348	38	13	2	6	<	0.40	0.29	3.38	0.05	0.24	0.01	0.09
0403862 P	0.1m	41	14097	962	8170	58	8	2	<	<	70.9	2	7	233	<	200	99	244	4	8	<	1	<	0.05	0.07	2.20	0.01	0.03	0.01	0.01
0403863 P	2.0	14	890	809	4225	5	<	2	<	<	31.7	8	8	864	6	62	71	1057	42	17	2	6	0.01	0.55	0.35	3.90	0.11	0.27	0.02	0.09
0403864 P	1.0	11	465	282	2545	7	<	2	<	<	11.0	8	5	293	<	71	69	979	45	14	2	5	<	0.39	0.32	3.76	0.04	0.24	0.02	0.09
0403865 P	17.3	32	5234	310	1401	35	<	1	<	<	11.4	1	3	61	<	205	41	86	3	2	<	<	<	0.06	0.02	0.74	<	0.04	0.01	<
0403866 P	2.3	11	765	220	1958	5	<	2	<	<	5.7	8	3	261	<	80	92	955	41	13	2	5	0.01	0.52	0.32	3.51	0.10	0.29	0.02	0.09
0403867 P	0.6	9	174	146	1936	<	<	3	<	<	4.7	9	5	262	<	86	70	972	44	12	2	6	<	0.32	0.29	3.47	0.03	0.20	0.01	0.09
0403868 P	14.7	19	2677	1375	1086	21	<	3	<	<	39.5	1	5	151	<	178	38	213	4	3	<	1	<	0.07	0.03	0.87	0.01	0.05	0.01	0.01
0403869 P	1.0	12	771	282	1162	<	<	1	<	<	6.0	8	7	252	<	75	97	778	29	16	2	5	0.05	0.85	0.37	3.21	0.30	0.37	0.04	0.08
Min Limit	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 99F0541

Client : Northern Analytical Laboratories
Project: W.O. 05672

70 Samples
70=Pulp

[054109:44:32:99070699]

Out: Jul 06, 1999
In : Jun 29, 1999

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
0403870	P	1.1	12	213	398	2443	6	<	2	<	<	6.9	6	3	255	<	88	85	747	42	13	2	4	<	0.37	0.31	3.47	0.05	0.22	0.01	0.08
0403871	P	1.5	10	712	237	884	11	<	1	<	<	6.3	1	3	45	7	187	9	205	<	2	<	<	<	0.03	0.02	0.59	<	0.02	0.01	<
0403872	P	0.2	8	199	151	613	<	<	2	<	<	4.1	9	6	288	<	42	64	734	38	18	2	6	0.05	0.89	0.38	3.26	0.32	0.37	0.04	0.09
0403873	P	1.9	16	337	424	7039	<	<	1	<	<	22.5	5	5	643	<	85	50	701	45	26	1	4	<	0.36	0.45	3.76	0.03	0.24	0.01	0.08
0403874	P	10.5	26	5574	2323	2489	47	<	2	<	<	63.2	2	5	153	6	179	20	299	4	5	<	1	<	0.07	0.04	1.01	0.01	0.05	0.01	<
0403875	P	0.4	10	667	449	994	<	<	1	<	<	5.4	9	2	325	<	65	64	1514	43	15	1	5	<	0.50	0.30	3.37	0.07	0.26	0.02	0.09
0403876	P	0.7	10	167	422	1806	7	<	2	<	<	5.4	7	5	293	7	67	61	853	46	16	2	5	<	0.37	0.33	3.50	0.04	0.21	0.02	0.09
0403877	P	22.5	42	6009	1058	3942	315	<	1	<	<	40.4	1	4	90	<	163	9	167	<	7	<	<	<	0.04	0.05	0.95	<	0.03	0.01	<
0403878	P	1.4	17	353	733	4612	46	<	3	<	<	32.8	6	2	390	<	103	69	633	28	23	2	5	<	0.23	0.30	3.73	0.02	0.17	0.01	0.06
0403879	P	0.6	15	739	547	1476	8	<	2	<	<	7.2	10	5	328	<	93	103	1560	45	16	2	6	<	0.44	0.34	3.45	0.05	0.20	0.02	0.09
0403880	P	16.8	14	6441	141	1829	11	<	3	<	<	5.2	2	4	65	<	221	119	233	4	3	<	1	<	0.05	0.03	0.90	<	0.04	0.01	0.01
0403881	P	22.0	15	5163	271	1516	8	<	1	<	<	5.8	2	4	76	<	195	136	402	7	3	<	1	<	0.05	0.04	1.10	0.01	0.04	0.01	0.01
0403882	P	1.7	13	316	179	1799	5	<	4	<	<	4.8	8	8	228	7	75	65	895	44	14	2	5	<	0.33	0.30	3.42	0.03	0.23	0.01	0.09
0403883	P	3.4	8	1247	209	868	8	<	<	<	<	6.4	1	2	40	<	205	18	162	2	2	<	<	<	0.03	0.02	0.59	<	0.02	0.01	<
0403884	P	10.0	34	44	66	135	<	<	1	<	<	4.8	23	42	288	<	68	72	1623	13	20	7	7	0.01	2.63	1.16	3.73	0.21	0.18	0.02	0.03
0403885	P	0.1	4	43	46	51	<	<	2	<	<	2.7	5	5	1678	5	37	21	700	20	50	3	3	<	0.47	6.25	2.32	0.13	0.17	0.01	0.03
0403886	P	1.4	28	83	523	954	<	<	40	<	<	8.9	11	5	368	<	66	16	821	37	21	1	5	<	0.55	0.64	2.79	0.07	0.24	0.02	0.08
0403887	P	1.2	7	859	567	1412	<	<	2	<	<	21.9	1	2	130	<	151	2	813	3	119	<	<	<	0.05	2.90	0.48	0.04	0.03	0.01	<
0403888	P	0.6	25	62	219	3849	8	<	2	<	<	7.0	8	7	306	<	74	11	938	22	62	2	3	<	0.33	2.69	2.79	0.08	0.20	0.02	0.08
0403889	P	0.8	13	75	165	6120	5	<	4	<	<	5.8	9	5	506	<	81	13	1718	37	45	2	6	<	0.32	2.08	3.45	0.05	0.20	0.01	0.09
0403890	P	0.3	19	36	100	3331	5	<	3	<	<	4.6	9	5	492	5	71	22	1036	32	40	2	5	0.01	0.52	1.89	3.42	0.13	0.26	0.02	0.08
0403891	P	0.1	5	207	40	851	<	<	1	<	<	1.7	1	3	61	<	182	<	203	2	7	<	<	<	0.05	0.22	0.52	0.01	0.03	0.01	<
0403892	P	0.8	18	94	191	1.8%	12	<	<	<	<	7.8	7	9	436	<	86	8	858	21	118	2	3	<	0.29	1.42	3.20	0.03	0.22	0.01	0.07
0403893	P	0.5	15	19	72	643	<	<	1	<	<	4.2	8	7	450	<	78	28	843	30	39	2	6	0.02	0.69	2.36	3.15	0.17	0.32	0.03	0.08
0403894	P	5.3	13	5082	150	1912	297	<	2	<	<	7.8	2	5	111	<	214	2	203	<	15	<	<	<	0.04	0.33	0.63	0.02	0.03	0.01	<
0403895	P	1.3	14	101	165	1273	8	<	9	<	<	5.6	8	2	284	<	87	13	853	30	33	2	6	<	0.35	3.98	3.37	0.06	0.21	0.01	0.09
0403896	P	1.0	8	1029	338	3321	6	<	1	<	<	11.4	1	2	210	<	156	2	135	2	31	<	1	<	0.04	0.62	0.80	0.03	0.03	0.01	<
0403897	P	0.1	22	54	153	169	<	<	5	<	<	4.0	8	6	239	6	69	21	916	38	16	1	6	<	0.55	0.54	3.01	0.08	0.22	0.02	0.08
0403898	P	19.7	112	891	632	421	12	<	<	<	<	4.3	4	14	14	<	10	5	129	2	11	4	1	<	0.34	0.27	3.67	0.04	0.06	0.21	0.06
0403899	P	0.5	6	34	50	4595	39	<	<	<	<	2.8	4	7	64	<	84	7	461	21	37	1	2	<	0.43	0.60	2.57	0.09	0.35	0.02	0.06
0403900	P	<	8	21	48	83	<	<	<	<	<	2.4	5	2	71	<	68	10	782	27	99	2	4	<	0.35	2.71	2.16	0.58	0.24	0.04	0.05
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

Regional Rock samples

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleP=Pulp

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

20/09/99 Certificate of Analysis

Barramundi Gold WO# 05696a

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	403901	232.8	
r	403902	235.4	
r	403903	15.4	
r	403904	163.9	159.7
r	403905	6.0	
r	403906	2.6	
r	403907	169.0	
r	403908	5.4	
r	403909	33.3	
r	403910	1.1	1.1
r	403911	2.1	
r	403912	218.2	
r	403913	2.8	
r	403914	2.1	
r	403915	2.1	
r	403916	<1.0	<1.0
r	403917	5.5	
r	403918	<1.0	
r	403919	21.8	
r	403920	18.7	
	CR std	68.8	
r	403921	1.8	
r	403922	1.3	
r	403923	1.8	2.0
r	403924	8.5	
r	403925	1.9	
r	403926	<1.0	
r	403969	1.8	
r	403970	<1.0	<1.0
r	403971	<1.0	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696a

Certified by

	Sample #	Ag g/mt	rep Ag g/mt
r	403972	<1.0	
r	403973	1.3	
	Geochem std	9.8	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

24/09/99 Certificate of Analysis

Barramundi Gold WO# 05696m

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	403901	265.5	18.783	25.85	9.160	58.52
r	403902	304.4	26.069	28.70	2.761	35.31
r	403903	318.6	10.015	7.03	4.950	22.34
r	403904	265.1	14.421	1.23	0.300	2.30
r	403905	254.8	25.358	0.55	0.005	0.51
r	403906	258.8	12.999	0.51	0.002	0.50
r	403907	265.3	18.192	18.17	12.520	64.11
r	403908	259.4	17.013	5.62	4.894	24.12
r	403909	277.3	21.723	9.67	3.412	21.22
r	403910	269.3	24.373	0.86	0.117	1.21
	Au assay std 2					2.16
r	403911	270.0	16.708	0.41	0.004	0.40
r	403912	264.8	25.701	85.44	81.279	384.05
	rep 403912	249.5	10.415	57.81	86.086	400.38
r	403913	213.4	13.436	2.61	0.301	3.85
r	403914	267.2	24.980	0.51	0.006	0.49
r	403915	322.4	29.698	2.85	0.915	5.42
	Au grav std					8.54
r	403916	236.0	23.955	0.14	0.002	0.13
r	403917	261.4	18.953	11.07	3.327	23.00
r	403918	263.6	22.818	0.38	0.010	0.38
r	403919	268.8	23.458	36.41	11.316	75.33
	rep 403919	218.1	15.324	18.45	7.451	51.31
r	403920	293.6	28.988	9.81	4.166	23.03
r	403921	241.3	29.404	0.51	0.009	0.49
r	403922	299.2	20.828	0.96	0.187	1.52
r	403923	261.0	10.328	0.55	0.001	0.53
r	403924	249.3	14.814	5.49	1.624	11.67
r	403925	304.2	26.993	1.75	1.257	5.73
	Au grav std					8.23

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Barramundi Gold WO# 05696m

Certified by

	Sample #	total pulp wt gm	wt of +150 gm	Au in -150 g/mt	Au in +150 mg	total Au g/mt
r	403926	219.2	13.565	0.07	0.001	0.07
r	403969	246.9	16.379	0.10	<0.001	0.10
r	403970	281.7	11.090	<0.03	<0.001	<0.03
r	403971	280.1	20.389	<0.03	<0.001	<0.03
r	403972	244.5	16.772	0.03	<0.001	0.03
r	403973	239.2	19.006	0.03	0.001	0.04
	Au assay std 2					2.13

Replicate assays (averaged above for metallics calculations):

403901	27.46
403901	24.21
403906	0.51
403906	0.55
403908	6.03
403908	5.21
403912	84.21
403912	86.68
403919	36.14
403919	36.69
rep 403919	18.03
rep 403919	18.86
403923	0.58
403923	0.51
403970	<0.03
403970	0.03

Appendix 11

Exploration Drilling Analyses

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: BARRAMUNDI GOLD LTD. **

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

IL99-2 (Au)

Project : 21321
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1
Total Pages : 3
Certificate Date: 30-SEP-1999
Invoice No. : I9929733
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9929733

SAMPLE	PREP CODE		Au ppb FA+AA
202501	205	294	< 5
202502	205	294	35
202503	205	294	< 5
202504	205	294	15
202505	205	294	< 5
202506	205	294	< 5
202507	205	294	< 5
202508	205	294	< 5
202509	205	294	< 5
202510	205	294	< 5
202511	205	294	< 5
202512	205	294	< 5
202513	205	294	380
202514	205	294	< 5
202515	205	294	< 5
202516	205	294	< 5
202517	205	294	120
202518	205	294	< 5
202519	205	294	< 5
202520	205	294	< 5
202521	205	294	< 5
202522	205	294	< 5
202523	205	294	< 5
202524	205	294	< 5
202525	205	294	< 5
202526	205	294	< 5
202527	205	294	< 5
202528	205	294	< 5
202529	205	294	< 5
202530	205	294	< 5
202531	205	294	< 5
202532	205	294	< 5
202533	205	294	< 5
202534	205	294	< 5
202535	205	294	< 5
202536	205	294	< 5
202537	205	294	< 5
202538	205	294	< 5
202539	205	294	< 5
202540	205	294	< 5

CERTIFICATION: Ken Neale

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : 21321
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :2
Total Pages :3
Certificate Date: 30-SEP-1999
Invoice No. :19929733
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9929733

SAMPLE	PREP CODE		Au ppb FA+AA
202541	205	294	< 5
202542	205	294	< 5
202543	205	294	10
202544	205	294	< 5
202545	205	294	< 5
202546	205	294	< 5
202547	205	294	< 5
202548	205	294	< 5
202549	205	294	< 5
202550	205	294	< 5
202551	214	--	1415
202552	205	294	< 5
202553	205	294	< 5
202554	205	294	< 5
202555	205	294	< 5
202556	205	294	< 5
202557	205	294	< 5
202558	205	294	< 5
202559	205	294	< 5
202560	214	--	6710
202561	205	294	< 5
202562	205	294	< 5
202563	205	294	< 5
202564	205	294	< 5
202565	205	294	< 5
202566	205	294	< 5
202567	205	294	< 5
202568	205	294	< 5
202569	205	294	< 5
202570	205	294	< 5
202571	205	294	< 5
202572	205	294	< 5
202573	205	294	< 5
202574	205	294	< 5
202575	214	--	4960
202576	205	294	< 5
202577	205	294	< 5
202578	205	294	< 5
202579	205	294	< 5
202580	205	294	< 5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : 21321
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 3
Total Pages : 3
Certificate Date: 30-SEP-1999
Invoice No. : I9929733
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9929733

SAMPLE	PREP CODE	Au ppb FA+AA
202581	205 294	< 5
202582	205 294	< 5
202583	205 294	< 5
202584	205 294	< 5
202585	205 294	< 5
202586	205 294	< 5
202587	205 294	< 5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD. ##

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1
Total Pages : 3
Certificate Date: 07-OCT-1999
Invoice No. : I9930177
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930177

SAMPLE	PREP CODE	Au ppb FA+AA
202588	205 294	10
202589	205 294	< 5
202590	214 --	155
202591	205 294	< 5
202592	205 294	< 5
202593	205 294	< 5
202594	205 294	< 5
202595	205 294	< 5
202596	205 294	< 5
202597	205 294	< 5
202598	205 294	< 5
202599	205 294	< 5
202600	205 294	30
202601	205 294	25
202602	205 294	5
202603	205 294	95
202604	205 294	< 5
202605	214 --	5380
202606	205 294	< 5
202607	205 294	15
202608	205 294	65
202609	205 294	< 5
202610	205 294	15
202611	205 294	< 5
202612	205 294	< 5
202613	205 294	< 5
202614	205 294	< 5
202615	205 294	< 5
202616	205 294	< 5
202617	205 294	< 5
202618	205 294	< 5
202619	205 294	< 5
202620	214 --	6950
202621	205 294	< 5
202622	205 294	< 5
202623	205 294	< 5
202624	205 294	< 5
202625	205 294	< 5
202626	205 294	< 5
202627	205 294	< 5

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD. ##

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2
Total Pages : 3
Certificate Date: 07-OCT-1999
Invoice No. : 19930177
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930177

SAMPLE	PREP CODE		Au ppb FA+AA
202628	205	294	< 5
202629	205	294	45
202630	205	294	< 5
202631	205	294	< 5
202632	205	294	< 5
202633	205	294	< 5
202634	205	294	< 5
202635	205	294	< 5
202636	214	--	1410
202637	205	294	< 5
202638	205	294	< 5
202639	205	294	< 5
202640	205	294	< 5
202641	205	294	10
202642	205	294	< 5
202643	205	294	< 5
202644	205	294	< 5
202645	205	294	< 5
202646	205	294	< 5
202647	205	294	< 5
202648	205	294	< 5
202649	205	294	< 5
202650	214	--	435
202651	205	294	< 5
202652	205	294	< 5
202653	205	294	10
202654	205	294	< 5
202655	205	294	< 5
202656	205	294	< 5
202657	205	294	< 5
202658	205	294	< 5
202659	205	294	< 5
202660	205	294	< 5
202661	205	294	< 5
202662	205	294	205
202663	205	294	< 5
202664	205	294	< 5
202665	205	294	< 5
202666	205	294	< 5
202667	205	294	< 5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD. ##

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 3
Total Pages : 3
Certificate Date: 07-OCT-1999
Invoice No. : I9930177
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930177

SAMPLE	PREP CODE		Au ppb FA+AA
202668	205	294	< 5
202669	205	294	< 5
202670	214	--	390
202671	205	294	< 5
202672	205	294	< 5
202673	205	294	< 5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-1 (Au)

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Pa mber : 1
Tota ages : 1
Certificate Date: 18-OCT-1999
Invoice No. : 19930556
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930556

SAMPLE	PREP CODE		Au ppb FA+AA
202674	205	294	< 5
202675	205	294	5
202676	205	294	< 5
202677	205	294	< 5
202678	205	294	< 5
202679	205	294	< 5
202680	205	294	< 5
202681	205	294	< 5
202682	205	294	< 5
202683	205	294	< 5
202684	205	294	< 5
202685	205	294	< 5
202686	205	294	< 5
202687	205	294	< 5
202688	205	294	< 5
202689	205	294	< 5
202690	214	--	425
202691	205	294	< 5
202692	205	294	755
202693	205	294	< 5
202694	205	294	< 5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-3 (Au)

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :1
Total Pages :2
Certificate Date: 18-OCT-1999
Invoice No. :19930579
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9930579

SAMPLE	PREP CODE		Au ppb FA+AA
202695	205	294	< 5
202696	205	294	< 5
202697	205	294	55
202698	205	294	< 5
202699	205	294	< 5
202700	205	294	< 5
202701	205	294	< 5
202702	205	294	< 5
202703	205	294	65
202704	205	294	25
202705	205	294	10
202706	205	294	< 5
202707	205	294	< 5
202708	205	294	170
202709	205	294	25
202710	214	--	6510
202711	205	294	50
202712	205	294	< 5
202713	205	294	20
202714	205	294	< 5
202715	205	294	35
202716	205	294	10
202717	205	294	< 5
202718	205	294	35
202719	205	294	< 5
202720	205	294	20
202721	205	294	< 5
202722	205	294	< 5
202723	205	294	95
202724	205	294	< 5
202725	205	294	85
202726	205	294	< 5
202727	205	294	15
202728	205	294	55
202729	205	294	15
202730	214	--	135
202731	205	294	< 5
202732	205	294	60
202733	205	294	< 5
202734	205	294	< 5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :2
Total Pages :2
Certificate Date: 18-OCT-1999
Invoice No. :19930579
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9930579

SAMPLE	PREP CODE		Au ppb FA+AA
202735	205	294	10
202736	205	294	< 5
202737	205	294	30
202738	205	294	< 5
202739	205	294	< 5
202740	205	294	10
202741	205	294	< 5
202742	205	294	< 5
202743	205	294	< 5
202744	205	294	< 5
202745	205	294	< 5
202746	205	294	25
202747	205	294	120
202748	205	294	< 5
202749	205	294	< 5
202750	214	--	6810
202751	205	294	< 5
202752	205	294	40
202753	205	294	< 5
202754	205	294	< 5
202755	205	294	< 5
202756	205	294	< 5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-5 (Au)

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1
Total Pages : 2
Certificate Date: 18-OCT-1999
Invoice No. : 19930609
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930609

SAMPLE	PREP CODE		Au ppb FA+AA
202757	205	294	< 5
202758	205	294	< 5
202759	205	294	< 5
202760	205	294	20
202761	205	294	50
202762	205	294	< 5
202763	205	294	< 5
202764	205	294	< 5
202765	205	294	30
202766	205	294	< 5
202767	205	294	60
202768	205	294	< 5
202769	205	294	205
202770	214	--	6760
202771	205	294	25
202772	205	294	55
202773	205	294	< 5
202774	205	294	130
202775	205	294	< 5
202776	205	294	100
202777	205	294	< 5
202778	205	294	35
202779	205	294	20
202780	205	294	135
202781	205	294	15
202782	205	294	190
202783	205	294	30
202784	205	294	20
202785	205	294	35
202786	205	294	< 5
202787	205	294	115
202788	205	294	10
202789	205	294	15
202790	214	--	6920
202791	205	294	70
202792	205	294	< 5
202793	205	294	< 5
202794	205	294	60
202795	205	294	120
202796	205	294	< 5

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :2
Total Pages :2
Certificate Date: 18-OCT-1999
Invoice No. :19930609
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9930609

SAMPLE	PREP CODE		Au ppb FA+AA
202797	205	294	35
202798	205	294	< 5
202799	205	294	< 5
202800	205	294	65
202801	205	294	< 5
202802	205	294	5
202803	205	294	< 5
202804	205	294	200
202805	205	294	5
202806	205	294	< 5
202807	205	294	< 5
202808	205	294	< 5
202809	205	294	5
202810	214	--	460
202811	205	294	< 5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

LL99-6 (Au)

Page Number : 1
Total Pages : 1
Certificate Date: 20-OCT-1999
Invoice No. : 19930614
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930614

SAMPLE	PREP CODE		Au ppb FA+AA
202812	205	294	25
202813	205	294	20
202814	205	294	15
202815	205	294	< 5
202816	205	294	110
202817	205	294	15
202818	205	294	270
202819	205	294	< 5
202820	205	294	80
202821	205	294	< 5
202822	205	294	25
202823	205	294	< 5
202824	205	294	25
202825	205	294	65
202826	205	294	1245
202827	205	294	315
202828	205	294	40
202829	205	294	110
202830	214	--	5020
202831	205	294	35
202832	205	294	15
202833	205	294	< 5
202834	205	294	< 5
202835	205	294	< 5
202836	205	294	< 5
202837	205	294	< 5
202838	205	294	< 5
202839	205	294	< 5
202840	205	294	< 5
202841	205	294	< 5
202842	205	294	< 5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-9 (Au)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1
Total Pages : 2
Certificate Date: 25-OCT-1999
Invoice No. : 19931374
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931374

SAMPLE	PREP CODE		Au ppb FA+AA
202843	205	294	25
202844	205	294	< 5
202845	205	294	35
202846	205	294	35
202847	205	294	< 5
202848	205	294	100
202849	205	294	< 5
202850	214	--	450
202851	205	294	< 5
202852	205	294	< 5
202853	205	294	30
202854	205	294	< 5
202855	205	294	600
202856	205	294	< 5
202857	205	294	260
202858	205	294	140
202859	205	294	< 5
202860	205	294	200
202861	205	294	10
202862	205	294	105
202863	205	294	65
202864	205	294	525
202865	205	294	30
202866	205	294	< 5
202867	205	294	20
202868	205	294	235
202869	205	294	795
202870	214	--	150
202871	205	294	< 5
202872	205	294	80
202873	205	294	5
202874	205	294	45
202875	205	294	< 5
202876	205	294	30
202877	205	294	50
202878	205	294	30
202879	205	294	10
202880	205	294	35
202881	205	294	65
202882	205	294	< 5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :2
Total Pages :2
Certificate Date: 25-OCT-1999
Invoice No. :I9931374
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9931374

SAMPLE	PREP CODE		Au ppb FA+AA
202883	205	294	85
202884	205	294	20
202885	205	294	15
202886	205	294	15
202887	205	294	< 5
202888	205	294	< 5
202889	205	294	< 5
202890	214	--	470
202891	205	294	2230
202892	205	294	945
202893	205	294	30
202894	205	294	55

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-11(Au)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Certificate Date: 25-OCT-1999
Invoice No. : I9931380
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931380

SAMPLE	PREP CODE	Au ppb FA+AA
202895	205 294	5
202896	205 294	60
202897	205 294	10
202898	205 294	< 5
202899	205 294	20
202900	205 294	50
202901	205 294	40
202902	205 294	60
202903	205 294	25
202904	205 294	85
202905	205 294	70
202906	205 294	60
202907	205 294	35
202908	205 294	375
202909	205 294	15
202910	214 --	5000
202911	205 294	20
202912	205 294	20
202913	205 294	330
202914	205 294	165
202915	205 294	< 5
202916	205 294	< 5
202917	205 294	65
202918	205 294	< 5
202919	205 294	< 5
202920	205 294	< 5
202921	205 294	35
202922	205 294	< 5
202923	205 294	5
202924	205 294	< 5
202925	205 294	10
202926	205 294	65
202927	205 294	10
202928	205 294	5
202929	205 294	120
202930	214 --	4970
202931	205 294	10
202932	205 294	< 5
202933	205 294	< 5
202934	205 294	80

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2
Total Pages : 2
Certificate Date: 25-OCT-1993
Invoice No. : I9931380
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931380

SAMPLE	PREP CODE		Au ppb FA+AA
202935	205	294	< 5
202936	205	294	975
202937	205	294	< 5
202938	205	294	< 5
202939	205	294	< 5
202940	205	294	10
202941	205	294	< 5
202942	205	294	< 5
202943	205	294	30
202944	205	294	75
202945	205	294	25
202946	205	294	< 5
202947	205	294	< 5
202948	205	294	< 5
202949	205	294	< 5
202950	214	--	150

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1
Total Pages : 3
Certificate Date: 27-OCT-1999
Invoice No. : 19931382
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931382

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA oz/ton
204001	205 294	< 5	-----
204002	205 294	< 5	-----
204003	205 294	< 5	-----
204004	205 294	< 5	-----
204005	205 294	< 5	-----
204006	205 294	< 5	-----
204007	205 294	< 5	-----
204008	205 294	< 5	-----
204009	205 294	< 5	-----
204010	205 294	5	-----
204011	205 294	< 5	-----
204012	205 294	5	-----
204013	205 294	< 5	-----
204014	205 294	< 5	-----
204015	205 294	< 5	-----
204016	205 294	< 5	-----
204017	205 294	< 5	-----
204018	205 294	< 5	-----
204019	205 294	< 5	-----
204020	205 294	< 5	-----
204021	205 294	< 5	-----
204022	205 294	< 5	-----
204023	205 294	< 5	-----
204024	205 294	< 5	-----
204025	205 294	5080	-----
204026	205 294	40	-----
204027	205 294	10	-----
204028	205 294	< 5	-----
204029	205 294	< 5	-----
204030	214 --	6310	-----
204031	205 294	< 5	-----
204032	205 294	< 5	-----
204033	205 294	< 5	-----
204034	205 294	< 5	-----
204035	205 294	< 5	-----
204036	205 294	5	-----
204037	205 294	< 5	-----
204038	205 294	10	-----
204039	205 294	< 5	-----
204040	205 294	35	-----

LL99-4 (Au)

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2
Total Pages : 3
Certificate Date: 27-OCT-1999
Invoice No. : I9931382
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931382

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA oz/ton								
204041	205	294	< 5	-----								
204042	205	294	50	-----								
204043	205	294	15	-----								
204044	205	294	< 5	-----								
204045	214	--	1385	-----								
204046	205	294	20	-----								
204047	205	294	< 5	-----								
204048	205	294	< 5	-----								
204049	205	294	< 5	-----								
204050	205	294	< 5	-----								
204051	205	294	< 5	-----								
204052	205	294	< 5	-----								
204053	205	294	< 5	-----								
204054	205	294	< 5	-----								
204055	205	294	< 5	-----								
204056	205	294	< 5	-----								
204057	205	294	110	-----								
204058	205	294	10	-----								
204059	205	294	865	-----								
204060	214	--	6740	-----								
204061	205	294	5	-----								
204062	205	294	< 5	-----								
204063	205	294	< 5	-----								
204064	205	294	240	-----								
204065	205	294	10	-----								
204066	205	294	< 5	-----								
204067	205	294	< 5	-----								
204068	205	294	< 5	-----								
204069	205	294	< 5	-----								
204070	205	294	85	-----								
204071	214	--	1395	-----								
204072	205	294	< 5	-----								
204073	205	294	5	-----								
204074	205	294	< 5	-----								
204075	205	294	115	-----								
204076	205	294	< 5	-----								
204077	205	294	< 5	-----								
204078	205	294	20	-----								
204079	205	294	< 5	-----								
204080	205	294	< 5	-----								

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 3
Total Pages : 3
Certificate Date: 27-OCT-1999
Invoice No. : I9931382
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931382

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA oz/ton
204081	205	294	30	-----
204082	205	294	< 5	-----
204083	205	294	< 5	-----
204084	205	294	10	-----
204085	205	294	< 5	-----
204086	205	294	< 5	-----
204087	205	294	< 5	-----
204088	205	294	< 5	-----
204089	205	294	< 5	-----
204090	214	--	460	-----
204091	205	294	5	-----
204092	205	294	35	-----
204093	205	294	< 5	-----
204094	205	294	< 5	-----
204095	205	294	< 5	-----
204096	205	294	< 5	-----
204097	205	294	< 5	-----
204098	205	294	< 5	-----
204099	205	294	< 5	-----
204100	205	294	< 5	-----
204101	205	294	< 5	-----
204102	205	294	< 5	-----
204103	205	294	< 5	-----
204104	214	--	5030	-----
204105	205	294	15	-----
204106	205	294	25	-----
204107	205	294	>10000	1.333
204108	205	294	30	-----
204109	205	294	25	-----
204110	205	294	40	-----
204111	205	294	10	-----

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1
Total Pages : 1
Certificate Date: 28-OCT-1999
Invoice No. : 19932132
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9932132

SAMPLE	PREP CODE	Ag FA g/t	Pb %
204107	212 --	185	2.17

CERTIFICATION:

OVERLIMITS from A9931383

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL94-7(Au)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Pa. .mber : 1
Tota. ages : 1
Certificate Date: 27-OCT-1999
Invoice No. : I9931403
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931403

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA oz/ton
204112	205	294	< 5	-----
204113	205	294	< 5	-----
204114	205	294	< 5	-----
204115	205	294	< 5	-----
204116	205	294	< 5	-----
204117	205	294	35	-----
204118	205	294	< 5	-----
204119	205	294	< 5	-----
204120	214	--	440	-----
204121	205	294	< 5	-----
204122	205	294	< 5	-----
204123	205	294	< 5	-----
204124	205	294	< 5	-----
204125	205	294	< 5	-----
204126	205	294	< 5	-----
204127	205	294	< 5	-----
204128	205	294	80	-----
204129	205	294	< 5	-----
204130	205	294	>10000	0.502
204131	205	294	115	-----
204132	214	--	1305	-----
204133	205	294	< 5	-----
204134	205	294	45	-----
204135	205	294	< 5	-----
204136	205	294	< 5	-----
204137	205	294	50	-----
204138	205	294	35	-----
204139	205	294	115	-----
204140	205	294	< 5	-----
204141	205	294	160	-----
204142	205	294	< 5	-----
204143	205	294	< 5	-----
204144	205	294	65	-----
204145	205	294	< 5	-----
204146	205	294	90	-----
204147	205	294	5	-----
204148	205	294	95	-----
204149	205	294	110	-----
204150	214	--	140	-----

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-7 (Au metallics)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1
Total Pages : 1
Certificate Date: 25-OCT-1999
Invoice No. : 19931409
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931409

SAMPLE	PREP CODE		Au tot g/t	Au - g/t	Au + mg	Wt - grams	Wt + grams					
204130	205	234	13.51	6.36	2.906	402	2.26					

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-8 (Au)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1
Total Pages : 2
Certificate Date: 25-OCT-1999
Invoice No. : 19931410
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931410

SAMPLE	PREP CODE		Au ppb FA+AA
204151	205	294	< 5
204152	205	294	10
204153	205	294	50
204154	205	294	25
204155	205	294	70
204156	205	294	80
204157	205	294	< 5
204158	205	294	5
204159	205	294	15
204160	205	294	< 5
204161	205	294	20
204162	214	--	4910
204163	205	294	30
204164	205	294	30
204165	205	294	< 5
204166	205	294	30
204167	205	294	< 5
204168	205	294	25
204169	205	294	< 5
204170	205	294	< 5
204171	205	294	< 5
204172	205	294	< 5
204173	205	294	< 5
204174	205	294	130
204175	205	294	< 5
204176	205	294	10
204177	205	294	< 5
204178	205	294	30
204179	205	294	< 5
204180	214	--	6730
204181	205	294	< 5
204182	205	294	< 5
204183	205	294	85
204184	205	294	< 5
204185	205	294	5
204186	205	294	< 5
204187	205	294	255
204188	205	294	70
204189	205	294	150
204190	205	294	< 5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :2
Total Pages :2
Certificate Date: 25-OCT-1999
Invoice No. : I9931410
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9931410

SAMPLE	PREP CODE		Au ppb FA+AA
204191	214	--	1380
204192	205	294	380
204193	205	294	45
204194	205	294	25
204195	205	294	< 5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-10(Au)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1
Total Pages : 2
Certificate Date: 25-OCT-1999
Invoice No. : I9931412
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931412

SAMPLE	PREP CODE		Au ppb FA+AA
204196	205	294	10
204197	205	294	50
204198	205	294	70
204199	205	294	< 5
204200	205	294	310
204201	205	294	220
204202	205	294	< 5
204203	205	294	100
204204	205	294	770
204205	205	294	1220
204206	205	294	255
204207	205	294	25
204208	205	294	15
204209	205	294	25
204210	214	--	470
204211	205	294	365
204212	205	294	100
204213	205	294	220
204214	205	294	170
204215	205	294	35
204216	205	294	75
204217	205	294	185
204218	205	294	40
204219	205	294	15
204220	205	294	70
204221	205	294	85
204222	205	294	365
204223	205	294	3190
204224	205	294	95
204225	214	--	4910
204226	205	294	45
204227	205	294	60
204228	205	294	150
204229	205	294	< 5
204230	205	294	< 5
204231	205	294	< 5
204232	205	294	35
204233	205	294	< 5
204234	205	294	565
204235	205	294	25

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :2
Total Pages :2
Certificate Date: 25-OCT-1999
Invoice No. :19931412
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9931412

SAMPLE	PREP CODE		Au ppb FA+AA
204236	205	294	15
204237	205	294	130
204238	205	294	< 5
204239	205	294	30
204240	205	294	135
204241	205	294	10

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

U99-12 (Au)

Page Number : 1
Total Pages : 2
Certificate Date: 25-OCT-1999
Invoice No. : I9931415
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931415

SAMPLE	PREP CODE		Au ppb FA+AA
204242	205	294	5
204243	205	294	< 5
204244	205	294	440
204245	205	294	1155
204246	205	294	260
204247	205	294	205
204248	205	294	55
204249	205	294	< 5
204250	205	294	85
204251	205	294	10
204252	205	294	< 5
204253	205	294	< 5
204254	205	294	< 5
204255	214	--	1320
204256	205	294	15
204257	205	294	< 5
204258	205	294	30
204259	205	294	< 5
204260	205	294	< 5
204261	205	294	< 5
204262	205	294	205
204263	205	294	145
204264	205	294	295
204265	205	294	195
204266	205	294	145
204267	205	294	80
204268	205	294	75
204269	205	294	50
204270	214	--	415
204271	205	294	25
204272	205	294	190
204273	205	294	60
204274	205	294	70
204275	205	294	205
204276	205	294	40
204277	205	294	220
204278	205	294	15
204279	205	294	< 5
204280	205	294	< 5
204281	205	294	5

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :2
Total Pages :2
Certificate Date: 25-OCT-1999
Invoice No. : I9931415
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931415

