LINECUTTING, PROSPECTING,

GEOCHEMICAL AND GEOPHYSICAL REPORT

on the

FYRE LAKE PROPERTY

Watson Lake Mining District
Yukon Territory, Canada

Latitude: 61° 14' North Longitude: 130° 30' West
N.T.S. 105 G/1,2,7,8

Mineral Claims:

KONA 43 to 46	**FIRE 1 to 214**	**DUB 1 to 20**
DUB 23 to 70	**EDY 1 to 24**	**EDY 111 to 112**

Work Period: June 15 to November 30, 1996

- Prepared For -

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December 31, 1996

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SUMMARY

Columbia Gold Mines Ltd. has an option to acquire control of the Fyre Lake copper-cobalt-gold (zinc, silver) property which was known as the 'Dub' when it was explored in the 1960's or the 'Kona' in early 1990's. The property is located immediately east of Fire (formerly 'Fyre') Lake within the North River drainage, approximately 160 kilometres northwest of Watson Lake, 140 kilometres southeast of Ross River, or 250 kilometres east of Whitehorse, in southeastern Yukon Territory, Canada. Its geographic coordinates are centred at latitude 61° 14' North by longitude 130° 30' West (N.T.S. 105 G/1,2,7,8) in the Watson Lake Mining District. The Cominco Ltd. 'Kudz Ze Kayah' and Atna Resources Ltd.-Westmin Resources Ltd. 'Wolverine' volcanogenic massive sulphide deposits are situated approximately 30 kilometres north and 30 kilometres northeast of the property respectively.

The property is readily accessible year-round by float- or ski-mounted fixed wing aircraft, or by helicopter. Charter fixed wing aircraft are available in Watson Lake, Whitehorse and Ross River, and a variety light- and medium-lift helicopters are available for charter from several companies with permanent bases in Ross River, Watson Lake and/or Whitehorse, Yukon Territory.

The claim holdings cover approximately 60 square kilometres and comprise 312 Yukon Quartz Mining Act mineral claims. The four 'KONA 43' to 'KONA 46' mineral claims were originally staked in 1980 by Welcome North Mines Ltd., and the 'FIRE 1' to 'FIRE 192' mineral claims were originally staked in 1990 and 1991 by Placer Dome Exploration Limited. These claims were subsequently transferred to Welcome Opportunities Ltd. and are the subject to a 1995 Letter of Agreement between Columbia Gold Mines Ltd. and Welcome Opportunities Ltd. Columbia Gold Mines Ltd. may earn an eighty percent interest in the property by completing exploration expenditures of CAN $6.0 million over the next five years. Welcome Opportunities Ltd. may then elect to complete final feasibility, provide production financing and place the property into production to increase its interest from twenty to fifty-five percent. Columbia Gold Mines Ltd. would then have a forty-five percent carried and non-assessable interest.

In February, 1996 Columbia Gold Mines Ltd. staked the 'DUB 1' to 'DUB 70', 'EDY 1' to 'EDY 24' and 'EDY 111' and 'EDY 112' mineral claims along the eastern side of the North River, southeast of Fire Lake, to cover a coincidental airborne magnetics and electromagnetics anomaly. Later, in July and August 1966, Columbia Gold Mines Ltd. staked the 'FIRE 193' to 'FIRE 214' mineral claims along the eastern shore of Fire Lake.

The property is situated regionally within the Yukon Plateau physiographic region in the Simpson Range of the eastern Pelly Mountains, approximately five kilometres northeast of the Tintina Trench. The topographic relief is moderate to locally high with elevations ranging from 1,100 m at Fire Lake to 1,900 m along the eastern ridge crests. Bedrock exposures are generally absent in areas of low to even moderate relief; often limited to stream canyons, ridges and cliffs due to an extensive glacial till cover.

Since 1960 the Fyre Lake mineral showings have been explored by Cassiar Asbestos (1960-61), Atlas Explorations Ltd. (1966-67), Amax Potash Limited (1976), Welcome North Mines Ltd. (1980-81) and Placer Dome Exploration Limited (1990-91). In September, 1960 prospectors of Cassiar Asbestos Corp. discovered a 2- by 2.5 metre boulder of massive sulphide mineralization on a glacial esker near the south end of Fire Lake. This discovery was quickly followed by the discovery of massive pyrite, chalcopyrite and sphalerite mineralization cropping out in Kona Creek, called the 'E' zone. After staking their 'TOP' mineral claims, Cassiar Asbestos Corp. explored their claim holdings in 1960 and 1961 with prospecting, geological and geophysical surveying, trenching, and twenty-three packsack and twelve AX-core diamond drill holes. In 1966 Atlas Explorations Ltd. staked the 'DUB' mineral claims and over a two-year period explored their claim holdings with airborne and ground geophysical surveying, soil geochemical sampling and AX-core diamond drilling. Amax Potash staked the 'FYRE' mineral claims in 1976 and conducted prospecting and limited geological mapping with rock geochemical sampling over the 'E' zone and adjacent areas. Welcome North Mines staked the 'KONA' mineral claims in 1980, and extended the soil

sampling coverage with limited detailed geological mapping. Placer Dome Exploration Limited optioned the KONA mineral claims from Welcome North Mines, conducted an airborne geophysical survey of the area, and staked 184 'FIRE' mineral claims in 1990. During the 1991 field season Placer Dome staked the 'FIRE 185' to 'FIRE 192' mineral claims and conducted geological, geochemical and geophysical surveys over the known mineral showings and along the eastern slopes of Fire Lake.

The Fyre Lake property is regionally underlain by an Early Paleozoic metamorphosed volcano-sedimentary assemblage within the Yukon-Tanana Terrane. The Yukon-Tanana Terrane is an exotic terrane that was accreted to the North American continent and was in place by Late Triassic time. In the Fire Lake region the Yukon-Tanana Terrane is bounded to the southwest by the Tintina Fault and to the northeast by the Finlayson Lake Fault zone (Mortensen, 1985). This terrane hosts several known volcanogenic massive sulphide deposits and occurrences, including 'Kudz Ze Kayah' and 'Wolverine', and the terrane is currently receiving intense exploration by a number of mineral exploration companies.

The claim holdings are underlain by a sequence of metamorphosed sedimentary rocks with a complex metamorphosed volcanic assemblage, part of the Layered Metamorphic Sequence of the Yukon-Tanana Terrane (Mortensen, 1985; Tempelman-Kluit et al, 1977). The Layered Metamorphic Sequence comprises three units; lower and upper metasedimentary units separated by an interlayered metamorphosed volcanic-sedimentary middle unit. Lower member metasedimentary rocks crop out predominantly along the western side of the property and a belt of metamorphosed mafic volcanic and carbonaceous clastic sedimentary rocks of the middle member underlie the centre of the property. The eastern portion of the property contains a thin wedge of upper unit metasedimentary rocks which is overthrust by the Late Devonian to Late Pennsylvanian-Early Permian Slide Mountain Terrane (Anvil-Campbell Allochthonous Assemblage).

Volcanogenic massive sulphide, oxide and silicate-hosted mineralization crops out and occurs in float boulder trains over a six kilometre distance. This mineralization is hosted by stratiform volcanogenic iron formation horizons that occur within an interlayered sequence of metamorphosed Late Devonian mafic flows and volcaniclastics and volcanically-derived fine-grained sedimentary rocks. The general geologic setting and style of the mineralization is analogous to a 'Besshi-type' volcanogenic deposit (Morin, 1981). Other 'Besshi-type' volcanogenic deposits in the northern Cordillera include Windy Craggy and Granduc in British Columbia, and Greens Creek in Alaska (McMillan *et al.*, 1991).

Detailed diamond drilling undertaken during the 1996 exploration program discovered three distinct horizons of massive to semi-massive sulphide and magnetite mineralization hosting significant copper-cobalt-gold (± zinc, silver) values over a combined thickness of 70 to 80 metres, a continuous strike length of more than 1,000 metres and widths in excess of 100 metres. This mineralization, called the 'Central Kona' zone, is dominantly hosted within the upper section of the chlorite-actinolite-quartz schist unit and immediately beneath the chlorite-actinolite-quartz schist and phyllite stratigraphic contact.

Prospecting work during the drilling program discovered two new mineralized showings and a mineralized boulder train within the Kona Creek cirque area. One new mineral showing of copper-, gold and silver-bearing volcanogenic massive sulphide mineralization is situated approximately 150 m east of the north fork of Kona Creek. The second massive magnetite showing is situated south of Kona Creek, approximately 350 to 400 m west of the confluence of the north and south forks of the creek. The mineralized boulder train is situated near the southwestern corner of the Kona grid. Many of the float boulders have massive and semi-massive pyrite, pyrrhotite, chalcopyrite and/or sphalerite mineralization hosted by chlorite schist, typical of the known mineralization.

Soil geochemical sampling within the Kona grid area delineated a series of copper- and cobalt-in-soil anomalies with elevated zinc-in-soil values along and immediately west (i.e. downslope) of the trend of ground magnetic and HLEM geophysical anomalies from the volcanogenic massive sulphide mineral showings at the headwaters of Kona Creek north-northwesterly to the northern ridge of the cirque. Soil geochemical values appear to decrease northward from the north fork of Kona Creek; possibly reflecting

alpine glacial transport, more chert-hosted mineralization, and/or deeper overburden. Other coincident copper-, cobalt-, and/or zinc-in-soil geochemical anomalies occur east and west of the main geochemical-geophysical trend indicating other possible mineralized horizons.

The ground magnetic and HLEM geophysical surveys within the Kona grid delineated an extensive 1,800-metre long, northwest-southeast trending structure interpreted to be the strike extensions of the Central Kona zone mineralization. The geophysical signature of the mineralization is a dipolar magnetic response (i.e. rapid increase from extreme low to extreme high) with the electromagnetic conductor being associated with the magnetic highs. In the northwestern portion of the surveyed area the electromagnetic conductor is associated with magnetic highs scattered along the same trend from grid coordinates 112900 N by 14700 E to 11220 N by 15150 E. South of grid line 112250 N, the magnetic response is more intense; indicative of a near-surface source along the axis of the structure. From 111700 N by 15500 E to 111400 N by 15650 E, in the vicinity of the known mineralization, the HLEM conductor shows a strong response coinciding with a sharp increase in the magnetic response from about 6500nT on the northeast side of the conductor to over 9000nT southwest of the conductor (Klit, 1996).

The Kona zone has been explored by airborne and ground magnetometer and electromagnetic surveys, soil and rock geochemical sampling, reconnaissance geological mapping, and local detailed diamond drilling. Along the 1.8-kilometre trend of coincident geophysical and geochemical anomalies, the drill-tested mineralization generally strikes north-northwesterly and is flat to moderately eastward dipping.

The Lake exploration target is reflected by several subparallel coincident geophysical and soil geochemical anomalies over a strike length of 3 kilometres between the east shore of Fire Lake and the 1,200- to 1,300-metre elevation contours, centred near the south end of the lake. This area has been well surveyed and has a similar geologic setting to that of the Kona zone, but it has only tested with three vertical AX-core diamond drill holes (Atlas Explorations, 1967).

The Dub exploration target is situated immediately east of the base line of the survey control grid from 101300 to 104300 N, a strike length of 3.2 km. This target is comprised of coincident ground and airborne magnetic, HLEM and local soil geochemical anomalies. Prospecting and reconnaissance geological mapping along the length of this target failed to locate geological evidence of any mineralized lithological or structural host, largely because of an extensive and deep overburden cover.

The Fyre Lake property has very good exploration potential worthy of immediate detailed diamond drilling while property-wide geological, geochemical and geophysical surveying work is being conducted.

RECOMMENDATIONS

It is recommended that the economic potential of the Kona zone, and the exploration potentials of the Lake and Dub zones be evaluated with NQ-core diamond drilling. Property-wide geological, geochemical and geophysical surveying should be continued to fully evaluate the mineral claim holdings.

The Kona zone covers most of the known mineral occurrences within and north of the Kona Creek cirque, and diamond drilling is warranted to continue evaluating the known mineralization and explore the strike and dip extensions of that mineralization.

Both the Lake and Dub zones cover a number of coincident geophysical and soil geochemical anomalies over strike lengths of 3 and 3.2 kilometres respectively. Exploratory diamond drilling will be required to determine the sources of the delineated anomalies and assess their exploration potentials.

INTRODUCTION

Columbia Gold Mines Ltd. has an option to acquire control of the Fyre Lake volcanogenic massive sulphide copper-cobalt-gold (zinc, silver) property; subject to the terms and conditions of a 1995 Letter of Agreement with Welcome Opportunities Ltd. The property is comprised of 312 Yukon Quartz mineral claims situated immediately east of Fire (formerly 'Fyre') Lake in the Watson Lake Mining District of southeastern Yukon Territory, Canada. The Cominco Ltd. 'Kudz Ze Kayah' and Atna Resources Ltd.-Westmin Resources Ltd. 'Wolverine' volcanogenic massive sulphide deposits are situated approximately 30 kilometres north and 30 kilometres northeast of the property respectively.

In September, 1960 prospectors of Cassiar Asbestos Corp. discovered a large boulder of massive sulphide mineralization on a glacial esker near the south end of Fire Lake. This discovery was quickly followed by the discovery of in-situ massive pyrite mineralization in Kona Creek, called the 'E' zone. Since 1960 the Fyre Lake (formerly 'Dub' or 'Kona') mineral showings have been explored by Cassiar Asbestos (1960-61), Atlas Explorations Ltd. (1966-67), Amax Potash Limited (1976), Welcome North Mines Ltd. (1980-81) and Placer Dome Inc. (1990-91). The results of this exploration work indicated that there are mineral showings, coincident soil geochemical and geophysical anomalies, and massive sulphide float boulders spatially-associated with several stratiform iron formation horizons. Within the Kona Creek cirque the mineralized iron formations are hosted by metamorphosed Late Devonian mafic volcanic and volcaniclastic rocks and have inferred surface traces over 3.2 kilometres. Mineral occurrences and float showings were mapped over 1.8 kilometres but only a 1,000-metre long by 200-metre wide area has received detailed diamond drilling.

From June 15 to October 9, 1996 Columbia Gold Mines Ltd. conducted a comprehensive helicopter-supported exploration program to evaluate the exploration potential of the Fyre Lake property. A portion of this exploration work which are the subjects of this property assessment report included:

a) establishing topographic control within the property for subsequent linecutting and diamond drilling;

b) establishing three survey control grids, totalling 150.80 line-kilometres, over the 'KONA', 'LAKE' and 'DUB' exploration target areas;

c) prospecting within and adjacent to the three survey control grids;

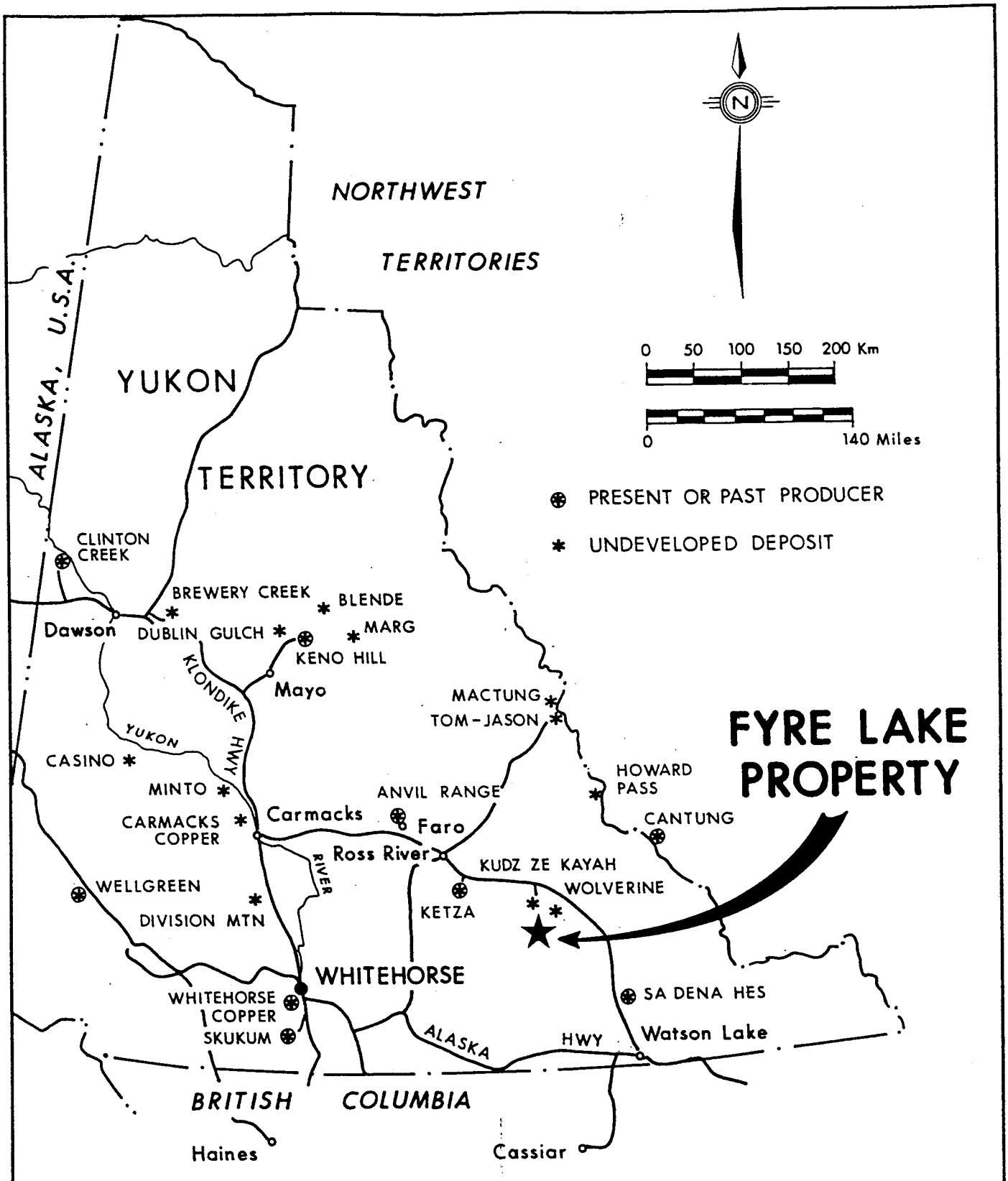
d) collecting and analyzing 2,256 soil geochemical samples for 31-elements by I.C.P. methods;

e) collecting and analyzing 17 rock geochemical samples (8 samples for gold (F.A./A.A.) plus 31-element I.C.P. analysis and 9 samples for copper, cobalt, zinc, silver and gold assays) ;

f) conducting 142.70 line-kilometres of combined ground magnetics and horizontal loop (MaxMin) electromagnetics geophysical surveying; and

g) preparing this report and accompanying plans and maps.