SAMPLE	PREP CODE		Au ppb FA+AA
204282	205	294	< 5
204283	205	294	< 5
204284	214	--	4830
204285	205	294	< 5
204286	205	294	< 5
204287	205	294	< 5
204288	205	294	< 5
204289	205	294	95
204290	205	294	< 5
204291	205	294	115
204292	205	294	< 5
204293	205	294	< 5
204294	205	294	< 5
204295	205	294	5
204296	205	294	< 5
204297	205	294	< 5
204298	205	294	< 5
204299	205	294	< 5
204300	214	--	6800
204301	205	294	< 5
204302	205	294	< 5
204303	205	294	< 5
204304	205	294	< 5
204305	205	294	< 5
204306	205	294	20
204307	205	294	25
204308	205	294	90

CERTIFICATION:

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: BARRAMUNDI GOLD LTD. ##

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-2 (ICP)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :1-A
Total Pages :2
Certificate Date: 11-OCT-1999
Invoice No. :19930271
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9930271

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202501	299	--	1.69	0.3	17.8	380	0.20	0.06	< 10	< 0.02	0.92	58	6.8	2.6	5.7	< 0.1	3.01	20	4	0.84	665
202502	299	--	1.61	0.5	22.6	390	0.20	0.06	< 10	0.04	1.18	50	6.4	3.2	5.2	0.1	2.80	30	6	0.78	645
202503	299	--	1.85	0.2	16.4	450	0.25	0.05	< 10	0.02	0.95	75	6.8	3.4	6.1	0.1	3.06	30	4	0.84	675
202504	299	--	1.44	1.0	638	420	0.15	0.05	< 10	0.06	1.58	53	6.8	3.8	4.6	< 0.1	2.75	10	4	0.66	665
202505-202506	283	--	1.74	0.1	5.2	470	0.15	0.05	< 10	0.02	0.74	58	6.4	2.8	5.6	0.1	2.81	20	< 2	0.80	595
202507	299	--	1.43	0.2	4.6	330	0.15	0.03	< 10	0.02	1.21	38	6.2	1.4	5.0	0.1	2.74	20	2	0.75	640
202508	299	--	1.51	0.2	18.6	350	0.15	0.03	< 10	0.02	1.04	44	6.2	2.0	4.9	0.1	2.77	20	4	0.78	655
202509	299	--	1.16	< 0.1	8.6	230	0.10	0.03	< 10	0.02	0.30	31	1.4	1.2	4.3	< 0.1	2.09	10	10	0.30	515
202510	299	--	2.14	0.3	72.6	140	0.50	0.03	< 10	0.18	2.20	30	21.6	21.2	6.6	0.2	5.53	40	6	1.53	765
202511	299	--	1.02	0.1	15.4	230	0.10	0.03	< 10	0.02	0.37	27	1.4	1.2	4.0	< 0.1	2.10	10	10	0.29	520
202512	299	--	1.79	0.1	3.2	460	0.15	0.03	< 10	0.02	0.89	55	6.6	3.0	5.7	0.1	2.92	20	< 2	0.85	610
202513	299	--	1.14	8.0	>10000	300	< 0.50	< 2.00	< 10	< 0.50	1.78	45	7.0	5.0	< 10.0	Minrlzd	3.25	10	36	0.49	810
202514	299	--	1.68	0.1	8.6	400	0.15	0.03	< 10	0.02	0.97	53	6.6	6.4	5.4	0.1	2.76	30	6	0.85	585
202515	299	--	1.44	0.6	16.4	310	0.25	0.03	< 10	0.02	1.59	45	6.6	2.4	4.5	0.1	2.81	30	8	0.77	670
202516	299	--	1.69	0.3	16.0	380	0.10	0.01	< 10	< 0.02	0.91	60	6.4	3.4	5.2	0.1	2.78	20	6	0.84	585
202517	299	--	0.90	3.4	5490	190	0.15	0.33	< 10	0.74	2.26	39	5.4	5.2	2.3	< 0.1	2.41	10	258	0.39	745
202518	299	--	1.77	0.1	39.8	510	0.20	0.03	< 10	0.02	0.88	60	6.6	3.2	5.7	0.1	3.01	20	2	0.87	655
202519	299	--	2.19	0.1	9.6	70	0.55	0.01	< 10	0.14	2.05	35	23.6	19.8	6.8	0.2	5.16	30	< 2	1.98	700
202520	299	--	2.20	0.4	19.6	70	0.40	0.01	< 10	0.14	2.22	44	24.4	20.0	6.6	0.1	5.22	30	< 2	2.02	735
202521-202523	283	--	1.64	0.2	31.4	210	0.30	0.03	< 10	0.06	1.60	46	6.8	5.0	5.9	0.1	3.00	30	4	0.90	600
202524-202528	283	--	1.66	0.2	76.2	320	0.20	0.03	< 10	0.04	1.26	49	7.2	4.0	6.0	0.1	3.10	30	2	0.92	615
202529	299	--	1.52	0.1	5.0	310	0.15	0.02	< 10	0.02	1.16	46	6.6	3.4	5.3	0.1	2.75	20	8	0.82	660
202530	299	--	1.75	0.1	2.2	400	0.25	0.01	< 10	0.02	1.11	48	7.0	7.0	5.9	0.1	3.10	20	6	0.95	685
202531	299	--	2.53	1.9	43.0	100	0.65	0.02	< 10	0.18	3.22	70	27.4	21.2	8.0	0.1	5.66	20	2	2.40	1070
202532	299	--	1.51	0.3	2.6	170	0.40	0.01	< 10	0.04	1.78	48	6.6	4.8	5.3	< 0.1	2.68	30	8	0.78	620
202533	299	--	1.55	0.3	2.0	200	0.60	0.01	< 10	0.02	2.08	42	6.4	2.8	5.1	< 0.1	2.66	30	10	0.74	665
202534	299	--	2.92	1.8	73.8	40	0.75	0.03	< 10	0.22	4.27	53	26.0	23.6	7.5	0.1	6.04	30	18	1.25	1465
202535	299	--	2.65	2.1	76.4	70	0.70	0.03	< 10	0.22	3.64	84	30.4	26.6	8.1	0.1	5.88	20	8	2.48	1080
202536	299	--	1.71	0.3	8.4	200	0.40	0.05	< 10	0.02	1.46	36	6.8	2.6	6.1	0.1	2.94	20	6	1.00	615
202537	299	--	1.70	0.1	20.6	410	0.15	0.03	< 10	< 0.02	1.01	41	7.0	3.4	5.9	0.1	2.94	30	4	0.86	645
202538	299	--	1.72	< 0.1	0.6	500	0.15	0.01	< 10	< 0.02	0.63	43	7.0	4.2	6.0	0.1	2.94	30	< 2	0.83	610
202539	299	--	1.64	0.1	25.6	360	0.20	0.06	< 10	0.02	0.94	43	7.0	3.8	5.8	0.1	2.91	20	4	0.85	640
202540	299	--	2.19	0.3	6.8	140	0.50	0.04	< 10	0.14	2.25	62	24.8	30.2	7.0	0.2	5.39	30	2	2.34	695
202541	299	--	1.53	0.1	2.8	360	0.20	0.02	< 10	0.02	1.71	37	7.2	3.4	5.9	0.1	3.14	20	2	0.94	650
202542	299	--	2.12	0.8	94.2	90	0.45	0.07	< 10	0.12	2.64	66	27.2	30.8	7.4	0.2	6.17	30	2	2.21	740
202543	299	--	1.69	< 0.1	30.0	430	0.20	0.02	< 10	0.02	0.73	40	7.6	4.4	6.0	0.1	3.20	30	2	0.92	640
202544-202545	283	--	3.03	0.7	311	110	0.30	0.04	< 10	0.14	2.11	54	29.6	34.0	6.9	0.1	4.99	20	8	2.95	445
202546-202547	283	--	1.63	< 0.1	3.8	460	0.20	0.01	< 10	0.02	0.84	46	6.6	3.4	5.7	0.1	2.92	20	4	0.83	595
202548-202549	283	--	3.41	0.3	34.2	40	0.50	0.01	< 10	0.14	3.97	173	34.4	34.6	10.1	0.2	5.81	10	2	3.94	790
202550	299	--	1.71	0.1	2.6	470	0.25	0.02	< 10	< 0.02	1.02	50	7.2	4.4	6.0	0.1	3.11	20	4	0.89	640

CERTIFICATION:

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: BARRAMUNDI GOLD LTD. ##

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-B
Total Pages : 2
Certificate Date: 11-OCT-1999
Invoice No. : I9930271
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930271

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202501	299 --	0.02	0.4	3	640	0.70	5	< 0.5	0.02	0.11	53	0.01	< 0.05	0.36	0.12	0.20	3.25	45	60
202502	299 --	0.03	0.2	3	620	0.64	5	0.5	0.04	0.09	65	0.07	< 0.05	0.32	0.10	0.05	2.85	41	56
202503	299 --	0.02	0.2	3	650	0.75	6	< 0.5	0.02	0.16	59	< 0.01	< 0.05	0.38	0.14	0.15	3.30	48	60
202504	299 --	< 0.01	0.4	2	650	0.69	4	< 0.5	0.02	0.10	57	0.23	< 0.05	0.36	0.11	0.20	3.90	37	50
202505-202506	283 --	0.01	0.2	3	620	0.80	4	< 0.5	0.02	0.17	48	0.01	< 0.05	0.38	0.15	0.05	2.90	45	54
202507	299 --	0.02	0.2	2	620	0.54	4	< 0.5	< 0.02	0.09	46	0.01	< 0.05	0.30	0.11	0.15	3.70	41	56
202508	299 --	< 0.01	< 0.2	3	610	0.57	4	0.5	0.02	0.08	43	0.01	< 0.05	0.28	0.11	0.05	2.50	41	54
202509	299 --	0.01	< 0.2	< 1	330	0.60	1	< 0.5	0.06	0.11	24	< 0.01	< 0.05	0.48	0.10	0.10	0.55	2	42
202510	299 --	0.04	1.6	24	2740	0.27	9	0.5	0.04	0.16	121	0.06	< 0.05	0.18	0.20	0.10	0.60	61	112
202511	299 --	0.01	0.2	1	330	0.44	1	< 0.5	0.06	0.08	23	< 0.01	< 0.05	0.36	0.09	0.10	0.60	2	42
202512	299 --	0.02	1.4	3	650	0.78	4	< 0.5	0.02	0.16	46	0.01	< 0.05	0.36	0.16	0.15	2.90	47	58
202513	299 --	< 1.00	< 1.0	4	660	0.49	3Minrlzd	< 0.20	0.06	72	0.69Minrlzd	< 10.00	0.05<	10.00<	10.00	25	48		
202514	299 --	< 0.01	0.4	3	630	0.63	4	< 0.5	0.04	0.12	45	0.03	< 0.05	0.28	0.15	0.10	3.40	45	56
202515	299 --	0.03	0.2	2	640	0.52	5	0.5	0.02	0.08	89	0.02	< 0.05	0.26	0.07	0.10	2.70	37	56
202516	299 --	0.02	0.6	3	630	0.61	4	< 0.5	0.02	0.15	51	< 0.01	< 0.05	0.30	0.15	0.20	2.75	45	56
202517	299 --	0.02	0.2	3	600	0.30	3	< 0.5	1.44	0.03	92	0.46	< 0.05	0.10	0.01	0.10	3.85	17	62
202518	299 --	0.02	0.8	3	630	0.81	5	< 0.5	0.02	0.16	53	< 0.01	< 0.05	0.38	0.15	0.15	3.00	48	58
202519	299 --	0.01	1.4	26	2440	0.29	6	< 0.5	0.04	0.28	161	0.11	< 0.05	0.14	0.21	0.10	0.30	84	104
202520	299 --	0.01	1.4	27	2490	0.25	7	< 0.5	0.06	0.28	172	0.12	< 0.05	0.16	0.19	0.05	0.40	89	108
202521-202523	283 --	0.03	6.2	3	690	0.33	6	< 0.5	0.02	0.09	65	0.02	< 0.05	0.14	0.04	0.10	3.05	43	56
202524-202528	283 --	0.01	0.4	3	660	0.48	6	< 0.5	0.02	0.10	57	0.01	< 0.05	0.24	0.07	0.15	1.60	47	60
202529	299 --	0.02	0.2	3	620	0.51	4	< 0.5	0.04	0.10	59	0.01	< 0.05	0.24	0.09	0.05	2.95	40	58
202530	299 --	0.02	2.0	3	670	0.60	6	< 0.5	0.02	0.13	66	0.01	< 0.05	0.26	0.11	0.10	2.35	49	64
202531	299 --	0.03	1.2	32	2220	0.20	13	< 0.5	0.04	0.26	213	0.12	< 0.05	0.22	0.18	0.05	0.35	91	104
202532	299 --	0.01	3.8	1	620	0.36	5	< 0.5	0.02	0.07	96	0.02	< 0.05	0.14	0.02	0.05	3.30	31	54
202533	299 --	0.01	0.4	3	620	0.45	4	< 0.5	< 0.02	0.07	97	0.01	< 0.05	0.16	0.02	0.05	2.50	27	52
202534	299 --	0.05	1.0	31	2410	0.33	11	< 0.5	0.08	0.03	95	0.14	< 0.05	0.14	< 0.01	0.15	11.80	59	126
202535	299 --	0.02	1.2	38	2440	0.19	15	< 0.5	0.08	0.21	189	0.27	< 0.05	0.20	0.13	0.05	0.50	97	118
202536	299 --	0.03	0.4	3	620	0.22	6	0.5	< 0.02	0.09	72	0.09	< 0.05	0.08	0.02	0.10	2.65	41	54
202537	299 --	< 0.01	0.2	3	650	0.79	6	< 0.5	< 0.02	0.14	50	0.01	< 0.05	0.38	0.16	0.05	3.95	50	60
202538	299 --	0.02	0.4	2	680	0.89	4	< 0.5	0.02	0.16	40	0.01	< 0.05	0.44	0.18	0.15	2.50	51	62
202539	299 --	0.02	0.2	3	660	0.71	5	< 0.5	0.02	0.12	43	0.02	< 0.05	0.34	0.14	0.10	4.85	48	62
202540	299 --	0.03	1.2	41	2330	0.40	8	< 0.5	0.04	0.24	129	0.05	< 0.05	0.18	0.22	0.05	0.40	79	102
202541	299 --	0.01	0.4	3	660	0.66	7	< 0.5	0.02	0.08	38	0.07	< 0.05	0.28	0.15	0.15	3.60	53	62
202542	299 --	0.01	1.6	40	2580	0.27	8	< 0.5	0.06	0.20	134	0.35	< 0.05	0.12	0.38	0.10	2.10	86	110
202543	299 --	< 0.01	0.2	3	720	0.82	6	< 0.5	0.02	0.13	37	0.01	< 0.05	0.38	0.18	0.05	2.85	54	64
202544-202545	283 --	< 0.01	1.2	92	1620	0.36	5	0.5	0.06	0.28	179	0.17	< 0.05	0.16	0.24	0.10	1.05	57	90
202546-202547	283 --	< 0.01	0.4	3	650	0.84	5	< 0.5	0.02	0.14	35	0.01	< 0.05	0.40	0.18	0.20	2.20	50	58
202548-202549	283 --	0.01	1.0	101	1600	0.11	14	< 0.5	0.08	0.10	127	0.13	< 0.05	0.06	0.06	0.05	0.50	98	92
202550	299 --	< 0.01	0.6	3	700	0.82	6	< 0.5	0.02	0.15	40	0.01	< 0.05	0.38	0.18	0.25	4.45	54	62

CERTIFICATION:

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: BARRAMUNDI GOLD LTD. ##

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2-A
Total Pages : 2
Certificate Date: 11-OCT-1999
Invoice No. : I9930271
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930271

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202552	299	--	1.58	0.2	23.8	320	0.20	0.01	< 10	0.06	1.50	35	7.2	4.2	5.5	< 0.1	3.00	20	4	0.95	685
202553-202554	283	--	3.04	0.6	30.0	90	0.45	0.01	< 10	0.16	3.07	108	29.6	33.4	7.6	0.1	5.20	20	< 2	3.56	535
202555	299	--	1.79	0.2	3.0	460	0.25	0.01	< 10	0.02	1.18	34	7.4	5.0	5.7	0.1	3.25	20	6	1.02	700
202556-202557	283	--	2.89	0.7	51.2	100	0.40	0.02	< 10	0.16	2.09	49	29.6	38.0	7.4	0.1	5.00	20	2	2.92	385
202558	299	--	1.60	0.1	2.2	420	0.20	0.01	< 10	0.02	1.10	38	6.8	3.2	5.4	< 0.1	3.06	20	4	0.89	630
202559	299	--	1.72	0.2	4.4	430	0.30	0.01	< 10	0.02	1.12	48	7.8	4.6	6.0	0.1	3.28	20	2	1.07	615
202561-202563	283	--	2.65	0.7	68.6	180	0.45	0.04	< 10	0.14	2.45	74	23.2	27.8	7.0	0.1	4.50	20	6	2.62	495
202564	299	--	3.05	0.7	66.4	10	0.55	0.04	< 10	0.24	4.19	165	31.0	32.0	10.7	0.3	5.68	20	16	4.02	775
202565	299	--	1.67	0.2	6.8	270	0.20	0.01	< 10	< 0.02	1.46	40	7.2	3.6	5.7	< 0.1	3.16	30	2	0.99	680
202566	299	--	1.60	0.1	3.4	290	0.30	0.02	< 10	0.02	1.49	35	7.0	3.4	5.6	0.1	2.95	30	6	0.92	715
202567	299	--	3.43	0.9	46.6	40	0.60	0.14	< 10	0.12	4.27	130	30.4	31.0	11.0	0.1	6.14	20	6	3.10	920
202568	299	--	2.68	0.5	16.6	110	0.75	0.02	< 10	0.14	4.41	93	22.6	25.4	8.0	0.1	4.58	20	6	2.31	770
202569	299	--	2.97	0.6	62.0	110	0.50	0.01	< 10	0.16	2.44	64	30.0	38.2	7.8	0.1	4.74	20	< 2	2.86	470
202570	299	--	2.57	0.5	37.4	80	0.35	0.01	< 10	0.18	2.01	50	28.8	41.8	7.2	0.1	4.80	20	4	2.98	365
202571-202572	283	--	2.97	0.6	56.8	110	0.60	0.01	< 10	0.14	2.24	44	28.6	36.0	7.1	0.1	4.55	10	< 2	2.90	375
202573	299	--	1.68	0.3	3.0	440	0.20	0.01	< 10	0.04	1.09	36	7.2	3.8	5.9	0.1	3.05	10	4	0.93	620
202574-202576	283	--	1.64	1.2	41.2	450	0.20	0.01	< 10	0.10	0.83	38	7.2	15.2	5.4	< 0.1	3.23	10	78	0.86	640
202577	299	--	1.39	0.5	8.4	280	0.25	0.01	< 10	0.02	1.49	42	6.6	2.8	4.4	< 0.1	2.82	20	6	0.80	660
202578	299	--	1.72	< 0.1	0.6	510	0.15	0.01	< 10	< 0.02	0.62	36	6.8	4.4	5.8	0.1	3.01	30	2	0.87	615
202579	299	--	1.69	< 0.1	1.0	380	0.20	0.03	< 10	< 0.02	0.91	45	7.0	3.8	5.5	0.1	2.96	30	4	0.92	670
202580	299	--	1.54	0.1	2.4	320	0.20	0.06	< 10	0.04	1.83	39	6.8	3.8	4.8	< 0.1	2.94	30	8	0.79	730
202581	299	--	1.62	< 0.1	1.2	420	0.10	0.04	< 10	< 0.02	0.78	43	6.6	5.2	5.3	0.1	3.00	30	4	0.91	625
202582	299	--	1.93	0.3	6.0	80	0.60	0.02	< 10	0.14	2.07	59	26.2	34.6	5.5	0.1	5.44	30	< 2	2.34	705
202583	299	--	1.67	0.1	1.4	420	0.15	0.03	< 10	0.02	0.89	45	6.8	6.4	5.4	0.1	3.03	20	2	0.89	640
202584	299	--	1.65	0.1	1.0	380	0.25	0.03	< 10	0.02	0.92	43	7.0	4.6	5.6	< 0.1	3.03	20	< 2	0.93	645
202585	299	--	1.99	0.8	41.0	90	0.70	0.06	< 10	0.16	2.46	59	28.0	34.4	6.1	0.1	5.63	30	4	2.47	880
202586	299	--	1.83	0.1	2.4	440	0.20	0.03	< 10	0.02	0.92	43	7.4	5.2	5.8	< 0.1	3.28	20	2	1.03	705
202587	299	--	1.51	0.1	1.8	430	0.15	0.01	< 10	< 0.02	0.76	28	6.8	3.6	5.0	< 0.1	2.91	20	< 2	0.86	615

CERTIFICATION: *+

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: BARRAMUNDI GOLD LTD. ##

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2-B
Total Pages : 2
Certificate Date: 11-OCT-1999
Invoice No. : I9930271
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930271

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202552	299	--	0.01	0.2	5	690	0.58	6	< 0.5	0.02	0.10	45	0.01	0.05	0.26	0.13	0.20	3.05	49	60
202553-202554	283	--	0.01	1.2	87	1680	0.30	11	0.5	0.08	0.21	137	0.08	0.05	0.14	0.20	0.20	0.40	84	90
202555	299	--	< 0.01	0.2	3	730	0.80	8	< 0.5	0.02	0.13	46	0.01	0.05	0.38	0.18	0.10	2.10	58	66
202556-202557	283	--	< 0.01	1.4	89	1930	0.44	4	< 0.5	0.10	0.30	146	0.08	0.05	0.22	0.21	0.15	0.35	50	94
202558	299	--	< 0.01	0.2	3	690	0.77	6	< 0.5	< 0.02	0.11	34	< 0.01	0.05	0.34	0.18	0.10	3.75	53	62
202559	299	--	< 0.01	0.4	7	710	0.80	7	< 0.5	0.02	0.13	41	0.01	< 0.05	0.40	0.19	0.05	3.10	56	62
202561-202563	283	--	< 0.01	1.2	61	1630	0.51	8	< 0.5	0.08	0.25	127	0.11	< 0.05	0.24	0.18	0.20	1.30	71	82
202564	299	--	0.03	0.8	88	1580	0.04	12	< 0.5	0.06	0.05	96	0.18	0.05	0.08	0.05	0.05	2.80	108	96
202565	299	--	< 0.01	0.2	3	690	0.46	7	< 0.5	< 0.02	0.11	49	0.01	< 0.05	0.20	0.10	0.05	5.90	51	64
202566	299	--	0.01	0.2	3	660	0.56	6	< 0.5	< 0.02	0.11	54	0.01	< 0.05	0.24	0.09	0.05	3.60	46	62
202567	299	--	0.01	1.0	68	1910	0.11	14	< 0.5	0.04	0.08	114	0.14	< 0.05	0.08	0.02	0.05	0.70	96	104
202568	299	--	< 0.01	0.8	57	1450	0.26	11	< 0.5	0.06	0.15	109	0.06	< 0.05	0.12	0.08	0.05	1.10	74	80
202569	299	--	< 0.01	1.2	80	1760	0.38	8	< 0.5	0.06	0.29	122	0.08	0.05	0.18	0.14	0.10	0.90	63	86
202570	299	--	< 0.01	1.4	80	2020	0.29	5	< 0.5	0.14	0.26	105	0.04	0.05	0.14	0.15	0.35	0.35	57	88
202571-202572	283	--	< 0.01	1.2	86	1800	0.43	6	< 0.5	0.06	0.33	161	0.08	0.05	0.20	0.19	0.15	0.40	54	82
202573	299	--	0.01	0.2	4	700	0.73	7	< 0.5	< 0.02	0.13	42	< 0.01	0.05	0.36	0.18	0.15	3.30	54	62
202574-202576	283	--	0.13	0.4	4	750	0.78	5	< 0.5	1.82	0.15	40	0.37	0.15	0.40	0.18	0.25	2.05	50	116
202577	299	--	< 0.01	0.2	3	710	0.48	4	< 0.5	0.02	0.08	66	0.04	0.05	0.20	0.12	0.15	3.00	40	58
202578	299	--	< 0.01	0.4	2	760	0.90	4	< 0.5	< 0.02	0.14	36	0.01	< 0.05	0.44	0.19	0.05	1.60	53	62
202579	299	--	< 0.01	0.2	3	730	0.68	4	< 0.5	0.02	0.12	44	< 0.01	< 0.05	0.32	0.14	0.15	2.65	49	64
202580	299	--	< 0.01	0.2	3	730	0.57	5	< 0.5	0.04	0.10	62	0.01	< 0.05	0.26	0.09	0.15	4.30	42	60
202581	299	--	< 0.01	0.2	1	730	0.63	5	< 0.5	0.02	0.12	39	0.01	< 0.05	0.28	0.16	0.05	3.15	50	60
202582	299	--	< 0.01	1.4	54	2540	0.17	5	< 0.5	0.06	0.27	141	0.10	0.05	0.10	0.23	0.05	0.40	60	104
202583	299	--	< 0.01	0.2	3	750	0.69	4	< 0.5	0.02	0.14	38	0.02	< 0.05	0.30	0.17	0.10	2.30	52	62
202584	299	--	< 0.01	0.2	2	740	0.66	5	< 0.5	0.02	0.12	42	0.02	< 0.05	0.32	0.14	0.05	2.35	51	62
202585	299	--	0.01	1.4	56	2500	0.21	8	< 0.5	0.04	0.25	153	0.13	< 0.05	0.18	0.19	0.05	0.35	70	106
202586	299	--	< 0.01	0.2	3	790	0.83	6	< 0.5	0.02	0.14	47	0.02	< 0.05	0.36	0.17	0.10	4.30	57	66
202587	299	--	< 0.01	0.2	3	740	0.76	4	< 0.5	< 0.02	0.09	32	0.03	< 0.05	0.34	0.17	0.05	1.55	49	60

CERTIFICATION:

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: BARRAMUNDI GOLD LTD. ##

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

1L99-1 (ICP)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-A
Total Pages : 1
Certificate Date: 12-OCT-1999
Invoice No. : I9930185
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930185

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202588	299	--	2.40	0.1	22.2	290	0.30	0.01	< 10	0.12	1.49	66	17.2	25.4	5.8	0.1	4.03	30	< 2	1.78	420
202589	299	--	2.71	0.1	16.8	90	0.30	0.01	< 10	0.16	2.46	66	27.2	38.4	5.8	0.1	4.77	20	< 2	2.62	510
202591	299	--	1.78	< 0.1	4.0	420	0.20	0.02	< 10	0.02	0.97	53	7.8	11.0	5.2	0.1	3.11	20	< 2	1.09	535
202592	299	--	2.74	< 0.1	5.2	70	0.40	< 0.01	< 10	0.12	2.85	67	27.4	34.4	6.2	0.2	5.21	10	< 2	3.30	415
202593	299	--	2.89	< 0.1	5.8	110	0.45	< 0.01	< 10	0.16	3.00	83	25.0	35.8	6.1	0.1	4.63	20	< 2	2.78	480
202594	299	--	2.65	0.1	4.8	120	0.40	0.01	< 10	0.14	2.58	78	26.8	35.4	5.8	0.1	4.89	10	< 2	3.02	490
202595	299	--	2.50	0.1	11.2	80	0.55	0.01	< 10	0.10	2.66	63	26.0	35.8	5.7	0.1	4.59	20	< 2	3.04	490
202596	299	--	2.67	0.2	15.8	130	0.50	0.01	< 10	0.14	2.88	73	26.6	37.0	6.1	0.1	5.40	20	< 2	3.14	555
202597-202600	283	--	1.43	0.3	10.6	410	0.20	0.07	< 10	3.58	1.49	38	7.6	22.6	5.3	< 0.1	2.93	20	72	0.94	605
202601-202603	283	--	1.26	1.4	3510	280	0.20	0.03	< 10	0.46	2.09	42	6.2	5.6	3.9	< 0.1	2.68	10	20	0.76	730
202604-202607 *	283	--	1.29	1.5	246	330	0.10	0.02	< 10	0.28	1.17	32	6.2	16.0	4.4	< 0.1	2.94	10	96	0.76	565
202608-202611	283	--	1.58	0.7	1510	490	0.25	0.05	< 10	3.50	1.76	37	7.4	6.4	5.0	< 0.1	3.10	20	40	0.95	695
202612	299	--	2.81	0.4	32.0	390	0.50	0.03	< 10	0.18	2.36	80	22.4	31.4	7.0	0.1	4.55	20	< 2	2.49	545
202613	299	--	2.94	0.3	16.0	210	0.60	0.03	< 10	0.16	3.18	93	28.2	37.8	6.7	0.1	5.15	20	< 2	2.98	635
202614-202615	283	--	1.47	0.1	7.0	310	0.40	0.01	< 10	0.04	2.00	28	7.2	4.6	4.8	< 0.1	2.81	20	< 2	1.02	530
202616	299	--	3.01	0.3	15.2	260	0.55	0.01	< 10	0.18	3.06	139	27.4	32.4	8.3	0.1	5.20	20	< 2	3.22	575
202617-202618	283	--	1.53	0.1	1.4	550	0.45	< 0.01	< 10	0.02	1.64	25	6.4	3.6	4.8	< 0.1	2.82	30	< 2	0.97	570
202619-202623 *	283	--	3.06	14.4	59.2	660	0.60	0.04	< 10	0.24	3.40	121	27.6	37.6	7.2	0.1	4.94	20	6	2.98	710
202624-202627	283	--	1.55	0.2	2.6	370	0.35	0.03	< 10	0.06	1.91	31	7.2	4.4	4.8	< 0.1	2.86	30	10	0.99	645
202628-202631	283	--	1.64	0.4	95.6	510	0.50	0.04	< 10	0.04	2.80	37	7.0	4.6	4.3	< 0.1	2.71	30	12	0.99	735
202632	299	--	3.30	0.7	12.2	600	0.55	0.03	< 10	0.14	6.79	144	27.8	27.0	8.9	0.1	5.28	10	2	3.04	1300
202633-202635	283	--	1.74	0.5	2.8	260	0.25	0.03	< 10	0.04	1.88	40	7.6	4.2	5.1	0.1	2.92	30	< 2	1.05	645
202637-202639	283	--	2.80	1.1	19.4	500	0.50	0.03	< 10	0.10	4.82	101	28.2	28.0	7.6	0.1	5.43	10	< 2	2.83	1065
202640-202643	283	--	1.43	0.6	42.2	790	0.40	0.03	< 10	0.06	2.18	40	7.2	5.8	3.9	< 0.1	2.87	30	2	0.93	735
202644	299	--	1.64	< 0.1	1.2	560	0.05	0.02	< 10	0.02	0.79	46	6.4	5.8	5.2	0.1	2.84	30	< 2	0.86	650
202645	299	--	0.98	< 0.1	0.8	320	0.05	0.03	< 10	< 0.02	0.33	32	3.8	2.2	3.5	< 0.1	1.89	30	10	0.48	415
202646-202651 *	283	--	0.85	11.5	14.6	620	0.20	0.04	< 10	0.08	1.45	32	6.0	6.8	2.9	< 0.1	2.43	30	6	0.73	645
202652	299	--	0.73	0.3	42.6	240	0.15	0.03	< 10	0.02	0.65	43	3.4	2.4	2.7	< 0.1	1.67	30	4	0.40	380
202653	299	--	0.92	0.6	586	370	0.20	0.09	< 10	0.74	1.56	34	5.8	3.4	3.1	< 0.1	2.43	30	12	0.72	685
202654-202658	283	--	0.94	0.4	1.4	460	0.25	0.03	< 10	0.02	1.54	36	5.8	7.6	3.2	< 0.1	2.33	30	2	0.72	625
202659	299	--	0.55	0.2	1.2	210	0.10	0.02	< 10	< 0.02	0.92	36	3.8	4.0	2.2	< 0.1	1.72	30	< 2	0.44	430
202660-202663	283	--	0.50	0.4	146.0	790	0.45	0.16	< 10	0.08	2.49	30	6.2	4.0	1.6	< 0.1	2.46	20	22	0.72	740
202664-202666	283	--	1.31	0.1	1.2	430	0.15	0.03	< 10	0.02	1.21	36	7.2	5.4	4.5	0.1	3.01	30	< 2	0.90	695

CERTIFICATION: David Lee

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: BARRAMUNDI GOLD LTD. ##

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-B
Total Pages : 1
Certificate Date: 12-OCT-1999
Invoice No. : I9930185
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930185

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202588	299 --	0.04	0.8	50	1550	0.42	7	< 0.5	0.16	0.23	99	< 0.01	< 0.05	0.20	0.23	0.25	0.75	67	78
202589	299 --	0.02	1.2	100	1810	0.25	6	< 0.5	0.08	0.25	136	0.01	< 0.05	0.14	0.25	0.15	0.50	61	88
202591	299 --	0.03	0.2	9	740	0.72	5	< 0.5	0.06	0.15	51	0.01	< 0.05	0.34	0.21	0.25	1.85	56	56
202592	299 --	0.03	1.2	93	1720	0.20	5	< 0.5	0.04	0.23	240	0.04	< 0.05	0.10	0.28	0.15	0.75	64	86
202593	299 --	0.01	1.4	75	1830	0.26	6	< 0.5	0.06	0.33	210	0.03	< 0.05	0.12	0.22	0.15	0.55	70	88
202594	299 --	0.02	1.2	88	1790	0.34	6	< 0.5	0.04	0.24	235	0.05	< 0.05	0.14	0.24	0.15	5.45	63	88
202595	299 --	0.02	1.2	90	1790	0.26	6	< 0.5	0.02	0.23	181	0.03	< 0.05	0.14	0.17	0.15	0.60	63	88
202596	299 --	0.02	1.4	89	1920	0.34	6	< 0.5	0.10	0.24	196	0.04	< 0.05	0.16	0.23	0.15	3.80	70	96
202597-202600	283 --	0.02	0.2	6	670	0.55	6	< 0.5	16.45	0.10	59	0.04	< 0.05	0.24	0.17	0.20	2.05	52	376
202601-202603	283 --	0.01	0.6	3	640	0.34	5	< 0.5	0.34	0.07	98	0.26	< 0.05	0.12	0.06	0.20	3.10	35	66
202604-202607 *	283 --	0.17	0.2	3	650	0.53	5	0.5	3.10	0.11	45	0.47	0.05	0.28	0.14	0.25	1.65	45	126
202608-202611	283 --	0.02	0.6	1	730	0.56	6	< 0.5	1.00	0.10	76	0.14	< 0.05	0.22	0.11	0.15	2.80	51	378
202612	299 --	0.02	1.4	52	1840	0.64	7	< 0.5	0.52	0.31	136	0.05	< 0.05	0.22	0.29	0.15	0.85	76	98
202613	299 --	0.02	1.4	74	2070	0.34	8	< 0.5	0.10	0.29	149	0.06	< 0.05	0.14	0.16	0.10	0.50	81	94
202614-202615	283 --	0.02	0.2	3	640	0.29	4	< 0.5	0.02	0.06	105	0.05	< 0.05	0.12	0.02	0.05	1.90	38	50
202616	299 --	0.02	1.2	63	1840	0.14	11	< 0.5	0.06	0.21	172	0.07	< 0.05	0.08	0.12	0.05	1.10	105	92
202617-202618	283 --	0.01	0.6	< 1	610	0.40	5	< 0.5	< 0.02	0.08	93	0.02	< 0.05	0.16	0.05	< 0.05	1.75	41	52
202619-202623 *	283 --	0.07	1.8	70	2100	0.21	11	< 0.5	0.06	0.27	190	0.09	< 0.05	0.22	0.14	0.95	0.95	106	92
202624-202627	283 --	0.03	0.2	4	640	0.29	5	< 0.5	0.02	0.07	97	0.02	< 0.05	0.12	0.02	0.05	2.65	40	58
202628-202631	283 --	0.01	0.2	2	680	0.37	5	< 0.5	0.02	0.04	195	0.04	< 0.05	0.12	< 0.01	0.15	2.30	28	54
202632	299 --	0.01	0.8	76	1530	0.08	9	< 0.5	0.10	0.05	425	0.08	< 0.05	0.08	0.01	0.20	5.90	83	90
202633-202635	283 --	0.01	0.2	5	710	0.34	5	< 0.5	0.06	0.07	99	0.03	< 0.05	0.12	0.03	0.15	1.90	38	60
202637-202639	283 --	0.04	1.0	72	1630	0.17	11	< 0.5	0.08	0.04	246	0.08	< 0.05	0.08	0.01	0.15	3.00	73	84
202640-202643	283 --	0.04	0.6	5	690	0.40	5	< 0.5	0.02	0.07	135	0.04	< 0.05	0.16	0.03	0.10	2.80	32	58
202644	299 --	0.01	5.0	3	640	0.81	4	< 0.5	0.02	0.13	45	< 0.01	< 0.05	0.38	0.18	0.15	3.05	52	58
202645	299 --	0.01	0.6	1	350	0.55	3	< 0.5	0.06	0.07	22	< 0.01	< 0.05	0.30	0.12	0.05	2.05	28	36
202646-202651 *	283 --	0.03	5.8	5	620	0.39	5	< 0.5	0.02	0.06	117	0.02	< 0.05	0.22	0.05	0.65	3.55	36	50
202652	299 --	0.01	0.8	1	300	0.31	3	< 0.5	0.02	0.07	46	0.03	< 0.05	0.12	0.04	0.15	1.95	18	32
202653	299 --	0.01	0.4	3	560	0.33	4	< 0.5	0.12	0.06	103	0.11	< 0.05	0.14	0.03	0.15	2.15	27	84
202654-202658	283 --	< 0.01	1.2	< 1	540	0.38	4	< 0.5	0.02	0.06	115	0.02	< 0.05	0.18	0.04	0.05	2.90	27	50
202659	299 --	0.02	0.8	1	340	0.20	2	< 0.5	0.02	0.05	71	0.01	< 0.05	0.08	0.01	0.20	1.85	15	34
202660-202663	283 --	0.02	0.8	1	580	0.22	4	< 0.5	0.16	0.03	178	0.07	< 0.05	0.08	< 0.01	0.15	3.75	17	52
202664-202666	283 --	0.01	0.2	3	700	0.46	6	< 0.5	< 0.02	0.08	73	0.02	< 0.05	0.20	0.09	0.40	3.60	45	62