This report and accompanying plans and data document the results of the 1996 linecutting, prospecting, and geochemical and geophysical surveys. The report also contains a 'Statement of 1996 Exploration Expenditures' for the field work that was conducted the subject property and for the preparation of this report. Mr. J. Douglas Blanchflower is a qualified and experienced consulting geologist employed by Minorex Consulting Ltd. of Delta, B.C. He was contracted by Columbia Gold Mines Ltd. to supervise and manage the field exploration work and co-author this report. Mr. John Deighton is a qualified and experienced geologist employed by J. S. Brock Limited of Vancouver, B.C. which provides field and administrative services to Columbia Gold Mines Ltd.



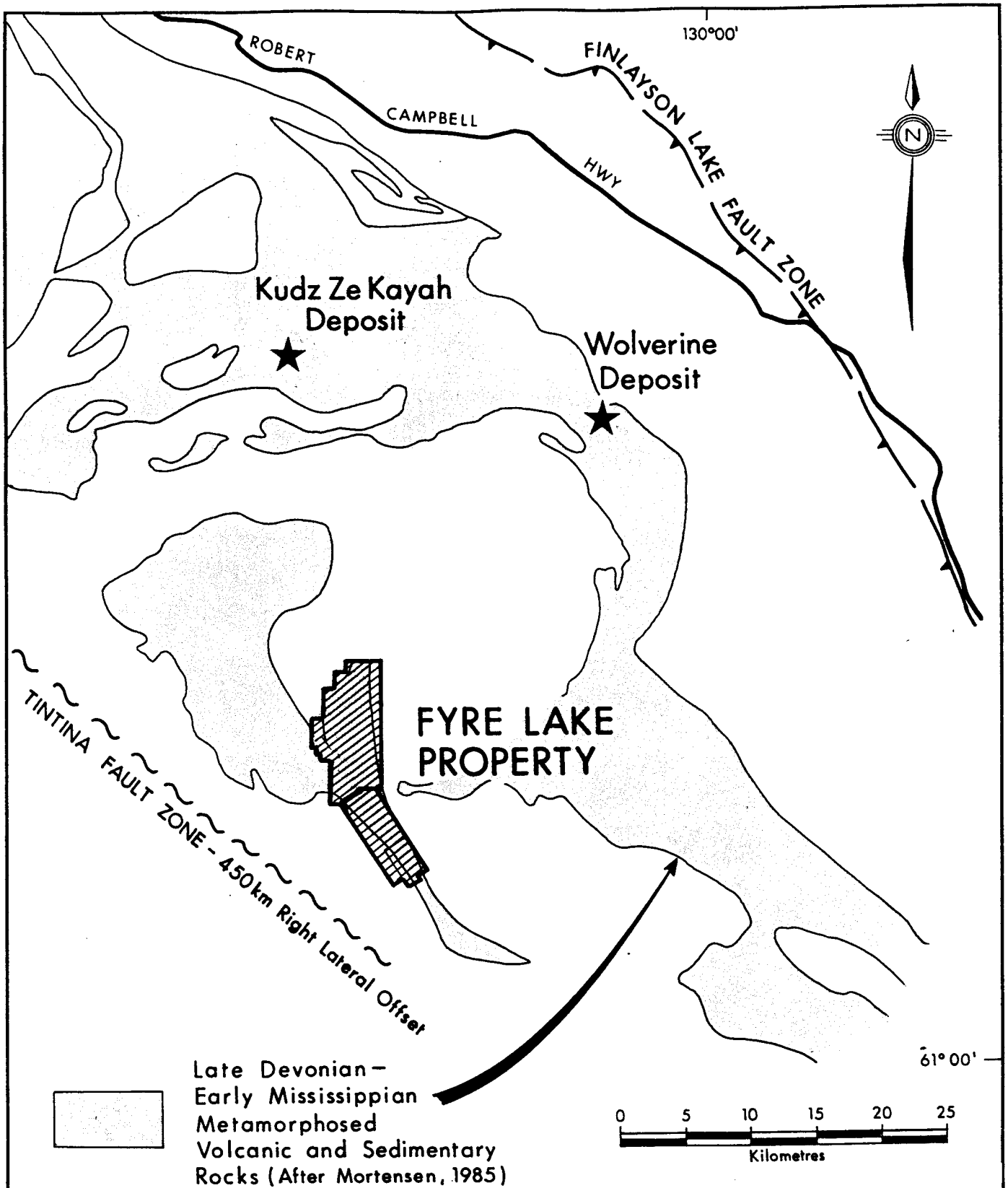
To Accompany Report By J. D. Blanchflower, P. Geo.
J. R. Deighton, P. Geo.

COLUMBIA GOLD MINES LTD.
Vancouver, British Columbia

LOCATION MAP

FYRE LAKE PROPERTY
Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.	Scale: As Shown
Date: Dec., 1996	Figure No. 1



COLUMBIA GOLD MINES LTD.
Vancouver, British Columbia

REGIONAL MAP

FYRE LAKE PROPERTY
Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.	Scale: As Shown
Date: Dec., 1996	Figure No. 2

To Accompany Report By J. D. Blanchflower, P. Geo.
J.R. Deighton, P. Geo.

GENERAL DESCRIPTION

Location and Access

The Fyre Lake property is located immediately east of Fire (formerly 'Fyre') Lake within the North River drainage, approximately 160 kilometres northwest of Watson Lake, 140 kilometres southeast of Ross River, or 250 kilometres east of Whitehorse, in Ross River-Finlayson Lake area of southeastern Yukon Territory, Canada. Its geographic coordinates are centred at latitude 61° 14' North by longitude 130° 30' West (N.T.S. 105 G/1,2,7,8) in the Watson Lake Mining District.

The property is readily accessible year-round with fixed wing aircraft, or helicopter support. Fire Lake is five miles long with excellent approaches that could be utilized by a variety of float- or ski-mounted fixed wing aircraft throughout the year. Charter fixed wing aircraft are available in Watson Lake, Whitehorse, and from Finlayson Lake near the Robert Campbell Highway. A variety light- and medium-lift helicopters are available for charter from several companies with permanent bases in Ross River, Watson Lake and/or Whitehorse (see Figures 1 and 2).

Property and Ownership

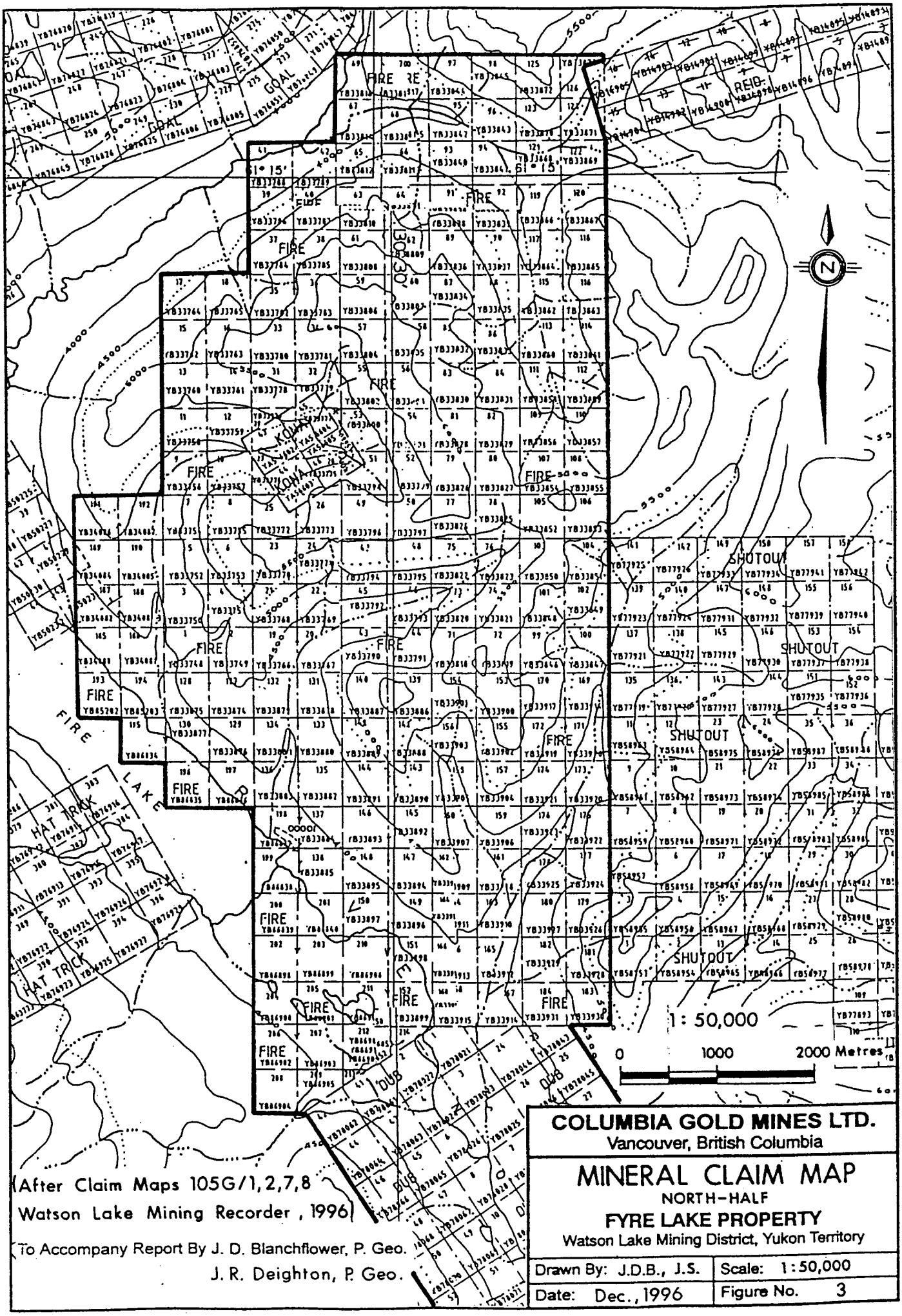
The subject property covers approximately 60 square kilometres and is comprised of 312 Yukon Quartz mineral claims; all located in the Watson Lake Mining District. The four 'KONA 43' to 'KONA 46' mineral claims were originally staked in 1980 by Welcome North Mines Ltd. The 'FIRE 1' to 'FIRE 184' and 'FIRE 185' to 'FIRE 192' mineral claims were staked in 1990 and 1991 by Placer Dome Exploration Limited and subsequently transferred to Welcome Opportunities Ltd. of Vancouver, British Columbia. Subject to a 1995 Letter of Agreement, Columbia Gold Mines Ltd. has an option to purchase a majority interest in these claims from Welcome Opportunities Ltd. The Letter of Agreement allows Columbia Gold Mines Ltd. to earn an eighty percent (80%) interest in the property by completing exploration expenditures of CAN $6.0 million over the next five years. Welcome Opportunities Ltd. may then elect to complete final feasibility, provide production financing and place the property into production to increase its interest from twenty percent (20%) to fifty-five percent (55%). Columbia Gold Mines Ltd. would then have a forty-five percent (45%) carried and non-assessable interest.

The 'DUB 1' to 'DUB 70', 'EDY 1' to 'EDY 24' and 'EDY 111' and 'EDY 112' mineral claims were staked by Columbia Gold Mines Ltd. in February, 1996 to cover a southeasterly trend of coincident airborne geophysical anomalies. Later, in July and August 1966, Columbia Gold Mines Ltd. staked the twenty-two 'FIRE 192' to 'FIRE 214' mineral claims along the eastern shore of Fire Lake. Figure 3 shows the location and configuration of the mineral claims, and Table I documents the pertinent mineral claim data.

Physiography

The property is situated regionally within the Yukon Plateau physiographic region in the Simpson Range of the eastern Pelly Mountains, approximately five kilometres northeast of the Tintina Trench. The Fire Lake area has linear open valleys and high rolling to craggy ridges and mountains. Topographic relief is moderate to locally high with elevations ranging from 1,100 m (3,609 ft) at Fire Lake to 1,900 m (6,234 ft) A.M.S.L. along the eastern ridge crests. A 2,351-metre high peak situated six kilometres north of the property is the highest mountain in the area. The various mineral showings are situated between elevations of 1,450 and 1,700 m A.M.S.L.

Fire Lake is situated midway along the southeasterly-flowing North River. To the northeast, there are two easterly trending hanging valleys and broad open cirques. The northern hanging valley within which most of the known mineral showings are situated is called 'Kona Creek' and the central valley is called 'Outfitters Creek'. The southern drainage which joins North River south of Fire Lake is not named.



(After Claim Maps 105G/1,2,7,8
Watson Lake Mining Recorder, 1996)

To Accompany Report By J. D. Blanchflower, P. Geo.
J. R. Deighton, P. Geo.

COLUMBIA GOLD MINES LTD.
Vancouver, British Columbia

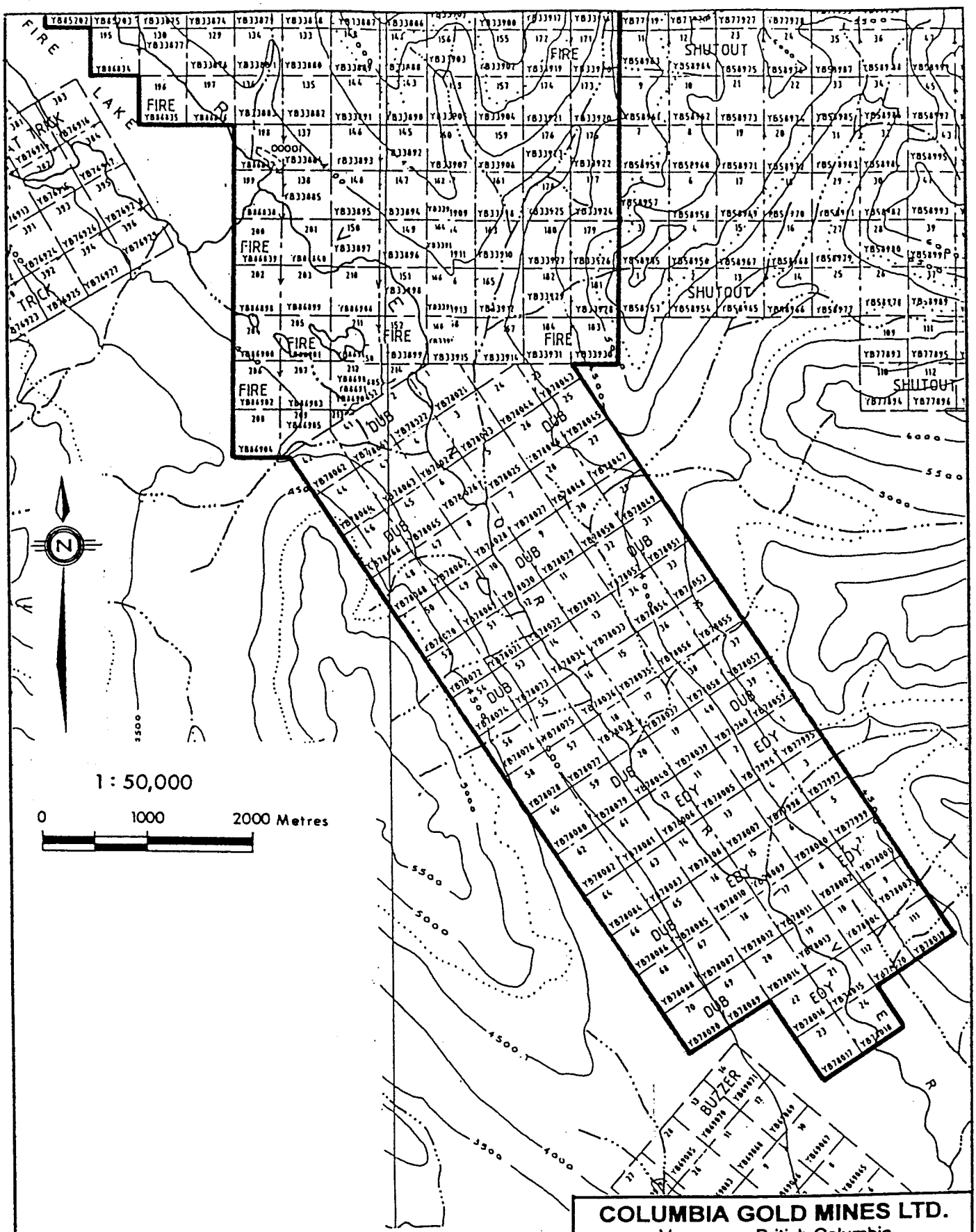
MINERAL CLAIM MAP

NORTH-HALF

FYRE LAKE PROPERTY

Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.	Scale: 1:50,000
Date: Dec., 1996	Figure No. 3



(After Claim Maps 105G/1,2,7,8
Watson Lake Mining Recorder, 1996)

To Accompany Report By J. D. Blanchflower, P. Geo.
J.R. Deighton, P. Geo.

COLUMBIA GOLD MINES LTD.
Vancouver, British Columbia

MINERAL CLAIM MAP

SOUTH-HALF

FYRE LAKE PROPERTY

Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.	Scale: 1:50,000
Date: Dec., 1996	Figure No. 4

TABLE I
MINERAL CLAIM DATA

Claim Name	NTS	Record Number	Record Date	Expiry Date	Registered Owner	Property Operator
KONA 43	105G/2	YB 56602	09-Sep-90	09-Sep-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
KONA 44	105G/2	YB 56603	09-Sep-90	09-Sep-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
KONA 45	105G/2	YB 56604	09-Sep-90	09-Sep-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
KONA 46	105G/2	YB 56605	09-Sep-90	09-Sep-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 1	105 G	YB 33748	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 2	105 G	YB 33749	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 3	105 G	YB 33750	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 4	105 G	YB 33751	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 5	105 G	YB 33752	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 6	105 G	YB 33753	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 7	105 G	YB 33754	31-Dec-90	31-Dec-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 8	105 G	YB 33755	31-Dec-90	31-Dec-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 9	105 G	YB 33756	31-Dec-90	31-Dec-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 10	105 G	YB 33757	31-Dec-90	31-Dec-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 11	105 G	YB 33758	31-Dec-90	31-Dec-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 12	105 G	YB 33759	31-Dec-90	31-Dec-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 13	105 G	YB 33760	31-Dec-90	31-Dec-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 14	105 G	YB 33761	31-Dec-90	31-Dec-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 15	105 G	YB 33762	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 16	105 G	YB 33763	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 17	105 G	YB 33764	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 18	105 G	YB 33765	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 19	105 G	YB 33766	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 20	105 G	YB 33767	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 21	105 G	YB 33768	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 22	105 G	YB 33769	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 23	105 G	YB 33770	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 24	105 G	YB 33771	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 25	105 G	YB 33772	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 26	105 G	YB 33773	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 27	105 G	YB 33774	31-Dec-90	31-Dec-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 28	105 G	YB 33775	31-Dec-90	31-Dec-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 29	105 G	YB 33776	31-Dec-90	31-Dec-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 30	105 G	YB 33777	31-Dec-90	31-Dec-01	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 31	105 G	YB 33778	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 32	105 G	YB 33779	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 33	105 G	YB 33780	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 34	105 G	YB 33781	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 35	105 G	YB 33782	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 36	105 G	YB 33783	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 37	105 G	YB 33784	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 38	105 G	YB 33785	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 39	105 G	YB 33786	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 40	105 G	YB 33787	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 41	105 G	YB 33788	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 42	105 G	YB 33789	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 43	105 G	YB 33790	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 44	105 G	YB 33791	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 45	105 G	YB 33792	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 46	105 G	YB 33793	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.

TABLE I
MINERAL CLAIM DATA

Claim Name	NTS	Record Number	Record Date	Expiry Date	Registered Owner	Property Operator
FIRE 47	105 G	YB 33794	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 48	105 G	YB 33795	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 49	105 G	YB 33796	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 50	105 G	YB 33797	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 51	105 G	YB 33798	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 52	105 G	YB 33799	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 53	105 G	YB 33800	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 54	105 G	YB 33801	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 55	105 G	YB 33802	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 56	105 G	YB 33803	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 57	105 G	YB 33804	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 58	105 G	YB 33805	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 59	105 G	YB 33806	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 60	105 G	YB 33807	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 61	105 G	YB 33808	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 62	105 G	YB 33809	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 63	105 G	YB 33810	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 64	105 G	YB 33811	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 65	105 G	YB 33812	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 66	105 G	YB 33813	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 67	105 G	YB 33814	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 68	105 G	YB 33815	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 69	105 G	YB 33816	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 70	105 G	YB 33817	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 71	105 G	YB 33818	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 72	105 G	YB 33819	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 73	105 G	YB 33820	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 74	105 G	YB 33821	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 75	105 G	YB 33822	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 76	105 G	YB 33823	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 77	105 G	YB 33824	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 78	105 G	YB 33825	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 79	105 G	YB 33826	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 80	105 G	YB 33827	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 81	105 G	YB 33828	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 82	105 G	YB 33829	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 83	105 G	YB 33830	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 84	105 G	YB 33831	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 85	105 G	YB 33832	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 86	105 G	YB 33833	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 87	105 G	YB 33834	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 88	105 G	YB 33835	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 89	105 G	YB 33836	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 90	105 G	YB 33837	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 91	105 G	YB 33838	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 92	105 G	YB 33839	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 93	105 G	YB 33840	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 94	105 G	YB 33841	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 95	105 G	YB 33842	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 96	105 G	YB 33843	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 97	105 G	YB 33844	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.

TABLE I
MINERAL CLAIM DATA

Claim Name	NTS	Record Number	Record Date	Expiry Date	Registered Owner	Property Operator
FIRE 98	105 G	YB 33845	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 99	105 G	YB 33846	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 100	105 G	YB 33847	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 101	105 G	YB 33848	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 102	105 G	YB 33849	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 103	105 G	YB 33850	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 104	105 G	YB 33851	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 105	105 G	YB 33852	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 106	105 G	YB 33853	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 107	105 G	YB 33854	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 108	105 G	YB 33855	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 109	105 G	YB 33856	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 110	105 G	YB 33857	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 111	105 G	YB 33858	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 112	105 G	YB 33859	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 113	105 G	YB 33860	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 114	105 G	YB 33861	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 115	105 G	YB 33862	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 116	105 G	YB 33863	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 117	105 G	YB 33864	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 118	105 G	YB 33865	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 119	105 G	YB 33866	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 120	105 G	YB 33867	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 121	105 G	YB 33868	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 122	105 G	YB 33869	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 123	105 G	YB 33870	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 124	105 G	YB 33871	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 125	105 G	YB 33872	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 126	105 G	YB 33873	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 127	105 G	YB 33874	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 128	105 G	YB 33875	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 129	105 G	YB 33876	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 130	105 G	YB 33877	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 131	105 G	YB 33878	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 132	105 G	YB 33879	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 133	105 G	YB 33880	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 134	105 G	YB 33881	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 135	105 G	YB 33882	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 136	105 G	YB 33883	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 137	105 G	YB 33884	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 138	105 G	YB 33885	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 139	105 G	YB 33886	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 140	105 G	YB 33887	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 141	105 G	YB 33888	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 142	105 G	YB 33889	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 143	105 G	YB 33890	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 144	105 G	YB 33891	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 145	105 G	YB 33892	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 146	105 G	YB 33893	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 147	105 G	YB 33894	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 148	105 G	YB 33895	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.

TABLE I
MINERAL CLAIM DATA

Claim Name	NTS	Record Number	Record Date	Expiry Date	Registered Owner	Property Operator
FIRE 149	105 G	YB 33896	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 150	105 G	YB 33897	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 151	105 G	YB 33898	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 152	105 G	YB 33899	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 153	105 G	YB 33900	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 154	105 G	YB 33901	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 155	105 G	YB 33902	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 156	105 G	YB 33903	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 157	105 G	YB 33904	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 158	105 G	YB 33905	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 159	105 G	YB 33906	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 160	105 G	YB 33907	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 161	105 G	YB 33908	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 162	105 G	YB 33909	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 163	105 G	YB 33910	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 164	105 G	YB 33911	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 165	105 G	YB 33912	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 166	105 G	YB 33913	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 167	105 G	YB 33914	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 168	105 G	YB 33915	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 169	105 G	YB 33916	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 170	105 G	YB 33917	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 171	105 G	YB 33918	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 172	105 G	YB 33919	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 173	105 G	YB 33920	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 174	105 G	YB 33921	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 175	105 G	YB 33922	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 176	105 G	YB 33923	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 177	105 G	YB 33924	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 178	105 G	YB 33925	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 179	105 G	YB 33926	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 180	105 G	YB 33927	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 181	105 G	YB 33928	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 182	105 G	YB 33929	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 183	105 G	YB 33930	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 184	105 G	YB 33931	31-Dec-90	31-Dec-96	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 185	105 G/2	YB 34080	10-Jul-91	10-Jul-97	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 186	105 G/2	YB 34081	10-Jul-91	10-Jul-97	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 187	105 G/2	YB 34082	10-Jul-91	10-Jul-97	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 188	105 G/2	YB 34083	10-Jul-91	10-Jul-97	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 189	105 G/2	YB 34084	10-Jul-91	10-Jul-97	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 190	105 G/2	YB 34085	10-Jul-91	10-Jul-97	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 191	105 G/2	YB 34086	10-Jul-91	10-Jul-97	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 192	105 G/2	YB 34087	10-Jul-91	10-Jul-97	Welcome North Resources Inc.	Columbia Gold Mines Ltd.
FIRE 193	105 G/2	YB 85202	08-Jul-96	08-Jul-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 194	105 G/2	YB 85203	08-Jul-96	08-Jul-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 195	105 G/2	YB 86834	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 196	105 G/2	YB 86835	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.

TABLE I
MINERAL CLAIM DATA

Claim Name	NTS	Record Number	Record Date	Expiry Date	Registered Owner	Property Operator
FIRE 197	105 G/2	YB 86836	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 198	105 G/2	YB 86837	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 199	105 G/2	YB 86838	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 200	105 G/2	YB 86839	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 201	105 G/2	YB 86840	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 202	105 G/2	YB 86841	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 203	105 G/2	YB 86842	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 204	105 G/2	YB 86843	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 205	105 G/2	YB 86844	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 206	105 G/2	YB 86845	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 207	105 G/2	YB 86846	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 208	105 G/2	YB 86847	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 209	105 G/2	YB 86848	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 210	105 G/2	YB 86849	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 211	105 G/2	YB 86850	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 212	105 G/2	YB 86851	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 213	105 G/2	YB 86852	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
FIRE 214	105 G/2	YB 86853	14-Aug-96	14-Aug-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 1	105 G/2	YB 78021	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 2	105 G/2	YB 78022	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 3	105 G/2	YB 78023	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 4	105 G/2	YB 78024	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 5	105 G/2	YB 78025	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 6	105 G/2	YB 78026	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 7	105 G/2	YB 78027	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 8	105 G/2	YB 78028	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 9	105 G/2	YB 78029	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 10	105 G/2	YB 78030	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 11	105 G/2	YB 78031	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 12	105 G/2	YB 78032	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 13	105 G/2	YB 78033	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 14	105 G/2	YB 78034	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 15	105 G/2	YB 78035	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 16	105 G/2	YB 78036	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 17	105 G/2	YB 78037	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 18	105 G/2	YB 78038	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 19	105 G/2	YB 78039	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 20	105 G/2	YB 78040	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 23	105 G/2	YB 78043	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 24	105 G/2	YB 78044	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 25	105 G/2	YB 78045	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 26	105 G/2	YB 78046	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 27	105 G/2	YB 78047	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 28	105 G/2	YB 78048	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 29	105 G/2	YB 78049	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 30	105 G/2	YB 78050	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 31	105 G/2	YB 78051	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 32	105 G/2	YB 78052	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 33	105 G/2	YB 78053	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.

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MINERAL CLAIM DATA

Claim Name	NTS	Record Number	Record Date	Expiry Date	Registered Owner	Property Operator
DUB 34	105 G/2	YB 78054	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 35	105 G/2	YB 78055	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 36	105 G/2	YB 78056	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 37	105 G/2	YB 78057	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 38	105 G/2	YB 78058	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 39	105 G/2	YB 78059	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 40	105 G/2	YB 78060	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 41	105 G/2	YB 78061	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 42	105 G/2	YB 78062	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 43	105 G/2	YB 78063	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 44	105 G/2	YB 78064	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 45	105 G/2	YB 78065	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 46	105 G/2	YB 78066	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 47	105 G/2	YB 78067	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 48	105 G/2	YB 78068	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 49	105 G/2	YB 78069	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 50	105 G/2	YB 78070	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 51	105 G/2	YB 78071	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 52	105 G/2	YB 78072	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 53	105 G/2	YB 78073	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 54	105 G/2	YB 78074	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 55	105 G/2	YB 78075	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 56	105 G/2	YB 78076	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 57	105 G/2	YB 78077	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 58	105 G/2	YB 78078	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 59	105 G/2	YB 78079	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 60	105 G/2	YB 78080	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 61	105 G/2	YB 78081	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 62	105 G/2	YB 78082	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 63	105 G/2	YB 78083	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 64	105 G/2	YB 78084	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 65	105 G/2	YB 78085	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 66	105 G/2	YB 78086	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 67	105 G/2	YB 78087	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 68	105 G/2	YB 78088	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 69	105 G/2	YB 78089	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
DUB 70	105 G/2	YB 78090	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 1	105 G/2	YB 77995	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 2	105 G/2	YB 77996	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 3	105 G/2	YB 77997	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 4	105 G/2	YB 77998	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 5	105 G/2	YB 77999	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 6	105 G/2	YB 78000	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 7	105 G/2	YB 78001	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 8	105 G/2	YB 78002	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 9	105 G/2	YB 78003	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 10	105 G/2	YB 78004	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 11	105 G/2	YB 78005	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 12	105 G/2	YB 78006	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 13	105 G/2	YB 78007	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.

TABLE I
MINERAL CLAIM DATA

Claim Name	NTS	Record Number	Record Date	Expiry Date	Registered Owner	Property Operator
EDY 14	105 G/2	YB 78008	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 15	105 G/2	YB 78009	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 16	105 G/2	YB 78010	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 17	105 G/2	YB 78011	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 18	105 G/2	YB 78012	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 19	105 G/2	YB 78013	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 20	105 G/2	YB 78014	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 21	105 G/2	YB 78015	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 22	105 G/2	YB 78016	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 23	105 G/2	YB 78017	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 24	105 G/2	YB 78018	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 111	105 G/2	YB 78019	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.
EDY 112	105 G/2	YB 78020	01-Mar-96	01-Mar-97	Columbia Gold Mines Ltd.	Columbia Gold Mines Ltd.

Total Number of Mineral Claims 312

The annual mean daily temperature for the eastern Pelly mountains is -5° C. ranging from approximately -50° C. in January to 13° C. in July. Snow cover is minimal, averaging about 60 centimetres by late winter. Permafrost is discontinuous but widespread. Bedrock exposures are generally absent in areas of low to even moderate relief; often limited to stream canyons, ridges and cliffs due to an extensive glacial till cover.

Near Fire Lake a dense spruce forest extends to treeline at an elevation of 1,500 m. To the north, the dense vegetation becomes more open with buckbrush (dwarf birch) and eventually disappears to a caribou moss cover. Kona and Outfitters Creek drainages have sufficient flows of water for diamond drilling purposes until mid-October or later.

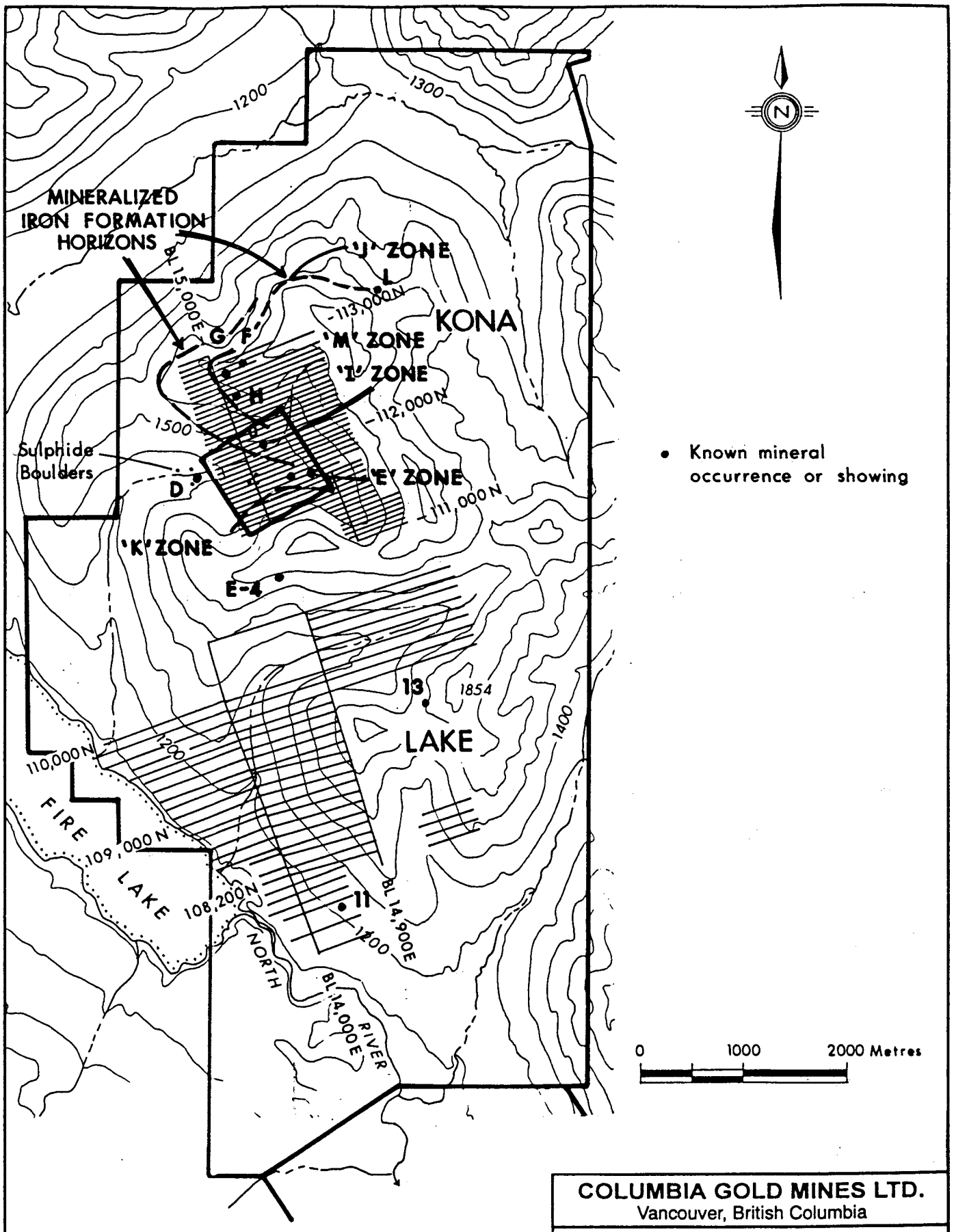
History

The Pelly Mountains were originally mapped by the Geological Survey of Canada in 1958 and 1959 and the results of this work were published as the 'Finlayson Lake' map-sheet in 1960 (Wheeler, Green and Roddick, 1960). In September, 1960 prospectors employed by Cassiar Asbestos Corporation discovered a 2.5 by 2.0-metre massive sulphide float boulder on a glacial esker near a guide/outfitter's cabin at the south end of Fire Lake. Shortly after, prospectors discovered massive pyrite mineralization exposed in Kona Creek; they called this showing the 'E' zone. During the fall and winter of 1960 Cassiar Asbestos staked the 'TOP' mineral claims covering the southwesterly facing slopes of Fire Lake. In 1961 Cassiar Asbestos explored their claim holdings with prospecting, geological mapping, geophysical surveys (electromagnetics and magnetics), trenching and drilling. The drilling comprised twenty-three shallow packsack drill holes, totalling 224 metres, and twelve AX-core diamond drill holes, totalling 582 metres. Most of their efforts were concentrated on assessing the 'E' and 'K' mineral showings where they reportedly encountered mineralization with an average grade of 1.0% copper, 0.95% zinc, 4.80 g.p.T. (0.14 o.p.t.) silver and 0.72 g.p.T. (0.021 o.p.t.) gold (Crawford, 1981).