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-A
Total Pages : 1
Certificate Date: 19-OCT-1999
Invoice No. : I9930561
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930561

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202674-202680	283	--	1.18	0.2	1.2	900	0.35	0.03	< 10	0.04	2.37	27	9.4	8.8	3.5	< 0.1	3.96	30	6	1.31	1025
202681-202684	283	--	0.43	0.1	6.8	850	0.50	0.03	< 10	0.06	2.96	20	7.4	11.0	0.8	< 0.1	3.24	30	12	1.10	810
202685-202688	283	--	0.76	0.1	2.6	620	0.50	0.03	< 10	0.06	2.27	33	7.0	4.4	2.0	< 0.1	2.92	30	8	0.98	740
202689/202691-94	283	--	1.45	0.3	96.8	700	0.45	0.04	< 10	0.06	2.28	25	8.8	11.4	4.1	< 0.1	3.64	30	2	1.24	1005

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-B
Total Pages : 1
Certificate Date: 19-OCT-1999
Invoice No. : I9930561
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930561

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202674-202680	283	--	< 0.01	0.2	2	940	0.42	12	< 0.5	0.02	0.07	176	0.02	< 0.05	0.16	0.05	0.05	2.55	46	78
202681-202684	283	--	< 0.01	3.4	< 1	760	0.24	7	< 0.5	0.06	0.05	265	0.02	< 0.05	0.08	< 0.01	0.15	2.05	19	62
202685-202688	283	--	0.01	0.2	1	740	0.30	6	< 0.5	0.02	0.07	150	0.02	< 0.05	0.10	0.01	0.10	3.25	25	60
202689/202691-94	283	--	0.01	0.2	2	760	0.40	8	< 0.5	0.06	0.08	146	0.06	< 0.05	0.16	0.04	0.05	2.20	49	70

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-3 (ICP)

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-A
Total Pages : 2
Certificate Date: 20-OCT-1999
Invoice No. : I9930581
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930581

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202695-202696	283	--	1.79	0.1	5.4	360	0.15	0.02	< 10	< 0.02	0.59	49	6.4	4.8	5.2	< 0.1	2.69	20	2	0.79	590
202697	299	--	1.24	3.7	3430	270	0.25	0.14	< 10	0.28	1.10	38	5.8	6.6	3.6	< 0.1	2.62	20	12	0.62	680
202698-202701	283	--	1.72	0.1	8.4	350	0.15	0.01	< 10	< 0.02	0.73	43	6.2	3.0	5.0	< 0.1	2.53	20	2	0.79	580
202702	299	--	1.75	0.3	131.5	340	0.25	0.01	< 10	0.06	1.06	54	6.6	5.0	5.1	< 0.1	2.82	30	2	0.81	640
202703	299	--	1.18	2.3	3940	240	0.25	0.05	< 10	6.44	1.83	43	5.6	10.4	3.4	< 0.1	2.35	10	12	0.62	700
202704	299	--	1.58	1.3	1470	260	0.30	0.04	< 10	1.02	1.58	40	7.8	6.6	4.8	< 0.1	3.04	20	10	0.89	830
202705-202707	283	--	1.80	0.3	375	370	0.25	0.01	< 10	0.06	0.78	51	6.4	4.0	5.1	< 0.1	2.70	20	6	0.79	595
202708	299	--	0.78	4.1	6400	210	0.15	0.05	< 10	2.60	2.23	31	6.2	6.0	2.0	< 0.1	2.32	10	16	0.58	825
202709	299	--	1.20	2.2	2900	280	0.15	0.03	< 10	0.44	1.56	30	6.4	5.4	3.6	< 0.1	2.52	10	12	0.72	760
202710	299	--	1.57	696	580	1090	1.55	1.25	< 10	1.52	1.95	141	14.6	132.0	6.2	0.2	2.78	< 10	422	0.07	25
202711	299	--	0.74	4.6	6700	280	0.15	0.06	< 10	0.38	2.64	43	4.0	4.0	1.4	< 0.1	1.80	10	24	0.53	1090
202712	299	--	1.95	0.4	21.6	400	0.20	0.01	< 10	0.02	0.95	54	6.6	5.2	5.3	0.1	2.81	30	4	0.84	620
202713	299	--	0.57	2.3	3250	200	0.25	0.01	< 10	0.16	2.12	38	4.6	2.8	1.3	< 0.1	2.21	10	8	0.53	725
202714	299	--	1.37	0.5	58.4	310	0.35	0.01	< 10	0.06	1.63	41	5.8	3.0	3.8	< 0.1	2.53	20	< 2	0.71	620
202715	299	--	1.01	5.0	7500	290	0.25	0.05	< 10	0.34	3.03	38	5.0	4.0	2.1	< 0.1	2.29	10	42	0.66	1190
202716	299	--	1.75	0.4	23.2	370	0.25	0.01	< 10	0.20	1.04	45	6.8	5.0	5.2	< 0.1	2.70	20	2	0.82	630
202717	299	--	1.62	0.4	171.5	360	0.20	0.01	< 10	0.38	0.86	34	6.6	4.6	4.8	< 0.1	2.56	20	6	0.78	590
202718	299	--	1.24	2.8	5120	290	0.25	0.03	< 10	0.64	1.34	38	6.6	6.0	3.6	< 0.1	2.45	20	16	0.64	645
202719	299	--	1.72	0.1	8.0	350	0.20	0.01	< 10	0.02	0.71	33	6.6	3.2	5.1	0.1	2.74	20	2	0.82	580
202720	299	--	1.18	1.8	1510	290	0.15	0.11	< 10	0.26	1.71	39	6.6	4.4	3.5	< 0.1	2.63	20	12	0.72	745
202721	299	--	1.48	0.4	15.4	290	0.25	0.02	< 10	0.06	0.87	47	6.2	3.6	4.4	< 0.1	2.52	20	6	0.76	565
202722	299	--	1.78	0.1	3.0	390	0.20	< 0.01	< 10	< 0.02	0.64	41	6.6	3.8	5.3	< 0.1	2.72	20	4	0.80	575
202723	299	--	1.34	2.6	4530	310	0.20	0.04	< 10	0.28	1.23	33	6.6	4.6	4.1	< 0.1	2.81	20	6	0.74	660
202724	299	--	1.74	0.1	12.8	380	0.15	< 0.01	< 10	< 0.02	0.68	47	7.0	4.2	5.3	< 0.1	2.70	20	2	0.82	580
202725	299	--	1.00	3.9	6290	240	0.25	0.06	< 10	1.12	2.10	39	6.4	8.4	2.6	< 0.1	2.53	10	26	0.66	805
202726	299	--	1.48	< 0.1	18.2	270	0.25	< 0.01	< 10	0.02	0.70	33	6.4	3.4	4.7	< 0.1	2.50	20	2	0.78	540
202727	299	--	0.62	2.1	2840	180	0.35	0.04	< 10	0.24	3.15	34	6.0	3.2	1.5	< 0.1	2.68	20	14	0.80	925
202728	299	--	1.09	0.5	408	220	0.25	0.01	< 10	0.12	2.20	32	6.0	2.6	3.3	< 0.1	2.64	20	6	0.83	720
202729	299	--	1.21	1.4	2190	270	0.15	0.05	< 10	0.34	1.62	34	6.4	6.6	3.4	< 0.1	2.38	10	10	0.71	690
202730	299	--	1.74	42.6	648	1170	0.60	0.56	< 10	1.40	1.07	68	7.4	95.4	4.4	< 0.1	3.43	10	12	0.32	230
202731	299	--	1.99	0.2	9.8	420	0.30	0.02	< 10	0.02	0.75	61	6.6	4.6	5.5	< 0.1	2.64	20	2	0.79	560
202732	299	--	1.19	4.3	6720	310	0.30	0.07	< 10	0.46	1.93	46	6.2	6.0	3.2	< 0.1	2.47	10	10	0.68	790
202733	299	--	1.75	0.1	16.4	390	0.20	0.01	< 10	< 0.02	0.59	40	6.4	4.4	5.2	0.1	2.54	20	2	0.78	545
202734	299	--	1.57	0.7	846	380	0.20	0.03	< 10	0.14	1.08	44	6.2	5.8	4.7	< 0.1	2.49	10	4	0.75	645
202735	299	--	1.43	1.5	1725	370	0.25	0.06	< 10	0.38	1.26	56	6.0	7.2	4.1	< 0.1	2.44	10	8	0.73	675
202736	299	--	1.88	0.1	6.0	420	0.20	0.10	< 10	0.02	0.97	48	7.4	4.2	5.6	< 0.1	2.79	20	2	0.81	610
202737	299	--	1.67	0.7	852	310	0.20	0.05	< 10	0.08	1.60	42	6.6	4.4	4.8	< 0.1	2.71	20	2	0.79	690
202738	299	--	2.02	0.1	8.8	360	0.40	0.02	< 10	0.02	1.18	67	6.8	4.0	5.8	< 0.1	2.84	30	2	0.83	645
202739	299	--	1.74	0.1	2.6	410	0.15	0.01	< 10	< 0.02	0.71	32	7.0	5.6	5.5	< 0.1	2.75	20	2	0.85	620
202740	299	--	1.58	0.3	41.8	370	0.20	0.02	< 10	0.02	0.99	32	6.8	9.0	5.0	< 0.1	2.63	20	2	0.78	615

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Page Number : 1-B
Total Pages : 2
Certificate Date: 20-OCT-1999
Invoice No. : 19930581
P.O. Number :
Account : RKP

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

CERTIFICATE OF ANALYSIS A9930581

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202695-202696	283	--	< 0.01	0.4	1	630	0.71	4	< 0.5	< 0.02	0.17	43	< 0.01	< 0.05	0.44	0.14	0.20	2.25	42	54
202697	299	--	< 0.01	0.6	1	600	0.49	3	< 0.5	0.16	0.08	62	0.27	< 0.05	0.24	0.08	0.25	3.30	29	54
202698-202701	283	--	< 0.01	0.4	1	590	0.69	3	< 0.5	0.02	0.15	47	< 0.01	< 0.05	0.36	0.14	0.10	2.80	41	52
202702	299	--	< 0.01	0.6	1	630	0.61	4	< 0.5	0.02	0.15	74	0.05	< 0.05	0.32	0.11	0.25	3.55	40	58
202703	299	--	0.04	0.4	1	650	0.44	3	< 0.5	0.14	0.07	123	0.30	0.05	0.18	0.03	0.35	3.05	25	282
202704	299	--	< 0.01	0.2	3	670	0.47	5	< 0.5	0.06	0.08	96	0.15	< 0.05	0.24	0.07	0.15	2.85	39	92
202705-202707	283	--	< 0.01	0.4	1	610	0.73	3	< 0.5	0.06	0.17	53	0.04	< 0.05	0.40	0.14	0.15	2.40	41	54
202708	299	--	0.01	0.4	< 1	610	0.37	2	< 0.5	0.16	0.04	181	0.61	0.05	0.14	0.03	0.35	3.40	17	104
202709	299	--	< 0.01	0.2	< 1	640	0.56	3	< 0.5	0.10	0.08	118	0.26	< 0.05	0.28	0.09	0.15	2.80	30	60
202710	299	--	1.15	15.6	91	8870	0.28	3	5.0	0.58	0.03	384	0.35	0.20	5.92	< 0.01	47.4	11.15	551	192
202711	299	--	0.01	0.2	1	580	0.43	1	< 0.5	0.30	0.03	177	0.43	0.05	0.14	< 0.01	0.50	3.30	8	32
202712	299	--	0.01	0.6	1	640	0.76	4	< 0.5	0.02	0.20	59	0.02	< 0.05	0.40	0.15	0.35	2.40	44	56
202713	299	--	< 0.01	0.2	< 1	580	0.28	3	< 0.5	0.30	0.05	127	0.18	0.05	0.10	< 0.01	0.20	1.95	7	24
202714	299	--	< 0.01	0.4	< 1	570	0.56	3	< 0.5	0.04	0.12	83	0.01	< 0.05	0.28	0.08	0.20	1.95	29	44
202715	299	--	0.01	0.4	1	640	0.55	3	< 0.5	0.26	0.03	226	0.46	< 0.05	0.20	0.01	0.50	3.90	13	36
202716	299	--	< 0.01	0.4	1	650	0.68	3	< 0.5	0.04	0.15	56	0.04	< 0.05	0.36	0.14	0.35	4.00	42	62
202717	299	--	< 0.01	0.2	< 1	620	0.74	3	< 0.5	0.06	0.14	51	0.05	< 0.05	0.38	0.14	0.15	2.85	40	64
202718	299	--	< 0.01	0.6	1	600	0.59	3	< 0.5	0.12	0.08	103	0.40	0.05	0.28	0.07	0.35	2.70	27	64
202719	299	--	< 0.01	0.2	1	630	0.77	3	< 0.5	0.02	0.15	41	< 0.01	< 0.05	0.44	0.16	0.05	2.75	44	54
202720	299	--	< 0.01	0.2	1	620	0.53	3	< 0.5	0.20	0.07	99	0.17	0.05	0.26	0.07	0.20	4.05	28	54
202721	299	--	< 0.01	2.2	1	600	0.61	3	< 0.5	0.02	0.11	47	0.03	0.05	0.34	0.13	0.25	3.90	38	58
202722	299	--	< 0.01	0.4	< 1	650	0.79	3	< 0.5	0.12	0.17	39	< 0.01	< 0.05	0.44	0.17	0.20	3.05	45	54
202723	299	--	< 0.01	0.2	< 1	620	0.60	3	< 0.5	0.08	0.09	69	0.31	< 0.05	0.30	0.10	0.20	2.50	34	54
202724	299	--	< 0.01	0.6	1	650	0.74	3	< 0.5	0.02	0.14	34	< 0.01	< 0.05	0.40	0.17	0.25	2.70	45	54
202725	299	--	< 0.01	0.4	< 1	590	0.42	2	< 0.5	0.26	0.05	148	0.64	< 0.05	0.16	0.03	0.35	3.20	19	70
202726	299	--	< 0.01	0.4	< 1	640	0.52	3	< 0.5	0.02	0.10	28	< 0.01	< 0.05	0.28	0.15	0.15	2.30	40	52
202727	299	--	< 0.01	0.6	< 1	660	0.33	4	< 0.5	0.36	0.03	213	0.21	< 0.05	0.14	< 0.01	0.30	2.70	10	40
202728	299	--	< 0.01	0.2	< 1	590	0.37	3	< 0.5	0.10	0.06	117	0.06	< 0.05	0.16	0.05	0.10	2.40	24	44
202729	299	--	< 0.01	0.2	< 1	590	0.49	3	< 0.5	0.08	0.08	97	0.20	0.05	0.24	0.07	0.20	3.20	27	52
202730	299	--	3.84	14.8	36	1020	0.33	4	3.0	0.28	0.03	61	0.20	0.10	1.74	0.01	5.50	4.25	141	98
202731	299	--	0.07	0.8	1	580	0.75	3	< 0.5	0.02	0.23	55	< 0.01	< 0.05	0.40	0.17	0.30	4.05	43	52
202732	299	--	0.04	0.4	< 1	570	0.59	2	< 0.5	0.10	0.08	131	0.47	< 0.05	0.26	0.06	0.40	3.35	23	48
202733	299	--	< 0.01	0.4	1	610	0.77	3	< 0.5	0.02	0.17	38	< 0.01	0.05	0.44	0.16	0.20	2.65	43	52
202734	299	--	0.01	0.2	1	600	0.69	3	< 0.5	0.08	0.14	66	0.08	< 0.05	0.36	0.12	0.10	2.45	37	50
202735	299	--	< 0.01	1.2	1	600	0.65	3	< 0.5	0.06	0.12	72	0.21	< 0.05	0.32	0.10	0.25	2.85	32	56
202736	299	--	< 0.01	0.4	1	640	0.74	4	< 0.5	0.06	0.18	61	0.06	0.05	0.42	0.14	0.20	3.55	43	54
202737	299	--	< 0.01	0.2	1	600	0.48	4	< 0.5	0.04	0.11	106	0.19	< 0.05	0.24	0.07	0.15	3.40	36	48
202738	299	--	< 0.01	0.4	1	620	0.58	4	< 0.5	< 0.02	0.21	87	< 0.01	< 0.05	0.30	0.10	0.15	2.95	43	54
202739	299	--	< 0.01	0.4	< 1	650	0.79	4	< 0.5	0.02	0.16	41	< 0.01	< 0.05	0.42	0.17	0.15	3.30	46	54
202740	299	--	< 0.01	0.2	1	650	0.68	3	< 0.5	0.08	0.12	50	0.05	< 0.05	0.36	0.13	0.05	2.50	41	52

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2-A
Total Pages : 2
Certificate Date: 20-OCT-1999
Invoice No. : I9930581
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930581

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202741	299	--	1.53	0.4	3.6	70	0.65	0.03	< 10	0.06	4.35	50	6.6	3.6	4.3	< 0.1	2.41	30	12	0.70	955
202742	299	--	1.50	0.1	1.4	270	0.35	0.01	< 10	0.02	0.90	34	6.6	3.4	4.9	< 0.1	2.55	20	2	0.81	560
202743	299	--	1.51	0.1	1.6	500	0.25	0.01	< 10	0.02	0.86	34	6.6	3.6	5.0	< 0.1	2.60	20	6	0.81	555
202744	299	--	1.43	0.4	7.0	260	0.45	0.03	< 10	0.08	2.79	43	6.6	5.2	3.9	< 0.1	2.58	20	4	0.68	765
202745	299	--	1.68	0.1	1.2	530	0.30	0.01	< 10	0.02	0.97	50	7.0	3.6	5.4	< 0.1	2.70	30	2	0.84	595
202746	299	--	1.61	0.3	25.2	340	0.30	0.02	< 10	0.02	1.15	38	7.0	4.2	5.3	< 0.1	2.60	20	4	0.82	615
202747	299	--	1.88	0.7	488	680	0.30	0.08	< 10	0.12	2.22	53	8.0	18.6	5.5	< 0.1	3.11	30	6	0.91	900
202748	299	--	1.62	0.3	20.2	210	0.50	0.04	< 10	0.06	1.74	53	7.0	4.0	5.3	< 0.1	2.60	30	6	0.80	640
202749	299	--	1.71	0.2	1.6	320	0.35	0.02	< 10	0.02	1.14	51	7.0	3.0	5.5	0.1	2.69	30	6	0.84	600
202750	299	--	1.54	674	556	1040	1.70	1.42	< 10	1.66	1.88	138	15.2	132.5	6.6	0.1	2.67	< 10	412	0.07	25
202751	299	--	1.78	1.6	4.8	330	0.30	0.02	< 10	0.02	1.24	53	7.0	4.2	5.5	< 0.1	2.69	20	< 2	0.78	620
202752	299	--	1.27	3.1	4370	280	0.65	0.06	< 10	0.34	2.74	50	6.4	7.2	3.2	< 0.1	2.39	20	10	0.51	870
202753	299	--	1.60	0.4	8.2	290	0.30	0.03	< 10	0.02	1.36	41	7.2	7.6	5.4	< 0.1	2.83	30	4	0.85	660
202754	299	--	1.74	0.4	6.6	340	0.25	0.01	< 10	0.04	1.47	51	7.2	3.8	5.5	< 0.1	2.91	30	< 2	0.82	650
202755	299	--	1.52	0.5	12.0	230	0.25	0.01	< 10	0.02	1.54	45	7.0	4.4	5.5	< 0.1	2.69	20	< 2	0.83	690
202756	299	--	1.52	0.2	2.4	270	0.25	0.01	< 10	0.02	1.04	36	6.8	3.6	5.2	< 0.1	2.62	20	< 2	0.81	620

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2-B
Total Pages : 2
Certificate Date: 20-OCT-1999
Invoice No. : I9930581
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930581

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202741	299 --	< 0.01	0.6	1	570	0.27	3	< 0.5	0.02	0.04	231	< 0.01	< 0.05	0.12	< 0.01	0.15	4.00	19	50
202742	299 --	< 0.01	0.4	1	620	0.49	4	< 0.5	0.02	0.07	53	< 0.01	< 0.05	0.28	0.09	0.15	2.45	37	52
202743	299 --	< 0.01	0.2	1	610	0.48	4	< 0.5	0.02	0.08	52	< 0.01	< 0.05	0.26	0.09	0.05	1.90	37	52
202744	299 --	< 0.01	0.4	< 1	630	0.39	4	< 0.5	0.14	0.06	170	0.03	< 0.05	0.18	0.04	0.15	2.75	25	46
202745	299 --	< 0.01	0.6	1	620	0.54	4	< 0.5	0.02	0.11	63	< 0.01	< 0.05	0.28	0.10	0.20	3.90	39	54
202746	299 --	< 0.01	0.2	1	610	0.52	4	< 0.5	0.02	0.11	69	0.04	< 0.05	0.28	0.09	0.05	3.50	38	52
202747	299 --	< 0.01	0.4	1	650	0.51	6	< 0.5	0.12	0.07	121	0.20	< 0.05	0.24	0.06	0.30	2.20	41	54
202748	299 --	< 0.01	0.6	2	610	0.36	3	< 0.5	0.02	0.06	107	0.04	< 0.05	0.18	0.03	0.20	3.55	31	52
202749	299 --	< 0.01	0.4	1	620	0.52	4	< 0.5	< 0.02	0.11	86	< 0.01	< 0.05	0.28	0.08	0.05	3.40	39	54
202750	299 --	1.06	16.8	89	8650	0.27	3	5.0	0.64	0.02	377	0.34	0.20	6.64	< 0.01	53.3	12.45	544	184
202751	299 --	< 0.01	0.6	< 1	610	0.53	4	< 0.5	0.02	0.17	70	0.01	< 0.05	0.30	0.10	0.40	2.70	40	52
202752	299 --	< 0.01	0.6	< 1	550	0.44	3	< 0.5	0.20	0.06	143	0.38	< 0.05	0.20	0.03	0.45	4.90	21	44
202753	299 --	< 0.01	0.6	3	640	0.48	4	< 0.5	0.02	0.09	87	0.03	< 0.05	0.26	0.09	0.15	2.70	42	54
202754	299 --	< 0.01	0.4	2	640	0.56	5	< 0.5	0.04	0.15	89	< 0.01	< 0.05	0.30	0.09	0.20	4.55	43	56
202755	299 --	< 0.01	0.4	< 1	640	0.45	4	< 0.5	0.02	0.10	102	< 0.01	< 0.05	0.24	0.10	0.20	3.20	41	54
202756	299 --	< 0.01	0.2	1	630	0.55	4	< 0.5	0.02	0.10	67	< 0.01	< 0.05	0.30	0.10	0.10	3.75	42	54

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LL99-5 (ICP)
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Pa. imber : 1-A
Total Pages : 2
Certificate Date: 20-OCT-1999
Invoice No. : I9930611
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930611

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202757	299	--	1.82	0.4	154.0	440	0.25	0.03	< 10	0.06	0.52	77	8.0	7.2	5.8	0.1	2.76	30	8	0.75	635
202758	299	--	1.69	0.4	59.2	320	0.40	0.02	< 10	0.08	0.71	67	8.0	7.0	5.6	0.1	2.77	30	4	0.73	620
202759	299	--	1.74	0.2	4.8	430	0.30	0.08	< 10	0.06	1.20	56	6.6	5.6	5.3	< 0.1	2.57	20	6	0.75	605
202760	299	--	0.93	3.3	3160	290	0.20	0.27	< 10	0.32	1.86	42	5.6	11.0	2.6	< 0.1	2.35	10	22	0.60	945
202761	299	--	0.92	3.2	4940	270	0.30	0.07	< 10	0.70	1.79	42	4.8	5.4	2.6	< 0.1	2.14	10	30	0.52	785
202762	299	--	1.56	0.4	50.0	290	0.25	0.03	< 10	0.14	1.93	54	6.2	4.6	4.4	< 0.1	2.67	30	10	0.72	705
202763	299	--	1.88	0.1	16.0	450	0.25	0.01	< 10	< 0.02	0.78	64	6.6	6.8	5.7	< 0.1	2.74	20	< 2	0.81	600
202764	299	--	1.39	0.4	37.6	280	0.30	0.01	< 10	0.08	2.50	42	6.2	3.4	3.4	< 0.1	2.42	10	2	0.67	680
202765	299	--	1.63	0.1	52.4	390	0.25	0.01	< 10	0.08	1.08	57	6.4	5.0	5.0	< 0.1	2.73	30	10	0.77	625
202766	299	--	1.66	0.1	2.0	390	0.30	0.01	< 10	0.02	0.89	45	5.4	2.6	4.7	< 0.1	2.40	10	6	0.68	545
202767	299	--	1.01	2.7	4540	300	0.15	0.06	< 10	1.78	1.94	47	5.8	6.8	2.9	< 0.1	2.33	10	12	0.62	805
202768	299	--	1.71	0.2	95.6	410	0.25	< 0.01	< 10	0.04	0.68	56	6.0	3.6	5.2	< 0.1	2.52	20	< 2	0.71	545
202769	299	--	1.93	12.0	>10000	340	< 0.50	< 2.00	< 10	2.50	1.79	84	7.0	3.0	< 10.0	Minrlzd	3.57	10	18	0.67	1090
202770	299	--	1.46	704	572	1220	1.80	1.41	< 10	1.66	1.99	142	15.0	134.5	6.4	0.2	2.85	< 10	386	0.07	25
202771	299	--	1.66	2.7	1545	400	0.25	0.07	< 10	0.16	1.09	50	6.2	5.0	4.9	< 0.1	2.68	20	18	0.74	705
202772	299	--	0.71	4.9	6260	260	0.15	0.13	< 10	0.78	2.41	38	4.4	6.2	1.8	< 0.1	2.04	10	14	0.57	1065
202773	299	--	1.61	0.6	184.5	390	0.10	0.02	< 10	0.02	0.79	41	6.2	4.0	5.0	< 0.1	2.62	20	2	0.76	580
202774	299	--	0.90	2.0	>10000	240	< 0.50	< 2.00	< 10	< 0.50	2.09	38	6.0	5.0	< 10.0	Minrlzd	2.70	10	26	0.58	780
202775	299	--	1.67	0.3	37.2	410	0.20	0.01	< 10	0.02	0.87	53	6.0	3.0	5.2	< 0.1	2.63	20	< 2	0.75	575
202776	299	--	0.94	4.5	6420	280	0.05	0.04	< 10	0.72	2.00	38	6.2	5.0	2.8	< 0.1	2.59	10	14	0.66	855
202777	299	--	1.92	0.1	40.2	460	0.20	0.01	< 10	< 0.02	0.68	51	6.0	3.4	5.6	0.1	2.65	20	2	0.82	600
202778	299	--	1.00	4.7	5960	270	0.15	0.06	< 10	1.12	1.68	35	5.8	7.0	2.9	< 0.1	2.51	10	16	0.67	800
202779	299	--	1.21	3.6	6090	290	0.15	0.05	< 10	0.54	1.88	46	6.2	7.0	3.4	< 0.1	2.56	10	10	0.62	805
202780	299	--	1.18	2.0	2710	320	0.15	0.20	< 10	0.44	1.99	40	6.2	10.8	3.3	< 0.1	2.66	10	6	0.71	1020
202781	299	--	1.25	1.7	2350	350	0.30	0.05	< 10	0.44	1.88	45	5.8	8.0	3.5	< 0.1	2.32	10	2	0.56	650
202782	299	--	1.07	3.9	6950	250	0.30	0.06	< 10	0.54	2.05	42	6.0	5.8	2.9	< 0.1	2.47	10	26	0.57	780
202783	299	--	1.21	2.6	4040	270	0.35	0.07	< 10	0.64	2.36	43	6.8	4.4	3.5	< 0.1	2.76	20	6	0.79	875
202784	299	--	0.83	3.6	5690	240	0.30	0.05	< 10	0.30	2.59	39	5.2	4.4	2.3	< 0.1	2.26	10	24	0.65	1060
202785	299	--	0.63	4.1	7180	230	0.25	0.06	< 10	0.30	3.00	30	4.4	2.6	1.4	< 0.1	2.40	10	18	0.77	1225
202786	299	--	1.42	0.3	17.6	300	0.25	0.01	< 10	0.02	1.06	49	6.4	3.8	4.7	< 0.1	2.55	20	8	0.76	575
202787	299	--	0.88	4.6	7720	270	0.30	0.08	< 10	0.76	2.68	39	6.2	7.4	2.4	< 0.1	2.68	10	6	0.74	1075
202788	299	--	1.49	0.3	32.0	360	0.25	0.01	< 10	0.06	1.27	47	6.0	3.8	4.7	< 0.1	2.43	20	6	0.71	595
202789	299	--	0.72	1.1	124.5	190	0.45	0.21	< 10	0.26	2.43	49	5.8	7.2	1.8	< 0.1	2.44	20	2	0.64	880
202790	299	--	1.44	658	552	1110	1.85	1.42	< 10	1.72	1.89	139	14.2	131.0	6.4	0.3	2.73	< 10	374	0.07	25
202791	299	--	0.57	5.7	6510	200	0.25	0.12	< 10	2.92	3.57	45	4.6	5.0	1.1	< 0.1	2.38	10	12	0.71	1115
202792	299	--	1.63	0.6	13.0	340	0.25	0.03	< 10	0.02	1.14	57	6.4	2.6	5.3	0.1	2.57	30	< 2	0.76	615
202793	299	--	1.22	0.4	8.4	300	0.25	0.02	< 10	0.02	2.07	52	6.2	3.0	3.7	< 0.1	2.40	30	8	0.77	750
202794	299	--	0.69	3.8	6710	380	0.25	0.11	< 10	0.26	2.54	42	4.0	3.6	1.5	< 0.1	2.02	10	14	0.58	985
202795	299	--	0.88	3.8	6280	310	0.30	0.10	< 10	0.26	2.60	50	7.0	4.8	2.1	< 0.1	2.64	10	18	0.73	850
202796	299	--	1.56	0.1	20.8	370	0.20	0.01	< 10	0.02	1.03	54	6.4	3.4	4.9	< 0.1	2.55	30	< 2	0.79	595

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :1-B
Total Pages :2
Certificate Date: 20-OCT-1999
Invoice No. :19930611
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9930611

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202757	299 --	< 0.01	1.0	1	650	0.78	4	< 0.5	0.02	0.18	45	< 0.01	< 0.05	0.46	0.13	0.40	3.55	46	56
202758	299 --	< 0.01	0.6	4	630	0.60	4	< 0.5	2.08	0.14	53	< 0.01	< 0.05	0.34	0.09	6.60	3.30	43	56
202759	299 --	< 0.01	0.6	1	590	0.74	4	< 0.5	0.06	0.18	76	0.03	< 0.05	0.38	0.13	0.25	4.20	42	52
202760	299 --	< 0.01	0.6	< 1	630	0.46	3	< 0.5	0.32	0.05	98	0.43	< 0.05	0.18	0.03	0.30	2.85	20	38
202761	299 --	< 0.01	0.4	2	510	0.48	2	< 0.5	0.42	0.06	114	0.37	< 0.05	0.22	0.04	0.20	3.00	19	56
202762	299 --	< 0.01	0.6	< 1	600	0.44	5	< 0.5	0.06	0.09	103	0.01	< 0.05	0.20	0.04	0.25	2.85	29	50
202763	299 --	< 0.01	0.8	4	630	0.81	4	< 0.5	0.12	0.21	55	0.01	< 0.05	0.44	0.15	0.40	4.25	47	54
202764	299 --	< 0.01	0.2	< 1	570	0.51	3	< 0.5	0.18	0.09	119	0.03	< 0.05	0.26	0.05	0.20	2.85	26	44
202765	299 --	< 0.01	0.6	3	650	0.64	4	< 0.5	0.02	0.12	53	0.06	< 0.05	0.34	0.12	0.30	3.45	45	54
202766	299 --	< 0.01	0.2	3	540	0.73	4	< 0.5	0.02	0.19	62	< 0.01	< 0.05	0.38	0.13	0.10	3.60	40	46
202767	299 --	< 0.01	0.6	2	580	0.53	3	< 0.5	0.10	0.07	150	0.58	< 0.05	0.22	0.04	0.45	2.90	23	98
202768	299 --	< 0.01	0.4	< 1	550	0.75	3	< 0.5	< 0.02	0.18	46	0.02	< 0.05	0.46	0.15	0.10	3.85	44	50
202769	299 --	< 1.00	1.0	2	480	0.88	4	Minrlzd	0.20	0.13	116	1.02	Minrlzd	< 10.00	0.05	< 10.00	< 10.00	29	46
202770	299 --	1.26	16.8	91	9250	0.28	3	5.0	0.66	0.02	410	0.34	0.20	6.44	< 0.01	56.3	13.15	579	192
202771	299 --	< 0.01	0.6	1	610	0.73	4	< 0.5	0.12	0.16	69	0.18	< 0.05	0.40	0.12	0.50	2.60	41	52
202772	299 --	< 0.01	0.4	1	580	0.38	2	< 0.5	0.32	0.04	173	0.52	< 0.05	0.14	0.01	0.30	2.45	14	48
202773	299 --	< 0.01	0.6	1	620	0.70	4	< 0.5	0.16	0.15	50	0.03	< 0.05	0.40	0.15	0.20	3.40	45	54
202774	299 --	< 1.00	1.0	2	580	0.50	3	Minrlzd	0.80	0.05	189	0.82	Minrlzd	< 10.00	0.03	< 10.00	< 10.00	19	54
202775	299 --	< 0.01	0.4	1	600	0.71	4	< 0.5	0.02	0.17	58	0.02	< 0.05	0.40	0.15	0.20	2.85	44	54
202776	299 --	< 0.01	0.6	1	580	0.52	3	< 0.5	0.16	0.06	154	0.59	< 0.05	0.24	0.05	0.35	2.90	24	64
202777	299 --	< 0.01	0.2	< 1	650	0.80	4	< 0.5	0.02	0.19	53	< 0.01	< 0.05	0.46	0.17	0.15	2.35	50	54
202778	299 --	< 0.01	0.6	2	620	0.54	3	< 0.5	0.18	0.07	107	0.52	< 0.05	0.24	0.05	0.35	2.15	25	74
202779	299 --	< 0.01	0.6	1	620	0.51	4	< 0.5	0.16	0.08	128	0.50	< 0.05	0.20	0.04	0.40	4.05	27	48
202780	299 --	< 0.01	0.4	< 1	630	0.55	3	< 0.5	0.12	0.07	113	0.44	< 0.05	0.22	0.05	0.15	3.40	27	50
202781	299 --	< 0.01	0.4	2	650	0.50	3	< 0.5	0.06	0.08	117	0.42	< 0.05	0.22	0.04	0.25	4.95	27	48
202782	299 --	< 0.01	0.6	1	610	0.45	3	< 0.5	0.24	0.06	146	0.50	< 0.05	0.18	0.03	0.30	3.65	22	54
202783	299 --	< 0.01	0.4	1	630	0.37	4	< 0.5	0.04	0.06	154	0.47	< 0.05	0.12	0.01	0.20	3.60	26	62
202784	299 --	< 0.01	0.2	1	570	0.41	3	< 0.5	0.14	0.04	190	0.43	< 0.05	0.14	0.01	0.25	2.45	17	36
202785	299 --	0.01	0.2	1	680	0.37	3	< 0.5	0.18	0.03	206	0.44	< 0.05	0.14	< 0.01	0.25	2.60	10	36
202786	299 --	< 0.01	0.6	3	620	0.46	4	< 0.5	0.02	0.12	68	0.01	< 0.05	0.24	0.11	0.20	2.70	39	54
202787	299 --	< 0.01	0.4	1	560	0.40	3	< 0.5	0.14	0.05	166	0.72	< 0.05	0.12	< 0.01	0.25	3.25	16	50
202788	299 --	< 0.01	0.4	2	590	0.57	4	< 0.5	0.02	0.13	79	0.06	< 0.05	0.32	0.09	0.15	4.20	36	50
202789	299 --	< 0.01	0.8	1	600	0.35	3	< 0.5	0.28	0.05	154	0.24	< 0.05	0.12	< 0.01	0.30	4.65	15	44
202790	299 --	1.20	16.6	90	8930	0.28	3	4.5	0.64	0.03	399	0.34	0.20	6.70	< 0.01	55.5	12.95	567	188
202791	299 --	0.03	0.4	< 1	540	0.38	4	< 0.5	0.26	0.02	218	0.45	< 0.05	0.16	< 0.01	0.55	3.20	7	210
202792	299 --	< 0.01	0.4	3	590	0.53	5	< 0.5	0.02	0.16	88	< 0.01	< 0.05	0.32	0.08	0.25	4.50	40	52
202793	299 --	< 0.01	0.6	< 1	570	0.39	4	< 0.5	0.02	0.07	161	0.01	< 0.05	0.20	0.01	0.15	4.05	26	50
202794	299 --	< 0.01	0.6	3	600	0.38	2	< 0.5	0.18	0.03	174	0.50	< 0.05	0.10	< 0.01	0.20	2.40	9	28
202795	299 --	< 0.01	0.6	2	570	0.48	4	< 0.5	0.16	0.05	228	0.80	< 0.05	0.14	< 0.01	0.45	3.55	16	40
202796	299 --	< 0.01	0.4	1	600	0.48	4	< 0.5	0.02	0.14	66	< 0.01	< 0.05	0.28	0.12	0.05	2.65	41	52