In January 1966, Atlas Explorations Ltd. staked the 'DUB' mineral claims to cover the Fyre Lake mineral showings, and then conducted an airborne electromagnetic and magnetometer survey over the Kona Creek cirque and along the eastern slopes of Fire Lake and North River. Atlas Explorations identified two target areas, called 'DUB I' and 'DUB II', for ground surveying. A cut survey control grid, totalling 31.5 line-kilometres, was established over the northern 'DUB II' area, and electromagnetics (horizontal loop electromagnetic - HLEM) and magnetometer surveying with concurrent soil geochemical sampling for copper, lead and zinc were undertaken. Five diamond drill holes, totalling 589 metres, tested and extended the copper-bearing iron formation at 'I' and 'K' mineral showings which had been identified by earlier Cassiar Asbestos drilling. Intercepts of massive sulphide mineralization up to 12.2 metres thick are reported from this drilling (Sadlier-Brown, 1966). Selected drill core from three of the drill holes is stored at the Hugh Bostock Core Library in Whitehorse, Y.T. (Stroshein, 1991).

In 1967 Atlas Explorations explored the southern DUB I target area near the original massive sulphide float boulder discovery site. A 15.5 line-kilometre survey control grid was established, and the grid area was explored with horizontal loop electromagnetic (HLEM) and magnetometer surveying, soil geochemical sampling for copper lead and zinc, and diamond drilling (3 AX-core holes totalling 252 metres). The diamond drilling intersected disseminated pyrite and pyrrhotite mineralization but no significant base or precious metal mineralization (Sadlier-Brown, 1967).

Between 1974 and 1977 D. J. Tempelman-Kluit of the Geological Survey of Canada remapped and revised the regional geology of the Pelly Mountains (GSC Open File 486). As a consequence of this work, Amax Potash Limited restaked the Fyre Lake massive sulphide showings in 1976 and conducted a limited geological mapping and rock geochemical sampling program. Due to a lack of funding for the project the claims were allowed to lapse in 1977 (Crawford, 1981).



COLUMBIA GOLD MINES LTD.
Vancouver, British Columbia

MINERAL OCCURRENCE PLAN
NORTH-HALF
FYRE LAKE PROPERTY
Watson Lake Mining District, Yukon Territory

To Accompany Report By J. D. Blanchflower, P. Geo.
J.R. Deighton, P.Geo.

Drawn By: J.D.B., J.S.	Scale: 1:50,000
Date: Dec. , 1996	Figure No. 5

In late August and early September, 1980 Welcome North Mines Ltd. staked sixty-eight 'KONA' mineral claims covering the Fyre Lake massive sulphide showings, after they discovered disseminated copper mineralization in metamorphosed volcanic rocks approximately 2 kilometres north of the known mineral showings. This work was carried out as part of the Basin Joint Venture with Esperanza Explorations Ltd. Unfortunately an early snowfall and other work priorities prevented further exploration that year. In 1981 Welcome North extended the soil sampling coverage from the Kona cirque area (16.9 line-km survey grid, 255 soil samples for copper, lead and zinc) and completed a geological study of the mineral showings without additional geological mapping. According to Crawford (1981), the results of the Welcome North exploration work indicated that the known Fyre Lake mineralization is exposed in intermittent outcrops for 2.5 kilometres in a northwesterly direction. The mineralization is dominantly hosted by a cupriferous iron formation facies and varies in character from laminated massive pyrite (± chalcopyrite, sphalerite, quartz), through banded cupriferous iron formation (quartz, magnetite, chlorite, chalcopyrite, and/or sphalerite), to disseminated chalcopyrite and pyrite in greenschists. The mineralization occurs within the Nisutlin Allochthon in a dark green chlorite schist unit approximately 100 metres beneath its contact with an overlying quartz-sericite schist unit.

In 1981 J. Morin of the Geology Section, Department of Indian and Northern Affairs reported on a 1979-80 geological and geochemical study of the mineralization at Fire Lake and several other mineral showings in the district. According to Morin (1981), the Fyre Lake mineralization is characteristic of a 'Besshi-type' volcanogenic exhalative model.

Placer Dome Inc. optioned the KONA mineral claims from Welcome North Mines Ltd. on November 30, 1990 and staked the 'FIRE 1' to 'FIRE 184' mineral claims in December, 1990. Prior to signing the option agreement with Welcome North, Placer Dome contracted Dighem Surveys and Processing Inc. to carry out a helicopter-supported airborne survey of a 36-square kilometre area (308 flight line-kilometres) centred on the Fyre Lake mineral showings within the Kona Creek drainage. Dighem prepared a report with electromagnetics, total field magnetics, calculated vertical gradient, resistivity and Very Low Frequency electromagnetics interpretations and maps (Smith, 1990).

In 1991 Placer Dome conducted a surface exploration program, including: geological mapping, geophysical surveying (Apex MaxMin EM) and soil, silt and rock geochemical sampling, based upon the 1990 airborne geophysical survey results. Two survey control grids were established for the 1991 exploration work. Using the old Atlas Exploration baseline location and orientation (340°), Placer Dome contractors extended the baseline south-southeasterly from 10000 to 8200 North and cut east-northeasterly and west-southwesterly gridlines (070°-250°) covering the southwesterly-facing slopes between Outfitters Creek and the south end of Fire Lake, totalling 31.5 line-kilometres. For the northern survey control grid, Placer Dome contractors re-established portions of the old Atlas Explorations grid and cut five north-northwesterly gridlines over the 'M' zone showing, totalling 3.5 line-kilometres. Apex MaxMin EM-II surveying with a 100-metre coil separation and a ground magnetics survey were conducted over both grid areas. A total of 1,750 B- and C-horizon soil samples and 7 stream sediment samples were collected during the program, and these samples were analyzed for their gold content and a 27-element suite of base metal, pathfinder, trace and mineral forming elements. In addition, 112 rock geochemical samples were collected and analyzed for ten elements including precious and base metals.

The results of the 1991 exploration program by Placer Dome found that the Fyre Lake mineral showings are volcanogenic massive sulphide deposits hosted by metamorphosed and highly deformed Late Devonian volcanic rocks. Furthermore, the iron formations hosting the mineralization can be traced by airborne and ground geophysics and soil geochemistry for 1 kilometre southeast of the Kona Creek cirque; however, the property option agreement was terminated in 1992.

In November 1995 Columbia Gold Mines Ltd. negotiated an agreement with Welcome North Opportunities Ltd. to acquire the 'KONA' and 'FIRE' mineral claims, and in 1996 the Company staked mineral claims west and south of the claim holdings and conducted the exploration work documented by this report.

Geological Setting

The regional geology of the eastern Pelly Mountains has been the subject of several Geological Survey of Canada mapping projects including those of: J. O. Wheeler (1958, 1959), L. H. Green (1959) and J. A. Roddick (1959); G. Abbott (1974, 1976); S. P. Gordey (1975, 1976); and D. J. Tempelman-Kluit (1973-76). These geological works have been published by the Geological Survey of Canada as: G.S.C. Map 8-1960 (J. O. Wheeler *et al.*, 1960) and G.S.C. Open File 486 (D. J. Tempelman-Kluit, 1977). In 1985 J. A. Mortensen (1985) discussed the regional geological evidence from the eastern Pelly Mountains and related this evidence to the evolution of the Yukon-Tanana Terrane ("YTT").

The following text summarizes the geological works of D. J. Tempelman-Kluit (1977), J. A. Mortensen (1985) and R. W. Stroshein (1991). See Figure 6 of this report for the region geological setting of the property (after Mortensen, 1985).

Regional Geology

The Fyre Lake volcanogenic massive sulphide mineralization is hosted by an Early Paleozoic metamorphosed volcano-sedimentary assemblage within the YTT. The YTT is an exotic terrane that was accreted to the North American continent, in place by Late Triassic time. The YTT is regionally bounded to the southwest by the Tintina Fault and to the northeast by the Finlayson Lake Fault zone (Mortensen, 1985), and its lithologic units are strongly deformed and metamorphosed.

Several distinct lithologic packages have been identified in the region by various workers (Mortensen, 1985; Tempelman-Kluit, 1977):

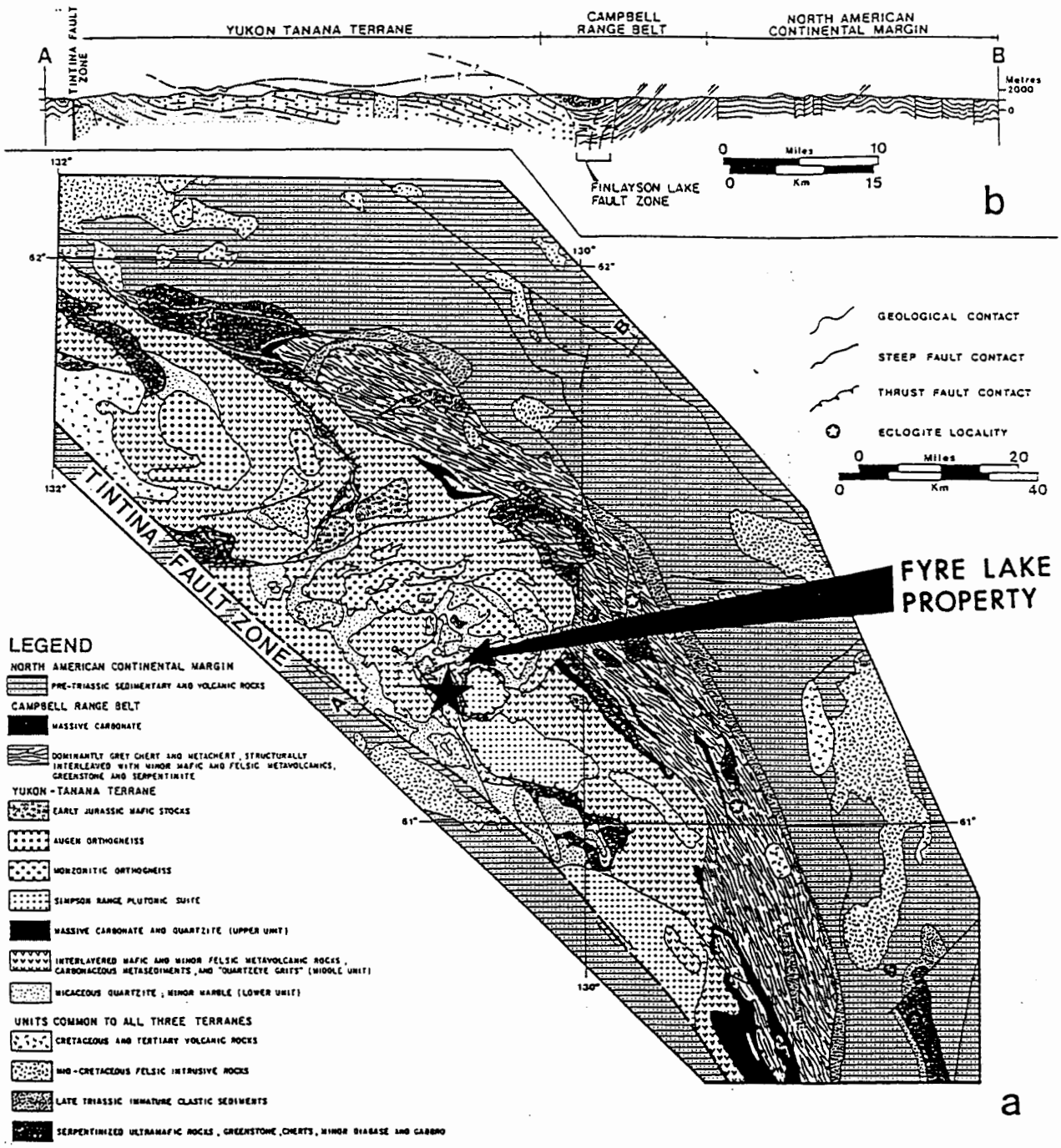
1) A penetratively deformed layered metamorphic sequence ("LMS") previously known as the Nasina Quartzite and Klondike Schist;

2) A group of Paleozoic plutonic and metaplutonic rocks;

3) A sheared mafic-ultramafic igneous assemblage; a dismembered ophiolite sequence mapped as the Anvil-Campbell Allochthon (Tempelman-Kluit, 1977) and now included in the Slide Mountain Terrane (Monger, 1984); and

4) Cretaceous to Tertiary volcanic/sub-volcanic and plutonic rocks.

The Fyre Lake property is underlain by the Early Paleozoic volcano-sedimentary assemblage of the Layered Metamorphic Sequence (LMS) which has been intensely deformed and metamorphosed. The LMS is comprised of three units with a total thickness estimated to be three kilometres. The lower unit of Pre-Devonian age are dominantly metasedimentary rocks, commonly micaceous and feldspathic quartzite with carbonate beds in the upper portion of the unit. The middle unit is composed of interlayered metavolcanic and metasedimentary rocks; distinguished by the presence of carbonaceous material. The predominant rock type is grey carbonaceous siliceous siltstone. The metavolcanic rocks include mafic beds of greenschist composed primarily of chlorite and commonly biotite, epidote and actinolite. Felsic metavolcanic rocks weather tan or rusty in outcrop and are commonly associated with potash feldspar porphyry. The volcanic rocks have been dated at various localities as Devonian age. The upper unit of the LMS consists of light grey limestone interbedded with calcareous quartzite and has been dated as being from Early Pennsylvanian to Early Permian age. Primary features within the LMS have been obliterated by the intense ductile deformation during Late Triassic to Early Jurassic time. The penetrative foliation which contains a streaking lineation is parallel to compositional layering. Mortensen (1985) has interpreted the LMS to represent transposed stratigraphy (Stroshein, 1991).



Generalized geologic map (a) and cross section (b) of study area. Note that main metamorphic foliation (shown by formlines in b) is parallel to compositional layering and subparallel to major thrust surfaces shown. Scale of cross section is twice that of map.

Regional Geology Map Yukon Tanna Terrane
Southeastern Yukon Territory.

(After Mortensen, 1985)

To Accompany Report By J. D. Blanchflower, P. Geo.
J.R. Deighton, P. Geo.

COLUMBIA GOLD MINES LTD.
Vancouver, British Columbia

REGIONAL GEOLOGY MAP

FYRE LAKE PROPERTY
Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.,	Scale: As Shown
Date: Dec., 1996	Figure No. 6

There are three suites of metamorphosed mid-Paleozoic plutonic rocks in the region. The Simpson Range plutonic suite is composed of quartz monzonite to quartz diorite in a large fault bounded stock. The wall rocks of this intrusive are pyritized and form prominent gossans. Elsewhere, augen orthogneiss and monzonitic orthogneiss comprise the metaplutonic rocks.

Sheared mafic and ultramafic volcanic and plutonic rocks of the Late Devonian to Late Pennsylvanian-Early Permian Slide Mountain Terrane (Anvil-Campbell Allochthonous Assemblage) overlie the Layered Metamorphic Sequence and are preserved as klippens at elevations above approximately 1,400 metres. This allochthonous assemblage has been interpreted as a dismembered ophiolite sequence comprised of massive greenstone with associated sediments, mafic and ultramafic gabbroic rocks and serpentine matrix melange (Stroshein, 1991).

The youngest rocks of the region include Late Cretaceous (91 Ma) quartz monzonite plutons which intrude all older rock units, and Late Cretaceous or early Tertiary unfoliated dark mafic volcaniclastic and volcanic flow rocks.

Two phases of deformation with regional metamorphism are recognized in the region (Mortensen, 1985). The earliest and most pervasive episode affected the LMS and Paleozoic metaplutonic rocks which resulted in a well developed shallow dipping foliation (F_1) accompanied by regional middle greenschist to middle amphibolite metamorphism. The F_1 foliation typically parallels compositional layering and in coarse grained rocks is accompanied by a stretching lineation. The second phase of deformation involved a locally strong crenulation cleavage accompanied by middle greenschist facies metamorphism. Mortensen (1985) and earlier workers identified six major thrust faults in the region. The faults are cut by mid-Cretaceous intrusions and postdate Late Triassic strata (Stroshein, 1991).