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :2-A
Total Pages :2
Certificate Date: 20-OCT-1999
Invoice No. :I9930611
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9930611

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202797	299	--	0.83	3.9	7090	260	0.20	0.09	< 10	0.40	2.23	37	5.2	5.8	2.2	< 0.1	2.31	10	16	0.62	915
202798	299	--	1.28	0.1	16.2	410	0.30	0.01	< 10	0.02	1.43	49	6.0	3.2	4.1	< 0.1	2.52	30	4	0.75	650
202799	299	--	1.50	0.2	30.2	300	0.50	0.02	< 10	0.04	1.51	62	6.4	12.4	4.4	< 0.1	2.60	30	< 2	0.74	635
202800	299	--	0.60	3.8	6740	200	0.25	0.13	< 10	0.44	2.46	44	4.4	5.8	1.3	< 0.1	2.15	10	14	0.60	1160
202801	299	--	1.33	0.4	12.8	260	0.35	0.02	< 10	0.02	1.46	43	6.4	3.4	4.2	< 0.1	2.53	30	8	0.74	635
202802	299	--	0.94	0.1	7.8	160	0.60	0.02	< 10	0.04	2.11	49	6.4	2.8	2.4	< 0.1	2.34	30	6	0.64	575
202803	299	--	1.72	< 0.1	11.8	410	0.15	0.01	< 10	0.02	1.02	56	6.6	3.6	5.2	< 0.1	2.64	30	< 2	0.79	630
202804	299	--	0.86	4.1	7090	280	0.20	0.14	< 10	0.40	2.52	52	4.4	4.0	2.1	< 0.1	2.27	10	10	0.58	1150
202805	299	--	1.06	0.1	18.8	210	0.30	0.01	< 10	0.02	1.70	46	6.2	3.2	3.3	< 0.1	2.60	30	< 2	0.74	650
202806	299	--	1.57	0.1	13.0	390	0.40	0.01	< 10	0.04	1.39	66	6.2	3.8	4.8	< 0.1	2.50	30	2	0.74	740
202807	299	--	1.40	0.6	26.4	920	0.55	0.04	< 10	0.02	2.03	50	4.8	6.0	3.8	< 0.1	1.94	30	2	0.70	875
202808	299	--	1.61	0.3	51.4	810	0.15	0.08	< 10	0.04	1.15	69	6.4	7.8	4.9	< 0.1	2.69	30	< 2	0.77	625
202809	299	--	1.59	0.1	76.4	480	0.20	0.02	< 10	0.02	1.08	50	6.8	4.2	4.8	< 0.1	2.60	20	10	0.79	645
202810	299	--	0.33	281	316	1100	0.30	0.41	< 10	1.50	0.30	39	5.2	89.0	2.9	< 0.1	1.40	10	156	0.03	15
202811	299	--	1.38	0.9	6.6	450	0.35	0.03	< 10	0.02	1.39	62	5.8	5.2	4.1	< 0.1	2.41	30	< 2	0.67	595

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :2-B
Total Pages :2
Certificate Date: 20-OCT-1999
Invoice No. :19930611
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9930611

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202797	299	--	< 0.01	0.4	1	580	0.40	3	< 0.5	0.28	0.05	165	0.49	< 0.05	0.14	0.02	0.25	3.25	18	40
202798	299	--	< 0.01	0.2	1	590	0.49	4	< 0.5	0.02	0.11	110	0.01	< 0.05	0.26	0.08	0.05	2.75	36	52
202799	299	--	< 0.01	16.0	< 1	590	0.54	5	< 0.5	0.04	0.15	144	0.04	< 0.05	0.28	0.05	0.20	3.95	33	50
202800	299	--	< 0.01	1.6	1	580	0.34	3	< 0.5	0.12	0.03	158	0.54	< 0.05	0.10	< 0.01	0.35	2.85	11	34
202801	299	--	< 0.01	0.4	< 1	610	0.46	5	< 0.5	0.02	0.08	130	0.01	< 0.05	0.26	0.06	0.15	6.10	34	58
202802	299	--	< 0.01	0.6	< 1	620	0.32	4	< 0.5	0.04	0.05	198	0.02	< 0.05	0.16	0.01	0.15	4.75	22	46
202803	299	--	< 0.01	0.6	3	630	0.61	5	< 0.5	0.02	0.19	89	< 0.01	< 0.05	0.30	0.11	0.20	2.80	42	54
202804	299	--	< 0.01	0.6	1	590	0.41	3	< 0.5	0.16	0.04	156	0.49	< 0.05	0.12	< 0.01	0.20	3.10	14	40
202805	299	--	< 0.01	0.4	1	600	0.37	5	< 0.5	0.02	0.08	154	< 0.01	< 0.05	0.18	0.04	0.05	3.85	27	50
202806	299	--	< 0.01	0.6	4	570	0.49	4	< 0.5	0.02	0.10	83	< 0.01	< 0.05	0.26	0.08	0.25	3.05	38	50
202807	299	--	< 0.01	0.6	1	580	0.43	4	< 0.5	0.06	0.04	131	0.03	< 0.05	0.22	0.04	0.05	4.00	26	42
202808	299	--	< 0.01	0.6	1	620	0.52	5	< 0.5	0.08	0.12	94	0.09	< 0.05	0.28	0.08	0.15	3.40	40	52
202809	299	--	< 0.01	0.6	1	640	0.62	4	< 0.5	0.04	0.15	67	0.05	< 0.05	0.34	0.13	0.15	2.50	42	50
202810	299	--	0.27	115.0	43	1590	0.07	8	4.0	0.16	0.01	121	0.05	0.15	1.38	< 0.01	16.75	33.7	206	48
202811	299	--	< 0.01	1.4	< 1	630	0.34	5	< 0.5	0.06	0.09	126	0.01	< 0.05	0.18	0.01	0.15	3.35	29	48

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-6 (ICP)

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-A
Total Pages : 1
Certificate Date: 20-OCT-1999
Invoice No. : I9930615
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9930615

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202812	299	--	1.02	2.9	4680	290	0.20	0.11	< 10	0.70	1.46	59	5.8	5.4	3.0	< 0.1	2.25	10	20	0.59	780
202813	299	--	1.08	2.6	4520	310	0.20	0.05	< 10	0.32	1.59	70	5.8	4.8	3.1	< 0.1	2.35	10	10	0.60	740
202814	299	--	1.07	1.2	1795	190	0.50	0.04	< 10	0.18	1.54	41	6.4	3.8	3.2	< 0.1	2.53	30	8	0.50	620
202815	299	--	1.35	0.2	14.2	320	0.20	0.01	< 10	0.02	0.91	43	6.0	3.0	4.4	< 0.1	2.48	20	2	0.74	575
202816	299	--	0.47	12.0	>10000	170	< 0.50	< 2.00	< 10	< 0.50	2.01	65	6.0	3.0	< 10.0	Minrlzd	2.73	10	38	0.50	735
202817	299	--	1.12	1.5	2400	500	0.25	0.09	< 10	0.64	1.42	52	5.4	5.0	3.4	< 0.1	2.30	10	12	0.64	695
202818	299	--	0.87	< 2.0	>10000	200	< 0.50	< 2.00	< 10	< 0.50	1.84	63	9.0	5.0	< 10.0	Minrlzd	3.04	10	50	0.59	685
202819	299	--	1.20	0.4	139.0	110	0.60	0.03	< 10	0.14	2.53	57	6.0	3.2	3.6	< 0.1	2.39	30	2	0.48	760
202820	299	--	1.17	2.6	5020	180	0.25	0.17	< 10	0.70	2.33	54	6.8	4.6	3.8	< 0.1	2.67	10	40	0.66	825
202821	299	--	1.59	0.1	129.0	360	0.20	0.01	< 10	0.02	0.96	52	6.6	2.6	5.3	< 0.1	2.69	10	8	0.81	625
202822	299	--	0.98	2.2	3480	230	0.25	0.17	< 10	3.70	1.53	55	5.8	6.0	3.0	< 0.1	2.38	10	26	0.63	680
202823	299	--	1.34	0.3	282	260	0.20	0.03	< 10	0.08	1.00	38	6.2	2.6	4.6	< 0.1	2.42	20	< 2	0.69	560
202824	299	--	0.71	2.1	3560	230	0.25	0.32	< 10	0.32	1.99	94	3.2	3.4	1.7	< 0.1	1.70	< 10	34	0.42	870
202825	299	--	1.01	2.7	4660	210	0.25	0.23	< 10	1.80	2.00	55	6.6	8.8	3.1	< 0.1	2.53	10	48	0.71	725
202826	299	--	0.81	3.5	5290	170	0.30	7.41	< 10	4.32	2.02	51	4.8	10.6	2.2	< 0.1	2.51	< 10	214	0.44	760
202827	299	--	0.99	3.1	6480	220	0.25	0.12	< 10	1.04	2.09	50	6.0	5.6	2.9	< 0.1	2.46	10	24	0.56	760
202828	299	--	0.74	3.5	7720	210	0.20	0.43	< 10	1.38	1.93	67	5.2	6.6	1.8	< 0.1	1.93	10	40	0.32	665
202829	299	--	0.97	2.1	3480	220	0.20	0.07	< 10	0.90	2.34	45	6.2	8.8	3.2	< 0.1	2.35	10	8	0.53	735
202830	299	--	0.31	12.8	345	40	0.15	0.06	< 10	1.12	0.21	9	3.6	96.5	0.9	< 0.1	3.45	< 10	698	0.04	105
202831	299	--	1.09	2.5	4440	240	0.20	0.10	< 10	0.36	2.23	52	5.2	8.2	3.3	< 0.1	2.16	10	10	0.57	865
202832	299	--	1.35	0.3	1185	320	0.35	0.08	< 10	0.18	1.79	40	5.4	6.8	4.5	< 0.1	2.35	10	8	0.90	705
202833	299	--	2.30	0.3	40.8	520	0.80	0.08	< 10	0.76	3.01	48	12.0	10.2	7.2	< 0.1	4.63	10	34	1.85	1020
202834	299	--	1.48	0.1	28.8	170	0.60	0.03	< 10	0.02	2.02	30	7.0	6.8	6.0	< 0.1	2.84	30	< 2	0.96	585
202835	299	--	2.84	0.3	59.2	200	0.90	0.02	< 10	0.30	3.18	86	29.8	21.6	7.2	0.1	4.58	30	6	2.38	865
202836	299	--	1.90	0.3	14.2	280	0.90	0.04	< 10	0.14	1.35	41	10.6	10.8	6.4	< 0.1	4.31	20	< 2	1.36	960
202837	299	--	2.41	0.4	40.4	130	0.75	0.02	< 10	0.20	2.57	63	24.8	20.8	5.7	0.1	4.84	20	< 2	2.09	620
202838	299	--	2.57	0.4	50.4	410	0.75	0.02	< 10	0.16	3.38	79	27.2	20.0	7.1	0.1	5.11	20	10	2.54	755
202839	299	--	1.93	0.3	119.5	230	0.50	0.07	< 10	0.06	0.91	57	10.0	5.4	7.5	< 0.1	3.43	20	< 2	1.37	480
202840	299	--	1.51	0.3	233	330	0.25	0.05	< 10	0.08	1.59	42	6.4	5.6	4.7	< 0.1	2.52	20	< 2	0.80	700
202841	299	--	1.67	0.1	4.4	270	0.35	0.01	< 10	0.04	2.24	45	7.4	3.4	5.6	< 0.1	3.15	30	< 2	0.99	880
202842	299	--	2.02	0.4	3.6	320	0.45	0.01	< 10	0.06	1.52	48	10.8	7.4	6.3	0.1	3.60	20	< 2	1.34	700

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Page Number : 1-B
Total Pages : 1
Certificate Date: 20-OCT-1999
Invoice No. : I9930615
P.O. Number :
Account : RKP

Project :
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

CERTIFICATE OF ANALYSIS A9930615

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202812	299	--	< 0.01	0.8	3	580	0.51	3	< 0.5	0.38	0.07	109	0.37	< 0.05	0.26	0.05	0.30	2.75	24	58
202813	299	--	< 0.01	0.8	3	560	0.49	3	< 0.5	0.26	0.08	106	0.33	< 0.05	0.22	0.05	0.50	5.00	24	46
202814	299	--	< 0.01	0.6	< 1	660	0.29	5	< 0.5	0.12	0.04	99	0.12	< 0.05	0.16	0.01	0.40	2.75	22	52
202815	299	--	< 0.01	0.4	< 1	580	0.46	4	< 0.5	0.02	0.10	55	0.01	< 0.05	0.24	0.10	0.10	3.40	38	50
202816	299	--	< 1.00	< 1.0	1	530	0.27	4	Minrlzd	0.80	0.02	145	0.75	Minrlzd	< 10.00	< 0.01	< 10.00	< 10.00	8	30
202817	299	--	< 0.01	0.6	1	570	0.47	4	< 0.5	0.22	0.08	102	0.25	< 0.05	0.22	0.06	0.20	3.15	29	58
202818	299	--	< 1.00	< 1.0	1	500	0.34	3	Minrlzd	0.80	0.06	124	1.00	Minrlzd	< 10.00	0.01	< 10.00	< 10.00	18	46
202819	299	--	< 0.01	0.8	2	610	0.26	4	< 0.5	0.06	0.04	125	0.01	< 0.05	0.12	< 0.01	0.45	3.00	20	50
202820	299	--	< 0.01	0.6	< 1	570	0.31	4	< 0.5	0.30	0.04	155	0.44	< 0.05	0.12	0.01	0.20	4.40	27	60
202821	299	--	< 0.01	0.4	1	590	0.59	5	< 0.5	0.02	0.12	63	0.01	< 0.05	0.34	0.11	0.20	4.75	44	56
202822	299	--	< 0.01	0.6	2	530	0.41	3	< 0.5	0.30	0.06	103	0.45	< 0.05	0.18	0.04	0.30	3.50	24	78
202823	299	--	< 0.01	0.6	< 1	560	0.47	5	< 0.5	0.10	0.08	72	0.04	< 0.05	0.28	0.07	0.25	3.10	35	54
202824	299	--	< 0.01	1.0	2	450	0.34	1	< 0.5	0.30	0.04	122	0.32	< 0.05	0.08	< 0.01	0.40	4.20	9	24
202825	299	--	< 0.01	0.6	1	590	0.35	4	< 0.5	0.50	0.05	135	0.71	< 0.05	0.12	0.01	0.40	3.20	23	98
202826	299	--	< 0.01	0.4	1	500	0.32	2	< 0.5	4.92	0.04	125	1.08	0.05	0.12	0.01	0.15	4.15	17	156
202827	299	--	< 0.01	0.6	2	610	0.35	4	< 0.5	0.22	0.05	191	0.62	< 0.05	0.16	0.03	0.25	3.45	23	68
202828	299	--	< 0.01	0.8	1	530	0.33	1	< 0.5	0.44	0.04	149	0.69	< 0.05	0.10	0.01	0.45	5.85	12	64
202829	299	--	< 0.01	0.6	2	580	0.37	3	< 0.5	0.16	0.05	137	0.63	< 0.05	0.16	0.04	0.25	2.90	24	64
202830	299	--	1.33	0.2	8	560	0.04	< 1	3.0	20.5	0.19	11	3.35	0.85	0.38	< 0.01	1.35	0.40	3	540
202831	299	--	0.02	0.6	1	560	0.34	4	< 0.5	0.14	0.06	151	0.47	< 0.05	0.14	0.01	0.25	5.55	23	36
202832	299	--	< 0.01	0.6	3	570	0.41	5	< 0.5	0.04	0.06	81	0.15	< 0.05	0.22	0.05	0.30	4.25	35	42
202833	299	--	< 0.01	0.8	13	960	0.32	7	< 0.5	0.08	0.09	143	0.03	< 0.05	0.26	0.14	0.15	7.15	60	92
202834	299	--	< 0.01	0.2	< 1	640	0.16	5	< 0.5	< 0.02	0.04	104	0.03	< 0.05	0.08	0.01	0.05	2.45	40	58
202835	299	--	< 0.01	1.2	32	2310	0.24	12	< 0.5	0.06	0.11	222	0.02	< 0.05	0.20	0.15	0.05	1.80	102	132
202836	299	--	0.06	0.8	6	810	0.22	6	< 0.5	0.14	0.05	78	0.03	0.05	0.16	0.05	0.25	12.45	51	66
202837	299	--	< 0.01	1.4	32	2210	0.17	5	< 0.5	0.04	0.22	302	0.05	0.05	0.16	0.13	< 0.05	1.20	63	104
202838	299	--	< 0.01	1.4	35	2180	0.14	8	< 0.5	0.02	0.15	298	0.04	< 0.05	0.14	0.12	0.05	1.00	80	102
202839	299	--	< 0.01	0.6	5	800	0.23	6	< 0.5	0.02	0.10	52	0.07	< 0.05	0.20	0.09	0.25	3.50	56	64
202840	299	--	< 0.01	0.6	4	620	0.54	4	< 0.5	0.04	0.10	86	0.10	< 0.05	0.28	0.09	0.15	2.75	36	48
202841	299	--	< 0.01	0.2	1	600	0.53	6	< 0.5	< 0.02	0.09	129	0.02	< 0.05	0.30	0.07	0.05	4.40	40	58
202842	299	--	< 0.01	0.6	9	830	0.61	7	< 0.5	0.02	0.12	92	0.03	< 0.05	0.36	0.18	0.05	3.90	58	70

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-9 (ICP)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-A
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : I9931375
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931375

SAMPLE	PREP CODE	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202843	299 --	1.50	1.8	3100	500	0.25	0.35	< 10	0.46	1.10	51	6.4	5.4	4.2	< 0.1	2.66	20	28	0.73	765
202844	299 --	1.72	0.5	25.4	300	0.45	0.03	< 10	0.06	1.24	35	7.4	4.0	5.3	< 0.1	2.76	30	6	0.78	725
202845	299 --	1.49	1.1	1270	450	0.20	0.21	< 10	0.30	1.71	42	6.8	10.0	4.1	< 0.1	2.85	30	14	0.82	935
202846	299 --	0.99	1.8	2920	250	0.35	1.00	< 10	1.58	2.29	30	6.2	10.0	2.6	< 0.1	2.61	20	106	0.76	960
202847	299 --	1.80	0.4	22.6	330	0.55	0.04	< 10	0.06	1.42	35	7.4	2.8	5.4	< 0.1	2.90	30	6	0.88	700
202848	299 --	0.72	10.4	8830	200	0.25	1.62	< 10	1.52	2.12	32	5.0	10.8	1.6	< 0.1	2.74	20	76	0.58	940
202849	299 --	1.83	0.4	18.0	330	0.50	0.06	< 10	0.06	1.39	39	7.6	7.4	5.5	< 0.1	2.94	30	6	0.90	675
202850	299 --	0.38	301	352	1440	0.20	0.55	< 10	1.76	0.34	43	5.4	97.6	3.1	< 0.1	1.54	10	200	0.03	15
202851	299 --	1.50	0.9	5.8	190	0.55	0.03	< 10	0.04	1.44	29	6.8	3.0	4.4	< 0.1	2.46	30	< 2	0.74	525
202852	299 --	1.28	0.5	10.2	640	0.60	0.03	< 10	0.06	4.39	29	6.2	3.4	3.5	< 0.1	2.39	30	14	0.91	1240
202853	299 --	1.03	2.7	6000	220	0.40	0.20	< 10	0.42	2.11	34	5.6	4.2	2.6	< 0.1	2.47	20	36	0.73	905
202854	299 --	1.69	0.4	12.4	300	0.35	0.02	< 10	0.06	1.51	37	7.4	3.0	5.1	< 0.1	2.92	30	< 2	0.89	675
202855	299 --	1.50	2.2	2920	490	0.70	4.27	< 10	0.28	2.91	34	7.6	6.0	4.1	< 0.1	2.87	30	82	0.64	965
202856	299 --	2.19	0.3	11.8	510	0.35	0.05	< 10	0.04	1.02	47	7.6	4.4	6.1	< 0.1	3.12	30	8	0.93	660
202857	299 --	1.25	3.9	7070	320	0.15	0.05	< 10	0.40	2.18	32	7.2	5.0	3.4	< 0.1	3.13	20	24	0.80	810
202858	299 --	1.03	2.2	3420	270	0.15	0.07	< 10	0.90	1.73	31	6.8	9.4	2.9	< 0.1	2.60	10	20	0.68	680
202859	299 --	1.48	0.3	70.4	270	0.45	0.01	< 10	0.06	1.44	28	6.8	4.0	4.4	< 0.1	2.62	30	2	0.80	665
202860	299 --	0.97	< 2.0	>10000	150	< 0.50	< 2.00	< 10	1.50	2.45	25	7.0	7.0	< 10.0	Minrlzd	3.17	10	178	0.66	925
202861	299 --	1.27	1.0	1220	300	0.30	0.08	< 10	0.12	2.17	32	6.8	7.6	3.8	< 0.1	2.66	20	10	0.82	870
202862	299 --	0.82	4.3	8920	170	0.35	0.18	< 10	0.74	2.28	22	6.8	7.2	2.3	< 0.1	2.68	10	22	0.72	835
202863	299 --	1.39	2.7	2290	260	0.55	6.97	< 10	0.14	2.06	33	7.8	4.6	4.1	< 0.1	2.97	30	24	0.89	840
202864	299 --	0.96	32.0	>10000	200	< 0.50	20.0	< 10	< 0.50	1.61	35	10.0	6.0	< 10.0	Minrlzd	3.78	10	160	0.58	810
202865	299 --	1.02	1.4	3200	160	0.15	0.15	< 10	0.30	2.41	31	6.4	4.4	2.9	< 0.1	2.56	30	16	0.75	905
202866	299 --	1.51	0.3	19.6	270	0.25	0.08	< 10	0.06	1.34	26	6.6	3.4	4.4	< 0.1	2.87	30	12	0.87	710
202867	299 --	0.92	2.3	3940	160	0.20	0.32	< 10	0.44	2.31	23	5.4	6.2	2.4	< 0.1	2.43	20	18	0.74	1010
202868	299 --	0.62	18.0	>10000	200	< 0.50	< 2.00	< 10	< 0.50	1.96	34	12.0	4.0	< 10.0	Minrlzd	3.06	10	24	0.41	755
202869	299 --	1.29	4.5	5150	300	0.25	0.08	< 10	0.76	1.92	27	7.0	16.0	3.7	< 0.1	3.02	20	2	0.82	810
202870	299 --	1.76	38.8	784	1230	0.45	0.62	< 10	1.38	1.11	67	7.2	93.1	4.3	< 0.1	3.45	10	6	0.33	240
202871	299 --	1.66	0.4	15.4	340	0.15	0.04	< 10	0.06	1.02	32	7.0	29.2	5.1	< 0.1	2.79	20	8	0.88	630
202872	299 --	1.00	4.0	6380	240	0.30	0.09	< 10	0.56	2.38	27	7.6	15.8	2.7	< 0.1	2.75	10	22	0.73	865
202873	299 --	1.52	0.3	19.0	320	0.25	0.03	< 10	0.06	0.99	32	6.4	3.8	4.9	< 0.1	2.70	20	4	0.82	595
202874	299 --	0.44	3.6	8170	170	0.20	0.11	< 10	0.30	3.81	25	5.2	4.0	0.9	< 0.1	2.18	10	24	0.69	1225
202875	299 --	1.30	0.4	26.6	210	0.10	0.03	< 10	0.06	1.25	25	6.6	4.0	4.4	< 0.1	2.65	20	2	0.80	575
202876	299 --	1.03	2.3	2980	280	0.25	0.07	< 10	0.74	2.14	26	6.4	8.2	2.8	< 0.1	2.75	20	14	0.78	795
202877	299 --	1.11	2.4	4840	300	0.15	0.06	< 10	0.40	1.95	30	6.6	5.0	3.3	< 0.1	2.61	10	12	0.76	800
202878	299 --	1.10	2.2	4590	290	0.15	0.04	< 10	1.86	1.99	26	6.6	8.6	3.3	< 0.1	2.59	10	8	0.76	810
202879	299 --	1.09	1.4	2870	310	0.30	0.07	< 10	0.12	1.78	27	6.0	3.6	3.0	< 0.1	2.37	10	6	0.72	860
202880	299 --	1.17	2.0	4400	340	0.25	0.15	< 10	0.32	1.98	34	6.8	6.8	3.2	< 0.1	2.67	20	6	0.78	1035
202881	299 --	1.01	3.3	9080	250	0.25	0.08	< 10	0.50	1.84	22	7.4	8.2	3.0	< 0.1	2.82	20	18	0.69	785
202882	299 --	1.61	0.3	25.4	420	0.20	0.12	< 10	0.06	1.45	36	7.2	7.0	4.9	< 0.1	2.79	20	< 2	0.85	830

CERTIFICATION: *+

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-B
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : I9931375
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931375

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202843	299 --	0.01	0.6	2	650	0.63	4	< 0.5	0.28	0.12	75	0.24	< 0.05	0.30	0.09	0.25	3.40	39	60
202844	299 --	0.01	0.6	< 1	710	0.46	5	< 0.5	< 0.02	0.09	98	< 0.01	< 0.05	0.24	0.05	0.15	3.85	38	62
202845	299 --	0.03	0.6	1	740	0.62	5	< 0.5	0.12	0.10	110	0.36	< 0.05	0.28	0.06	0.30	3.85	36	50
202846	299 --	0.01	0.6	2	760	0.35	4	< 0.5	0.78	0.05	149	0.52	< 0.05	0.14	0.02	0.20	2.75	23	92
202847	299 --	0.01	0.4	2	690	0.46	6	< 0.5	< 0.02	0.11	114	< 0.01	< 0.05	0.28	0.06	0.10	3.20	43	68
202848	299 --	0.01	0.8	2	610	0.30	3	< 0.5	1.90	0.03	126	0.75	< 0.05	0.10	< 0.01	0.40	2.10	14	96
202849	299 --	< 0.01	0.4	1	690	0.51	6	< 0.5	0.06	0.13	118	0.03	< 0.05	0.30	0.07	0.10	2.55	45	62
202850	299 --	0.30	128.0	51	1910	0.08	9	4.0	0.16	0.01	151	0.07	0.10	1.68	< 0.01	18.55	42.1	253	54
202851	299 --	0.01	1.6	4	680	0.43	4	< 0.5	0.02	0.06	143	< 0.01	< 0.05	0.26	0.04	0.30	3.00	32	58
202852	299 --	< 0.01	0.6	< 1	650	0.37	4	< 0.5	0.08	0.04	396	0.02	< 0.05	0.22	< 0.01	0.25	4.00	23	48
202853	299 --	< 0.01	0.4	2	660	0.34	4	< 0.5	0.28	0.05	176	0.40	< 0.05	0.12	0.01	0.20	4.00	20	48
202854	299 --	0.01	0.4	< 1	670	0.50	6	< 0.5	0.02	0.11	151	< 0.01	< 0.05	0.28	0.07	0.15	2.70	43	62
202855	299 --	< 0.01	0.8	2	690	0.35	5	< 0.5	1.84	0.05	260	0.19	< 0.05	0.18	< 0.01	0.35	8.40	24	58
202856	299 --	< 0.01	0.6	1	740	0.89	6	< 0.5	0.04	0.23	95	< 0.01	< 0.05	0.48	0.16	0.05	3.80	55	66
202857	299 --	< 0.01	0.6	1	640	0.49	4	< 0.5	0.14	0.07	175	0.64	< 0.05	0.22	0.04	0.20	5.05	29	56
202858	299 --	0.01	0.4	< 1	620	0.45	3	< 0.5	0.12	0.07	135	0.72	< 0.05	0.22	0.04	0.30	2.90	27	70
202859	299 --	< 0.01	0.2	3	690	0.46	5	< 0.5	< 0.02	0.09	121	0.03	< 0.05	0.28	0.06	0.05	2.95	37	56
202860	299 --	3.00	< 1.0	3	570	0.28	3	Minrlzd	2.20	0.04	190	0.92	Minrlzd	< 10.00	< 0.01	< 10.00	< 10.00	15	40
202861	299 --	< 0.01	0.6	2	670	0.43	4	< 0.5	0.06	0.07	132	0.20	< 0.05	0.20	0.05	0.20	3.15	32	48
202862	299 --	0.02	0.8	1	660	0.29	3	< 0.5	0.22	0.03	157	0.67	< 0.05	0.12	0.01	0.20	3.45	19	54
202863	299 --	< 0.01	0.4	3	680	0.44	6	< 0.5	1.32	0.08	183	0.18	< 0.05	0.24	0.04	0.15	4.60	33	54
202864	299 --	< 1.00	< 1.0	3	540	0.49	2	Minrlzd	8.60	0.07	101	1.39	Minrlzd	< 10.00	0.06	< 10.00	< 10.00	25	78
202865	299 --	< 0.01	0.2	2	630	0.28	5	< 0.5	0.12	0.05	185	0.20	< 0.05	0.12	0.01	0.15	5.55	21	52
202866	299 --	< 0.01	0.2	1	660	0.44	6	< 0.5	0.10	0.10	97	0.01	< 0.05	0.24	0.06	0.05	2.80	39	58
202867	299 --	0.01	0.4	1	660	0.25	4	< 0.5	0.26	0.04	165	0.29	< 0.05	0.10	< 0.01	0.20	2.85	18	54
202868	299 --	< 1.00	< 1.0	3	440	0.27	2	Minrlzd	1.20	0.03	123	1.24	Minrlzd	< 10.00	0.01	< 10.00	< 10.00	12	42
202869	299 --	0.01	16.4	2	640	0.49	4	< 0.5	0.08	0.08	127	0.49	< 0.05	0.28	0.05	0.20	4.25	31	70
202870	299 --	4.12	14.0	40	1050	0.34	4	2.5	0.28	0.02	68	0.22	0.05	1.90	0.01	5.60	5.10	151	106
202871	299 --	0.07	11.8	5	660	0.67	4	< 0.5	0.08	0.11	63	0.08	< 0.05	0.42	0.13	1.40	4.95	44	60
202872	299 --	0.02	0.6	3	600	0.40	3	< 0.5	0.28	0.05	176	0.70	< 0.05	0.18	0.03	0.30	4.55	20	58
202873	299 --	< 0.01	0.6	5	650	0.50	4	< 0.5	< 0.02	0.12	52	0.01	< 0.05	0.30	0.14	0.15	3.30	45	56
202874	299 --	< 0.01	0.6	1	640	0.26	3	< 0.5	0.34	0.02	323	0.45	< 0.05	0.08	< 0.01	0.35	4.05	7	54
202875	299 --	< 0.01	0.4	3	630	0.31	4	< 0.5	0.14	0.08	55	0.01	< 0.05	0.16	0.11	0.20	4.35	40	54
202876	299 --	< 0.01	0.2	3	620	0.40	4	< 0.5	0.14	0.06	143	0.43	< 0.05	0.20	0.05	0.15	3.85	26	72
202877	299 --	< 0.01	0.4	1	610	0.49	4	< 0.5	0.08	0.07	142	0.35	< 0.05	0.28	0.07	0.35	6.05	29	50
202878	299 --	0.01	0.2	< 1	610	0.48	3	< 0.5	0.06	0.06	141	0.36	< 0.05	0.26	0.07	0.25	3.00	30	112
202879	299 --	< 0.01	0.2	1	600	0.50	3	< 0.5	0.04	0.06	102	0.23	< 0.05	0.26	0.06	0.20	4.45	27	38
202880	299 --	< 0.01	0.4	5	640	0.55	4	< 0.5	0.12	0.08	125	0.40	< 0.05	0.30	0.06	0.35	5.45	29	48
202881	299 --	< 0.01	0.2	4	650	0.50	4	< 0.5	0.16	0.05	149	0.60	< 0.05	0.24	0.06	0.25	3.75	28	52
202882	299 --	0.01	0.2	4	670	0.70	4	< 0.5	0.02	0.11	71	0.07	< 0.05	0.34	0.12	0.15	4.70	42	52

CERTIFICATION: _____ *+

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2-A
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : I9931375
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931375

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202883	299	--	1.04	2.6	5680	240	0.35	0.27	< 10	0.40	2.16	36	6.0	7.2	2.8	< 0.1	2.59	10	12	0.72	910
202884	299	--	1.15	1.5	2610	310	0.10	0.03	< 10	0.56	1.64	25	7.0	7.2	3.4	< 0.1	2.66	10	10	0.75	725
202885	299	--	1.25	1.5	2630	280	0.30	0.07	< 10	0.16	1.42	33	6.0	7.8	3.8	< 0.1	2.58	10	8	0.72	725
202886	299	--	0.95	0.6	189.5	280	0.25	0.05	< 10	0.16	2.42	31	6.0	9.0	2.6	< 0.1	2.51	20	6	0.76	875
202887	299	--	1.44	0.5	18.4	110	0.30	0.01	< 10	0.04	1.92	29	7.0	3.8	4.1	< 0.1	2.56	30	8	0.74	595
202888	299	--	1.41	0.4	8.4	100	0.65	0.01	< 10	0.06	3.70	23	6.6	2.8	4.1	< 0.1	2.41	30	2	0.77	1075
202889	299	--	1.64	0.4	8.6	140	0.55	0.01	< 10	0.04	1.40	29	7.2	3.6	4.9	< 0.1	2.80	30	< 2	0.83	510
202890	299	--	0.38	272	366	1300	0.35	0.46	< 10	1.76	0.32	42	5.6	96.3	3.1	< 0.1	1.49	10	194	0.03	20
202891	299	--	1.55	0.9	6.6	180	0.35	0.02	< 10	0.06	2.90	24	7.0	3.4	4.5	< 0.1	2.59	30	12	0.82	840
202892	299	--	0.68	46.0	>10000	100	< 0.50	38.0	< 10	2.00	1.89	30	8.0	5.0	< 10.0	Minrlzd	6.44	< 10	6110	0.62	1050
202893	299	--	1.15	1.8	3020	280	0.20	0.36	< 10	0.34	2.67	34	6.4	7.4	3.3	< 0.1	2.74	20	26	0.85	1150
202894	299	--	1.06	3.1	7840	240	0.20	0.06	< 10	0.92	1.96	30	7.2	7.2	3.1	< 0.1	2.76	10	24	0.73	890

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2-B
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : 19931375
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931375

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202883	299	--	< 0.01	0.6	2	560	0.38	3	< 0.5	0.22	0.06	160	0.41	< 0.05	0.14	0.02	0.30	2.75	21	46
202884	299	--	< 0.01	0.2	1	630	0.51	4	< 0.5	0.12	0.07	108	0.37	< 0.05	0.24	0.08	0.15	3.50	32	62
202885	299	--	< 0.01	0.4	1	580	0.50	4	< 0.5	0.16	0.08	97	0.21	< 0.05	0.24	0.07	0.15	3.20	32	48
202886	299	--	< 0.01	0.6	4	660	0.40	4	< 0.5	0.26	0.06	143	0.19	< 0.05	0.16	0.03	0.20	3.05	21	40
202887	299	--	< 0.01	0.2	3	680	0.29	3	< 0.5	0.02	0.04	178	< 0.01	< 0.05	0.14	< 0.01	0.10	2.50	25	58
202888	299	--	< 0.01	0.4	1	630	0.26	3	< 0.5	0.02	0.03	287	< 0.01	< 0.05	0.12	< 0.01	0.10	6.25	22	54
202889	299	--	0.01	0.6	1	690	0.32	3	< 0.5	0.06	0.05	121	< 0.01	< 0.05	0.16	0.01	0.10	3.85	30	60
202890	299	--	0.32	118.5	46	1750	0.08	8	3.5	0.18	0.01	146	0.07	0.10	1.46	< 0.01	16.70	36.8	231	50
202891	299	--	0.01	1.6	1	640	0.31	4	< 0.5	0.02	0.04	178	< 0.01	< 0.05	0.16	0.01	0.25	2.10	26	56
202892	299	--	3.00	< 1.0	5	380	0.31	2	Minrlzd	50.0	0.03	116	2.99	Minrlzd	< 10.00	0.02	< 10.00	< 10.00	16	52
202893	299	--	< 0.01	0.8	5	650	0.47	4	< 0.5	1.54	0.07	167	0.29	< 0.05	0.18	0.04	0.30	4.20	26	56
202894	299	--	0.02	0.4	1	650	0.45	3	< 0.5	0.18	0.05	137	0.50	< 0.05	0.18	0.05	0.20	3.65	28	64

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-11 (ICP)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-A
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : 19931381
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931381

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202895	299	--	3.45	1.1	155.0	260	0.80	0.05	< 10	0.26	1.64	97	27.2	38.2	8.3	0.1	5.96	20	10	2.54	605
202896	299	--	1.03	1.4	3340	380	0.25	0.79	< 10	1.24	0.36	51	4.4	6.8	2.5	< 0.1	1.94	30	114	0.36	755
202897	299	--	1.49	0.5	369	450	0.15	0.09	< 10	0.20	0.41	39	6.2	8.4	4.6	< 0.1	2.65	30	10	0.69	540
202898	299	--	1.45	0.5	299	310	0.40	0.04	< 10	0.10	0.40	22	6.4	5.0	5.2	< 0.1	2.87	30	16	0.64	570
202899	299	--	1.07	1.1	1405	320	0.15	0.10	< 10	0.32	0.66	38	5.4	7.0	3.1	< 0.1	2.30	20	20	0.44	575
202900	299	--	1.20	0.6	348	310	0.15	0.03	< 10	0.20	0.88	40	5.8	11.8	3.8	< 0.1	2.25	20	8	0.52	620
202901	299	--	0.95	2.0	3260	280	0.35	0.05	< 10	0.40	1.42	30	6.2	8.4	3.0	< 0.1	2.39	20	12	0.52	810
202902	299	--	0.97	2.6	5220	280	0.25	0.04	< 10	0.40	1.47	33	5.6	7.2	2.8	< 0.1	2.40	20	16	0.48	740
202903	299	--	1.18	2.0	4400	270	0.20	0.09	< 10	0.52	1.59	39	6.2	6.6	3.6	< 0.1	2.27	30	12	0.52	615
202904	299	--	1.08	1.5	2220	300	0.35	0.07	< 10	0.32	2.14	40	7.2	6.2	3.1	< 0.1	2.30	20	14	0.42	790
202905	299	--	0.81	3.7	8860	220	0.20	0.08	< 10	0.76	2.40	42	6.0	6.2	2.2	< 0.1	2.13	10	20	0.28	770
202906	299	--	1.23	1.5	2900	280	0.25	0.05	< 10	0.44	1.77	28	6.0	8.4	3.8	< 0.1	2.58	30	14	0.62	710
202907	299	--	1.55	0.6	648	220	0.40	0.03	< 10	0.14	2.32	40	7.2	4.6	4.6	< 0.1	2.63	30	14	0.68	790
202908	299	--	0.69	10.0	>10000	190	< 0.50	< 2.00	< 10	2.00	2.63	38	6.0	4.0	< 10.0	Minrlzd	1.99	10	30	0.23	835
202909	299	--	1.31	0.8	1340	130	0.40	0.05	< 10	0.22	3.80	30	6.8	25.4	4.1	< 0.1	2.42	30	8	0.60	1045
202910	299	--	0.33	12.8	361	50	0.25	0.05	< 10	1.08	0.22	8	4.0	104.5	0.9	< 0.1	3.60	< 10	750	0.04	115
202911	299	--	1.44	0.5	117.0	120	0.45	0.06	< 10	0.10	2.58	31	6.8	8.8	4.7	< 0.1	2.41	30	10	0.67	670
202912	299	--	1.44	0.6	50.2	140	0.45	0.06	< 10	0.06	2.30	33	6.6	7.4	5.3	< 0.1	2.55	30	2	0.80	710
202913	299	--	0.91	1.3	1650	200	0.35	0.06	< 10	0.26	3.96	32	5.6	10.0	2.5	< 0.1	2.02	10	12	0.42	960
202914	299	--	1.12	< 2.0	>10000	210	< 0.50	< 2.00	< 10	1.00	2.34	37	8.0	8.0	< 10.0	Minrlzd	2.99	10	18	0.58	785
202915	299	--	1.49	0.5	22.4	170	0.55	0.05	< 10	0.06	1.35	25	7.4	5.8	5.8	< 0.1	2.76	30	12	0.88	610
202916	299	--	1.53	0.3	44.0	320	0.30	0.03	< 10	0.12	1.16	29	6.8	4.4	4.8	< 0.1	2.58	20	12	0.83	670
202917	299	--	0.83	2.4	5250	160	0.15	0.12	< 10	0.52	2.68	36	4.0	3.6	1.6	< 0.1	1.78	10	28	0.45	1015
202918	299	--	1.47	0.3	26.4	260	0.40	0.04	< 10	0.10	1.49	23	6.8	4.0	5.0	< 0.1	2.63	20	4	0.91	600
202919	299	--	1.56	0.1	11.0	400	0.25	0.01	< 10	0.04	0.86	32	7.4	4.8	5.4	< 0.1	2.76	30	10	0.86	630
202920	299	--	0.81	3.0	6910	240	0.20	0.07	< 10	0.40	2.47	27	6.2	6.0	2.2	< 0.1	2.23	10	20	0.61	935
202921	299	--	1.64	0.1	15.0	520	0.20	0.01	< 10	0.02	0.71	32	7.6	4.8	5.6	< 0.1	2.95	30	< 2	0.90	620
202922	299	--	1.47	0.4	384	370	0.20	0.06	< 10	0.12	1.31	32	7.2	14.4	5.0	< 0.1	2.77	20	< 2	0.83	695
202923	299	--	1.49	0.5	19.8	220	0.40	0.04	< 10	0.02	1.29	24	7.6	4.8	5.9	< 0.1	2.90	30	< 2	0.91	645
202924	299	--	1.51	1.0	1350	360	0.25	0.05	< 10	0.26	1.78	29	8.0	12.0	4.5	< 0.1	2.88	30	4	0.89	850
202925	299	--	1.39	0.9	163.0	230	0.05	0.06	< 10	2.54	2.84	30	8.8	5.6	3.2	< 0.1	2.66	20	34	0.80	905
202926	299	--	1.63	0.3	11.2	110	0.45	0.02	< 10	0.04	4.40	26	7.6	5.4	5.5	< 0.1	2.77	30	< 2	1.01	1075
202927	299	--	1.34	0.5	75.4	420	0.20	0.28	< 10	0.08	1.51	33	6.6	9.0	4.0	< 0.1	2.66	20	< 2	0.76	920
202928	299	--	1.19	0.9	760	400	0.05	0.11	< 10	0.18	1.75	24	6.6	9.8	3.6	< 0.1	2.66	30	< 2	0.81	945
202929	299	--	1.62	0.1	8.8	360	0.20	0.01	< 10	0.04	2.00	35	7.4	5.2	4.9	< 0.1	2.96	30	< 2	0.84	830
202930	299	--	0.36	13.3	415	50	0.25	0.05	< 10	1.12	0.24	9	4.2	108.5	1.1	< 0.1	3.99	< 10	866	0.05	120
202931	299	--	1.41	0.6	126.0	370	0.15	0.10	< 10	0.06	1.28	28	7.0	8.6	4.3	< 0.1	2.79	10	< 2	0.83	790
202932	299	--	3.52	0.7	9.0	100	0.95	0.03	< 10	0.10	1.98	80	22.8	20.6	11.3	< 0.1	5.55	30	< 2	3.17	630
202933	299	--	1.56	0.1	6.0	350	0.25	0.02	< 10	0.02	1.02	28	7.4	4.6	5.2	< 0.1	2.95	30	< 2	0.93	610
202934	299	--	0.57	3.1	6590	180	0.30	0.10	< 10	3.18	4.01	24	7.8	5.4	1.1	< 0.1	2.80	10	28	0.88	1440

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-B
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : I9931381
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931381

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202895	299 --	0.01	0.8	89	2220	0.18	9	< 0.5	0.10	0.25	138	< 0.01	< 0.05	0.22	0.12	0.10	1.95	82	102
202896	299 --	0.03	0.4	2	610	0.40	3	< 0.5	0.70	0.05	40	< 0.01	< 0.05	0.12	0.01	0.35	5.55	24	74
202897	299 --	0.01	0.6	3	610	0.67	5	< 0.5	0.48	0.09	36	< 0.01	< 0.05	0.36	0.14	0.30	2.20	46	62
202898	299 --	< 0.01	0.2	2	640	0.44	6	< 0.5	0.08	0.07	28	< 0.01	< 0.05	0.22	0.11	0.20	1.45	46	60
202899	299 --	0.01	0.6	1	630	0.52	3	< 0.5	0.28	0.07	37	0.03	< 0.05	0.24	0.08	0.25	3.75	31	48
202900	299 --	< 0.01	0.6	< 1	630	0.54	3	< 0.5	0.14	0.08	46	< 0.01	< 0.05	0.26	0.09	0.45	3.05	35	44
202901	299 --	< 0.01	0.4	< 1	670	0.43	4	< 0.5	0.22	0.05	67	0.36	< 0.05	0.18	0.06	0.25	3.40	29	46
202902	299 --	0.01	0.6	6	640	0.49	2	< 0.5	0.20	0.05	81	0.35	< 0.05	0.22	0.06	0.55	5.80	24	44
202903	299 --	0.01	0.2	1	600	0.46	3	< 0.5	0.10	0.06	83	0.37	< 0.05	0.18	0.04	0.15	3.05	29	50
202904	299 --	< 0.01	0.4	2	640	0.44	3	< 0.5	0.10	0.06	81	0.40	< 0.05	0.16	0.05	0.15	7.50	26	56
202905	299 --	< 0.01	0.8	2	550	0.34	2	< 0.5	0.16	0.04	113	0.75	< 0.05	0.10	0.01	0.40	3.80	17	46
202906	299 --	0.01	0.8	4	640	0.42	4	< 0.5	0.12	0.05	107	0.27	< 0.05	0.18	0.07	0.20	4.80	32	62
202907	299 --	< 0.01	0.6	3	650	0.43	4	< 0.5	0.06	0.08	140	0.07	< 0.05	0.20	0.04	0.20	4.25	31	58
202908	299 --	< 1.00	< 1.0	1	570	0.29	1	Minrlzd	0.20	0.02	131	0.68	Minrlzd	< 10.00	< 0.01	< 10.00	< 10.00	8	46
202909	299 --	< 0.01	1.0	< 1	550	0.29	4	< 0.5	0.10	0.05	210	0.15	< 0.05	0.12	0.01	0.15	4.15	22	46
202910	299 --	1.24	0.2	10	630	0.05	< 1	3.0	20.1	0.20	11	3.68	0.90	0.36	< 0.01	1.40	0.35	3	576
202911	299 --	0.01	0.8	< 1	620	0.29	4	< 0.5	0.10	0.05	110	0.02	< 0.05	0.12	0.05	0.20	3.40	28	52
202912	299 --	< 0.01	0.8	3	610	0.24	4	< 0.5	0.04	0.06	105	0.04	< 0.05	0.08	0.08	0.20	3.70	37	48
202913	299 --	0.02	0.6	< 1	590	0.28	3	< 0.5	0.18	0.04	164	0.56	< 0.05	0.08	0.02	0.35	5.60	18	38
202914	299 --	3.00	1.0	4	590	0.31	4	Minrlzd	< 0.20	0.04	140	0.84	Minrlzd	< 10.00	0.01	< 10.00	< 10.00	23	56
202915	299 --	0.01	1.0	< 1	680	0.29	5	< 0.5	0.04	0.06	65	0.01	< 0.05	0.16	0.07	0.05	4.15	42	64
202916	299 --	0.01	0.2	< 1	650	0.56	4	< 0.5	0.02	0.12	65	0.01	< 0.05	0.30	0.12	0.15	4.20	44	54
202917	299 --	0.01	0.4	< 1	480	0.28	2	< 0.5	0.30	0.02	186	0.46	< 0.05	0.08	< 0.01	0.30	3.00	9	44
202918	299 --	< 0.01	0.2	1	600	0.43	4	< 0.5	< 0.02	0.10	59	0.03	< 0.05	0.20	0.07	0.05	3.15	40	50
202919	299 --	< 0.01	0.4	3	740	0.71	5	< 0.5	0.02	0.12	44	< 0.01	< 0.05	0.38	0.18	0.10	4.00	54	58
202920	299 --	< 0.01	0.2	4	560	0.39	3	< 0.5	0.16	0.05	185	0.49	< 0.05	0.14	0.03	0.25	8.15	17	40
202921	299 --	< 0.01	0.2	1	730	0.81	5	< 0.5	0.02	0.12	40	< 0.01	< 0.05	0.44	0.19	0.10	2.65	54	58
202922	299 --	< 0.01	0.4	1	700	0.69	4	< 0.5	0.06	0.09	59	0.13	< 0.05	0.36	0.13	0.10	4.30	43	56
202923	299 --	0.01	0.6	1	700	0.33	6	< 0.5	0.02	0.08	47	0.03	< 0.05	0.16	0.12	0.15	3.90	46	58
202924	299 --	0.01	0.4	1	740	0.60	4	< 0.5	0.24	0.07	94	0.22	< 0.05	0.28	0.11	0.10	1.95	39	56
202925	299 --	< 0.01	0.4	1	670	0.38	4	< 0.5	0.34	0.03	149	0.24	< 0.05	0.18	0.03	0.20	3.60	23	220
202926	299 --	< 0.01	0.2	< 1	640	0.23	5	< 0.5	0.02	0.05	194	0.01	< 0.05	0.12	0.05	0.20	1.80	35	60
202927	299 --	< 0.01	0.2	1	660	0.63	3	< 0.5	0.06	0.08	74	0.19	< 0.05	0.26	0.10	0.05	4.80	36	44
202928	299 --	0.01	0.2	1	700	0.62	4	< 0.5	0.10	0.07	91	0.27	< 0.05	0.26	0.10	0.10	7.00	35	50
202929	299 --	< 0.01	0.6	1	690	0.55	6	< 0.5	0.02	0.12	113	0.01	< 0.05	0.26	0.08	0.15	3.85	42	60
202930	299 --	1.36	0.2	10	660	0.05	< 1	4.0	21.3	0.21	13	3.67	0.90	0.38	< 0.01	1.40	0.40	3	628
202931	299 --	0.03	0.4	< 1	680	0.65	5	< 0.5	0.08	0.10	76	0.14	< 0.05	0.32	0.10	0.15	2.85	39	50
202932	299 --	0.01	0.6	44	1380	0.19	9	< 0.5	0.04	0.05	152	0.03	< 0.05	0.12	0.03	0.15	7.90	82	86
202933	299 --	< 0.01	0.4	1	750	0.52	5	< 0.5	0.02	0.10	45	< 0.01	< 0.05	0.26	0.16	0.05	2.40	49	60
202934	299 --	0.05	0.8	1	780	0.33	4	< 0.5	0.62	0.01	296	0.58	< 0.05	0.12	< 0.01	0.35	6.45	7	230

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2-A
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : I9931381
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931381

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
202935	299	--	1.49	0.3	10.4	240	0.20	0.01	< 10	0.04	1.70	23	8.0	4.0	5.0	< 0.1	3.00	30	4	0.92	695
202936	299	--	0.64	6.0	>10000	220	< 0.50	< 2.00	< 10	< 0.50	2.47	19	16.0	12.0	< 10.0	Minrlzd	3.10	10	48	0.68	1020
202937	299	--	1.03	0.9	38.4	220	0.35	0.07	< 10	0.12	2.56	28	8.0	4.2	3.0	< 0.1	3.05	40	< 2	0.94	935
202938	299	--	1.54	0.4	17.4	270	0.35	0.04	< 10	0.10	1.70	30	7.8	3.2	4.8	< 0.1	2.82	30	2	0.87	725
202939	299	--	1.42	0.3	34.8	270	0.35	0.09	< 10	0.04	1.55	25	7.8	5.0	4.5	< 0.1	2.82	20	< 2	0.87	685
202940	299	--	1.42	0.4	252	340	0.30	0.21	< 10	0.12	1.92	24	7.6	7.8	4.4	< 0.1	3.13	30	< 2	0.97	835
202941	299	--	1.57	0.3	9.8	460	0.25	0.05	< 10	0.06	2.05	29	7.6	3.6	5.2	< 0.1	3.16	30	2	1.21	735
202942	299	--	1.49	0.2	7.2	120	0.80	0.01	< 10	0.04	2.45	17	7.2	2.2	4.7	< 0.1	2.75	30	6	0.92	725
202943	299	--	1.00	1.2	580	270	0.30	0.26	< 10	0.62	2.50	31	7.4	4.0	2.9	< 0.1	3.05	30	92	0.98	1295
202944	299	--	0.54	2.4	2630	150	0.50	0.61	< 10	1.52	3.51	29	8.0	3.2	1.1	< 0.1	2.91	30	288	0.92	1640
202945	299	--	0.60	0.8	81.0	150	0.60	0.07	< 10	0.40	3.50	35	6.4	2.6	1.1	< 0.1	2.71	30	2	0.92	1185
202946	299	--	1.39	0.3	9.4	220	0.50	0.02	< 10	0.06	1.56	22	7.2	3.4	4.2	< 0.1	2.74	30	< 2	0.86	610
202947	299	--	1.81	0.4	9.0	370	0.55	0.03	< 10	0.02	1.72	31	7.2	4.2	5.3	< 0.1	2.90	40	< 2	0.95	680
202948	299	--	1.53	0.4	5.4	990	0.80	0.02	< 10	0.06	2.24	29	7.8	3.8	4.1	< 0.1	2.94	40	6	0.86	700
202949	299	--	1.52	0.5	11.6	370	0.50	0.01	< 10	0.12	1.88	22	7.4	16.4	4.5	< 0.1	2.89	30	< 2	0.91	705
202950	299	--	1.74	37.9	748	1260	0.55	0.57	< 10	1.26	1.12	69	7.6	95.0	4.3	< 0.1	3.63	10	12	0.35	245

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2-B
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : I9931381
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931381

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
202935	299	--	< 0.01	0.2	2	740	0.36	6	< 0.5	0.04	0.08	93	< 0.01	< 0.05	0.16	0.06	0.05	3.15	39	60
202936	299	--	< 1.00	1.0	1	710	0.31	3	Minrlzd	1.60	0.03	142	0.93	Minrlzd	< 10.00	< 0.01	< 10.00	< 10.00	11	44
202937	299	--	0.01	0.4	1	750	0.37	6	< 0.5	0.14	0.04	200	0.07	< 0.05	0.18	0.03	0.20	11.25	25	44
202938	299	--	< 0.01	0.2	1	720	0.38	5	< 0.5	0.10	0.07	140	0.04	< 0.05	0.18	0.03	0.25	3.00	36	52
202939	299	--	< 0.01	0.2	1	730	0.36	5	< 0.5	0.08	0.06	103	0.14	< 0.05	0.16	0.05	0.20	3.40	43	50
202940	299	--	< 0.01	0.6	1	770	0.43	5	< 0.5	0.06	0.08	127	0.17	< 0.05	0.18	0.07	0.10	3.85	41	54
202941	299	--	< 0.01	0.2	1	730	0.32	7	< 0.5	< 0.02	0.07	162	0.05	< 0.05	0.14	0.03	0.05	4.05	42	58
202942	299	--	< 0.01	0.2	< 1	680	0.24	5	< 0.5	0.02	0.03	191	0.01	< 0.05	0.10	< 0.01	0.05	2.15	26	54
202943	299	--	< 0.01	0.4	1	730	0.44	5	< 0.5	0.52	0.04	161	0.16	< 0.05	0.20	0.06	0.20	4.95	29	80
202944	299	--	< 0.01	0.2	1	670	0.30	4	< 0.5	1.26	0.01	237	0.31	< 0.05	0.10	< 0.01	0.25	4.75	9	122
202945	299	--	0.01	0.2	< 1	710	0.33	5	< 0.5	0.30	0.01	252	0.17	< 0.05	0.12	< 0.01	0.20	6.35	8	46
202946	299	--	< 0.01	0.2	1	660	0.26	5	< 0.5	0.02	0.07	118	0.01	< 0.05	0.10	0.01	0.05	3.00	29	56
202947	299	--	< 0.01	0.2	1	690	0.53	6	< 0.5	0.02	0.10	139	0.01	< 0.05	0.28	0.05	0.10	3.40	38	58
202948	299	--	< 0.01	0.2	< 1	760	0.32	7	< 0.5	0.02	0.04	176	0.03	< 0.05	0.12	< 0.01	0.05	7.35	26	56
202949	299	--	< 0.01	0.2	1	730	0.45	6	< 0.5	0.10	0.08	108	0.11	< 0.05	0.22	0.05	0.05	2.55	37	60
202950	299	--	3.91	13.8	39	1110	0.35	5	2.5	0.28	0.01	68	0.22	0.05	1.74	0.01	5.70	4.60	155	104

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

1 L99-4(JCP)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-A
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : I9931383
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931383

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
204001-204003	283	--	1.73	0.6	7.2	520	0.25	0.09	< 10	0.02	1.00	27	7.0	15.0	5.7	< 0.1	3.00	30	< 2	0.85	585
204004	299	--	2.56	3.4	99.4	320	0.80	0.05	< 10	0.16	3.04	58	24.0	35.2	6.0	0.1	4.79	30	< 2	1.99	525
204005-204007	283	--	1.65	0.5	20.2	460	0.30	0.06	< 10	0.02	1.06	22	7.4	8.6	5.4	< 0.1	3.01	30	2	0.82	585
204008-204010	283	--	1.57	0.7	44.4	290	0.40	0.06	< 10	0.04	1.19	18	7.0	7.6	5.1	< 0.1	2.79	30	< 2	0.83	545
204011	299	--	2.97	1.6	65.0	160	0.70	0.05	< 10	0.18	3.85	90	25.6	32.6	6.9	< 0.1	4.83	30	< 2	2.24	790
204012	299	--	1.95	0.7	52.4	310	0.45	0.09	< 10	0.10	1.53	14	7.2	10.4	6.2	< 0.1	3.20	30	< 2	1.06	610
204013-204014	283	--	3.51	1.4	31.0	180	0.95	0.05	< 10	0.18	4.86	141	27.6	29.8	8.0	0.1	5.58	20	< 2	2.68	970
204015	299	--	4.05	1.1	49.8	160	0.90	0.05	< 10	0.06	1.80	122	23.8	28.6	11.6	0.1	5.79	30	< 2	3.42	465
204016	299	--	4.34	2.3	74.8	120	1.00	0.05	< 10	0.10	2.89	141	29.4	30.2	13.1	0.1	6.48	20	< 2	3.59	715
204017-204018	283	--	1.90	0.7	19.4	300	0.35	0.12	< 10	0.02	1.34	38	7.2	7.2	5.6	< 0.1	3.13	30	< 2	1.02	570
204019	299	--	2.94	2.1	51.4	260	0.75	0.05	< 10	0.16	3.56	62	23.8	31.0	5.8	< 0.1	4.60	20	< 2	1.89	745
204020-204021	283	--	2.05	0.7	21.0	400	0.25	0.04	< 10	0.02	1.48	35	7.4	14.0	5.3	< 0.1	3.18	30	< 2	0.90	645
204022	299	--	1.91	0.5	4.8	480	0.20	0.05	< 10	0.02	1.01	24	7.4	16.6	5.6	< 0.1	3.09	30	< 2	0.96	655
204023-204024	283	--	1.92	0.4	3.4	490	0.25	0.04	< 10	0.06	1.10	30	6.6	9.6	5.4	< 0.1	2.92	30	< 2	0.87	665
204026	299	--	1.74	0.5	3.8	380	0.25	0.05	< 10	0.04	1.46	24	7.4	6.0	5.8	< 0.1	3.10	30	2	0.92	695
204027	299	--	1.72	0.4	2.0	480	0.25	0.04	< 10	< 0.02	1.07	29	7.0	6.8	5.5	< 0.1	2.85	30	< 2	0.87	630
204028	299	--	1.71	0.5	3.6	460	0.25	0.03	< 10	0.04	1.14	25	6.6	7.2	5.1	< 0.1	2.90	30	< 2	0.89	600
204029	299	--	1.50	0.5	3.2	430	0.30	0.10	< 10	0.02	1.27	28	7.0	7.0	4.7	< 0.1	2.70	10	< 2	0.83	595
204031	299	--	1.62	0.4	3.6	460	0.20	0.04	< 10	0.02	0.90	25	6.2	6.8	4.8	< 0.1	2.73	20	< 2	0.81	550
204032	299	--	1.66	0.6	9.0	140	0.50	0.04	< 10	0.02	2.10	16	7.2	5.0	5.5	< 0.1	2.85	30	2	0.85	490
204033	299	--	1.86	0.4	3.0	470	0.30	0.04	< 10	< 0.02	0.96	32	7.2	11.0	5.5	< 0.1	3.02	30	< 2	0.92	635
204034	299	--	1.87	0.5	2.6	510	0.20	0.03	< 10	< 0.02	0.84	36	7.4	5.8	5.9	< 0.1	3.03	30	< 2	0.91	625
204035	299	--	1.97	0.4	2.0	580	0.25	0.03	< 10	< 0.02	0.80	36	6.4	5.4	5.8	< 0.1	2.94	20	< 2	0.88	580
204036-204038	283	--	1.56	0.6	17.4	390	0.25	0.48	< 10	0.10	1.68	23	6.8	6.8	4.5	< 0.1	2.81	30	< 2	0.80	625
204039	299	--	1.90	0.5	2.8	520	0.20	0.04	< 10	0.02	0.94	34	6.6	6.6	5.8	< 0.1	3.03	30	< 2	0.93	620
204040-204041	283	--	1.67	1.4	165.5	390	0.25	0.12	< 10	0.26	1.38	26	6.6	15.2	4.7	< 0.1	2.96	30	12	0.77	565
204042	299	--	1.24	3.9	576	430	0.35	0.09	< 10	1.98	1.72	28	6.2	7.4	3.1	< 0.1	2.84	30	32	0.49	880
204043	299	--	1.43	0.8	774	420	0.30	0.16	< 10	0.26	1.53	23	6.0	5.6	4.0	< 0.1	2.56	20	6	0.72	615
204044	299	--	1.97	0.4	17.6	550	0.30	0.04	< 10	< 0.02	1.02	37	7.2	5.0	5.7	< 0.1	3.06	30	< 2	0.92	645
204046	299	--	1.58	1.1	298	320	0.25	0.09	< 10	0.16	2.21	29	6.4	7.2	4.6	< 0.1	2.97	30	< 2	0.81	710
204047+204049	283	--	1.84	0.5	14.4	410	0.20	0.08	< 10	0.06	1.26	29	7.0	4.8	5.5	< 0.1	3.02	30	< 2	0.97	655
204048	299	--	1.68	0.5	16.2	320	0.15	0.15	< 10	0.02	1.48	21	7.0	3.6	5.2	< 0.1	2.90	30	2	0.93	600
204050	299	--	1.72	0.8	11.6	390	0.70	0.16	< 10	0.14	1.19	26	6.2	4.8	5.3	< 0.1	2.80	30	< 2	0.93	510
204051+204053	283	--	1.87	0.5	2.6	550	0.15	0.04	< 10	0.02	0.95	34	6.8	5.2	5.5	< 0.1	3.04	30	< 2	0.96	655
204052	299	--	1.92	0.7	8.0	480	0.35	0.22	< 10	0.02	1.27	40	6.4	5.0	6.0	< 0.1	2.90	30	< 2	1.04	630
204054	299	--	1.89	1.6	30.6	500	0.55	0.11	< 10	0.04	1.47	21	7.0	9.8	5.0	< 0.1	2.97	30	14	0.95	575
204055	299	--	1.85	1.4	7.4	400	0.25	0.04	< 10	0.04	1.52	25	8.0	8.0	6.0	< 0.1	3.26	30	< 2	1.09	770
204056	299	--	1.89	0.6	2.4	620	0.20	0.03	< 10	0.02	0.78	33	6.8	5.0	5.6	< 0.1	2.88	20	< 2	0.91	620
204057-204059	283	--	1.35	29.8	1810	330	0.30	0.24	< 10	6.68	1.07	29	7.6	5.6	4.3	0.1	3.06	20	370	0.71	660
204061	299	--	1.89	5.0	82.2	440	0.40	0.08	< 10	1.56	1.52	46	7.4	10.4	5.5	< 0.1	3.00	30	18	0.85	665

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Page Number : 1-B
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : 19931383
P.O. Number :
Account : RKP

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

CERTIFICATE OF ANALYSIS A9931383

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
204001-204003	283	--	0.01	1.2	1	720	0.65	6	< 0.5	0.06	0.13	44	0.01	< 0.05	0.46	0.16	0.25	1.75	55	54
204004	299	--	0.01	1.2	76	1940	0.20	7	< 0.5	0.26	0.25	173	0.05	< 0.05	0.22	0.15	0.20	1.00	50	90
204005-204007	283	--	< 0.01	0.2	1	760	0.58	5	< 0.5	0.04	0.11	41	< 0.01	< 0.05	0.40	0.16	0.15	1.20	52	56
204008-204010	283	--	< 0.01	0.4	3	670	0.37	6	< 0.5	0.06	0.08	70	< 0.01	< 0.05	0.30	0.08	0.20	1.35	45	52
204011	299	--	< 0.01	1.4	70	1900	0.24	9	< 0.5	0.06	0.27	251	0.03	< 0.05	0.18	0.14	0.15	1.10	73	90
204012	299	--	0.01	0.4	1	740	0.46	6	< 0.5	0.02	0.10	62	< 0.01	< 0.05	0.28	0.07	0.25	2.35	51	60
204013-204014	283	--	0.02	1.4	78	1880	0.17	14	< 0.5	0.06	0.22	304	0.05	< 0.05	0.12	0.11	0.10	1.00	105	94
204015	299	--	0.01	0.8	66	1710	0.14	9	< 0.5	0.06	0.06	103	< 0.01	< 0.05	0.12	0.03	0.10	2.15	98	90
204016	299	--	0.01	0.8	86	1870	0.10	9	< 0.5	0.02	0.03	119	< 0.01	< 0.05	0.06	0.01	0.10	3.10	100	102
204017-204018	283	--	< 0.01	1.2	3	700	0.41	6	< 0.5	0.02	0.11	66	< 0.01	< 0.05	0.26	0.07	0.15	2.55	49	60
204019	299	--	0.01	1.4	69	1840	0.27	7	< 0.5	0.06	0.36	244	0.06	< 0.05	0.18	0.16	0.10	1.70	53	86
204020-204021	283	--	< 0.01	0.6	2	750	0.56	7	< 0.5	< 0.02	0.15	73	0.02	< 0.05	0.30	0.10	0.15	2.85	50	62
204022	299	--	< 0.01	0.4	4	780	0.74	6	< 0.5	0.04	0.18	55	0.04	< 0.05	0.44	0.18	0.15	4.55	55	62
204023-204024	283	--	< 0.01	24.0	< 1	700	0.72	5	< 0.5	0.02	0.20	69	0.02	< 0.05	0.42	0.16	0.15	3.95	53	56
204026	299	--	< 0.01	1.0	1	720	0.49	6	< 0.5	0.02	0.13	59	< 0.01	< 0.05	0.30	0.11	0.20	4.40	55	58
204027	299	--	< 0.01	0.6	< 1	710	0.66	5	< 0.5	0.02	0.17	51	0.01	< 0.05	0.40	0.16	0.10	6.00	53	56
204028	299	--	0.02	1.0	< 1	740	0.59	5	< 0.5	0.04	0.15	48	0.01	< 0.05	0.34	0.17	0.05	3.85	51	58
204029	299	--	0.01	0.6	< 1	710	0.63	4	< 0.5	0.02	0.13	81	0.02	< 0.05	0.40	0.16	0.20	6.60	45	54
204031	299	--	0.02	0.4	< 1	710	0.64	4	< 0.5	0.02	0.15	45	< 0.01	< 0.05	0.32	0.17	0.15	3.55	48	54
204032	299	--	0.01	1.8	1	710	0.29	5	< 0.5	< 0.02	0.05	259	< 0.01	< 0.05	0.16	0.01	0.20	2.80	34	58
204033	299	--	0.01	0.4	< 1	750	0.68	5	< 0.5	0.02	0.20	50	0.03	< 0.05	0.36	0.20	0.20	4.30	54	58
204034	299	--	0.02	0.4	< 1	750	0.75	5	< 0.5	0.06	0.20	50	0.01	< 0.05	0.44	0.20	0.20	5.45	57	58
204035	299	--	0.01	0.2	< 1	740	0.85	4	< 0.5	0.04	0.26	54	0.01	< 0.05	0.46	0.22	0.15	4.90	55	56
204036-204038	283	--	0.01	0.6	< 1	720	0.59	5	< 0.5	0.04	0.11	60	0.08	0.15	0.34	0.11	0.30	7.10	43	56
204039	299	--	0.02	0.4	< 1	740	0.79	6	< 0.5	0.02	0.18	55	0.01	< 0.05	0.42	0.18	0.20	4.25	55	58
204040-204041	283	--	0.01	0.8	1	730	0.60	5	< 0.5	0.10	0.09	46	0.01	< 0.05	0.34	0.10	0.65	6.65	40	62
204042	299	--	< 0.01	2.0	< 1	750	0.44	4	< 0.5	0.18	0.06	37	< 0.01	< 0.05	0.22	0.05	1.15	3.80	30	98
204043	299	--	< 0.01	0.4	< 1	680	0.64	4	< 0.5	0.10	0.11	69	0.11	< 0.05	0.36	0.12	0.20	5.00	39	52
204044	299	--	< 0.01	0.2	< 1	760	0.90	5	< 0.5	0.02	0.22	59	0.01	< 0.05	0.48	0.20	0.20	4.90	55	58
204046	299	--	< 0.01	0.6	1	730	0.42	5	< 0.5	0.06	0.09	86	0.10	< 0.05	0.22	0.06	0.40	4.65	39	58
204047+204049	283	--	0.01	0.4	1	750	0.61	6	< 0.5	0.02	0.14	55	0.01	< 0.05	0.34	0.14	0.25	3.30	52	60
204048	299	--	0.01	0.4	1	740	0.49	5	< 0.5	0.04	0.08	50	0.01	< 0.05	0.28	0.08	0.15	1.90	45	58
204050	299	--	< 0.01	0.6	< 1	710	0.59	5	< 0.5	0.04	0.09	44	< 0.01	< 0.05	0.50	0.15	0.35	1.80	48	54
204051+204053	283	--	0.03	0.6	< 1	730	0.82	5	< 0.5	0.02	0.17	53	0.01	< 0.05	0.46	0.19	0.20	4.25	54	56
204052	299	--	0.01	0.8	1	690	0.66	5	< 0.5	0.06	0.09	73	< 0.01	< 0.05	0.46	0.13	0.30	6.65	47	56
204054	299	--	< 0.01	1.0	1	680	0.56	6	< 0.5	0.10	0.07	59	< 0.01	< 0.05	0.36	0.08	0.50	2.30	39	54
204055	299	--	0.01	0.4	1	750	0.55	8	< 0.5	0.02	0.11	70	0.01	< 0.05	0.34	0.13	0.30	4.30	52	64
204056	299	--	< 0.01	0.2	< 1	720	0.90	4	< 0.5	0.02	0.18	48	< 0.01	< 0.05	0.50	0.21	0.15	8.10	53	56
204057-204059	283	--	0.05	0.8	< 1	750	0.49	5	< 0.5	1.62	0.07	41	0.12	< 0.05	0.30	0.08	2.60	7.00	41	234
204061	299	--	0.02	0.6	< 1	710	0.67	6	< 0.5	0.28	0.15	72	0.05	< 0.05	0.38	0.11	0.55	6.25	45	104