As a result of the recent discoveries of polymetallic massive sulphide deposits within the Yukon Tanana Terrane (YTT), including the 'Kudz Ze Kayah' and 'Wolverine' polymetallic deposits, exploration attention in the Yukon has now focused on the economic potential of the volcanogenic mineralization hosted by metamorphosed Devono-Mississippian volcanic and sedimentary rocks. Much of southeastern Yukon Territory received a high level of exploration in the 1960's due to the discovery of the sedimentary exhalative Anvil Range (Faro) lead-zinc-silver deposits, approximately 170 kilometres to the northwest. In fact, many of the mineral showings in the eastern Pelly Mountains were discovered during this exploration period, including the Fetish copper-zinc-lead-gold-silver showing, the outcrop of the Wolverine volcanic massive sulphide deposit, and the Fyre Lake (Kona) copper-cobalt-gold (zinc, silver) showings.

Renewed exploration attention to the Finlayson Lake and eastern Pelly Mountains region began in the fall of 1993 when Cominco Ltd. carried out soil geochemical and geophysical surveys in the headwaters of a creek where there were anomalous lead-, zinc- and copper-in-silt values reported from a government-sponsored regional stream sediment survey; approximately 30 kilometres due north of the subject property. The surveys discovered coincident soil geochemical anomalies, electromagnetic conductors and positive magnetic features, and prospecting downstream of the survey area discovered massive sulphide float. The first diamond drill hole, collared in April, 1994, intersected massive sulphide mineralization, now known as the 'Kudz Ze Kayah' deposit. Cominco quickly conducted a regional-scale helicopter-supported magnetometer and electromagnetics survey followed by a major claim staking program. By the fall of 1994 Cominco had completed 50 diamond drill holes, totalling 8,300 m, to outline a shallow-dipping massive sulphide deposit located within 200 m of the surface and suitable for open pit mining, and had staked approximately 4,200 mineral claims to acquire other airborne geophysical targets in the region. Exploration and development continued in 1995, including: the construction of a 20-kilometre access road extending from the Robert Campbell Highway to the Kudz Ze Kayah deposit, completion of 131 diamond drill holes (16,540 m) to define the resources, engineering and environmental studies, and the purchase of a grinding circuit for a 3,000 tonne per day mill. Reported reserves are 13 million tonnes grading 5.5% Zn, 1% Cu, 1.3% Pb, 125 g Ag/T and 1.2 g Au/T (Wolfe, 1996).

The Wolverine Project is a joint venture between Westmin Resources Limited and Atna Resources Ltd. In June, 1995 surface exploration of the former 'Fetish' mineral showing, situated at the southeastern end of Wolverine Lake or approximately 30 kilometres northeast of the Fyre Lake property, resulted in the recognition of a sequence of rhyolitic tuffs, sediments and exhalative units with coincident high copper, lead, zinc and barium soil geochemistry along an 8-kilometre strike length. In August, a 15-hole drill program tested the Fetish chalcopyrite-sphalerite showing and discovered the 'Wolverine' volcanic massive sulphide deposit beneath and immediately northeast of the showing (Tucker, 1996). After two years of exploration it is jointly reported by Westmin and Atna that the average thickness of 49 drill intersections within the Wolverine and recently-discovered Lynx zones is 6.1 metres, and the combined geologic inventory of the Wolverine and Lynx zones totals 5,311,000 tonnes grading 1.81 grams gold/tonne, 359.1 grams silver/tonne, 1.41% copper, 1.53% lead and 12.96% zinc (G.C.N.L. 230 (1996), P. 1). The Westmin-Atna joint venture is proposing continued detailed drilling and pre-feasibility engineering studies during the 1997 field season.

According to Johnston (1996), "Three distinct types of syngenetic stratabound Devono-Mississippian mineralization are present (in the Yukon Tanana Terrane). These can be broadly classified as: (1) Kuroko-type VMS deposits, in which the host rocks are mainly felsic volcanic and high-level subvolcanic rocks; (2) Besshi-type VMS deposits, hosted mainly by mafic volcanic rocks and associated sedimentary rocks; and (3) SEDEX-type, hosted mainly by carbonaceous siliciclastic rocks. Lead isotopic studies of the various stratiform base metal occurrences provide strong evidence for syndepositional formation of the sulphide deposits within their immediate host rocks.

Kuroko-type VMS deposits occur northeast of the Tintina Fault in southeastern Yukon. Lenses of massive and semi-massive pyritic Pb-Zn-Cu mineralization occur within felsic metavolcanic and volcaniclastic assemblages of Early Mississippian age. These occurrences are spatially associated with deformed subvolcanic domes or thick sills. The host volcanic sequences are lensoid, and their distal portions interfinger with carbonaceous schist and fine-grained carbonaceous quartzite. Included in this class of deposits are the recently discovered Kudz Ze Kayah and Wolverine deposits, located southwest of Finlayson Lake.

Besshi-type VMS mineralization at Fire Lake in southeastern Yukon consists of conformable bands of locally Cu-rich massive pyrite, pyrrhotite and magnetite iron formation within an assemblage of interlayered mafic metavolcanic rocks, carbonaceous schist and fine-grained quartzite." See Figure 2 for the locations of the above occurrences in the Finlayson Lake region.

Property Geology

Lithology

The Fyre Lake property is underlain by all three sequences of metamorphosed sedimentary and volcanic rocks belonging to the Layered Metamorphic Sequence ("LMS") of the Yukon-Tanana Terrane. The lower metasedimentary rocks crop out predominantly along the western side of the property and a belt of metamorphosed mafic volcanic and carbonaceous clastic sedimentary rocks of the middle member underlie the centre of the property. The eastern portion of the property contains a thin wedge of upper unit metasedimentary rocks that is overthrust by the Late Devonian to Late Pennsylvanian-Early Permian Slide Mountain Terrane (Anvil-Campbell Allochthonous Assemblage).

Copper-cobalt-gold VMS mineralization within the Kona cirque area is hosted by a well deformed and metamorphosed chlorite-actinolite-quartz schist sequence that is interpreted to be a succession of basic to possibly intermediate flows with intercalated volcaniclastics and volcanically-derived fine-grained sedimentary rocks belonging to the middle unit of the LMS. The chlorite-actinolite-quartz schist is medium to dark green in colour, aphanitic to fine-grained, and has a pervasive distinct foliation. Chlorite and actinolite contents range from less than 10 to over 40 percent of the rock volume, and there is 3 to 5

percent, locally up to 20 percent, clear to milky white quartz as 2 to 15 mm thick laminae and 2 to 20 cm boudins. The quartz content is very irregular possibly indicating a variety of protoliths. Biotite is pervasive in varying amounts as less than 1.5 mm phenocrysts in the groundmass, or as less than 4 mm black to dark brown masses that commonly form 0.5 to 2 cm thick laminae. Variations of the chlorite-actinolite-quartz schist include those hosting local 1 to 6 cm irregular masses of black amphibole, probably actinolite or tremolite, and rare subhedral to anhedral, 2 to 4 mm porphyroblasts of an orange-red garnet.

The chlorite-actinolite-quartz schist is overlain by thick sequence of phyllitic metasedimentary rocks with a basal unit of micaceous quartz-chlorite mica schist. The phyllitic metasedimentary rocks are very fine-grained to fine-grained and finely laminated. This rock unit may locally contain 3 to 10 percent fine-grained biotite and/or phlogopite as laminae within 10 to 50 cm wide biotite-rich layers. The unit is locally calcareous with mottled white carbonate-rich layers up to 50 cm thick. A variety of protoliths is reflected by feldspar-, biotite and/or carbonate-rich bands with local orange-red garnetiferous sections.

The basal micaceous quartz-chlorite schist unit occurs consistently between the upper phyllitic metasedimentary rocks and the lower chlorite-actinolite-quartz schists. It averages approximately 4 m in thickness but thickens to 20 m in a southerly direction. This unit contains brown and locally massive green laminae with 50 to 80 percent quartz as 2 to 20 cm white bands, resembling metamorphosed chert horizons.

Structure

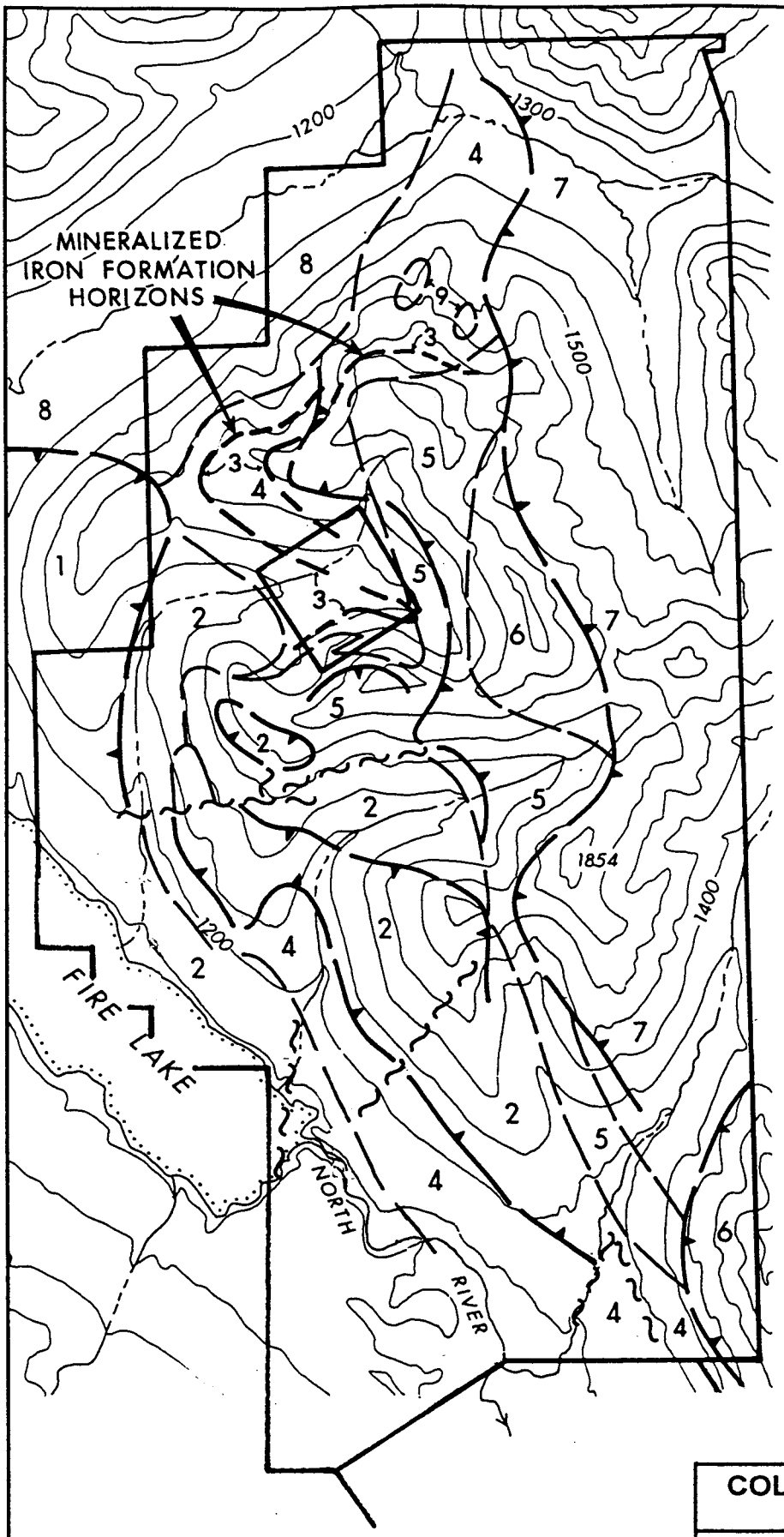
Large scale thrust faulting is prominent within the region and evident on the property. Internal thrust faults have been mapped within the YTT rocks (LMS) as well as at the emplacement of the Slide Mountain Terrane. Geological results reported from the 1991 Placer Dome exploration work documented a thrust fault contact between the upper metasedimentary (i.e. phyllites)and lower metavolcanic rocks. The results of the 1996 exploration work indicate that these two rock units are not separated by any obvious large scale faulting but represent a continuous stratigraphic succession, at least within the Kona cirque area.

The structural geology of the property is very complex due to the intense nature of deformation and metamorphism of the LMS. There is a S_1 foliation parallel to compositional layering, defined by conformable bands of new growth micas, actinolite and chlorite in the mafic rocks and as ribbons of stretched quartz bands in the quartz-rich sedimentary rocks, and a L_1 lineation defined by mineral streaking along the foliation surface. When the S_1 foliation is used as a substitute for bedding plane measurements and the L_1 measurements are used to define direction and plunge of deformation the schistosity measurements within the property are consistent with a shallow easterly dipping regional trend. Structural lineations are shallow plunging in a general southeasterly direction. In the Kona Creek cirque area L_1 lineations parallel the orientation of the mineralization at 12C^c to 14C^c and plunge approximately 20° southward with a 30° easterly rake.

Alteration

The greenschist facies metamorphic minerals chlorite and biotite are common in the volcanic and sedimentary rocks on the property. Biotite is most commonly associated with sedimentary argillaceous rocks and chlorite is abundant in the mafic volcanic rocks. Sericite occurs in the felsic lenses in the volcanic sequence.

Hydrothermal alteration has not been well documented except that weak quartz-chlorite alteration appears to occur in the footwall rocks of the iron formation magnetite and pyrite. These rocks are of original mafic composition and the chloritic alteration reported may be mainly metamorphically derived. The rusty weathered outcrops on the northerly facing cliff, north of the Kona Creek cirque, appear to be typical of other felsic volcanic occurrences on the property but are mineralized with chalcopyrite as well as pyrite and contain abundant chlorite which may be a result of hydrothermal alteration.



Modified
(After Tempelman-Kluit, 1977)

1 : 50,000

0 1000 2000 Metres

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J. R. Deighton, P. Geo.

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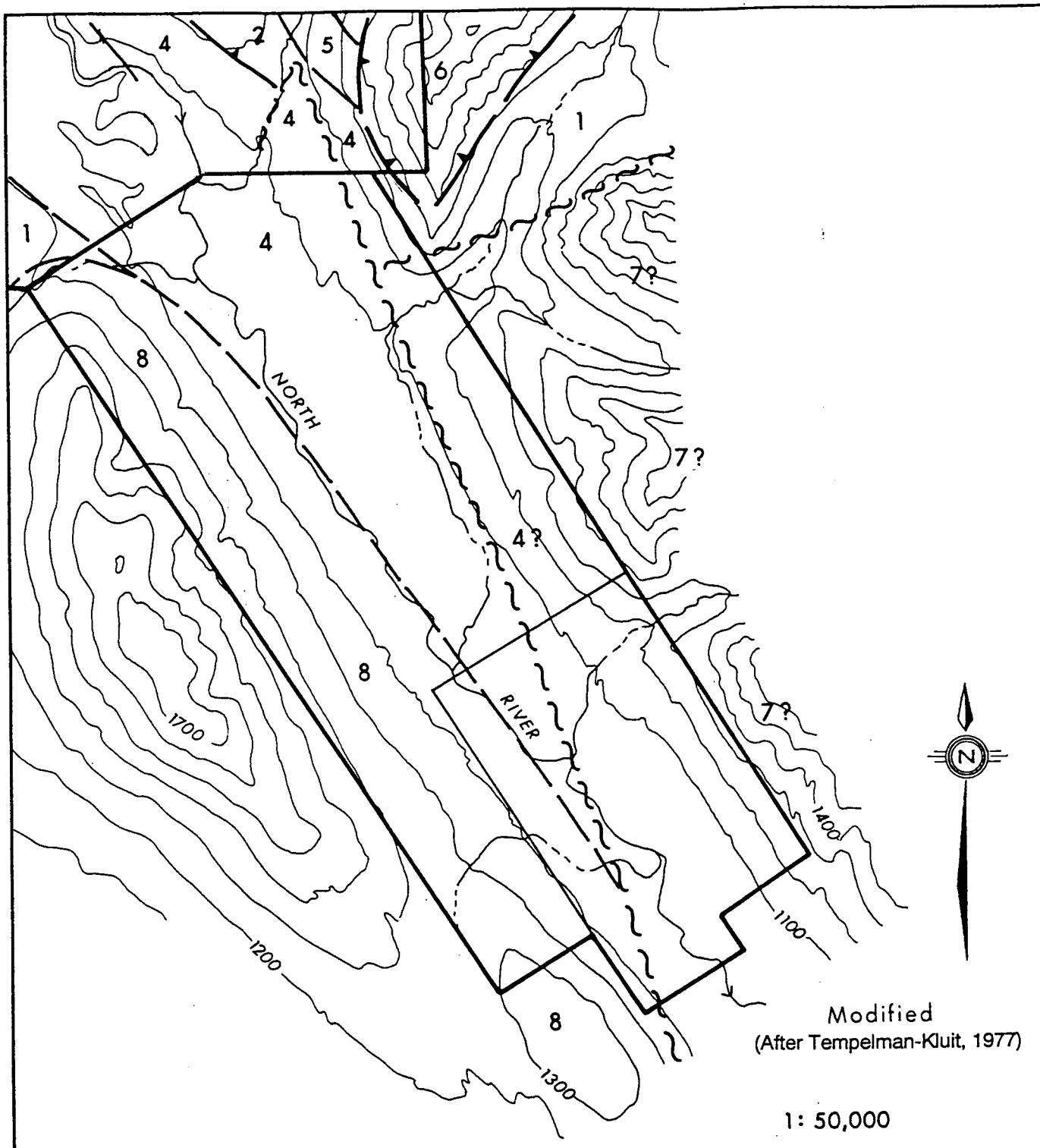
GEOLOGICAL PLAN

NORTH-HALF

FYRE LAKE PROPERTY

Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.	Scale: 1:50,000
Date: Dec., 1996	Figure No. 7



To Accompany Report By J. D. Blanchflower, P. Geo.
J.R. Deighton, P. Geo.