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Certificate Date: 26-OCT-1999
Invoice No. : I9931383
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9931383

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
204062	299	--	1.86	4.7	61.2	460	0.30	0.10	< 10	0.06	1.18	26	7.2	7.6	5.2	< 0.1	3.01	30	2	0.86	625
204063	299	--	1.72	9.0	192.5	380	0.50	0.05	< 10	0.22	2.95	31	7.0	4.2	5.0	< 0.1	3.13	30	4	0.79	1280
204064	299	--	1.11	21.2	1450	270	0.30	0.19	< 10	1.36	0.83	35	5.6	9.6	3.2	< 0.1	3.21	40	66	0.42	475
204065	299	--	1.90	4.2	301	210	0.45	0.04	< 10	0.20	0.80	33	8.4	4.4	5.8	< 0.1	3.60	30	8	0.91	485
204066	299	--	1.76	1.0	85.0	480	0.30	0.06	< 10	0.06	1.92	33	7.4	4.2	5.2	< 0.1	2.99	30	2	0.88	785
204067-204068	283	--	1.81	1.8	88.6	310	0.40	0.06	< 10	0.06	1.50	25	7.8	5.0	5.7	< 0.1	3.11	30	2	0.92	630
204069	299	--	1.82	0.7	11.8	540	0.30	0.03	< 10	0.06	0.93	36	7.4	4.0	5.8	< 0.1	2.79	30	< 2	0.91	630
204071	299	--	2.21	5.8	48.2	270	1.30	0.14	< 10	0.06	0.95	61	21.4	27.8	6.1	< 0.1	3.58	10	12	0.20	1445
204072	299	--	1.68	0.9	39.0	300	0.45	0.03	< 10	0.04	1.69	21	7.6	3.6	5.5	< 0.1	2.83	30	< 2	0.94	715
204073-204075	283	--	1.19	1.7	930	240	0.35	0.12	< 10	0.24	2.60	29	6.0	8.4	3.5	< 0.1	2.15	20	2	0.58	825
204076-204077	283	--	1.67	0.6	45.6	400	0.20	0.04	< 10	0.06	1.31	22	6.8	3.6	5.2	0.1	2.78	30	< 2	0.86	655
204078	299	--	1.36	0.6	8.2	230	0.30	0.20	< 10	0.08	2.88	22	6.6	3.8	3.8	< 0.1	2.48	20	2	0.73	830
204079-204080	283	--	1.68	0.8	35.4	330	0.50	0.03	< 10	0.02	2.50	24	7.0	4.6	4.4	< 0.1	3.00	30	< 2	0.90	845
204081	299	--	1.23	2.6	2140	200	0.50	0.84	< 10	0.58	2.44	25	6.4	7.4	3.2	< 0.1	2.73	20	30	0.53	725
204082	299	--	1.68	0.8	56.8	300	0.45	0.06	< 10	0.08	2.09	26	7.0	5.6	5.0	< 0.1	2.90	30	2	0.92	700
204083	299	--	2.67	2.1	37.4	120	0.60	0.03	< 10	0.18	2.10	53	23.4	29.8	6.3	0.1	4.77	30	< 2	2.17	415
204084	299	--	1.40	1.1	47.6	200	0.40	0.16	< 10	0.08	2.81	16	7.2	7.6	3.8	< 0.1	2.65	30	6	0.71	715
204085	299	--	2.54	1.5	87.8	260	0.45	0.12	< 10	0.16	2.49	75	21.6	27.4	5.6	0.1	4.70	30	4	2.13	540
204086	299	--	2.68	2.0	38.4	350	0.55	0.04	< 10	0.16	2.78	57	24.0	29.2	6.1	0.1	3.94	30	< 2	1.86	485
204087-204088	283	--	1.74	1.4	86.2	450	0.40	0.05	< 10	0.14	1.77	18	9.0	16.8	5.8	< 0.1	3.25	20	2	1.05	540
204089+204091	283	--	2.79	1.6	73.6	290	0.65	0.07	< 10	0.16	2.16	70	23.6	31.6	6.7	0.1	4.71	30	< 2	2.36	440
204092	299	--	1.82	1.3	360	480	0.70	0.29	< 10	0.16	1.49	17	7.6	9.2	5.9	< 0.1	2.89	30	6	0.90	530
204093	299	--	2.36	0.8	46.8	60	0.65	0.18	< 10	0.12	1.77	21	21.2	26.0	7.6	0.1	5.09	30	< 2	2.00	455
204094	299	--	2.80	0.9	98.6	110	0.65	0.22	< 10	0.06	2.17	41	22.2	26.8	7.0	0.1	5.26	30	< 2	2.14	495
204095	299	--	3.03	0.9	18.8	100	0.65	0.05	< 10	0.10	1.96	24	23.6	27.4	6.8	< 0.1	4.89	30	< 2	2.22	390
204096	299	--	2.56	0.8	10.2	120	0.85	0.18	< 10	0.38	1.96	78	22.4	29.4	6.7	0.1	5.01	30	< 2	2.20	435
204097	299	--	1.73	0.8	13.0	290	0.60	0.10	< 10	< 0.02	1.63	14	8.0	9.8	5.8	0.1	3.07	30	< 2	0.99	635
204098	299	--	2.40	1.2	19.2	110	0.50	0.05	< 10	0.12	2.15	23	23.4	26.8	8.7	0.1	4.86	30	< 2	2.02	485
204099	299	--	1.41	0.7	8.4	230	0.85	0.04	< 10	0.08	1.53	11	8.2	9.4	7.8	< 0.1	3.82	30	6	0.95	750
204100	299	--	1.90	0.7	6.0	190	0.80	0.06	< 10	0.04	1.49	13	7.4	11.0	7.2	< 0.1	2.96	20	2	1.12	590
204101-204102	283	--	2.52	1.8	17.2	100	0.45	0.17	< 10	0.14	3.41	46	21.6	25.4	11.6	0.1	5.20	30	2	2.01	805
204103	299	--	2.16	0.7	5.8	480	0.45	0.19	< 10	0.02	1.37	21	9.2	9.6	7.7	< 0.1	3.41	30	< 2	1.13	710
204105	299	--	2.55	1.1	22.4	130	0.55	0.09	< 10	0.12	1.91	69	21.6	28.8	6.9	0.1	4.68	30	< 2	2.14	450
204106	299	--	1.57	1.1	786	120	0.50	0.07	< 10	0.10	3.88	12	7.6	8.8	5.7	< 0.1	2.75	30	14	0.93	960
204107	299	--	1.73	46.0	7670	170	< 0.50	50.0	< 10	110.5	2.29	84	16.0	23.0	< 10.0	Minrlzd	3.61	10	>10000	1.34	545
204108	299	--	1.59	0.7	58.2	90	0.60	0.07	< 10	0.12	2.73	12	6.8	4.6	5.5	< 0.1	2.88	30	24	1.01	730
204109	299	--	1.52	1.2	434	170	0.40	0.23	< 10	0.32	2.50	17	7.6	23.2	4.8	< 0.1	2.72	30	36	0.86	730
204110	299	--	1.66	0.9	57.8	160	0.35	0.52	< 10	0.74	2.07	22	7.2	6.2	5.2	< 0.1	2.88	20	192	0.95	690
204111	299	--	1.64	0.7	11.2	110	0.55	0.12	< 10	0.12	3.46	19	7.8	11.6	5.2	< 0.1	2.90	30	12	0.91	915

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2-B
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : 19931383
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931383

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
204062	299	--	0.03	0.6	< 1	740	0.67	6	< 0.5	0.02	0.11	54	< 0.01	< 0.05	0.40	0.12	0.65	2.35	43	58
204063	299	--	< 0.01	0.8	1	720	0.42	6	< 0.5	0.06	0.08	132	< 0.01	< 0.05	0.24	0.04	1.00	3.15	34	72
204064	299	--	0.01	1.8	1	740	0.28	5	< 0.5	0.54	0.03	28	< 0.01	0.10	0.12	< 0.01	2.10	9.55	27	134
204065	299	--	0.02	0.8	1	780	0.29	7	< 0.5	0.08	0.11	60	< 0.01	< 0.05	0.16	0.03	0.40	3.30	44	90
204066	299	--	< 0.01	0.6	1	720	0.55	6	< 0.5	0.02	0.14	103	0.08	< 0.05	0.30	0.08	0.25	5.25	42	58
204067-204068	283	--	0.01	1.4	1	750	0.42	6	< 0.5	0.02	0.10	77	< 0.01	< 0.05	0.22	0.05	0.50	3.05	42	62
204069	299	--	0.01	0.2	1	710	0.77	5	< 0.5	0.02	0.19	53	< 0.01	< 0.05	0.48	0.18	0.25	4.15	50	56
204071	299	--	0.34	1.2	33	250	0.16	6	< 0.5	9.94	0.02	21	0.13	0.05	1.96	0.01	1.50	0.70	61	50
204072	299	--	0.04	0.2	1	720	0.45	6	< 0.5	0.12	0.10	95	< 0.01	< 0.05	0.30	0.08	0.30	3.45	41	58
204073-204075	283	--	0.03	0.8	1	620	0.36	4	< 0.5	0.14	0.06	84	0.13	< 0.05	0.20	0.04	0.50	4.70	25	42
204076-204077	283	--	0.01	0.2	< 1	720	0.61	5	< 0.5	0.02	0.13	55	< 0.01	< 0.05	0.36	0.12	0.20	3.60	44	56
204078	299	--	0.01	0.2	1	750	0.33	4	< 0.5	0.02	0.06	96	0.10	< 0.05	0.20	0.03	0.20	5.00	27	56
204079-204080	283	--	0.02	0.6	1	740	0.48	6	< 0.5	0.14	0.10	103	0.03	< 0.05	0.26	0.06	0.25	4.90	38	60
204081	299	--	0.01	0.6	1	750	0.32	5	< 0.5	0.50	0.06	60	0.30	< 0.05	0.16	0.02	0.15	5.55	24	62
204082	299	--	0.04	0.4	1	700	0.46	6	< 0.5	0.06	0.10	87	0.03	< 0.05	0.26	0.06	0.35	4.80	39	56
204083	299	--	0.01	1.6	56	2500	0.23	4	< 0.5	0.04	0.30	212	0.10	< 0.05	0.26	0.17	0.20	0.90	40	100
204084	299	--	0.01	0.2	1	720	0.32	5	< 0.5	0.02	0.07	111	0.07	< 0.05	0.20	0.01	0.25	7.70	27	52
204085	299	--	0.02	1.6	48	2480	0.39	6	< 0.5	0.10	0.32	209	0.18	< 0.05	0.36	0.20	0.20	1.00	66	100
204086	299	--	0.02	1.4	46	2420	0.34	5	< 0.5	0.08	0.22	484	0.06	< 0.05	0.24	0.17	0.20	4.05	50	98
204087-204088	283	--	< 0.01	0.4	3	800	0.41	6	< 0.5	0.16	0.10	79	0.10	< 0.05	0.26	0.07	0.45	5.50	44	64
204089+204091	283	--	0.03	1.4	53	2490	0.35	4	< 0.5	0.14	0.28	264	0.09	< 0.05	0.26	0.26	0.35	0.65	54	96
204092	299	--	0.01	4.0	1	740	0.55	5	< 0.5	0.16	0.14	94	0.11	0.20	0.34	0.14	0.55	7.55	43	60
204093	299	--	0.01	1.6	42	2380	0.19	3	< 0.5	0.10	0.21	98	0.13	< 0.05	0.14	0.41	0.35	0.80	54	102
204094	299	--	0.01	1.8	46	2300	0.45	4	< 0.5	0.04	0.35	137	0.17	< 0.05	0.32	0.39	0.25	0.40	58	98
204095	299	--	< 0.01	1.6	53	2230	0.39	3	< 0.5	0.08	0.41	186	0.14	< 0.05	0.38	0.21	0.25	0.60	39	98
204096	299	--	0.01	1.8	49	2440	0.52	4	< 0.5	0.10	0.31	113	0.08	< 0.05	0.50	0.39	0.25	0.75	63	94
204097	299	--	0.01	0.2	1	770	0.39	6	< 0.5	0.06	0.14	85	0.06	< 0.05	0.24	0.19	0.55	5.70	50	58
204098	299	--	0.01	1.4	49	2210	0.13	3	< 0.5	0.08	0.15	435	0.07	< 0.05	0.08	0.40	0.40	0.90	47	100
204099	299	--	0.02	0.6	4	710	0.33	7	< 0.5	0.04	0.08	123	0.07	< 0.05	0.18	0.15	0.25	6.15	48	62
204100	299	--	0.01	7.0	1	740	0.34	7	< 0.5	0.06	0.09	272	0.03	< 0.05	0.22	0.15	0.25	6.80	47	62
204101-204102	283	--	< 0.01	6.6	31	2220	0.11	6	< 0.5	0.12	0.15	412	0.08	< 0.05	0.14	0.60	0.50	1.60	68	100
204103	299	--	< 0.01	1.0	< 1	750	0.77	8	< 0.5	0.04	0.18	229	0.02	< 0.05	0.44	0.21	0.35	4.75	61	60
204105	299	--	0.01	2.0	49	2340	0.46	4	< 0.5	0.06	0.35	156	0.07	< 0.05	0.34	0.33	0.35	0.85	58	94
204106	299	--	0.01	0.6	1	680	0.34	4	< 0.5	0.18	0.04	198	0.12	< 0.05	0.22	0.02	0.20	5.25	32	54
204107	299	--	< 1.00	3.0	29	1150	0.23	7	Minrlzd>	100.0	0.15	140	1.00	Minrlzd<	10.00	0.10<	10.00	10.00	63	3000
204108	299	--	0.02	0.2	1	730	0.26	6	< 0.5	0.12	0.05	136	0.10	< 0.05	0.14	0.06	0.15	7.35	33	60
204109	299	--	0.04	1.0	1	730	0.40	5	< 0.5	0.54	0.06	113	0.11	< 0.05	0.20	0.03	0.60	8.90	29	58
204110	299	--	0.02	0.2	1	710	0.29	5	< 0.5	1.28	0.08	96	0.09	< 0.05	0.16	0.04	0.25	4.95	38	78
204111	299	--	0.01	0.8	1	740	0.30	5	0.5	0.22	0.05	200	0.10	< 0.05	0.16	< 0.01	0.15	6.25	28	56

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-7 (ICP)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-A
Total Pages : 1
Certificate Date: 27-OCT-1999
Invoice No. : 19931408
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931408

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
204112	299	--	1.68	0.8	7.2	110	0.95	0.08	< 10	0.08	3.74	18	6.8	13.4	4.2	< 0.1	3.95	30	8	0.94	1035
204113	299	--	1.90	0.2	7.2	540	0.25	0.03	< 10	0.02	0.58	44	7.0	10.2	6.0	< 0.1	2.88	30	< 2	0.83	585
204114	299	--	1.83	0.1	11.2	380	0.50	0.15	< 10	0.14	0.46	31	7.4	7.8	6.0	< 0.1	3.03	30	2	0.74	570
204115	299	--	1.95	< 0.1	1.6	620	0.20	0.03	< 10	< 0.02	0.77	27	8.2	14.8	6.2	< 0.1	3.17	30	2	0.97	650
204116	299	--	1.80	1.1	22.6	340	0.25	0.06	< 10	0.04	0.96	34	6.8	9.6	5.4	< 0.1	3.10	30	< 2	0.80	630
204117	299	--	1.67	0.3	5.2	240	0.40	0.03	< 10	< 0.02	1.47	22	7.0	9.0	5.3	< 0.1	2.86	30	2	0.84	625
204118	299	--	1.61	0.5	28.8	180	0.55	0.08	< 10	0.02	1.26	19	6.8	4.6	5.3	< 0.1	2.85	30	6	0.76	490
204119+204121	283	--	1.70	0.5	30.4	180	0.65	0.06	< 10	0.02	2.25	23	6.8	4.2	5.3	< 0.1	2.92	30	2	0.82	695
204122	299	--	1.55	0.2	10.4	310	0.30	0.25	< 10	0.04	1.75	33	6.8	4.8	5.0	< 0.1	2.59	30	2	0.78	660
204123	299	--	1.73	0.2	10.6	270	0.45	0.06	< 10	0.04	1.24	21	7.4	9.8	5.6	< 0.1	2.99	30	2	0.91	605
204124	299	--	1.44	0.5	29.6	170	0.35	3.30	< 10	0.04	2.23	23	5.6	3.6	4.4	< 0.1	2.61	20	< 2	0.84	665
204125	299	--	1.72	0.8	39.4	260	0.50	0.19	< 10	0.04	2.64	20	7.2	4.0	5.1	< 0.1	2.98	30	4	0.76	810
204126	299	--	1.75	1.0	20.0	480	0.60	0.08	< 10	0.06	2.46	17	7.0	11.8	5.6	< 0.1	2.87	30	< 2	0.83	890
204127	299	--	1.75	0.5	5.6	420	0.35	0.02	< 10	< 0.02	1.03	22	7.0	5.0	5.4	0.1	2.89	30	< 2	0.91	655
204128	299	--	1.22	2.7	4200	310	0.15	0.03	< 10	1.90	1.82	25	6.8	5.6	3.8	< 0.1	2.75	20	52	0.79	840
204129	299	--	1.76	3.4	156.0	510	0.25	0.02	< 10	1.00	0.87	22	7.6	8.0	5.7	0.1	3.15	30	2	0.88	635
204130	299	--	0.55	268	7220	210	0.05	0.13	< 10	18.60	1.61	45	4.6	5.8	1.7	< 0.1	2.19	10	1175	0.27	590
204131	299	--	1.40	15.8	1860	350	0.30	0.04	< 10	1.08	1.77	31	6.8	7.8	4.2	< 0.1	2.95	20	16	0.87	770
204133-204134	283	--	1.79	2.1	88.6	310	0.35	0.01	< 10	0.10	1.62	32	7.4	6.4	5.4	< 0.1	2.91	30	4	0.85	640
204135-204136	283	--	1.78	0.6	7.8	420	0.25	0.03	< 10	0.02	1.22	31	7.0	6.2	5.7	0.1	2.93	30	< 2	0.91	665
204137	299	--	1.43	4.2	3460	180	0.50	0.34	< 10	0.90	1.35	29	7.0	6.2	4.0	< 0.1	3.02	10	56	0.67	520
204138+204140	283	--	1.59	2.0	818	200	0.40	0.05	< 10	0.34	1.73	18	7.8	7.2	4.5	< 0.1	3.05	30	2	0.76	695
204139	299	--	0.92	1.9	68.8	140	0.45	3.58	< 10	0.36	3.70	21	35.2	17.8	2.4	< 0.1	3.90	10	64	0.48	1190
204141	299	--	1.60	2.1	2910	350	0.20	0.81	< 10	0.20	2.26	30	10.2	7.4	4.6	< 0.1	3.08	20	20	0.83	860
204142	299	--	1.77	0.8	80.2	230	0.35	0.18	< 10	0.06	1.83	26	7.8	4.4	6.0	< 0.1	3.13	30	4	0.97	735
204143	299	--	1.61	0.3	15.8	390	0.10	0.02	< 10	0.02	1.07	22	7.2	6.0	5.5	< 0.1	2.99	30	< 2	0.90	670
204144	299	--	1.04	3.8	3420	180	0.30	113.0	< 10	1.16	3.23	32	6.4	5.4	2.8	< 0.1	2.40	10	3150	0.51	1040
204145	299	--	1.66	0.4	20.8	370	0.45	0.40	< 10	0.02	1.30	31	7.6	7.8	5.5	0.1	2.84	30	4	0.87	665
204146-204147	283	--	1.35	1.2	774	220	0.60	0.26	< 10	0.30	1.97	27	6.8	4.6	4.3	< 0.1	2.68	30	8	0.79	710
204148	299	--	1.47	0.6	184.0	220	0.30	0.12	< 10	0.14	1.95	20	7.2	7.6	4.9	< 0.1	2.85	30	6	0.85	725
204149	299	--	0.99	3.9	5080	220	0.30	0.66	< 10	1.16	1.93	20	6.6	7.8	3.4	< 0.1	2.76	10	22	0.84	845
204150	299	--	1.85	42.3	686	1200	0.50	0.61	< 10	1.46	1.12	74	7.2	94.3	4.5	< 0.1	3.52	10	10	0.35	240

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Certificate Date: 27-OCT-1999
Invoice No. : I9931408
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931408

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
204112	299	--	0.02	0.2	1	660	0.31	6	< 0.5	0.06	0.03	238	0.12	0.05	0.14	< 0.01	0.20	14.30	23	62
204113	299	--	< 0.01	0.2	< 1	730	0.84	5	< 0.5	0.06	0.20	47	< 0.01	< 0.05	0.46	0.21	0.20	3.00	54	56
204114	299	--	< 0.01	0.6	1	700	0.62	7	< 0.5	< 0.02	0.15	45	< 0.01	< 0.05	0.48	0.12	0.15	1.60	49	58
204115	299	--	< 0.01	< 0.2	< 1	830	0.96	5	< 0.5	0.02	0.19	47	< 0.01	< 0.05	0.52	0.24	0.05	2.90	59	62
204116	299	--	< 0.01	0.6	1	740	0.55	6	0.5	0.06	0.12	61	< 0.01	< 0.05	0.32	0.09	0.30	1.60	44	56
204117	299	--	< 0.01	0.2	1	710	0.39	5	< 0.5	< 0.02	0.10	93	< 0.01	< 0.05	0.20	0.06	0.15	1.95	40	56
204118	299	--	< 0.01	0.2	1	730	0.34	5	< 0.5	0.10	0.05	76	< 0.01	< 0.05	0.16	0.02	0.05	2.50	36	54
204119+204121	283	--	0.01	0.4	1	680	0.37	5	< 0.5	0.02	0.06	136	< 0.01	< 0.05	0.16	0.03	0.10	2.50	33	58
204122	299	--	< 0.01	0.2	1	710	0.49	4	< 0.5	< 0.02	0.08	89	0.01	0.05	0.22	0.07	0.10	3.10	35	54
204123	299	--	< 0.01	0.2	1	710	0.46	5	0.5	< 0.02	0.10	81	0.01	< 0.05	0.20	0.07	0.05	2.65	43	60
204124	299	--	< 0.01	0.4	1	650	0.21	3	< 0.5	0.02	0.06	60	0.04	1.10	0.08	0.05	0.30	1.90	27	52
204125	299	--	< 0.01	0.8	1	740	0.44	6	< 0.5	< 0.02	0.08	143	< 0.01	0.05	0.24	0.04	0.15	2.65	36	62
204126	299	--	< 0.01	1.0	1	700	0.37	4	< 0.5	0.02	0.06	185	0.02	< 0.05	0.18	0.03	0.25	3.65	33	56
204127	299	--	< 0.01	0.6	1	710	0.66	5	< 0.5	< 0.02	0.15	61	0.01	< 0.05	0.32	0.16	0.10	2.85	48	56
204128	299	--	0.01	0.2	< 1	670	0.54	5	< 0.5	0.34	0.07	128	0.38	< 0.05	0.26	0.07	0.20	4.30	33	100
204129	299	--	< 0.01	0.6	< 1	770	0.78	6	< 0.5	0.10	0.12	40	< 0.01	< 0.05	0.50	0.17	0.15	2.80	52	142
204130	299	--	0.05	2.8	< 1	490	0.31	3	< 0.5	8.60	0.03	57	0.77	< 0.05	0.14	0.02	0.35	7.80	13	600
204131	299	--	< 0.01	0.2	1	690	0.58	5	< 0.5	0.40	0.10	109	0.31	< 0.05	0.26	0.09	0.15	2.95	37	66
204133-204134	283	--	< 0.01	0.6	1	690	0.55	5	< 0.5	0.02	0.10	102	0.02	< 0.05	0.28	0.08	0.20	2.65	38	60
204135-204136	283	--	< 0.01	0.2	1	690	0.65	5	< 0.5	0.02	0.15	69	0.04	< 0.05	0.36	0.14	0.20	3.50	48	58
204137	299	--	< 0.01	3.6	1	650	0.25	5	< 0.5	0.48	0.05	72	0.26	< 0.05	0.10	0.01	0.20	7.40	29	124
204138+204140	283	--	0.01	1.0	1	720	0.34	6	< 0.5	0.08	0.06	102	0.12	< 0.05	0.16	0.03	0.15	3.40	32	76
204139	299	--	< 0.01	2.2	2	730	0.26	4	< 0.5	2.02	0.03	134	2.00	0.70	0.12	< 0.01	0.20	7.40	12	58
204141	299	--	< 0.01	0.6	< 1	690	0.57	4	< 0.5	0.50	0.09	164	0.32	0.15	0.22	0.10	0.10	4.20	42	54
204142	299	--	< 0.01	0.8	1	640	0.41	5	0.5	0.12	0.09	115	0.04	< 0.05	0.22	0.06	0.05	2.30	44	70
204143	299	--	< 0.01	0.2	< 1	730	0.66	5	< 0.5	< 0.02	0.12	71	0.01	< 0.05	0.38	0.14	0.10	3.65	50	58
204144	299	--	0.03	0.2	1	680	0.30	4	< 0.5	55.2	0.04	130	0.45	0.35	0.20	< 0.01	0.20	6.10	17	66
204145	299	--	0.01	0.2	1	700	0.51	5	< 0.5	0.16	0.12	85	0.02	< 0.05	0.24	0.10	0.05	4.55	43	58
204146-204147	283	--	< 0.01	0.6	1	670	0.39	5	< 0.5	0.12	0.06	137	0.14	0.05	0.20	0.04	0.20	3.40	27	64
204148	299	--	< 0.01	0.4	1	690	0.42	5	< 0.5	0.06	0.07	126	0.12	< 0.05	0.20	0.06	0.05	2.95	35	58
204149	299	--	0.03	0.2	1	690	0.41	4	< 0.5	0.42	0.05	124	0.57	< 0.05	0.18	0.05	0.20	3.65	26	86
204150	299	--	3.59	14.0	38	1110	0.39	4	2.5	0.26	0.02	69	0.22	0.05	1.78	0.01	5.45	4.75	157	102

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

LL99-8 (JLP)

Page Number : 1-A
Total Pages : 1
Certificate Date: 26-OCT-1999
Invoice No. : I9931411
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931411

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
204151	299	--	2.50	0.4	10.2	120	0.65	0.05	< 10	0.16	2.09	54	28.2	35.0	5.7	0.1	5.23	30	< 2	2.30	435
204152	299	--	1.92	0.2	7.4	530	0.20	0.06	< 10	0.02	1.04	32	8.0	9.2	6.1	< 0.1	3.30	30	< 2	1.01	670
204153-204154	283	--	1.86	0.8	608	480	0.15	0.06	< 10	0.12	1.60	25	8.6	7.8	6.2	< 0.1	3.47	20	< 2	1.04	785
204155	299	--	1.72	1.3	612	280	0.50	0.13	< 10	0.12	2.68	21	8.0	10.6	5.1	< 0.1	3.06	20	4	1.10	720
204156	299	--	2.41	0.8	32.0	80	0.45	0.03	< 10	0.30	3.21	76	27.8	31.8	7.6	0.1	5.61	30	< 2	2.58	780
204157	299	--	2.81	0.6	12.8	60	0.70	0.03	< 10	0.12	2.76	83	29.0	33.6	6.8	0.1	5.24	30	< 2	2.58	615
204158	299	--	1.73	0.6	107.5	120	0.25	0.09	< 10	0.08	2.93	17	7.8	4.6	6.6	< 0.1	3.33	30	10	1.02	730
204159	299	--	1.64	0.6	24.6	220	0.40	0.11	< 10	0.06	2.24	20	7.4	7.2	5.3	< 0.1	3.22	20	6	0.95	710
204160	299	--	1.74	0.7	48.8	190	0.35	0.13	< 10	0.08	1.83	16	8.6	4.8	5.8	< 0.1	3.51	20	6	1.09	750
204161	299	--	1.65	0.6	522	200	0.30	0.06	< 10	0.26	1.90	24	7.6	3.2	5.6	< 0.1	3.21	20	4	0.99	705
204163	299	--	1.58	0.6	439	320	0.25	0.07	< 10	0.04	1.72	27	7.0	2.8	5.0	< 0.1	2.98	20	2	0.90	670
204164	299	--	1.50	0.5	221	390	0.15	0.06	< 10	0.06	1.35	33	6.0	2.4	4.4	< 0.1	2.70	10	< 2	0.79	615
204165-204166	283	--	1.69	0.6	354	180	0.30	0.09	< 10	0.08	2.07	25	6.8	2.6	5.6	< 0.1	3.05	30	6	0.96	730
204167	299	--	1.93	0.3	5.8	380	0.20	0.05	< 10	0.04	1.57	25	8.2	3.8	6.2	< 0.1	3.58	30	2	1.15	785
204168	299	--	2.21	0.6	17.4	240	0.75	0.05	< 10	0.12	2.15	14	7.2	2.6	5.8	< 0.1	3.24	20	< 2	1.27	750
204169	299	--	3.14	1.0	31.2	20	0.90	0.02	< 10	0.22	5.99	83	30.2	25.8	9.1	0.1	6.25	20	< 2	2.55	1485
204170	299	--	2.89	0.6	33.8	30	0.70	0.01	< 10	0.18	4.54	73	29.8	26.0	7.6	< 0.1	6.29	20	< 2	2.68	1145
204171	299	--	2.33	0.7	27.4	60	0.65	0.01	< 10	0.16	9.40	57	22.8	23.2	5.8	< 0.1	4.57	20	< 2	2.23	2360
204172	299	--	2.88	0.8	56.2	40	0.65	0.23	< 10	0.20	5.27	70	26.4	18.0	8.3	< 0.1	6.24	20	< 2	2.87	1560
204173	299	--	1.67	0.8	35.4	80	0.65	0.16	< 10	0.10	2.83	33	11.4	6.2	5.0	< 0.1	3.76	30	< 2	1.45	985
204174	299	--	3.57	0.9	45.2	30	0.80	0.21	< 10	0.10	4.14	83	30.8	19.6	11.8	0.1	7.00	30	< 2	2.59	1125
204175	299	--	3.13	1.0	67.0	50	1.10	0.11	< 10	0.16	3.78	75	30.6	19.4	9.9	< 0.1	6.96	30	< 2	2.37	1330
204176	299	--	3.14	0.7	33.0	30	0.50	0.12	< 10	0.14	6.77	73	27.8	17.2	10.1	< 0.1	6.66	20	< 2	2.35	1785
204177	299	--	1.19	0.2	4.2	70	0.35	0.04	< 10	0.02	1.78	20	4.4	1.2	3.9	< 0.1	2.10	30	10	0.57	515
204178	299	--	1.19	0.2	65.4	130	0.15	0.05	< 10	0.12	0.98	23	4.4	2.2	3.8	< 0.1	2.15	30	10	0.55	455
204179	299	--	1.16	0.1	4.0	130	0.30	0.04	< 10	0.02	1.91	24	4.2	1.8	3.8	< 0.1	2.03	30	10	0.52	645
204181	299	--	1.22	0.1	2.2	110	0.40	0.06	< 10	0.02	0.97	28	4.4	1.4	4.1	< 0.1	2.12	30	10	0.54	435
204182	299	--	1.10	0.2	119.0	240	0.15	0.04	< 10	0.10	0.80	36	4.2	3.0	3.4	< 0.1	1.93	20	8	0.48	475
204183	299	--	1.21	0.5	98.0	280	0.15	0.03	< 10	0.08	0.79	36	4.2	2.6	3.5	< 0.1	1.99	30	10	0.48	495
204184	299	--	1.19	0.2	4.8	80	0.20	0.04	< 10	< 0.02	0.86	29	4.4	1.4	3.7	< 0.1	2.17	30	8	0.53	410
204185	299	--	3.37	1.0	29.6	60	0.80	0.03	< 10	0.22	5.86	68	29.4	19.0	11.2	0.1	6.52	20	6	2.38	1385
204186	299	--	1.11	0.4	4.8	90	0.20	0.05	< 10	0.02	1.06	26	4.2	1.4	3.4	< 0.1	1.99	30	10	0.52	435
204187	299	--	0.90	2.2	4220	130	0.15	0.16	< 10	0.34	1.68	26	4.2	3.2	2.7	< 0.1	1.91	20	60	0.34	520
204188	299	--	0.92	1.5	1850	80	0.30	0.05	< 10	0.56	2.69	22	4.0	2.0	2.8	< 0.1	1.96	20	30	0.41	755
204189	299	--	1.34	2.9	3540	240	0.20	0.05	< 10	0.50	1.95	38	7.0	4.6	3.7	< 0.1	3.01	30	20	0.65	790
204190/92/93	283	--	1.33	1.9	1410	160	0.40	0.18	< 10	8.06	2.19	46	7.8	3.4	3.6	< 0.1	2.88	30	216	0.72	755
204194	299	--	1.75	0.7	17.6	90	0.50	0.06	< 10	0.08	2.02	24	7.6	3.6	5.1	< 0.1	3.18	30	4	1.00	680
204195	299	--	1.73	0.3	10.8	380	0.05	0.12	< 10	0.08	1.54	38	7.8	11.2	5.2	< 0.1	3.05	30	2	0.89	695

CERTIFICATION: David Lee

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-B
Total Pages : 1
Certificate Date: 26-OCT-1999
Invoice No. : I9931411
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931411

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
204151	299	--	0.02	1.4	53	2400	0.19	5	< 0.5	0.04	0.29	207	< 0.01	< 0.05	0.14	0.16	0.15	0.70	57	90
204152	299	--	0.01	0.2	1	830	0.84	6	< 0.5	0.04	0.18	54	0.02	< 0.05	0.44	0.21	0.20	5.25	59	62
204153-204154	283	--	0.01	0.8	1	820	0.83	8	< 0.5	0.06	0.12	65	0.15	< 0.05	0.46	0.16	0.45	5.05	59	66
204155	299	--	0.01	0.6	1	710	0.45	6	< 0.5	0.06	0.04	65	0.25	< 0.05	0.22	0.04	0.55	4.90	38	50
204156	299	--	< 0.01	1.6	36	2690	0.29	13	< 0.5	0.08	0.22	147	0.14	< 0.05	0.22	0.20	0.15	0.30	109	114
204157	299	--	0.01	1.6	54	2440	0.17	8	< 0.5	0.04	0.33	172	0.07	< 0.05	0.16	0.17	0.05	0.40	75	100
204158	299	--	< 0.01	0.2	1	780	0.19	7	< 0.5	0.06	0.08	63	0.12	< 0.05	0.10	0.01	0.15	3.65	51	62
204159	299	--	0.01	2.0	2	670	0.31	6	< 0.5	0.20	0.08	57	0.17	< 0.05	0.14	0.04	0.20	4.45	42	56
204160	299	--	< 0.01	0.2	1	820	0.30	8	< 0.5	0.08	0.08	57	0.15	< 0.05	0.16	0.05	0.05	4.85	56	66
204161	299	--	0.01	0.2	1	740	0.27	7	< 0.5	0.08	0.10	71	0.11	< 0.05	0.12	0.04	0.15	4.50	53	68
204163	299	--	0.01	0.2	1	730	0.47	6	< 0.5	0.06	0.10	62	0.13	< 0.05	0.22	0.08	0.10	4.70	46	56
204164	299	--	< 0.01	1.6	1	670	0.60	4	< 0.5	0.06	0.13	56	0.10	< 0.05	0.32	0.13	0.20	5.65	43	50
204165-204166	283	--	< 0.01	0.2	1	710	0.26	7	< 0.5	0.06	0.09	69	0.08	< 0.05	0.12	0.03	0.10	3.30	52	56
204167	299	--	0.01	0.2	1	780	0.52	9	< 0.5	0.08	0.14	69	0.03	< 0.05	0.26	0.10	0.05	4.70	63	66
204168	299	--	0.01	0.2	1	730	0.58	6	< 0.5	0.06	0.04	65	0.07	< 0.05	0.28	0.02	0.50	5.35	36	44
204169	299	--	0.03	1.2	51	2310	0.20	12	< 0.5	0.10	0.01	107	0.19	< 0.05	0.12	< 0.01	0.45	0.55	71	96
204170	299	--	0.01	1.4	49	2310	0.24	15	< 0.5	0.10	0.01	160	0.12	< 0.05	0.14	< 0.01	0.35	0.30	59	94
204171	299	--	0.01	1.0	29	1770	0.18	10	< 0.5	0.04	0.12	161	0.09	< 0.05	0.14	0.10	0.15	0.95	69	74
204172	299	--	0.04	1.2	39	2070	0.18	15	< 0.5	0.06	0.07	171	0.14	< 0.05	0.14	0.01	0.15	1.00	75	92
204173	299	--	0.01	0.8	12	1050	0.23	8	< 0.5	0.02	0.05	85	0.09	< 0.05	0.10	0.01	0.15	3.00	39	58
204174	299	--	0.02	1.4	36	2440	0.17	10	< 0.5	0.24	0.04	145	0.26	< 0.05	0.14	0.01	0.20	3.30	82	116
204175	299	--	0.02	1.4	38	2450	0.30	14	< 0.5	0.12	0.03	130	0.18	< 0.05	0.18	0.01	0.20	5.60	77	108
204176	299	--	0.01	1.0	36	1950	0.18	9	< 0.5	0.08	0.02	312	0.14	< 0.05	0.12	0.01	0.20	3.45	67	100
204177	299	--	0.01	0.2	1	440	0.23	3	< 0.5	0.02	0.07	72	0.01	< 0.05	0.08	0.01	0.05	2.00	21	42
204178	299	--	0.01	0.4	1	440	0.30	3	< 0.5	0.02	0.07	43	0.03	< 0.05	0.16	0.03	0.15	1.25	23	48
204179	299	--	< 0.01	0.4	< 1	430	0.36	3	< 0.5	0.04	0.08	69	0.02	< 0.05	0.22	0.04	0.10	1.30	23	42
204181	299	--	0.01	0.6	1	440	0.33	3	< 0.5	0.02	0.08	44	0.01	< 0.05	0.18	0.03	0.10	2.10	23	44
204182	299	--	0.01	0.6	1	420	0.48	3	< 0.5	0.02	0.09	40	0.06	< 0.05	0.30	0.09	0.25	2.40	24	44
204183	299	--	< 0.01	0.6	< 1	430	0.58	3	< 0.5	0.08	0.10	33	0.11	< 0.05	0.38	0.10	0.15	3.25	25	46
204184	299	--	< 0.01	0.4	< 1	440	0.20	3	< 0.5	0.02	0.07	49	0.01	< 0.05	0.10	0.01	0.05	2.95	21	46
204185	299	--	0.03	1.0	38	2260	0.13	10	< 0.5	0.08	0.03	346	0.21	< 0.05	0.26	< 0.01	0.15	0.40	91	110
204186	299	--	0.01	0.2	< 1	440	0.23	2	< 0.5	0.04	0.06	37	0.04	< 0.05	0.12	0.01	0.05	3.20	20	42
204187	299	--	< 0.01	0.2	< 1	410	0.27	1	< 0.5	0.24	0.05	102	0.45	< 0.05	0.10	< 0.01	0.15	3.05	13	38
204188	299	--	0.01	0.4	1	410	0.21	1	< 0.5	0.12	0.04	126	0.30	< 0.05	0.08	< 0.01	0.10	4.45	14	58
204189	299	--	0.03	0.4	1	740	0.38	5	< 0.5	0.18	0.06	76	0.53	< 0.05	0.20	0.03	0.20	3.55	30	66
204190/92/93	283	--	0.03	0.2	3	680	0.30	5	< 0.5	1.22	0.07	111	0.37	< 0.05	0.14	0.01	0.20	4.30	30	360
204194	299	--	< 0.01	1.2	2	670	0.24	5	< 0.5	0.04	0.05	68	0.08	< 0.05	0.12	< 0.01	0.10	4.85	30	60
204195	299	--	0.01	0.8	3	750	0.57	6	< 0.5	0.08	0.12	81	0.08	< 0.05	0.28	0.09	0.10	4.60	47	62