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Vancouver, British Columbia

GEOLOGICAL PLAN
SOUTH-HALF
FYRE LAKE PROPERTY
Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.	Scale: 1:50,000
Date: Dec., 1996	Figure No. 8

- LEGEND -

(After Stroshein, 1991)

TERTIARY

9 Orange weathering, dark green basalt and basalt breccia

CRETACEOUS

8 Leucocratic quartz monzonite

LATE DEVONIAN TO PERMIAN

Slide Mountain Terrane (Campbell-Anvil Allochthonous Assemblage)

7 Sheared and mylonitized dark mafic volcanic and coarse-grained sedimentary rocks

PENNSYLVANIAN TO PERMIAN

Upper Layered Metamorphic Sequence

6 Interbedded dolomitic sandstone or quartzite, micaceous sandstone, basalt and limestone

LATE DEVONIAN

Middle Layered Metamorphic Sequence

5 Thinly-laminated argillite to siltstone/phyllite; tan weathering quartzite

4 Metamorphosed volcanic rocks - mafic flows and tuffs (chlorite-biotite) with minor felsic rocks (quartz-sericite)

3 Iron formation - a) sulphide, b) magnetite and c) silicate mineralization

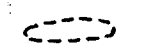
DEVONIAN

Lower Layered Metamorphic Sequence

2 Calcareous quartz-sericite schist, platy micaceous sandstone, thick-bedded quartzite

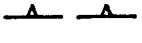
1 Dark grey, biotite-rich, sandstone or quartzite

- SYMBOLS -


Outcrop


Geological Contact


Normal fault


Thrust fault



Atlas Explorations drill hole site

Mineralization

Volcanogenic massive sulphide ("VMS") mineralization has been located in outcrop and in boulder trains over a six kilometre strike length from the southern Lake grid to the northern Kona grid. Due to the extensive till cover and local vegetation most past exploration work has been dependent upon geophysical and geochemical surveying and limited drilling to locate poorly-exposed, near-surface sulphide mineralization. However, despite a number of geophysical and geochemical survey programs, very little drilling was conducted beyond the main showings in the Kona Creek cirque.

Most in-situ occurrences of massive sulphide volcanogenic mineralization have been identified within the Kona Creek cirque. These showings include the old Cassiar Asbestos/Atlas occurrences known as: 1) 'E' zone - massive pyrite ± chalcopyrite, sphalerite showing exposed in the Kona Creek bed; 2) 'I' zone - massive, well laminated magnetite ± chalcopyrite showing in the north fork of Kona Creek along trend of the 'E' zone mineralization; 3) 'J' zone - 1 to 1.5 metre thick mineralized horizon and disseminated pyrite and chalcopyrite in grey siliceous bands of 25 to 30 cm on the north-facing ridge northeast of the Kona Creek cirque; and 4) 'K' zone - a pyrite-magnetite-quartz intercept in drill hole 66-3 southeast of the 'E' zone. Massive sulphide float has also been discovered at the 'F', 'G' and 'H' showings on the northern slopes of Kona Creek cirque between the 'I' and 'J' zones; downstream of the 'E' zone, called the 'D' showing; and at the 'E-4', '11', '12' and '13' showings on the southwesterly-facing slopes more than 4 kilometres south of the Kona Creek cirque. All of these zones and showings are shown on Figure 5 of this report.

The copper-cobalt-gold (± zinc, silver) VMS mineralization within the central 'Kona' deposit occurs as three distinct horizons of massive to semi-massive sulphide and magnetite mineralization over a combined thickness of 70 to 80 metres, a continuous strike length of more than 1,000 metres and widths in excess of 100 metres. The mineralization is dominantly hosted within the upper section of the chlorite-actinolite-quartz schist unit and immediately beneath the chlorite-actinolite-quartz schist and phyllite stratigraphic contact.

The 'Lower Horizon' is 4 to 16 m thick and has been drill tested over a length of 500 metres. It is comprised of alternating layers of massive sulphide and massive magnetite mineralization with the uppermost massive sulphide layer being the thickest of the layers, averaging 7 m thick. The sulphides are typically fine- to medium-grained and dominantly pyritic. Chalcopyrite content averages from 3 to 5 percent by volume. Magnetite is typically fine-grained and may comprise more than 90 percent of the underlying massive magnetite band with lesser pyrite, chalcopyrite and white carbonate and/or quartz as 2 to 5 mm laminae and irregular clusters.

The 'Middle Horizon' is situated at the southern end of the drill-tested area and has only been intersected by five drill holes over a strike length of 350 metres. The styles of mineralization with this horizon are similar to that of the Lower Horizon but this horizon has semi-massive magnetite overlying alternating layers of massive sulphide and magnetite. In contrast to the Lower Horizon, the thickest layer of massive sulphide within the Middle Horizon averages 5 to 6 metres in thickness. The upper portion of this horizon contains 2 to 6 percent sphalerite as interstitial grains between coarse-grained pyrite. The mineralization occurs over a thickness of 8 metres and locally thickens to greater than 11 metres.

The "Upper Horizon' is the most laterally continuous of the three horizons and ranges from 6 to 40 m thick. The upper 0.5 to 1.5 m of the horizon is massive sulphides with more than 75 percent pyrite by volume which locally contains subrounded pyritic quartz clasts, possibly precipitated silica nodules. The central copper-rich section is comprised of banded massive sulphides composed of 2 to 10 cm bands, locally to 30 cm, separated by 1 to 10 cm bands of foliated chlorite schist and/or quartz. The massive sulphides are dominantly pyrite, chalcopyrite and lesser pyrrhotite within a greyish white cherty matrix. Magnetite occurs within the chlorite-actinolite-quartz schist unit as 0.5 to 2 mm subhedral grains. The sulphide content and thicknesses of the mineralized bands gradually decrease downward with a corresponding increase in volume of magnetite and the chlorite-actinolite-quartz schist host. Near the

base of the known mineralization the sulphides constitute less than 1 percent of the rock volume and most of the mineralization is banded semi-massive magnetite. The basal portion of the horizon usually hosts 10 to 25 percent banded magnetite within greyish white metachert and chlorite-actinolite schist layers and varies in thickness from 1 to 17 m.

The thickest portion of the Upper Horizon was intersected by the most southern 1996 drill hole (i.e. DDH 96-065 intersected 49.75 m of mineralization at a depth of 427.50 m). The pyrite, pyrrhotite and chalcopyrite mineralization is hosted by a siliceous section with chalcopyrite locally representing as high as 40 percent of the volume within a 7 m section. Magnetite is pervasive throughout the mineralized horizon, ranging from 5 to 80 percent of the volume as disseminations, bands and masses. Within the overlying metasedimentary rocks there are 0.5 to 3.0-metre thick lenses of massive sulphides with significant copper and cobalt mineralization. The geometry and thickness of the Upper Horizon at the southern limit of the 1996 drilling indicates that there may by a southeastwardly trending mineralized trough opening and thickening to the south (Columbia Gold Mines, 1996).

The massive sulphide mineralization within the northwestern drill-tested area is similar in geometry and mineralogy to the three southern horizons of the central Kona VMS deposit. Locally, the massive sulphide mineralization varies laterally to fine- to medium-grained pyrite with pyrrhotite and chalcopyrite in a cherty matrix and vertically with depth to massive magnetite.

1996 EXPLORATION PROGRAM

The 1996 exploration program was designed and directed to evaluate the previously-identified volcanogenic massive sulphide mineralization within the Kona Creek cirque, and to confirm and assess several coincident soil geochemical and geophysical anomalies documented by previous operators. The program included: camp construction, topographic and drill hole collar surveying, linecutting, prospecting, geological mapping, rock and soil geochemical sampling, geophysical surveying, NQ2- and BQTK-core diamond drilling, assaying or analyses of drill core and geochemical samples, reclamation work and program documentation. Columbia Gold Mines Ltd. financed and operated the entire 1996 exploration program, per the joint venture agreement with Welcome Opportunities Ltd..

The camp construction and field personnel mobilized to the property on June 15, 1996, and the 1996 field exploration work was completed on October 9th, 1996 with the closure of the camp and demobilization of the field personnel. The field camp was winterized and secured; the diamond drill core was stored at the core logging facilities within the field camp site; and one diamond drill rig and its auxiliary equipment was winterized and stored at the camp site. The other diamond drill rig and its attendant equipment were removed from the property and demobilized to Smithers, B.C.

Columbia Gold Mines Ltd. employed various mineral exploration industry contractors to conduct most of the exploration work. These contractors will be documented individually later in this report. The soil geochemical sampling, drill core processing and camp management duties were carried out by employees of Columbia Gold Mines Ltd. Administration and field supervision of the program, including the field geological personnel, were provided by J. S. Brock Ltd. of Vancouver, B.C. which has a contract with Columbia Gold Mines Ltd. to provide exploration and administration services. Mr. J. Douglas Blanchflower, a qualified and professional geological consultant employed by Minorex Consulting Ltd. of 11967 - 83A Avenue, Delta, B.C. V4C 2K2, was contracted by Columbia Gold Mines Ltd. from June 15 to November 30, 1996 to supervise the field work and subsequently document the results of the program. The supervisory duties were shared with Mr. John Deighton, an experienced and qualified geologist employed by J. S. Brock Ltd. and co-author of this report.

The following experienced and qualified field personnel were employed during the 1996 exploration program by either Columbia Gold Mines Ltd. or J. S. Brock Ltd., both of Suite 1500 - 675 West Hastings Street, Vancouver, B.C. V6B 1N2.

Geological Personnel (J. S. Brock Ltd. personnel)
John Deighton, P. Geo. - geologist and project supervisor; July 2 to November 30, 1996
Ian Foreman - geologist; August 1 to November 30, 1996
Brian Thurston - geologist; July 16 to August 11, 1996
Margaret Dittrick - geologist; September 25 to October 8, 1996
Rene Romero - geologist; August 8 to September 15, 1996

Geotechnical Personnel (J. S. Brock Ltd. personnel)
Chris Kuntz - geotechnician; July 11 to September 6, 1996
Aaron Wardwell - geotechnician; August 8 to October 8, 1996

Soil Geochemical Sampling/Drill Core Processing Personnel (J. S. Brock Ltd. personnel)
Chris James - sampler/splitter; August 1 to October 8, 1996

Soil Geochemical Sampling/Drill Core Processing Personnel (Columbia Gold Mines Ltd. personnel)
Robin Mahood - sampler/splitter; June 24 to August 29, 1996
Katie Brock - sampler/splitter; June 24 to August 29, 1996
Lisa Blanchflower - sampler/splitter; June 23 to August 29, 1996
Eva Jaycox - sampler/splitter; July 1 to August 31, 1996
Brooke Roberts - sampler/splitter; July 25 to August 22, 1996
Aurelea Mahood - sampler/splitter; September 1 to 26, 1996
Torsten Slater - sampler/splitter; September 5 to October 8, 1996

Camp Management, Cooking and First Aid Personnel (Columbia Gold Mines Ltd. personnel)
Joyce Warren - cook; June 29 to October 8, 1996
Nancy Osmond - cook/first aid attendant; June 29 to October 8, 1996

Trans North Helicopters Ltd. of Whitehorse, Y.T. was contracted to provide either Hughes 500D or Bell 206 helicopter support for the project, and a Bell 205 helicopter owned by Frontier Helicopters Limited of Watson Lake, Y.T. was contracted intermittently during the latter half of field program to move and demobilize the drill rigs. Fixed-wing aircraft support, including Otter, Beaver and Cessna 185 aircraft, was contracted from Watson Lake Flying Service of Watson Lake, Y.T. and Kluane Airways Ltd. of Whitehorse, Y.T.

A portion of the 1996 exploration program comprised linecutting, prospecting, soil and rock geochemical sampling and geophysical surveying which are the subjects of this assessment report. This exploration work included:

a) establishing topographic control within the property for subsequent linecutting and diamond drilling;
b) establishing three survey control grids, totalling 150.80 line-kilometres, over the 'KONA', 'LAKE' and 'DUB' exploration target areas;
c) prospecting within and adjacent to the three survey control grids;
d) collecting and analyzing 2,256 soil geochemical samples for 31-elements by I.C.P. methods;
e) collecting and analyzing 17 rock geochemical samples (8 samples for gold (F.A./A.A.) plus 31-element I.C.P. analysis and 9 samples for copper, cobalt, zinc, silver and gold assays) ;
f) conducting 142.70 line-kilometres of combined ground magnetics and horizontal loop (MaxMin) electromagnetics geophysical surveying; and
g) preparing this report and accompanying plans and maps.

Camp Construction

Prior to the 1996 field work, Columbia Gold Mines Ltd. contracted the construction of camp and core logging facilities within the claim holdings on the eastern shore of Fire Lake, near the mouth of Kona Creek. Madd Dawg Equipment Ltd. of P. O. Box 4379, Smithers, B.C. V0J 2N0 and Pellow Construction Ltd. of P. O. Box 3814, Smithers, B.C. V0J 2N0 were contracted to construct the camp and supply all of the camp equipment (i.e. canvas roofs, tarps, kitchen equipment, etc.). The camp construction work was carried out between June 15 and July 7, 1996.

The completed field camp comprises a core logging and splitting building, kitchen-dining-dry-washroom building, office, drillers' workshop-storage unit, first aid unit and nine sleeping tents. The sleeping units, first aid, office and core logging facilities are wood-frame buildings with removeable canvas and tarp roofs. The kitchen-dining-dry-washroom building is a wood-frame structure with an aluminum metal roof that is being used for off-season storage of equipment. All of the buildings were constructed so that they could be dismantled and removed, or disposed of, should reclamation of the site be required.

Topographic Control Surveying

ADW Engineering Ltd. of P. O. Box 4379, Smithers, B.C. V0J 2N0 was contracted to undertake detailed Global Positioning System (GPS) triangulation surveys to establish a topographic benchmark within the subject property, survey all old drill hole collars, and provide property-wide survey control for the establishment of the three survey control grids. Between June 24th and 28th, on-site topographic benchmarks were established and several old drill collars were surveyed utilizing a GPS instrument with an accuracy in geographic positioning and elevation of ± 1 metre. In addition, the old survey control grid which was established by Placer Dome in 1991 was re-surveyed prior to the linecutting work. During the periods of August 2nd to 4th and September 16th to 18th, ADW Engineering was contracted to survey the locations of the base and grid lines within three survey control grids, all completed drill collars and various camp and topographic features. An electrodistamat ("EDM") surveying instrument was utilized for this later work.

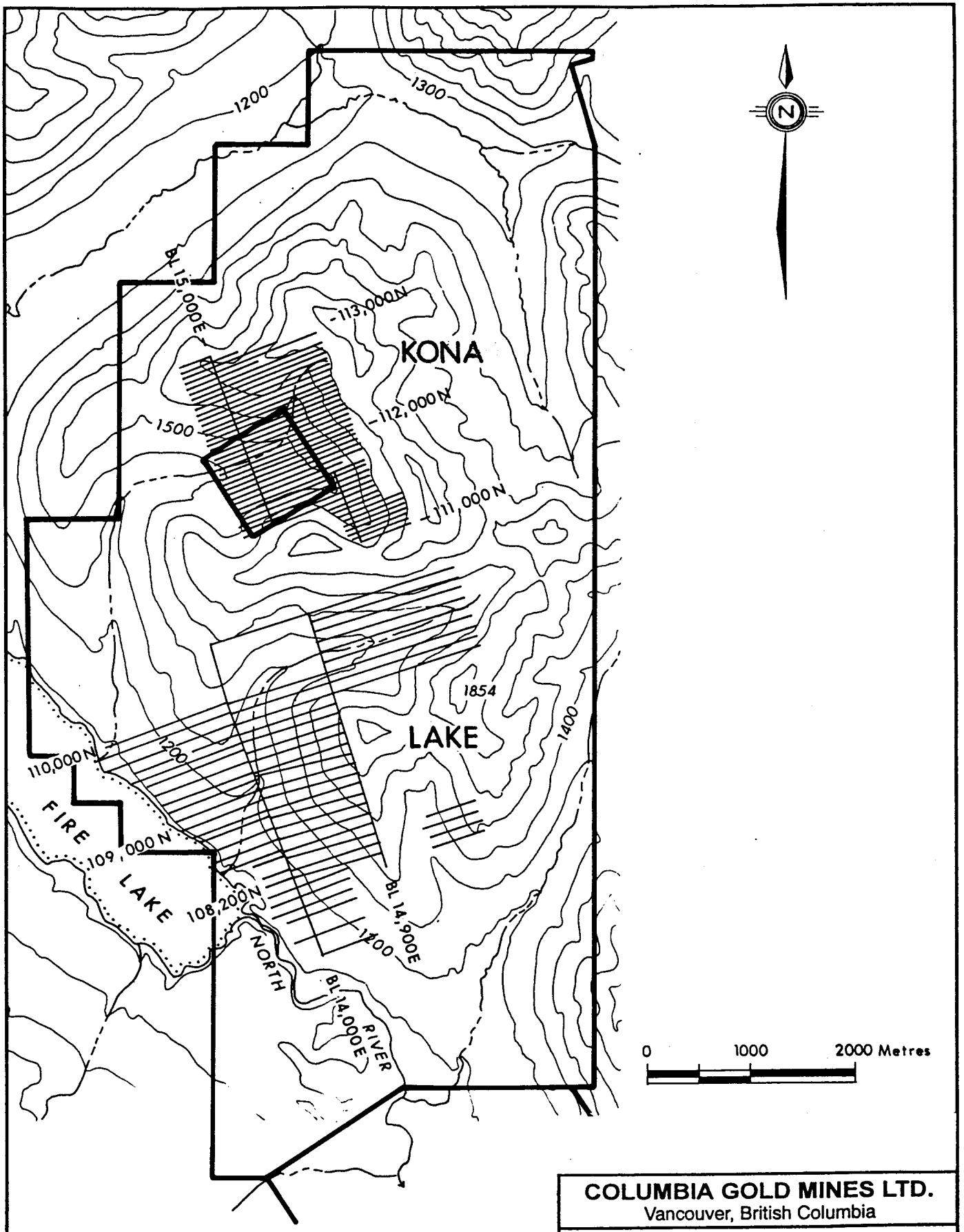
The topographic survey control data were utilized in the preparation of the various topographic maps and plans accompanying this report. A brief report by ADW Engineering Ltd. documenting the survey control results accompanies this report as Appendix I.

Survey Control Grids

It was discovered at the start of the exploration program, after the 1995-96 snowpack had thawed, that the original imperial-based survey control grid which was established within the Kona Creek cirque by Cassiar Asbestos Corporation in 1960-61 and re-cut by Atlas Explorations Ltd. in 1966 was almost completely overgrown with thick shrubs and undergrowth. Placer Dome Inc. had re-tagged the grid in 1991 but the base and grid lines were impassable for any detailed electromagnetic surveying.

Columbia Gold Mines Ltd. contracted Coureur Des Bois Ltee. of P. O. Box 5301, Whitehorse, Y.T. Y1A 4Z2 to establish a metric-based survey control grid within the Kona Creek cirque covering the known mineral showings, called the 'Kona' grid; enlarge and extend the 1991 Placer Dome Inc. 'Lake' survey control grid situated near the southern end of Fire Lake; and establish a survey control grid over the 'Dub' airborne geophysical anomaly within the DUB and EDY mineral claims, on the east side of the North River approximately 3 to 7 kilometres southeast of Fire Lake.

A total of 150.8 line-kilometres ("line-km") of survey control grid was cut, picketed and labelled, including 8.10 line-kilometres (5.03 line-miles) of base lines and 142.70 line-kilometres (88.67 line-miles) of grid lines.



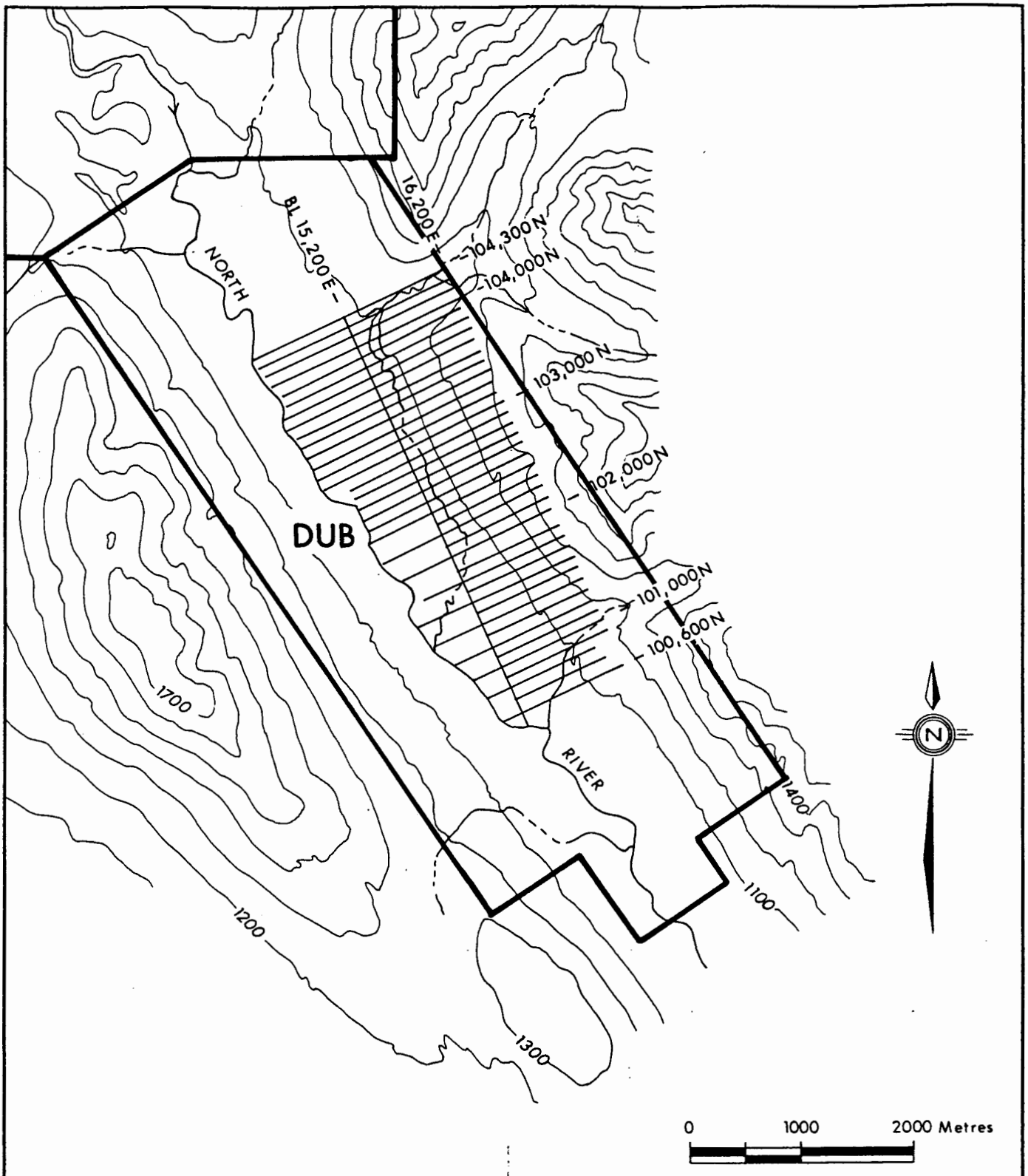
COLUMBIA GOLD MINES LTD.
Vancouver, British Columbia

SURVEY CONTROL GRIDS

FYRE LAKE PROPERTY
Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.	Scale: 1:50,000
Date: Dec., 1996	Figure No. 9

To Accompany Report By J. D. Blanchflower, P. Geo.
J.R. Deighton, P. Geo.



COLUMBIA GOLD MINES LTD.
Vancouver, British Columbia

SURVEY CONTROL GRIDS

FYRE LAKE PROPERTY
Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.	Scale: 1:50,000
Date: Dec., 1996	Figure No. 10

To Accompany Report By J. D. Blanchflower, P. Geo.
J.R. Deighton, P. Geo.

A total of 50.575 line-km of linecutting was undertaken on Kona grid area, comprising 2.5 line-km of base line oriented at 160°-340° and 49.075 line-km of grid lines oriented at 070°-250°. On the Lake grid area the 1991 Placer Dome base and grid lines were re-cut for a total of 12.6 line-km of linecutting. In addition, the original survey control grid was enlarged to the north and south. The northern extension required 1.8 line-km of base line and 25.05 line-km of grid lines oriented at 160°-340° and 070°-250° respectively. A similarly-oriented southern grid extension was also cut requiring a 800-metre base line and 4.4 line-km of grid lines. The Dub survey control grid was cut with a 4,000-metre base line, oriented 160°-340°, and 55.475 line-km of grid lines oriented at 070°-250°. All base and grid lines were cut a width of 1 metre and the cut brush was cleared from the lines. The line-spacing of the grid lines vary from 50 to 200 metres apart, depending upon the detail of exploration work that was conducted over each grid area. All of the base lines and grid lines are marked at 25-metre intervals with cedar lath pickets and they are labelled with their grid coordinates etched on aluminum tags that are stapled to the pickets. The pickets are well flagged with pink or orange flagging, as are the intervening cut lines.

The central portion of each base line within each control grid was surveyed by ADW Engineering Ltd. personnel using an EDM surveying instrument and survey points were pre-established prior to any linecutting and station picketing. The base line extensions and grid lines were measured by a two-person linecutting crew using a drag chain; they were oriented using a compass or by sight-picketing between visible stations; and they were slope-corrected using a clinometer. ADW Engineering Ltd. personnel subsequently surveyed various sections of each base line and several grid lines to tie them into the local grid and U.T.M. coordinate system. A magnetic declination of 30° 33.3' East was utilized for control grid surveying and linecutting.

The linecutting work required a total of 520 man-days by field and 25 man-days by supervisory personnel employed by Coureur Des Bois Ltee. This work conducted by usually four 2-man linecutting crews from July 3 to September 20, 1996. The Kona, Lake and Dub survey control grids have been plotted at a variety of scales and plans of these grids accompany this report as Figures 9, 10, 16A to 33-3.

Prospecting

Thirty-two man-days of prospecting were undertaken on the property during September by qualified prospectors under the supervision of the geologists contracted by Columbia Gold Mines Limited. The prospecting team consisted of George and Eileen Johnnie, both residents of Ross River, Y.T. and employees of Columbia Gold Mines Ltd. Six days (12 man-days) were spent prospecting the Dub grid area, six days (12 man-days) were spent prospecting the Lake grid area, and four days (8 man-days) were spent prospecting the Kona Creek grid area and along the Kona Creek drainage. The rock geochemical samples that were collected by the prospectors have been tabulated in Table II of this report with those collected during the geological mapping work.

Geochemical Surveys

Soil Geochemical Survey

Soil geochemical sampling was undertaken on the Kona and Dub survey control grids, and the western and southern extensions of the Lake survey control grid (i.e. west of the 14000 E baseline, from 108200 to 110000 N, and east and west of the southern extension of the 14000 E baseline from 108000 to 108200 N). The re-sampling on the Kona survey grid was carried out to re-locate and delineate the previously-reported geochemical anomalies within the newly-established metric grid area. The Lake grid extensions were sampled to evaluate some untested areas adjacent to, or extensions of, known geochemical or geophysical anomalies reported by Placer Dome Inc. and Atlas Explorations Ltd. The Dub survey grid area was sampled to assess the soil geochemistry of the area covered by a coincident airborne magnetic and electromagnetic anomaly (Brock, 1967). The soil geochemical sample results that

are reported by Placer Dome Inc. (Stroshein, 1991) could be incorporated into the present soil geochemical database for the property since only these sample sites can now be located.

Columbia Gold Mines Ltd. personnel collected 'B'-horizon or, if unavailable, 'AB'-horizon soil geochemical samples using a mattock or shovel at 25-metre intervals along grid lines within the Kona, Dub and various Lake extension grid areas. Each soil geochemical sample was properly documented on-site, recording its grid coordinates, depth of collection, composition, texture, colour, and local topographic features; and properly placed in Kraft soil sample bags labelled with the grid coordinates of each sample site. At the field camp, the samples were strung on wires, field dried, and every second sample, on a 50- or 100-metre grid coordinate, was segregated from the remaining 25- or 75-metre grid coordinate samples before all of the samples were properly packed and shipped to Watson Lake, Y.T. At Watson Lake, the expediter for the company forwarded all of the 50- and 100-metre soil samples to Min-En Laboratories in Smithers, B.C. The remainder of the samples are stored in bags at Twilite Services Ltd. warehouse in Watson Lake Y.T. for safekeeping and easier access should they be needed for fill-in geochemical information. A total of 2,256 soil geochemical samples were shipped to Min-En Laboratories in Smithers, B.C. or to Chemex Labs Ltd. in North Vancouver, B.C. where each sample was thoroughly dried, sieved and processed prior to analysis. The on-site records of each soil sample was inputted into a field camp computer to form a soil geochemical database (see Appendix II).

All of the soil geochemical samples were analyzed for 31 elements by professional assayers employed by Min-En Laboratories or Chemex Labs using similar established I.C.P. analytical procedures (Min-En Laboratories, 1995; Chemex Labs, 1996). After the samples were dried at 95^{c} C they were sieved to obtain a -80 mesh fraction for analysis. A 0.5 gram sub-sample was digested for 2 hours with an aqua regia mixture and, after cooling, the solution was diluted to standard volume. The resultant solution was then analyzed by a Jarrell Ash computer spectrometer (Inductively Coupled Plasma Spectrometer). The results for: silver (Ag), aluminum (Al), boron (B), barium (Ba), beryllium (Be), bismuth (Bi), calcium (Ca), cadmium (Cd), cobalt (Co), chrome (Cr), copper (Cu), iron (Fe), gallium (Ga), potassium (K), lithium (Li), magnesium (Mg), manganese (Mn), molybdenum (Mo), sodium (Na), nickel (Ni), phosphorus (P), lead (Pb), antimony (Sb), strontium (Sr), tin (Sn), tungsten (W), thallium (Th), titanium (Ti), vanadium (V), and zinc (Zn) are reported as parts per billion (ppb), parts per million (ppm), or percent (%). The copper, cobalt and zinc-in-soil geochemical values have been plotted at their respective sample locations on Figures 16A,B,C to 18A,B,C of this report. The soil geochemical sample descriptions and their analytical results accompany this report as Appendices II and III respectively.

Rock Geochemical Survey

The seventeen rock geochemical samples were properly collected, bagged and labelled under the supervision of qualified geologists. These samples were subsequently delivered to Min-En Laboratories in Smithers, B.C. for processing. There, the rock geochemical samples were dried at 60^{c} C, and crushed by a jaw crusher to minus 1/4 inch and then reduced by a secondary roll crusher to minus 1/8 inch. The crushed sample was subsequently split using a Jones Riffle to get a statistically-representative 300-gram subsample. The subsample was then pulverized by a ring pulverizer to 95 percent minus 150 mesh, rolled and bagged for analysis at Min-En Laboratories facilities in Vancouver, B.C. The remaining sample reject from the Jones Riffle splitting was bagged and stored at the laboratories in Smithers, B.C.

Nine rock geochemical subsamples or pulps were assayed for their copper, lead, zinc, silver and gold contents, and seven of these samples were re-assayed for their cobalt contents. At Min-En Laboratories in Vancouver the assay procedures for copper, lead, zinc, cobalt and silver use a 0.500 to 2.00 gram subsample which is weighed from the sample pulp for analysis. Each batch of 24 assays has a natural standard and a reagent blank included. The subsamples are digested using a HNO_3-$KClO_3$ mixture and when the reaction subsides HCl is added before it is placed on a hotplate to digest. After digestion is complete the flasks are cooled, diluted to volume and mixed. The resulting solutions are analyzed on an atomic absorption spectrometer using the appropriate standard sets. The natural standard digested along with this set must be within 2 standard deviations of its known or the whole set is

re-assayed. If any of the assays are more than 1 percent copper they were assayed at a lower weight. The analytical values for copper (Cu), zinc (Zn), lead (Pb) and cobalt (Co) are reported in percent ("%"), and silver (Ag) values are reported in grams per tonne ("gpT").

Gold fire assay-atomic absorption assays were conducted on the above nine rock geochemical sample pulps. All gold fire assay procedures at Min-En Laboratories were conducted utilizing one assay ton sample weights. The subsamples were fluxed and a silver inquart was added and mixed. These subsamples were fluxed in batches of 24 assays with a natural standard and a blank. This batch of 26 assays were carried through the whole procedure as described. After cupellation the precious metal beads were transferred into new glassware, dissolved with aqua regia solution, and diluted to volume and mixed. The resulting solutions were analyzed on an atomic absorption spectrometer using a suitable standard set. The natural standard fused along with this set must be within 2 standard deviations of its known or the whole set is re-assayed. Likewise, the blank assay must be less than 0.015 gram per tonne. The top 10 percent of all assays per printed page were re-checked and reported along with the standard and blank. Gold values are reported in grams per tonne (gpT) with a detection limit of 0.02 gpT.

The other eight rock sample pulps were analyzed for 31 elements by professional assayers using established Inductively Coupled Plasma ("I.C.P.") analytical procedures, as described by Min-En Laboratories (1995). After the samples were dried at 65° C., they were crushed by a jaw crusher and pulverized by a ceramic-plated pulverizer or ring mill pulverizer. The resultant sample was rolled and sieved to obtain a minus 80-mesh pulp for analysis. A 0.5 gram sub-sample was digested for 2 hours with an aqua regia mixture and, after cooling, the solution was diluted to standard volume. The resultant solution was then analyzed by a Jarrell Ash computer (Inductively Coupled Plasma Spectrometer). The results for: silver (Ag), aluminum (Al), boron (B), barium (Ba), beryllium (Be), bismuth (Bi), calcium (Ca), cadmium (Cd), cobalt (Co), chrome (Cr), copper (Cu), iron (Fe), gallium (Ga), potassium (K), lithium (Li), magnesium (Mg), manganese (Mn), molybdenum (Mo), sodium (Na), nickel (Ni), phosphorus (P), lead (Pb), antimony (Sb), strontium (Sr), tin (Sn), tungsten (W), thallium (Th), titanium (Ti), vanadium (V), and zinc (Zn) are reported as parts per billion (ppb), parts per million (ppm) or percent (%).

The above eight rock geochemical sample pulps were also analyzed for their gold content using standard fire assay-atomic absorption methodology. The subsamples were fluxed and a silver inquart was added and mixed. These samples were fluxed in batches of 24 assays with a natural standard and a blank. This batch of 26 assays was carried through the whole procedure as described. After cupellation the precious metal beads were transferred into new glassware, dissolved with aqua regia solution, and diluted to volume and mixed. The resulting solutions were analyzed on an atomic absorption spectrometer using a suitable standard set. The natural standard fused along with this set must be within 2 standard deviations of its known or the whole set is re-analysed. Gold values are reported in parts per billion ("ppb"), at a 1 ppb detection limit. The rock geochemical sample sites are shown on Figures 13 and 14 of this report, and their descriptions and analytical results accompany this report as Appendices IV and V respectively.