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-10 (ICP)

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-A
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : I9931413
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931413

SAMPLE	PREP CODE	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
204196	299 --	1.42	0.6	80.0	380	0.15	0.03	< 10	0.08	1.03	32	7.2	5.2	4.4	< 0.1	3.02	30	2	0.72	650
204197	299 --	1.49	1.1	612	440	0.15	0.04	< 10	0.22	1.19	46	7.2	7.4	4.2	< 0.1	3.08	30	2	0.74	655
204198	299 --	0.69	3.6	1930	160	0.35	0.12	< 10	0.32	2.76	23	7.6	5.0	1.6	< 0.1	3.19	30	10	0.64	750
204199	299 --	1.47	0.9	10.6	390	0.15	0.03	< 10	0.04	1.28	34	7.2	4.6	4.2	< 0.1	3.18	30	2	0.93	680
204200	299 --	0.51	7.4	6710	170	0.25	0.04	< 10	3.02	2.51	31	7.2	9.0	1.1	< 0.1	2.95	10	12	0.70	865
204201	299 --	0.74	6.4	3250	230	0.20	0.04	< 10	0.46	2.48	30	8.0	10.2	1.8	< 0.1	2.99	10	22	0.85	800
204202	299 --	1.28	1.2	45.0	150	0.35	0.03	< 10	0.06	2.48	25	7.8	3.6	3.7	< 0.1	3.10	40	2	0.91	840
204203	299 --	0.66	7.3	1910	140	0.25	0.07	< 10	0.46	2.39	36	7.8	5.0	1.6	< 0.1	2.85	20	16	0.73	775
204204	299 --	0.47	12.2	7420	80	0.30	0.05	< 10	1.00	3.04	34	9.6	8.0	0.9	< 0.1	3.72	10	28	0.55	990
204205	299 --	0.20	22.6	8630	40	< 0.05	0.05	< 10	21.0	1.66	162	3.2	24.2	0.4	< 0.1	1.41	< 10	808	0.08	440
204206	299 --	0.73	7.7	4840	170	0.30	0.08	< 10	0.64	2.09	40	7.2	6.6	1.5	< 0.1	3.02	30	14	0.67	695
204207	299 --	1.45	2.7	205	180	0.55	0.03	< 10	0.22	1.71	42	7.4	4.2	3.8	< 0.1	3.19	30	6	0.87	655
204208	299 --	1.37	2.5	114.0	180	0.40	0.05	< 10	0.68	1.72	40	6.2	7.0	3.4	< 0.1	3.13	30	14	0.70	465
204209	299 --	1.82	1.4	384	440	0.20	0.04	< 10	0.20	1.75	33	9.8	15.2	4.9	0.1	3.81	20	< 2	1.15	795
204210	299 --	0.36	300	352	1410	0.25	0.46	< 10	1.74	0.34	43	5.4	95.1	2.8	< 0.1	1.58	10	196	0.03	20
204211	299 --	0.65	14.0	>10000	210	< 0.50	< 2.00	< 10	< 0.50	2.55	34	7.0	8.0	< 10.0	Minrlzd	2.73	10	12	0.79	1035
204212	299 --	1.17	3.5	2410	360	0.05	0.05	< 10	0.28	1.72	24	7.2	5.4	3.4	< 0.1	2.97	20	10	0.87	700
204213	299 --	0.93	3.6	2190	260	0.20	0.11	< 10	0.44	2.44	28	7.8	7.4	2.3	< 0.1	3.12	20	6	0.91	810
204214	299 --	0.98	3.3	2670	260	0.25	0.08	< 10	0.74	2.33	23	7.2	4.4	2.8	< 0.1	2.94	10	14	0.87	810
204215	299 --	0.51	4.0	99.2	110	0.35	0.07	< 10	0.24	3.06	20	9.8	6.2	1.0	< 0.1	2.90	30	10	0.86	850
204216	299 --	1.01	2.2	80.8	220	0.25	0.04	< 10	0.12	2.69	38	8.0	5.8	2.5	< 0.1	3.14	30	2	0.96	825
204217	299 --	1.20	5.7	6730	360	0.05	0.05	< 10	0.76	1.96	19	9.0	14.4	3.5	< 0.1	3.32	10	10	0.99	935
204218	299 --	1.19	1.2	346	280	0.05	0.02	< 10	0.14	1.85	20	7.4	6.0	3.5	< 0.1	3.08	10	6	0.95	735
204219	299 --	0.90	1.9	1080	180	0.20	0.05	< 10	0.14	2.77	22	7.6	2.6	2.3	< 0.1	2.97	20	6	0.96	840
204220	299 --	1.16	2.5	1970	220	0.20	0.05	< 10	0.52	2.02	27	7.2	5.4	3.3	< 0.1	2.93	10	10	0.78	700
204221	299 --	1.02	2.3	2310	210	0.05	0.01	< 10	0.88	1.58	29	5.8	5.4	2.9	< 0.1	2.46	10	6	0.69	610
204222	299 --	0.77	27.4	5200	200	0.10	0.18	< 10	1.44	1.74	32	6.6	10.6	2.0	< 0.1	2.73	10	450	0.65	675
204223	299 --	0.62	7.5	8010	190	0.10	0.06	< 10	0.48	2.16	29	7.0	6.6	1.4	< 0.1	2.88	10	12	0.72	780
204224	299 --	1.52	1.1	1080	390	0.10	0.05	< 10	0.14	1.49	26	7.6	6.4	4.2	< 0.1	3.15	20	< 2	0.98	720
204225	299 --	0.34	13.4	390	50	0.15	0.07	< 10	1.16	0.23	8	3.8	104.0	0.9	< 0.1	3.92	< 10	852	0.05	120
204226	299 --	1.42	0.4	64.4	400	0.05	0.04	< 10	0.06	1.56	29	7.8	5.8	4.2	< 0.1	3.21	20	6	0.98	705
204227	299 --	1.26	1.5	1830	320	0.20	0.04	< 10	0.24	1.55	36	7.2	4.6	3.8	< 0.1	2.97	30	2	0.82	665
204228	299 --	1.00	0.5	256	150	0.15	0.05	< 10	0.12	3.27	19	6.4	3.4	2.6	< 0.1	2.79	10	< 2	0.83	1050
204229	299 --	1.42	0.6	44.0	100	0.35	0.03	< 10	0.06	2.01	23	6.8	2.4	3.9	< 0.1	2.70	40	6	0.76	500
204230	299 --	2.07	1.2	47.2	100	0.65	0.03	< 10	0.16	2.53	55	24.2	24.6	6.0	0.1	5.82	30	< 2	2.15	995
204231	299 --	1.60	0.7	49.8	110	0.60	0.06	< 10	0.04	2.58	15	6.6	3.6	4.1	< 0.1	3.04	40	8	0.88	585
204232	299 --	1.39	1.5	2770	260	0.15	0.12	< 10	0.34	2.19	26	8.0	5.4	4.1	< 0.1	3.06	10	6	0.86	670
204233	299 --	1.74	0.4	11.6	180	0.40	0.05	< 10	0.08	3.18	22	8.4	4.2	5.7	< 0.1	3.36	30	4	0.98	1040
204234	299 --	1.12	3.6	5910	290	0.15	0.17	< 10	0.28	2.52	30	8.4	4.6	3.3	< 0.1	3.07	10	12	0.62	790
204235	299 --	1.32	0.7	193.5	390	0.05	0.14	< 10	0.12	1.64	24	7.2	5.4	4.2	< 0.1	3.05	40	< 2	0.91	675

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-B
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : I9931413
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931413

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
204196	299 --	0.02	0.2	1	790	0.63	5	< 0.5	0.02	0.10	34	< 0.01	< 0.05	0.36	0.14	1.30	1.50	47	60
204197	299 --	0.03	0.6	1	800	0.69	5	< 0.5	0.08	0.12	73	0.09	< 0.05	0.36	0.11	1.45	3.60	43	62
204198	299 --	0.01	0.2	1	810	0.29	5	< 0.5	0.22	0.02	151	0.25	< 0.05	0.14	0.01	1.00	2.95	19	56
204199	299 --	0.01	0.2	1	800	0.65	5	< 0.5	0.06	0.11	92	0.07	< 0.05	0.36	0.14	0.15	4.00	46	60
204200	299 --	0.03	0.4	1	770	0.31	4	< 0.5	0.42	0.02	184	1.07	< 0.05	0.12	0.01	0.75	3.80	13	150
204201	299 --	0.01	0.2	1	800	0.38	5	< 0.5	0.38	0.04	179	0.73	< 0.05	0.18	0.03	0.25	3.00	20	58
204202	299 --	0.01	0.2	< 1	760	0.33	6	< 0.5	0.02	0.05	164	0.01	< 0.05	0.18	0.03	0.20	2.75	31	60
204203	299 --	0.03	0.4	1	750	0.31	5	< 0.5	0.38	0.02	129	0.85	< 0.05	0.20	0.01	0.60	3.55	16	60
204204	299 --	0.04	0.2	1	710	0.31	5	< 0.5	1.32	< 0.01	83	2.45	< 0.05	0.22	< 0.01	1.00	23.5	8	72
204205	299 --	0.16	0.8	3	120	0.13	< 1	< 0.5	3.98	< 0.01	21	0.66	< 0.05	0.04	< 0.01	0.80	4.35	3	1250
204206	299 --	0.04	0.6	2	750	0.36	4	< 0.5	0.56	0.03	116	0.94	< 0.05	0.18	< 0.01	1.30	3.00	12	62
204207	299 --	0.03	0.2	1	770	0.38	6	< 0.5	0.10	0.06	100	0.23	< 0.05	0.20	0.02	0.65	4.60	32	62
204208	299 --	0.03	0.4	1	810	0.34	6	< 0.5	0.72	0.06	55	0.08	< 0.05	0.18	0.02	2.15	3.65	33	88
204209	299 --	0.01	0.6	2	910	0.75	8	< 0.5	0.08	0.14	111	0.15	< 0.05	0.40	0.14	0.30	2.75	54	76
204210	299 --	0.29	128.0	49	1770	0.07	9	4.0	0.18	0.01	145	0.06	0.10	1.42	0.01	17.70	37.0	234	54
204211	299 --	< 1.00	2.0	1	700	0.39	3	Minrlzd	0.60	0.02	182	1.01	Minrlzd	< 10.00	0.01	< 10.00	< 10.00	13	76
204212	299 --	0.03	1.2	1	770	0.58	4	< 0.5	0.12	0.07	114	0.39	< 0.05	0.32	0.10	0.30	3.00	36	60
204213	299 --	0.20	0.8	2	770	0.38	4	< 0.5	0.12	0.05	160	0.60	< 0.05	0.16	0.02	0.35	3.20	24	66
204214	299 --	0.03	1.0	1	760	0.43	4	< 0.5	0.20	0.05	151	0.66	< 0.05	0.18	0.05	0.20	2.50	27	74
204215	299 --	0.04	0.2	2	880	0.26	6	< 0.5	0.58	0.01	271	0.71	< 0.05	0.16	< 0.01	0.20	6.05	10	54
204216	299 --	0.04	0.4	2	770	0.47	6	< 0.5	0.22	0.04	202	0.32	< 0.05	0.26	0.03	0.30	5.45	27	54
204217	299 --	0.01	0.2	2	890	0.67	5	< 0.5	0.50	0.06	121	0.76	< 0.05	0.34	0.12	0.20	6.00	38	80
204218	299 --	0.01	0.2	1	810	0.50	4	< 0.5	0.06	0.06	101	0.20	< 0.05	0.24	0.09	0.15	5.30	37	58
204219	299 --	< 0.01	1.0	1	760	0.29	5	< 0.5	0.08	0.04	213	0.23	< 0.05	0.18	0.01	0.20	8.05	23	54
204220	299 --	0.02	0.4	< 1	800	0.38	4	< 0.5	0.16	0.06	96	0.48	< 0.05	0.16	0.05	2.00	4.35	31	64
204221	299 --	0.02	0.2	1	620	0.38	3	< 0.5	0.10	0.07	130	0.44	< 0.05	0.18	0.05	0.20	5.90	28	72
204222	299 --	0.01	0.4	1	700	0.40	3	< 0.5	1.72	0.04	139	0.86	< 0.05	0.20	0.04	1.75	5.50	22	62
204223	299 --	0.01	0.2	1	730	0.35	3	< 0.5	0.28	0.03	171	1.20	< 0.05	0.14	0.03	0.35	3.10	15	48
204224	299 --	0.01	0.8	1	820	0.73	5	< 0.5	0.08	0.10	97	0.35	< 0.05	0.42	0.13	0.10	4.55	46	60
204225	299 --	1.37	0.2	10	650	0.05	< 1	3.0	21.3	0.22	13	3.63	0.90	0.40	< 0.01	1.45	0.40	3	614
204226	299 --	0.02	0.4	< 1	820	0.72	5	< 0.5	0.06	0.08	85	0.14	< 0.05	0.40	0.13	0.15	4.60	46	60
204227	299 --	0.01	0.4	1	810	0.57	3	< 0.5	0.08	0.07	85	0.48	< 0.05	0.32	0.10	0.25	5.30	38	54
204228	299 --	0.01	0.2	1	770	0.23	4	< 0.5	0.06	0.04	126	0.22	< 0.05	0.12	< 0.01	0.05	4.25	21	40
204229	299 --	0.01	0.2	1	770	0.27	6	< 0.5	0.02	0.05	81	< 0.01	< 0.05	0.14	0.01	2.20	5.00	29	56
204230	299 --	0.01	1.2	40	2340	0.16	10	< 0.5	0.04	0.15	174	0.07	< 0.05	0.10	0.08	0.60	0.55	69	96
204231	299 --	0.01	0.2	< 1	780	0.30	5	< 0.5	0.02	0.03	75	< 0.01	< 0.05	0.14	0.01	3.95	1.55	26	60
204232	299 --	< 0.01	0.2	1	780	0.37	5	< 0.5	0.06	0.05	108	0.59	< 0.05	0.16	0.04	0.30	5.15	34	54
204233	299 --	0.01	0.2	< 1	790	0.35	6	< 0.5	< 0.02	0.06	249	0.04	< 0.05	0.20	0.04	0.15	7.90	41	64
204234	299 --	< 0.01	0.2	1	810	0.47	4	< 0.5	0.18	0.05	139	0.93	< 0.05	0.24	0.06	0.20	10.90	27	50
204235	299 --	< 0.01	0.2	1	820	0.60	4	< 0.5	0.06	0.07	88	0.17	< 0.05	0.36	0.13	0.15	7.80	43	58

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2-A
Total Pages : 2
Certificate Date: 26-OCT-1999
Invoice No. : 19931413
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931413

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
204236	299	--	1.29	0.7	68.2	240	0.25	0.79	< 10	0.08	2.28	27	7.2	9.6	3.6	< 0.1	3.07	30	8	0.92	710
204237	299	--	0.93	1.1	403	210	0.20	0.71	< 10	0.14	2.61	37	6.8	5.6	2.4	< 0.1	3.01	10	< 2	0.76	825
204238	299	--	1.79	0.3	11.0	70	0.40	0.05	< 10	< 0.02	1.95	31	7.2	1.2	5.4	< 0.1	3.25	30	4	0.99	625
204239	299	--	1.21	0.8	782	320	0.25	0.09	< 10	0.34	1.66	29	6.8	6.8	3.5	< 0.1	2.87	20	8	0.84	675
204240	299	--	1.66	40.9	702	1330	0.40	0.57	< 10	1.48	1.10	68	7.0	93.6	4.0	< 0.1	3.54	10	10	0.33	235
204241	299	--	1.47	1.6	52.2	420	0.25	6.94	< 10	0.10	1.52	33	12.6	13.2	4.4	< 0.1	3.23	20	14	0.93	700

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number :2-B
Total Pages :2
Certificate Date: 26-OCT-1999
Invoice No. :19931413
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9931413

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
204236	299	--	0.01	0.2	1	760	0.32	5	< 0.5	0.14	0.06	152	0.16	< 0.05	0.16	0.04	0.25	5.80	35	54
204237	299	--	0.01	0.2	1	760	0.29	5	< 0.5	0.16	0.05	137	0.27	< 0.05	0.12	0.01	0.20	6.80	20	48
204238	299	--	0.01	0.2	1	740	0.22	5	< 0.5	0.02	0.05	133	0.03	< 0.05	0.10	0.01	0.15	3.90	36	62
204239	299	--	0.01	0.2	1	780	0.49	4	< 0.5	0.10	0.08	108	0.21	< 0.05	0.26	0.09	0.15	3.80	36	60
204240	299	--	3.96	14.6	40	1100	0.34	4	2.0	0.28	0.01	66	0.21	0.05	1.86	0.01	5.95	4.75	147	104
204241	299	--	0.08	0.2	2	810	0.71	5	< 0.5	0.78	0.10	75	0.15	0.15	0.40	0.15	0.15	9.35	44	58

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.
BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

LL99-12
ICP

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-A
Total Pages : 2
Certificate Date: 08-NOV-1999
Invoice No. : I9931416
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931416

SAMPLE	PREP CODE		Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
204242	299	--	1.53	0.1	3.4	480	0.15	0.04	< 10	0.02	1.13	20	7.0	4.4	4.7	< 0.1	2.92	20	< 2	0.91	670
204243	299	--	1.72	0.3	1.2	510	0.20	0.02	< 10	< 0.02	1.35	32	7.8	4.0	5.0	< 0.1	3.22	40	6	0.99	700
204244	299	--	0.84	6.0	7480	270	0.30	0.02	< 10	0.68	2.17	34	6.6	5.6	1.9	< 0.1	2.87	10	18	0.75	805
204245	299	--	1.60	1.9	183.5	260	0.40	0.29	< 10	0.14	2.73	23	9.8	25.0	4.1	< 0.1	3.99	20	6	1.07	820
204246	299	--	1.21	3.0	5720	180	0.20	0.35	< 10	1.00	2.69	26	6.8	5.0	3.2	< 0.1	3.01	20	24	0.75	785
204247	299	--	1.80	0.4	299	400	0.25	1.13	< 10	0.12	1.94	16	13.4	12.8	5.1	< 0.1	4.04	10	2	1.22	860
204248	299	--	1.44	0.9	1440	440	0.10	0.05	< 10	0.22	1.49	22	7.2	6.0	4.3	< 0.1	2.94	30	6	0.87	690
204249	299	--	1.77	0.1	9.2	440	0.15	0.02	< 10	0.02	1.44	31	7.8	3.8	5.3	< 0.1	3.19	30	2	1.09	720
204250	299	--	1.52	0.7	566	340	0.20	0.12	< 10	0.24	2.39	27	7.6	9.8	4.0	< 0.1	3.02	30	4	0.82	755
204251	299	--	1.73	0.4	332	460	0.30	0.06	< 10	0.10	1.36	22	7.8	6.2	5.2	< 0.1	3.16	30	< 2	1.02	695
204252	299	--	1.58	0.3	3.6	110	0.35	0.12	< 10	0.08	5.60	21	7.8	5.0	4.3	< 0.1	2.59	30	8	0.86	1335
204253	299	--	1.68	0.3	7.0	800	0.55	0.03	< 10	0.04	2.87	25	7.6	3.4	4.2	< 0.1	3.10	30	12	0.97	820
204254	299	--	1.58	0.3	3.0	280	0.60	0.02	< 10	0.02	2.30	25	7.2	2.8	3.8	< 0.1	2.79	40	4	0.82	740
204255	299	--	2.09	4.8	48.2	300	0.95	0.15	< 10	0.08	1.00	63	20.8	27.8	5.4	< 0.1	3.77	10	12	0.21	1505
204256	299	--	1.53	0.4	1.8	70	0.45	0.03	< 10	0.02	4.55	25	6.8	2.6	4.1	< 0.1	2.56	30	10	0.83	1105
204257	299	--	1.44	0.4	2.2	310	0.30	0.04	< 10	0.06	2.14	29	7.2	3.8	4.0	< 0.1	3.04	40	4	0.98	815
204258	299	--	0.58	4.0	358	70	0.75	0.04	< 10	0.26	2.70	27	7.8	3.2	1.1	< 0.1	3.09	20	6	0.76	870
204259	299	--	1.20	0.7	10.8	280	0.40	0.03	< 10	0.06	1.88	24	7.0	3.4	3.4	< 0.1	2.93	30	2	0.97	710
204260	299	--	1.43	0.1	2.0	290	0.20	0.20	< 10	0.04	2.12	34	6.6	3.8	4.3	< 0.1	3.02	30	< 2	0.95	740
204261	299	--	1.55	0.1	4.2	340	0.15	0.37	< 10	0.08	1.85	29	10.2	4.4	4.4	< 0.1	3.14	30	< 2	0.96	730
204262	299	--	1.14	1.1	898	390	0.20	0.15	< 10	0.36	2.41	28	8.6	10.8	3.2	< 0.1	3.26	30	6	0.90	825
204263	299	--	0.72	2.9	5670	240	< 0.05	1.70	< 10	0.72	2.58	25	7.2	5.6	1.7	< 0.1	2.50	10	48	0.74	885
204264	299	--	0.96	3.9	7660	230	0.05	0.66	< 10	0.60	2.58	37	7.0	8.0	2.5	< 0.1	3.25	10	14	0.73	810
204265	299	--	0.81	8.0	>10000	240	< 0.50	< 2.00	< 10	< 0.50	2.46	25	9.0	10.0	< 10.0	Minrlzd	3.04	10	60	0.71	945
204266	299	--	0.88	6.0	>10000	220	< 0.50	< 2.00	< 10	< 0.50	3.75	24	11.0	7.0	< 10.0	Minrlzd	2.97	10	44	0.51	1110
204267	299	--	1.33	0.9	1410	280	0.15	0.05	< 10	0.48	2.40	25	7.4	6.8	3.4	< 0.1	3.07	20	10	0.86	760
204268	299	--	1.63	2.3	3360	340	0.20	5.66	< 10	0.60	1.65	35	10.0	7.6	4.4	< 0.1	3.49	20	18	0.94	735
204269	299	--	1.14	1.7	3040	240	0.10	0.97	< 10	0.62	2.23	19	8.4	5.8	3.4	< 0.1	3.16	10	24	0.92	830
204270	299	--	0.36	300	351	1400	0.25	0.46	< 10	1.72	0.34	44	5.0	94.9	2.8	< 0.1	1.60	10	208	0.03	20
204271	299	--	1.61	1.5	980	290	0.35	15.75	< 10	1.26	2.06	33	9.6	7.6	4.4	< 0.1	3.34	30	6	1.02	850
204272	299	--	1.42	1.9	1605	790	0.15	0.18	< 10	3.40	1.92	35	8.2	8.4	3.9	< 0.1	3.23	30	< 2	0.96	790
204273	299	--	1.41	2.3	2020	390	0.25	0.07	< 10	0.30	1.73	37	7.6	10.0	3.9	< 0.1	3.04	30	6	0.83	715
204274	299	--	1.19	2.9	5450	130	0.30	0.10	< 10	0.42	2.69	31	7.4	10.2	2.9	< 0.1	2.88	20	20	0.80	815
204275	299	--	1.00	3.2	3770	140	0.40	0.09	< 10	1.04	3.50	25	7.0	8.2	2.6	< 0.1	2.89	10	20	0.87	1015
204276	299	--	1.23	0.6	277	110	0.35	0.05	< 10	0.30	3.93	24	6.6	5.8	3.4	< 0.1	2.54	30	16	0.80	950
204277	299	--	1.17	2.9	4110	100	0.35	0.11	< 10	0.92	3.22	31	7.2	8.0	2.8	< 0.1	2.91	20	10	0.80	855
204278	299	--	1.52	0.7	542	220	0.30	0.09	< 10	0.10	3.09	23	8.0	5.8	4.3	< 0.1	3.04	30	4	1.00	880
204279	299	--	1.40	0.6	7.8	190	0.30	0.04	< 10	0.06	3.92	26	7.0	7.0	3.7	< 0.1	2.73	40	4	0.97	995
204280	299	--	1.62	0.4	6.4	210	0.25	0.05	< 10	0.02	2.46	19	7.8	4.6	5.0	< 0.1	3.16	40	4	1.06	820
204281	299	--	1.90	0.4	42.6	240	0.50	0.06	< 10	0.08	2.10	16	9.4	7.8	5.2	< 0.1	3.23	30	8	1.12	705

CERTIFICATION: *+

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 1-B
Total Pages : 2
Certificate Date: 08-NOV-1999
Invoice No. : I9931416
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931416

SAMPLE	PREP CODE		Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
204242	299	--	0.02	0.4	< 1	760	0.70	6	< 0.5	0.02	0.09	58	0.01	< 0.05	0.36	0.14	0.15	3.70	46	60
204243	299	--	0.01	0.6	1	760	0.45	7	< 0.5	0.02	0.11	98	< 0.01	< 0.05	0.22	0.08	0.15	4.20	45	66
204244	299	--	0.02	0.4	1	680	0.42	4	< 0.5	0.26	0.04	163	0.64	< 0.05	0.20	0.03	0.35	6.95	20	54
204245	299	--	< 0.01	0.6	1	850	0.37	8	< 0.5	0.12	0.06	176	0.24	< 0.05	0.16	0.01	0.15	5.35	33	74
204246	299	--	0.01	0.6	1	720	0.25	4	< 0.5	0.26	0.03	194	0.78	< 0.05	0.10	< 0.01	0.30	3.70	24	76
204247	299	--	0.01	0.4	2	900	0.66	7	< 0.5	0.50	0.06	94	0.62	0.40	0.36	0.14	0.10	2.85	55	70
204248	299	--	0.01	0.2	1	790	0.68	4	< 0.5	0.08	0.08	89	0.22	< 0.05	0.34	0.14	0.15	3.75	44	60
204249	299	--	0.01	0.8	1	770	0.53	7	< 0.5	0.04	0.09	90	< 0.01	< 0.05	0.28	0.09	0.15	3.75	50	66
204250	299	--	0.03	0.6	1	800	0.47	5	< 0.5	0.08	0.06	131	0.32	< 0.05	0.24	0.06	0.20	4.70	38	62
204251	299	--	< 0.01	0.2	1	810	0.64	6	< 0.5	0.04	0.09	84	0.11	< 0.05	0.30	0.11	0.10	3.25	48	64
204252	299	--	0.02	0.6	1	630	0.26	4	< 0.5	0.08	0.03	328	0.05	< 0.05	0.14	0.01	0.20	3.45	23	56
204253	299	--	0.02	0.2	1	770	0.33	7	< 0.5	0.02	0.04	153	0.09	< 0.05	0.16	0.01	0.10	4.50	30	62
204254	299	--	0.01	0.2	1	790	0.39	6	< 0.5	0.04	0.04	115	0.05	< 0.05	0.18	0.03	0.05	3.45	31	60
204255	299	--	0.42	1.2	37	270	0.15	7	< 0.5	10.40	0.01	21	0.13	0.10	1.88	0.01	1.45	0.60	63	54
204256	299	--	0.02	0.6	< 1	740	0.24	4	< 0.5	0.06	0.03	333	0.01	< 0.05	0.14	< 0.01	0.25	2.70	21	56
204257	299	--	0.01	0.2	1	770	0.43	5	< 0.5	0.02	0.08	137	0.02	< 0.05	0.22	0.07	0.15	5.75	37	60
204258	299	--	0.23	0.6	1	730	0.27	5	< 0.5	0.36	0.01	149	1.32	< 0.05	0.16	< 0.01	1.00	4.95	10	58
204259	299	--	0.04	0.2	1	740	0.48	5	< 0.5	0.06	0.05	129	0.10	< 0.05	0.24	0.08	0.20	3.45	36	58
204260	299	--	0.02	0.4	1	790	0.38	5	< 0.5	0.04	0.07	117	0.05	< 0.05	0.18	0.07	0.35	5.95	39	60
204261	299	--	< 0.01	0.2	1	730	0.47	5	< 0.5	0.06	0.08	100	0.17	0.05	0.24	0.08	0.10	4.25	43	60
204262	299	--	0.03	3.2	1	780	0.51	4	< 0.5	0.16	0.06	130	0.65	< 0.05	0.24	0.07	0.25	5.20	32	60
204263	299	--	0.04	1.0	1	750	0.30	3	< 0.5	0.70	0.03	142	0.64	0.60	0.12	0.01	0.30	3.55	16	54
204264	299	--	< 0.01	0.2	1	730	0.34	4	< 0.5	0.30	0.03	155	1.18	0.05	0.12	0.01	0.25	5.05	23	62
204265	299	--	< 1.00	1.0	1	780	0.41	3Minrlzd		0.60	0.03	166	1.00Minrlzd<		10.00	0.04<	10.00<	10.00	19	86
204266	299	--	< 1.00	1.0	1	780	0.31	3Minrlzd		0.20	0.02	181	1.01Minrlzd<		10.00	0.01<	10.00<	10.00	16	84
204267	299	--	0.01	0.2	1	760	0.40	4	< 0.5	0.08	0.05	157	0.55	< 0.05	0.18	0.06	0.15	3.25	33	64
204268	299	--	0.01	1.6	1	780	0.54	6	< 0.5	0.48	0.08	96	0.49	2.20	0.26	0.09	0.45	3.20	44	74
204269	299	--	< 0.01	0.2	1	790	0.32	4	< 0.5	0.26	0.04	144	0.44	0.35	0.14	0.05	0.20	3.25	33	70
204270	299	--	0.30	127.0	51	1820	0.07	9	4.0	0.20	< 0.01	140	0.06	0.15	1.44	0.01	18.30	37.6	236	56
204271	299	--	0.01	2.0	1	810	0.32	7	< 0.5	0.60	0.08	141	0.22	2.75	0.16	0.03	125.0	5.20	39	104
204272	299	--	0.04	0.8	1	750	0.53	6	< 0.5	0.12	0.08	126	0.25	< 0.05	0.26	0.08	1.50	5.30	40	186
204273	299	--	< 0.01	0.2	1	780	0.53	6	< 0.5	0.10	0.09	105	0.15	< 0.05	0.26	0.09	0.60	6.65	41	68
204274	299	--	0.01	0.4	1	750	0.27	4	< 0.5	0.12	0.02	161	0.52	< 0.05	0.12	< 0.01	0.55	2.75	17	56
204275	299	--	0.01	0.6	1	740	0.25	4	< 0.5	0.22	0.02	191	0.61	< 0.05	0.10	< 0.01	0.35	4.30	18	76
204276	299	--	< 0.01	0.4	1	700	0.24	4	< 0.5	0.06	0.03	182	0.13	< 0.05	0.12	< 0.01	0.35	5.70	22	58
204277	299	--	0.01	0.2	1	770	0.27	4	< 0.5	0.18	0.02	164	0.59	< 0.05	0.10	< 0.01	0.30	7.50	16	74
204278	299	--	< 0.01	0.4	1	810	0.30	5	< 0.5	0.04	0.05	167	0.07	< 0.05	0.18	0.02	0.20	4.80	31	66
204279	299	--	0.01	0.2	1	790	0.30	5	< 0.5	0.02	0.04	213	0.03	< 0.05	0.12	< 0.01	0.20	5.95	25	58
204280	299	--	< 0.01	0.2	1	790	0.23	5	< 0.5	0.02	0.04	124	0.01	< 0.05	0.12	0.01	0.15	5.45	35	66
204281	299	--	0.01	0.8	3	630	0.24	6	< 0.5	0.10	0.06	104	0.07	< 0.05	0.12	0.01	0.15	3.15	44	66

CERTIFICATION: _____

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Certificate Date: 08-NOV-1999
Invoice No. :19931416
P.O. Number :
Account :RKP

CERTIFICATE OF ANALYSIS A9931416

SAMPLE	PREP CODE	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	B ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
204282	299 --	1.67	0.4	49.8	170	0.50	0.05	< 10	0.06	3.36	17	7.6	4.0	4.4	< 0.1	3.01	30	12	0.96	840
204283	299 --	1.65	0.4	2.6	410	0.45	0.04	< 10	0.02	2.42	21	8.2	4.0	4.7	< 0.1	3.14	40	8	1.01	805
204284	299 --	0.33	13.6	379	50	0.15	0.07	< 10	1.10	0.24	9	3.6	103.0	1.0	< 0.1	3.96	< 10	870	0.04	120
204285	299 --	1.67	0.3	2.2	330	0.60	0.04	< 10	0.06	3.11	15	8.6	7.6	4.9	< 0.1	3.18	40	6	1.01	910
204286	299 --	1.16	0.3	2.6	3260	0.80	0.03	< 10	0.02	4.88	22	6.8	3.8	2.9	< 0.1	2.65	30	8	1.09	1080
204287	299 --	1.64	0.3	1.8	370	0.60	0.05	< 10	0.02	1.94	29	8.0	6.6	4.3	< 0.1	3.06	40	2	0.96	695
204288	299 --	1.71	0.2	5.0	310	0.25	0.04	< 10	0.02	2.40	27	8.0	5.2	4.9	< 0.1	3.14	40	2	1.02	845
204289	299 --	0.99	0.2	21.2	340	0.20	0.08	< 10	0.08	2.17	20	7.0	5.2	2.8	< 0.1	3.00	10	< 2	0.95	805
204290	299 --	1.30	0.3	2.2	780	0.45	0.04	< 10	0.02	3.57	14	7.6	7.6	3.5	< 0.1	2.97	40	2	1.05	1035
204291	299 --	0.95	1.8	2430	310	0.15	0.20	< 10	0.34	2.51	24	8.6	6.8	2.5	< 0.1	3.08	20	10	0.91	835
204292	299 --	1.54	0.4	103.0	360	0.15	0.04	< 10	0.06	1.37	33	7.0	5.6	4.5	< 0.1	3.02	30	4	0.98	705
204293	299 --	1.91	1.1	7.6	470	0.75	0.03	< 10	0.06	2.07	43	14.6	13.6	5.0	0.1	4.15	30	< 2	1.58	805
204294	299 --	2.02	1.7	10.6	410	0.80	0.05	< 10	0.10	3.66	53	18.6	17.6	5.1	< 0.1	4.63	30	4	1.88	1050
204295	299 --	0.92	1.0	12.8	560	0.30	0.04	< 10	0.08	2.71	26	7.0	4.6	2.4	< 0.1	2.71	30	8	0.97	760
204296	299 --	1.50	0.4	1.4	340	0.35	0.04	< 10	< 0.02	1.56	20	8.2	4.8	4.7	< 0.1	3.03	30	8	1.04	690
204297	299 --	1.49	0.4	1.8	430	0.25	0.03	< 10	0.04	1.46	21	8.6	5.2	5.0	0.1	3.22	40	6	1.08	800
204298	299 --	1.26	0.5	6.4	410	0.25	0.04	< 10	0.02	2.13	31	7.4	4.4	3.7	< 0.1	2.89	30	8	0.97	730
204299	299 --	0.99	0.9	5.2	380	0.60	0.05	< 10	0.10	3.02	28	8.0	5.0	2.4	< 0.1	2.97	30	12	1.01	880
204300	299 --	1.38	726	706	1350	1.55	1.42	< 10	1.64	2.06	141	14.0	127.0	5.6	0.2	2.87	< 10	430	0.07	25
204301	299 --	1.19	2.1	9.8	710	0.60	0.05	< 10	0.10	3.28	35	8.0	5.6	2.8	< 0.1	3.12	30	12	1.06	885
204302	299 --	1.35	0.4	1.2	380	0.30	0.03	< 10	0.02	1.85	24	6.4	3.8	4.0	< 0.1	2.61	30	8	0.87	640
204303	299 --	1.21	0.4	0.8	470	0.45	0.02	< 10	0.04	2.88	12	7.2	4.6	3.4	< 0.1	2.69	30	10	1.01	930
204304	299 --	1.57	0.3	2.0	240	0.40	0.03	< 10	0.02	1.77	25	7.6	6.6	4.6	< 0.1	2.96	30	8	1.00	705
204305	299 --	1.31	0.1	1.2	380	< 0.05	0.02	< 10	0.02	1.49	30	7.0	5.2	4.0	< 0.1	2.78	30	< 2	0.89	690
204306	299 --	1.33	0.4	223	340	0.15	0.04	< 10	0.06	1.62	35	7.6	5.2	4.0	< 0.1	3.09	20	4	0.93	700
204307	299 --	1.32	0.3	5.2	70	0.55	0.06	< 10	0.10	9.39	30	6.8	3.6	4.2	< 0.1	2.37	30	12	0.80	2390
204308	299 --	1.31	1.0	1070	370	0.30	0.07	< 10	0.12	1.76	39	7.2	5.4	3.8	< 0.1	3.02	20	8	0.92	710

CERTIFICATION:

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: BARRAMUNDI GOLD LTD.

BOX 25, 204 - 595 HOWE ST.
VANCOUVER, BC
V6C 2T5

Project : LONGLINE
Comments: ATTN: SANDY SEARS CC: RICHARD GORTON

Page Number : 2-B
Total Pages : 2
Certificate Date: 08-NOV-1999
Invoice No. : I9931416
P.O. Number :
Account : RKP

CERTIFICATE OF ANALYSIS A9931416

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	S %	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
204282	299 --	0.01	0.6	< 1	800	0.26	4	< 0.5	0.02	0.03	185	0.05	< 0.05	0.12	0.01	0.15	6.60	28	62
204283	299 --	< 0.01	0.2	1	820	0.25	5	< 0.5	0.02	0.05	147	0.01	< 0.05	0.12	0.01	0.15	6.25	34	68
204284	299 --	1.30	0.2	11	640	0.05	< 1	3.5	21.6	0.22	12	3.74	0.95	0.42	< 0.01	1.50	0.45	3	624
204285	299 --	0.02	0.2	1	850	0.31	5	< 0.5	0.02	0.04	187	0.01	< 0.05	0.14	0.03	0.20	6.30	33	72
204286	299 --	0.03	0.2	1	710	0.28	5	< 0.5	0.06	0.03	352	0.10	< 0.05	0.12	< 0.01	0.15	8.20	16	50
204287	299 --	0.02	0.2	1	780	0.31	6	< 0.5	0.06	0.06	139	0.03	< 0.05	0.16	0.01	0.15	7.45	31	62
204288	299 --	0.01	0.2	2	770	0.31	6	< 0.5	0.02	0.07	146	0.03	< 0.05	0.16	0.03	0.10	8.45	42	64
204289	299 --	0.01	0.2	< 1	740	0.39	5	< 0.5	0.04	0.05	126	0.28	< 0.05	0.20	0.06	0.10	4.95	29	52
204290	299 --	< 0.01	0.2	1	760	0.23	7	< 0.5	0.04	0.04	248	0.06	< 0.05	0.12	< 0.01	0.15	6.40	28	62
204291	299 --	0.01	0.6	1	790	0.40	4	< 0.5	0.14	0.05	147	0.64	0.05	0.20	0.05	0.25	5.90	26	54
204292	299 --	0.01	0.2	1	790	0.51	6	< 0.5	0.02	0.09	89	0.07	< 0.05	0.26	0.10	0.10	6.30	45	62
204293	299 --	0.01	0.2	30	1170	0.41	9	< 0.5	0.02	0.08	140	0.05	< 0.05	0.24	0.06	0.05	7.80	53	80
204294	299 --	0.02	0.4	43	1280	0.22	11	< 0.5	0.06	0.07	259	0.06	< 0.05	0.14	0.02	0.05	6.60	50	80
204295	299 --	< 0.01	0.2	< 1	730	0.30	5	< 0.5	0.06	0.04	196	0.13	< 0.05	0.16	0.01	0.15	7.05	20	52
204296	299 --	< 0.01	0.2	1	800	0.33	6	< 0.5	< 0.02	0.05	97	0.02	< 0.05	0.20	0.05	0.10	9.10	40	66
204297	299 --	< 0.01	0.2	1	840	0.56	8	< 0.5	0.04	0.07	94	0.01	< 0.05	0.34	0.11	0.10	7.00	48	68
204298	299 --	0.01	0.2	1	780	0.32	5	< 0.5	0.04	0.06	141	0.07	< 0.05	0.18	0.03	0.20	6.70	31	58
204299	299 --	< 0.01	< 0.2	1	820	0.31	7	< 0.5	0.06	0.04	202	0.10	< 0.05	0.16	< 0.01	0.15	6.20	22	60
204300	299 --	0.76	17.6	87	9820	0.28	4	4.5	0.64	0.01	423	0.37	0.15	6.12	< 0.01	57.2	13.15	600	194
204301	299 --	0.03	0.6	1	800	0.34	6	< 0.5	0.06	0.04	234	0.14	< 0.05	0.22	< 0.01	0.70	6.85	22	60
204302	299 --	0.01	0.2	3	710	0.26	5	< 0.5	0.02	0.05	133	0.01	< 0.05	0.14	0.01	0.20	4.75	32	58
204303	299 --	0.01	< 0.2	1	730	0.20	5	< 0.5	0.02	0.03	196	0.02	< 0.05	0.10	< 0.01	0.40	4.10	22	58
204304	299 --	< 0.01	0.2	2	780	0.33	6	< 0.5	0.04	0.06	122	0.04	< 0.05	0.18	0.04	0.30	7.20	39	62
204305	299 --	< 0.01	0.2	1	770	0.60	4	< 0.5	0.02	0.08	71	0.01	< 0.05	0.34	0.11	0.15	6.75	41	56
204306	299 --	< 0.01	0.2	1	790	0.49	6	< 0.5	0.02	0.08	102	0.14	< 0.05	0.26	0.09	0.10	6.05	43	56
204307	299 --	0.02	0.4	2	600	0.22	3	< 0.5	0.12	0.04	450	0.04	< 0.05	0.12	< 0.01	0.25	3.60	19	50
204308	299 --	< 0.01	0.2	1	780	0.45	5	< 0.5	0.06	0.07	97	0.33	< 0.05	0.24	0.07	0.15	4.20	40	54

CERTIFICATION: _____

094027
V. 2

BARRAMUNDI GOLD • LTD

Longline Technical Report – Volume 2

Plates 1-9

RECEIVED
FEB 15 2000
RECORDERS OFFICE
WHITEHORSE, Y.T.

YUKON ENERGY, MINES
& RESOURCES LIBRARY
P.O. BOX 2703
WHITEHORSE, YUKON Y1A 2C6

PROPERTY BOUNDARY

INFERRED GEOLOGICAL CONTACT

AT-93-18

AIRPORT STRIP

Clearing

Abundant Felsenmeer

OUTLINE OF 1998 GRID

Line 15N

Line 10N

Line 5N

Line 2N

BASELINE 0N

Line 2S

Line 10S

Line 15S

LL99-03 ~3cm quartz vein debris

LL99-02 LL99-06 LL99-11 LL99-05 LL99-09 LL99-01

LL99-04 LL99-07 LL99-12 LL99-08 LL99-10

KC Vein

several thin 1–2cm qtz veins in road cut

Swede's Pit

CR Vein

mafic dyke

#2

#3

felsic dyke

qtz vein flt.

SC-1 Vein

thin qtz vein

Tailings Pond

SC-2 Vein

Camp

WINTER ROAD

BASELINE 0E

barite

felsic dyke

granodiorite float

Winter Road to Beaver Creek ~60km

Kenyon Ck.

(mined)

Airport Pup

Swamp Creek

Soya Creek

Swamp Ck.

Hartley Creek

ALASKA
YUKON

6 993 000 N
6 992 000 N
6 991 000 N
6 990 000 N
6 989 000 N
6 988 000 N
6 987 000 N
6 986 000 N
6 985 000 N

500 000 E
501 000 E
502 000 E
503 000 E
504 000 E
505 000 E

1300m
1100m
1200m
1000m
900m
800m
700m

LEGEND

- Fracture, Jointing
- Quartz Vein, strike/dip
- Foliation, dip indeterminate
- Dyke, strike/dip
- Strong Oxidation
- Outdrop, Float
- Fault
- Fault, inferred
- Quartz Vein
- Felsic Dyke
- Mafic–Intermediate Dyke
- Moosehorn Range Granodiorite
- Granodiorite
- Quartz Diorite
- LL99-03 1999 Exploration Drill Hole

metres 0 200 400 600 800

BARRAMUNDI GOLD • LTD

LONGLINE PROPERTY

GEOLOGY

Plate 1 | Scale 1 : 10,000

094 027

YUKON ENERGY, MINES & RESOURCES LIBRARY
P.O. BOX [illegible]
WHITEHORSE, YUKON Y1A 2C6

510000E

70 00 000N

69 90 000N

69 80 000N

10'

05'

55'

63°00'N

CLAIM BORDER

Lesseaux Creek

Swamp Creek

RANGE

WIENERWURST MOUNTAIN

△4074

△4026

2017± △

Soil Sample Location

• 200905
Sample Number

Notes

- not all sample numbers posted; generally only every fifth number posted unless samples are not contiguous.

- samples below detection limit are not posted.

FEET

0 1000 3000 5000

METRES

0 500 1000 2000

BARRAMUNDI GOLD • LTD

LONGLINE PROJECT
REGIONAL SOIL
SAMPLE LOCATION MAP

Plate 2 | Scale 1 : 25,000

094 027

YUKON ENERGY, MINES & RESOURCES LIBRARY
PO BOX 2703
WHITEHORSE, YUKON Y1A 2C6

510000E

70 00 000N

69 90 000N

69 80 000N

10'

05'

55'

63°00'N

CLAIM BORDER

CLAIM BORDER

CLAIM BORDER

CLAIM BORDER

CLAIM BORDER

CLAIM BORDER

RANGE

WOOSEHORN

Lessard Creek

Creek

Creek

Creek

Swamp

Swamp

Swamp

4074

4026

2017±

WIENERWURST MOUNTAIN

402859, 0, 371
402854, 5, 119
402851, 13, 445
402804, 8, 142
402803, 18, 128
402802, 17, 220
402801, 168, 67
402857, 11, 325
402805, 19, 85
402853, 5, 55
402858, 6, 73
402852, 24, 38
402855, 18, 23
402885, 6, 7
402886, 7, 38
402887, 27, 55
402889, 16, 6
402900, 0, 0
402899, 13, 9
402898, 0, 0
402897, 7, 0
402890, 0, 0
402895, 0, 7
402896, 6, 0
402894, 7, 0
402891, 8, 15
402892, 6, 0
402893, 0, 0
402881, 6, 0
402882, 5, 0
402874, 7, 29
402884, 7, 0
402888, 0, 0
402883, 0, 0
402863, 7, 28
402862, 8, 10
402866, 0, 25
402867, 0, 10
402864, 7, 26
402868, 15, 7
402873, 0, 13
402869, 0, 6
402870, 0, 0
402872, 7, 18
402871, 0, 9
402806, 0, 0
402876, 5, 8
402875, 56, 13
402877, 5, 5
402879, 6, 12
402878, 5, 19
402880, 14, 39

403952, 0.01, 48, 0.1, 1
403951, 0.01, 57, 0.1, 5
403899, 0.13, 4595, 0.1, 39
403900, 0.01, 83, 0.1, 0.01
403970, 0.01, 22, 0.1, 0.01
403971, 0.01, 180, 0.1, 5
403972, 0.03, 173, 0.1, 0.01
403969, 0.10, 90, 0.1, 5
403968, 1.45, 1249, 39, 74
403967, 20.27, 3346, 91, 401
403966, 0.16, 835, 0.1, 18
403973, 3.04, 146, 0.1, 0.01
403965, 1.34, 330, 0.1, 76
403964, 80.85, 1706, 0.1, 303
403749, 1.70, 514, 4, 2000
403953, 0.58, 263, 18, 386

2500 3000 3500 2000 4000 4500

Stream Sediment Sample Location

402801, 168, 67
Sample Number, Au (ppb), As (ppm)

Rock Sample Location

403967, 20.27, 3346, 51, 401
Sample Number, Au (gm/t), As (ppm), Bi (ppm), Sb (ppm)

Notes

- not all sample numbers posted; generally only every fifth number posted unless samples are not contiguous.

- samples below detection limit are not posted.

FEET
0 1000 3000 5000

METRES
0 500 1000 2000

BARRAMUNDI GOLD • LTD

LONGLINE PROJECT

STREAM SEDIMENT AND ROCK SAMPLE LOCATION MAP

Plate 3 | Scale 1 : 25,000

094 027

YUKON ENERGY, MINES & RESOURCES LIBRARY
P.O. BOX 2703
WHITEHORSE, YUKON Y1A 2C6

510000E

70°00'000N

10'

05'

69°90'000N

63°00'N

55'

69°80'000N

5100000E

CLAIM BORDER

4074

4026

2017±

Lesaux

Creek

Swamp

RANGE

WIENERWURST MOUNTAIN

Soil Sample Location

• 161

Gold (ppb) in soils

Notes

- not all sample numbers posted; generally only every fifth number posted unless samples are not contiguous.

- samples below detection limit are not posted.

FEET

0 1000 3000 5000

METRES

0 500 1000 2000

BARRAMUNDI GOLD • LTD

LONGLINE PROJECT

REGIONAL SOIL SAMPLING

GOLD

Plate 4 | Scale 1 : 25,000

094 027

YUKON ENERGY MINES & RESOURCES LIBRARY
PO BOX 2703
WHITEHORSE, YUKON Y1A 2C6

510000E

70 00 000N

10'

05'

69 90 000N

63°00'N

69 80 000N

55'

510000E

CLAIM BORDER

Insets show Bismuth and Antimony

Bismuth

Antimony

4074

4026

2017±

RANGE

Creek

Stream

Swamp

WIENERWURST MOUNTAIN

Soil Sample Location

· 161

Arsenic, Bismuth, and Antimony (ppm) in soils

Notes

- not all sample numbers posted; generally only every fifth number posted unless samples are not contiguous.

- samples below detection limit are not posted.

FEET

0 1000 3000 5000

METRES

0 500 1000 2000

BARRAMUNDI GOLD • LTD

LONGLINE PROJECT

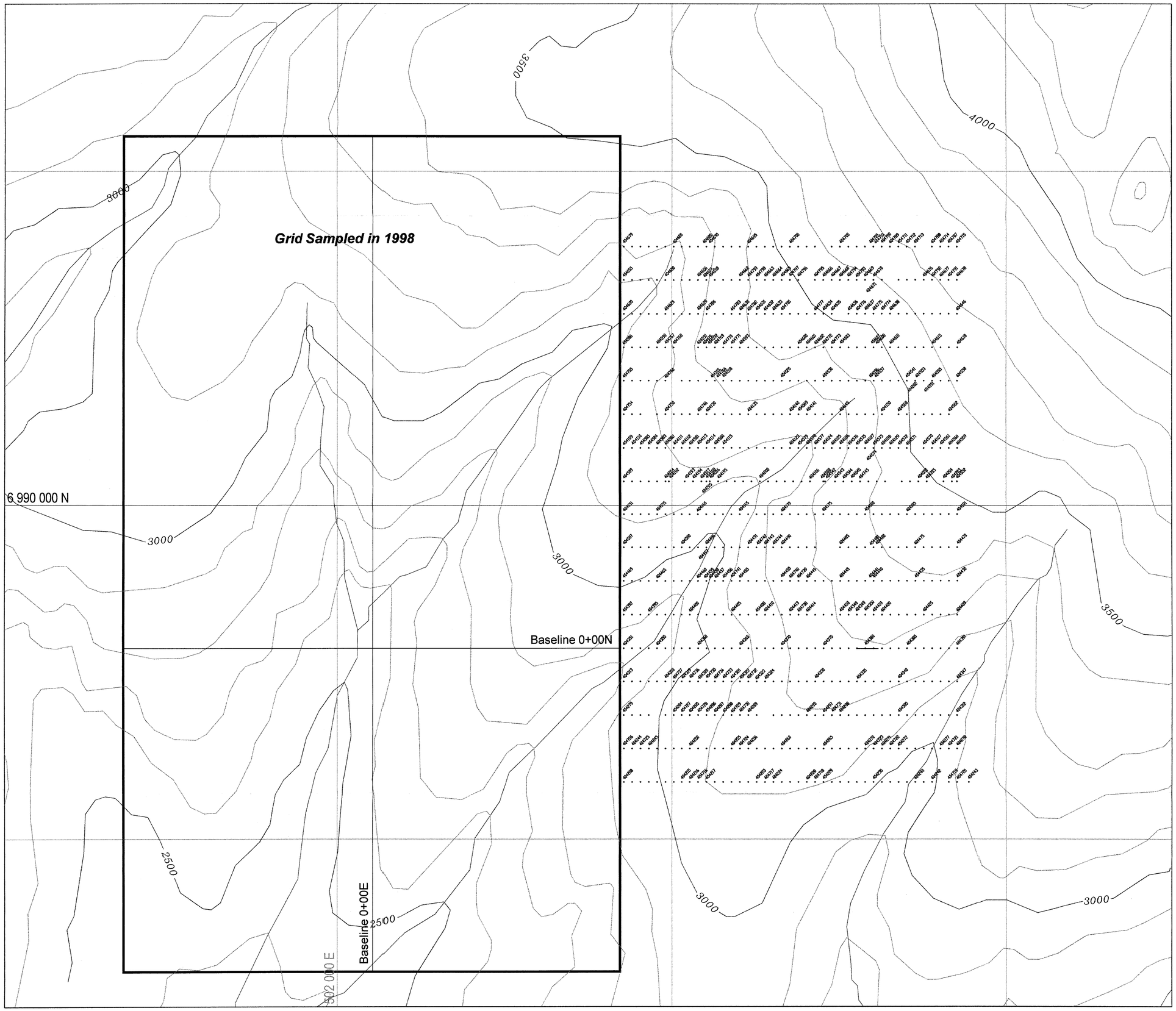
REGIONAL SOIL SAMPLING

ARSENIC, BISMUTH, ANTIMONY

Plate 5 | Scale 1 : 25,000

094 027

YUKON ENERGY, MINES & RESOURCES LIBRARY
PO BOX 2703
WHITEHORSE, YUKON Y1A 2C6



Soil Sample Location

45452

Sample Number

Notes

- not all sample numbers posted; generally only every fifth number posted unless samples are not contiguous.

- samples below detection limit are not posted.

FEET

0 1000 3000 5000

METRES

0 500 1000 2000

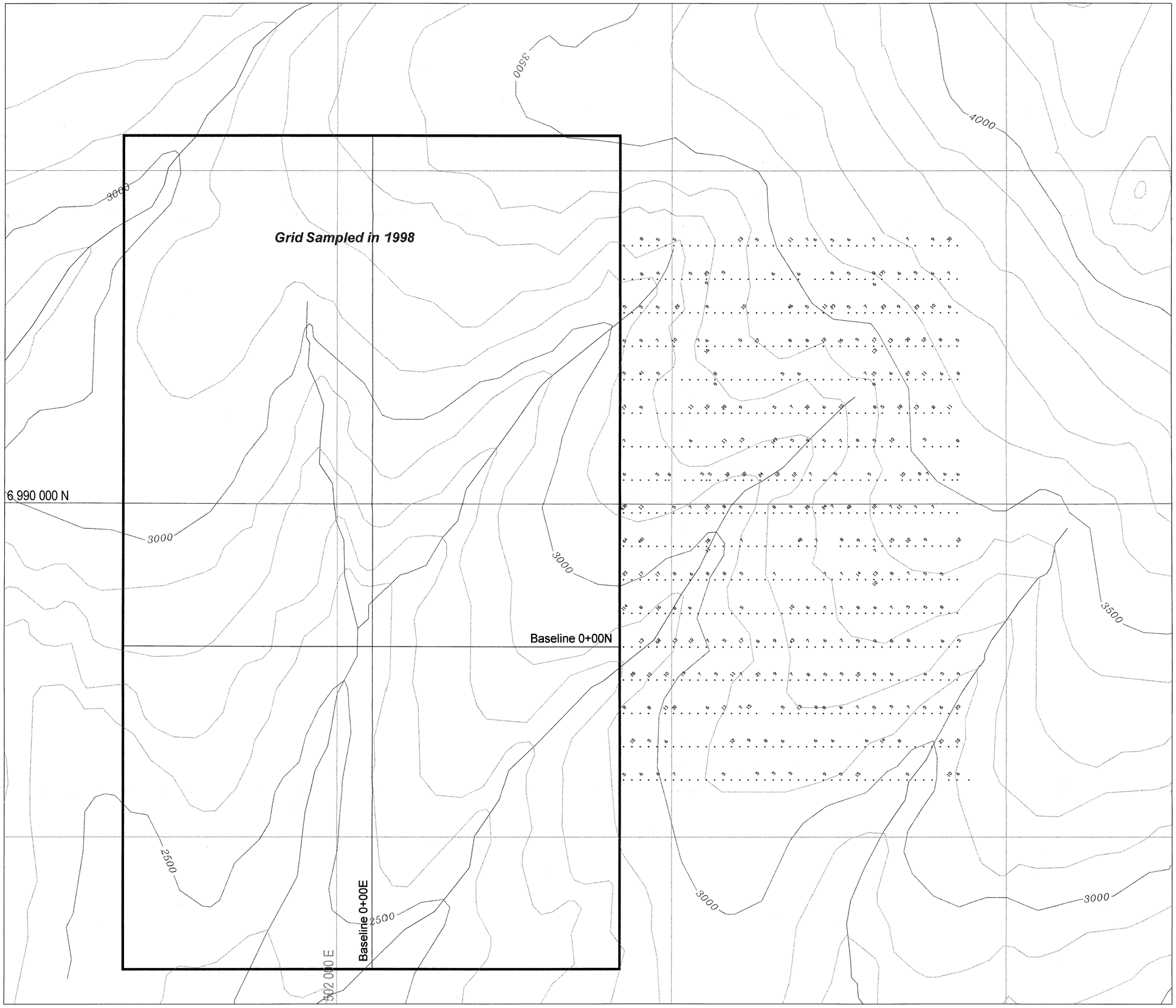
BARRAMUNDI GOLD • LTD

LONGLINE PROJECT
GRID EXTENSION
SAMPLE LOCATIONS

Plate 6	Scale 1 : 5,000

094 A 27

YUKON ENERGY, MINES & RESOURCES LIBRARY
PO BOX 2703
WHITEHORSE, YUKON Y1A 2C6



Soil Sample Location

Au in soils (ppb)

Notes

- not all sample numbers posted; generally only every fifth number posted unless samples are not contiguous.

- samples below detection limit are not posted.

FEET
0 1000 3000 5000

METRES
0 500 1000 2000

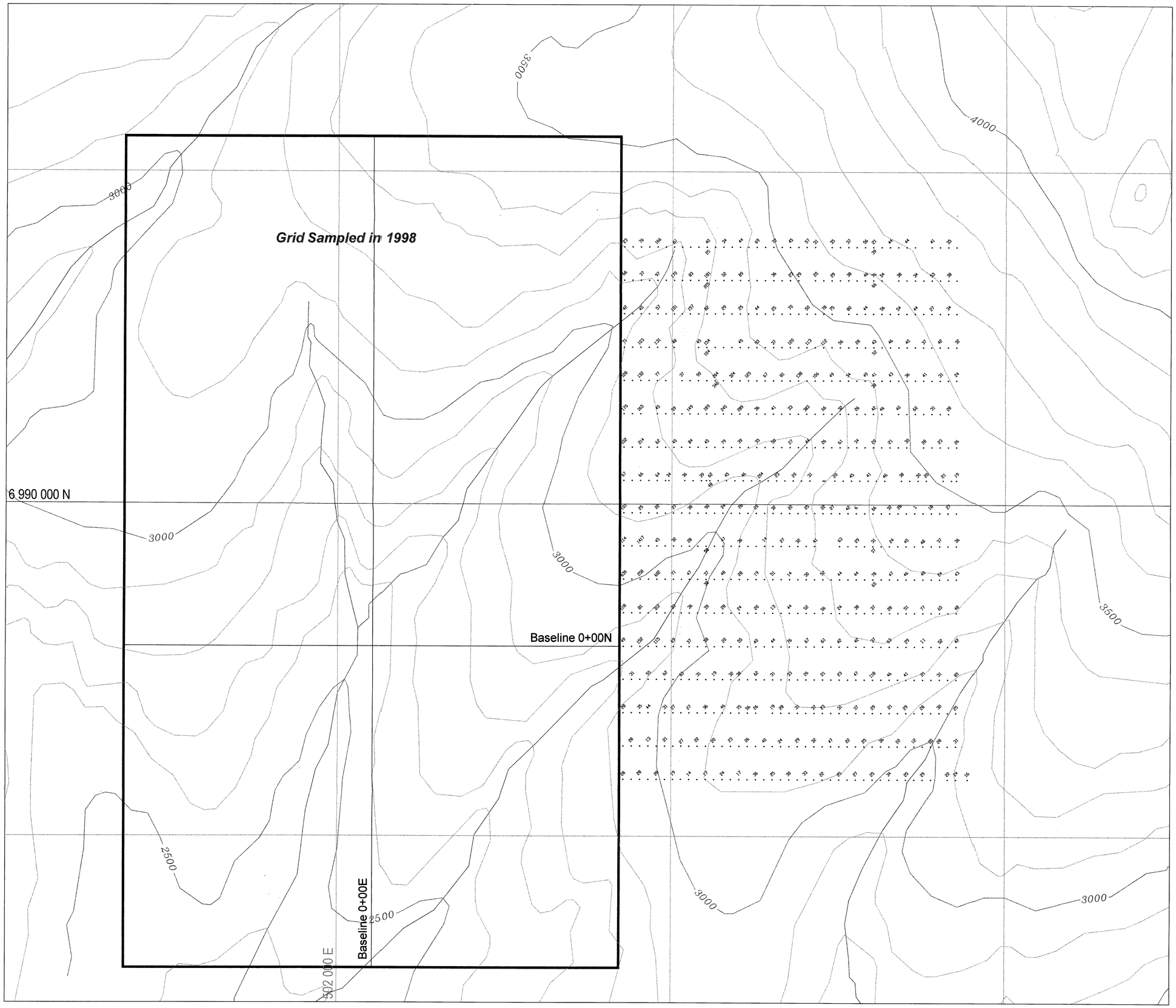
BARRAMUNDI
GOLD • LTD

LONGLINE PROJECT
GRID EXTENSION
GOLD IN SOILS

Plate 7	Scale 1 : 5,000

094027

YUKON ENERGY, MINES & RESOURCES LIBRARY
PO BOX 2703
WHITEHORSE, YUKON Y1A 2C6



Soil Sample Location

19

As in soils (ppm)

Notes

- not all sample numbers posted; generally only every fifth number posted unless samples are not contiguous.

- samples below detection limit are not posted.

FEET

0 1000 3000 5000

METRES

0 500 1000 2000

BARRAMUNDI

GOLD • LTD

LONGLINE PROJECT

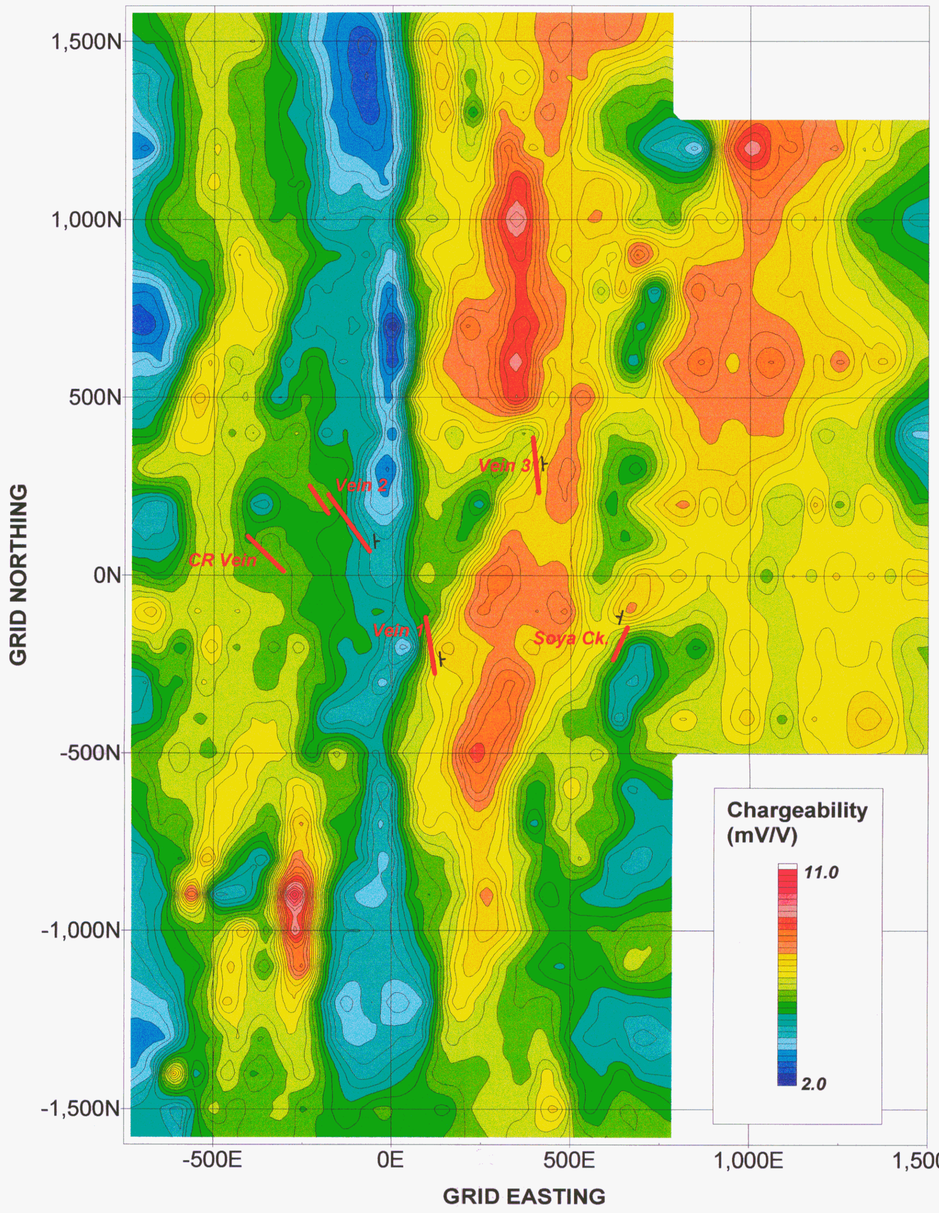
GRID EXTENSION

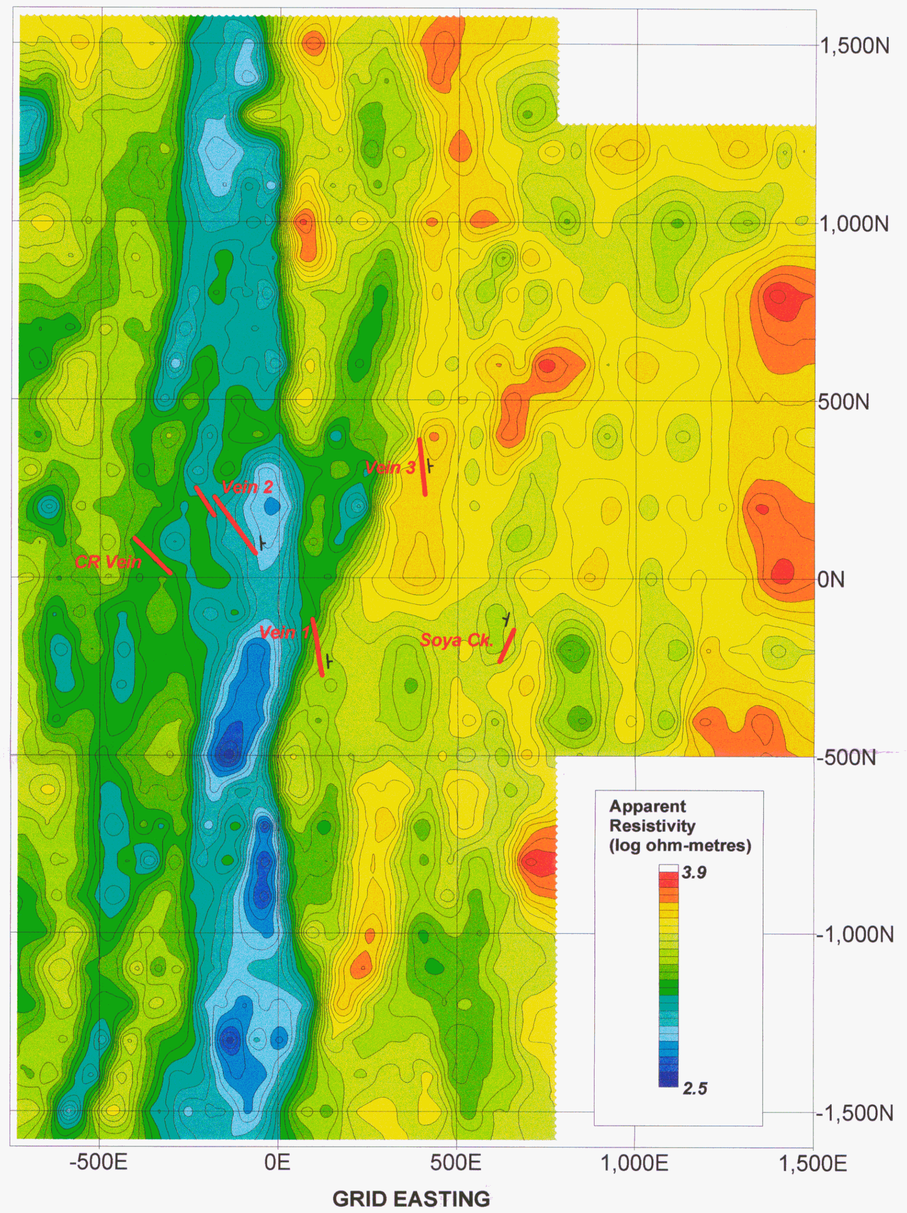
ARSENIC IN SOILS

Plate 8	Scale 1 : 5,000

YUKON ENERGY, MINES & RESOURCES LIBRARY
P.O. BOX 2703
WHITEHORSE, YUKON Y1A 2C6

094 027





metres
0 100 200 300 400 500

Scale 1 : 10,000

BARRAMUNDI GOLD·LTD

Longline Property

Detailed Grid Geophysics
Apparent resistivity and Chargeability
(Based on smoothed data)

Plate 9 — Hugh Rutter, July 1999

YUKON ENERGY, MINES
& RESOURCES LIBRARY
P.O. BOX 2703
WHITEHORSE, YUKON Y1A 2C6