Geophysical Surveys

Total field ground magnetics and Horizontal Loop electromagnetic (HLEM) surveys were conducted within portions of the Kona, Lake and Dub survey control grid areas. Columbia Gold Mines Ltd. contracted the geophysical surveying to Lloyd Geophysics Inc. of Suite 455 - 409 Granville Street, Vancouver, B.C. V6C 1T2 which employed two experienced geophysical operators, Messrs. Frans Dziuba and Michael Cordiez, to carry out the field work. Each day the geophysical results were compiled and plotted in the field to be utilized for the ongoing drilling program. The combined geophysical surveying was conducted during the periods of July 16th to August 8th and August 22nd to September 20th.

Upon completion of the field work, the geophysical data was collated, compiled and documented by M. Dan Klit, an experienced and qualified geophysicist employed by Lloyd Geophysics Inc. (see Appendix VI).

Ground Magnetics Survey

A total of 142.70 line-km of ground magnetics surveying was carried out between July 16th and September 20th, 1996. The ground magnetics survey utilized a combination of a Scintrex Envi Magnetometer with an EDA Omni IV base station. The Envi Mag is a proton precision magnetometer which measures and stores the earth's total magnetic field at a given point to an accuracy of +1nT. The EDA base station measures and stores in memory the daily fluctuations of the earth's magnetic field. At the end of each survey day the field data is merged with the base station data and automatic diurnal correction are applied to correct the field data (Klit, 1996; Appendix VI).

Horizontal Loop Electromagnetic (HLEM) Survey

The horizontal loop electromagnetics ("HLEM") survey was conducted between July 16th to September 20th, 1996. A total of 142.70 line-km of surveying was completed over several portions of the control grid area, mainly as profiling over specific geological features. This work was undertaken in attempt to identify major fault zones that might have controlled the massive sulphide mineralization and any significant sulphide mineralization worthy of immediate drill testing.

The ground horizontal loop electromagnetic survey utilized a portable MAXMIN II ground system manufactured by Apex Parametics Limited Toronto, Ontario, Canada. It is microprocessor controlled and links directly with an IBM AT field computer/printer system. The system can be operated at 110, 220, 440, 880, 1760, 3520, 7040, and 14080 hertz with coil separations of 12.5, 25, 50, 100, 125, 200, 250, 300 and 400 metres. Both the in-phase and quadrature components of the secondary magnetic field in percent of the primary field are measured at each station and plotted at the mid-point between the receiver and transmitter coils. At the end of each survey day, the stored data is dumped into a computer via a serial link for processing by means of commercial software, (Klit, 1996; Appendix VI).

Appendix VI of this report contains the geophysical report prepared by Mr. Daniel A. Klit of Lloyd Geophysics Inc. It documents the geophysical survey results, and contains recommendations for further exploration work based upon the geophysical results.

STATEMENT OF 1996 EXPLORATION EXPENDITURES

The following exploration expenditures are for the period of June 15 to November 30, 1996 and are exclusive to the subjects of this report (Columbia Gold Mines Ltd., 1996).

Analysis - Geochemical (2,256 Samples: Min-En & Chemex Laboratories)	CDN $ 17,199.30
Accommodation	22,117.73
Consulting - Geological (Minorex Consulting)	4,952.00
Consulting - Prospecting	3,250.00
Drafting, Maps, Prints	1,237.13
Expediting	4,268.49
Equipment Lease / Rentals	2,002.04
Equipment - Consumables	5,150.13
Fuel	11,380.22
Salary & Wages (John S. Brock Ltd.)	27,198.38
Surveys - Geophysical (Lloyd Geophysics - 142.8 km)	71,020.43
Surveys - Linecutting (Coureur Des Bois - 151.9 km)	111,925.00
Transportation - Airlines	4,947.95
Transportation - Fixed Wing (Watson Lake Flying Services)	14,750.28
Transportation - Helicopter (Trans North Turbo Air)	32,820.96
Transportation - Freight (Bandstra)	2,865.54
TOTAL	**CDN $ 337,085.58**

DISCUSSION OF EXPLORATION RESULTS

The 1996 geochemical and geophysical surveying successfully delineated the trend and apparent surficial dimensions of the poorly-exposed VMS mineralization within the Kona survey control grid area, and identified several coincident anomalies within the other two survey control grid areas. Furthermore, prospecting discovered two new mineral showings and a mineralized boulder train within the Kona Creek drainage. There are now several excellent exploration targets on the property that have only received surficial investigations and should be thoroughly evaluated by diamond drilling during the next phase of exploration work.

The following text summarizes the prospecting, and geochemical and geophysical surveying results from the 1996 exploration program. A detailed description of the geophysical survey, and the geochemical sample descriptions and analytical results have been appendicized with this report.

PROSPECTING AND ROCK GEOCHEMICAL SAMPLING RESULTS

During a four-day period, the prospectors discovered two new mineralized showings and a mineralized boulder train within the Kona Creek cirque area. One new mineral showing of volcanogenic massive sulphide mineralization is situated approximately 150 m east of the north fork of Kona Creek. Two samples (No. 160028 and 169031) were collected from outcrop and subcrop at this showing containing chalcopyrite-pyrite mineralization hosted by chlorite schist. Sample 169028 returned grades of 1.71 percent copper, 0.30 gpT gold and 5.9 gpT silver with low lead and zinc values; and sample 169031 returned grades of 1.54 percent copper, 0.38 gpT gold and 5.7 gpT silver with insignificant lead and zinc values. The second new mineral showing is situated south of Kona Creek, approximately 350 to 400 m west of the confluence of the north and south forks of the creek. A sample of massive magnetite mineralization hosted by chlorite schist returned geochemical values of copper (240 ppm) and zinc (238 ppm) with very low gold, silver and lead geochemical values.

The recently-discovered mineralized boulder train is situated near the southwestern corner of the Kona survey control grid, and it is both interesting and encouraging for further detailed exploration since it contains significant zinc values. Many of the float boulders have massive and semi-massive pyrite, pyrrhotite, chalcopyrite and/or sphalerite mineralization hosted by chlorite schist, similar to the known mineralization. Sample 169026 with massive pyrite-chalcopyrite mineralization at grid coordinates 112000 N by 14750 E returned 3.77 percent copper, 0.91 gpT gold, 8.50 gpT silver and 0.29 percent zinc; sample 169027 with massive and semi-massive pyrite-chalcopyrite mineralization at grid coordinates 111900 N by 14825 E returned 3.10 percent copper, 2.26 gpT gold, 10.80 gpT silver and 1.99 percent zinc; and Sample 169031 with chalcopyrite mineralization returned 1.54 percent copper, 0.38 gpT gold, 5.70 gpT silver and 0.01 percent zinc. See Figure 13 of this report for the location of these samples.

The Lake survey grid area was prospected over a six day period to locate and sample reported mineral showings documented by Cassiar Asbestos, Atlas Explorations and Placer Dome, and any mineralized bedrock spatially-associated with coincident soil geochemical and geophysical anomalies. Mineralized float boulders were discovered along the Outfitters Creek drainage that probably came from Showing 13, a known showing on the north-facing slopes of the creek (see Figure 5). Three samples of the mineralized float returned 0.02 to 9.26 gpT gold, 6.9 to 128.30 gpT silver, 1.79 to 5.29 percent zinc and 0.17 to 0.96 percent lead but quite low (less than 0.16 percent) copper values. No mineral showings were discovered in the vicinity of the coincident soil geochemical and geophysical anomalies (see Fig. 13).

Weakly mineralized float boulders from drainages within the northeastern section of the Dub grid area were sampled but these samples returned only geochemically-anomalous copper values. Due to the paucity of outcrop, prospecting was unsuccessful in locating the source(s) of the coincident soil geochemical and geophysical anomalies (see Figures 14, and 33-1 to 33-3).

TABLE II

Summary of Rock Geochemical Sampling Results

Sample No.	U.T.M. Northing	U.T.M. Easting	Survey Grid Northing	Survey Grid Easting	Sample Description	Gold ppb	Gold gpT	Silver ppm	Silver gpT	Copper ppm	Copper %	Zinc ppm	Zinc %	Lead ppm	Lead %	Cobalt ppm	Cobalt %
169012	6787500	420240	110020	15980	Talus from Upper Lake zone; probably from galena showing No. 13; limonitic basalt(?) with galena.		9.26		128.3		0.16		1.79		0.96		
169018	6787620	420580	110000	16150	Talus with galena from Upper Lake zone.		0.02		6.9		0.02		5.29		0.17		
169019	6787610	420580	109080	16150	Talus from Upper Lake zone containing arsenopyrite disseminations.		5.50		27.5		0.06		2.07		0.77		
169020	6786260	418620	109300	14100	Phyllite with traces of pyrrhotite, chalcopyrite and magnetite.	2		1.3		113		155		40		24	
169022	6784090	419250	107100	13850	Rusty quartz-biotite gneiss with disseminated magnetite and chalcopyrite.	6		0.5		291		49		1		28	
169023	6784180	419350	107050	14150	Rusty quartz-biotite gneiss with disseminated magnetite and chalcopyrite.	5		1.3		77		45		1		34	
169024	6784500	419000	107500	13850	1 to 5 cm band of chalcopyrite-pyrite in rusty quartz-biotite gneiss. Chalcopyrite traceable for up to 30 m along band.		0.07		5.1		1.02		0.02		0.01		0.009
169025	6788770	41920			Massive magnetite in tributary of Kona Creek, west-southwest of 'D' zone.	2		1.6		240		238		30		19	
169026	6788990	418320	112000	14750	Float boulders of massive pyrite and chalcopyrite.		0.91		8.5		3.79		0.29		0.01		0.091
169027	678880	418390	111825	14825	Float boulders of massive and semi-massive pyrite, chalcopyrite and ~ 8% sphalerite.		2.26		10.8		3.10		1.99		0.01		0.242
169028	6789672	418974	112180	15645	Chalcopyrite and pyrite in chlorite schist.		0.30		5.9		1.17		0.02		0.01		0.003

TABLE II

Summary of Rock Geochemical Sampling Results

Sample No.	U.T.M. Northing	U.T.M. Easting	Survey Grid Northing	Survey Grid Easting	Sample Description	Gold ppb	Gold gpT	Silver ppm	Silver gpT	Copper ppm	Copper %	Zinc ppm	Zinc %	Lead ppm	Lead %	Cobalt ppm	Cobalt %
169029	6779320	422640	101550	15500	Magnetite in mafic volcanics (chlorite schist) with epidote clots, and traces of pyryite & chalcopyrite.	1		0.9		55		52		1		33	
169030	6788830	418300	111835	14745	Massive sulphide boulders with pyrite, pyrrhotite, chalcopyrite and sphalerite.		0.04		7.6		3.45		0.09		0.01		0.047
169031	6789672	418974	112180	15645	Subcrop of chlorite schist with chalcopyrite and pyrite; similar to 169028.		0.38		5.7		1.54		0.01		0.01		0.002
169032	6782450	422280			Light green, chlorite-epidote schist with 50% disseminated pyrite.	7		0.8		144		15		1		39	
169033	6783530	422830			Float of rusty dark green chlorite schist with 5% disseminated pyrite and minor hematite.	4		0.5		222		60		1		26	
169034	6783530	442830			Float of basic volcanics composed of hornblende or augite and hosting magnetite disseminations.	6		0.5		336		35		1		74	

SOIL GEOCHEMICAL SURVEY RESULTS

The soil geochemical survey identified several continuous and coincident copper-, cobalt- and zinc-in-soil anomalies spatially-associated with ground magnetic and/or HLEM anomalies and favourable geological settings within the three grid areas. Based on the frequency and distribution of the statistically-anomalous pathfinder elements included in the 31-element I.C.P. analyses it was determined that copper, cobalt and zinc were the most indicative elements for the known and inferred volcanogenic massive sulphide mineralization. The copper- and zinc-in-soil values are contoured at 100 ppm intervals, and cobalt values are contoured at 5 ppm intervals over 10 ppm. Copper-, cobalt- and zinc-in-soil results from the 1991 Placer Dome soil geochemical survey (Stroshein, 1991) were incorporated into the soil geochemical database. The copper-, cobalt- and zinc-in-soil geochemical results have been plotted as Figures 16A to 18C-3 of this report, and the 1996 soil sample descriptions and analytical results accompany this report as Appendices II and III respectively.

Kona Grid

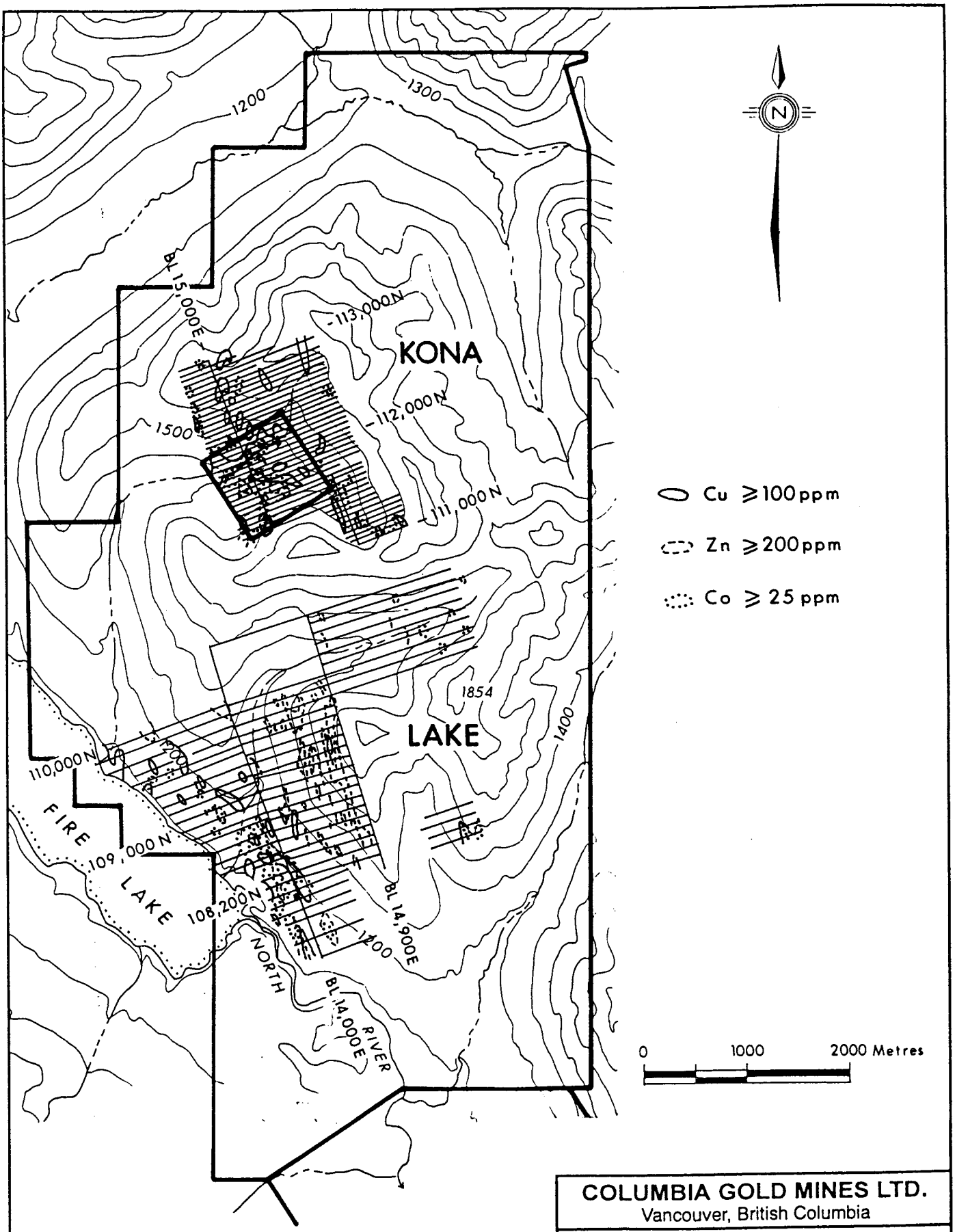
A semi-continuous linear trend of copper- and cobalt-in-soil geochemical anomalies with elevated zinc-in-soil values coincides with the trend of anomalous ground magnetic and HLEM geophysical anomalies from the volcanogenic massive sulphide mineral showings along the headwaters of Kona Creek, near grid coordinates 111400 N by 15600 E, north-northwesterly to the northern ridge of the cirque. Most of the soil geochemical anomalies are, however, concentrated between and along the two forks of Kona Creek. Sharp eastern and gradational western limits for many of these anomalies, plus their concentration along the drainages, probably reflect glacial and alluvial soil transportation with some downslope dispersion. The soil geochemical values appear to decrease northward from the north fork of Kona Creek, possibly reflecting alpine glacial soil transport, more chert-hosted mineralization, and/or deeper overburden (see Figures 16A to 16C).

Several weakly anomalous copper- and cobalt-in-soil values parallel a weak ground magnetics anomaly from grid coordinates 112600 N by 15400 E to 112950 N by 15250 E, east of the main soil geochemical-geophysical trend. Reconnaissance geological mapping in the vicinity of this anomaly discovered a 1-metre wide limonitic horizon of siliceous volcaniclastics and chert, intercalated with mafic volcaniclastic and overlying mafic volcanic rock units, hosting local pyrite and minor chalcopyrite mineralization. These preliminary geological, geochemical and geophysical results may be indicating another untested iron formation horizon.

Anomalous copper-, cobalt- and weakly anomalous zinc-in-soil geochemical values occur in the southeastern portion of the Kona grid, within a small cirque south of the confluence of the two forks of Kona Creek. These anomalous soil values are not associated with any known mineralization, and they are not attributable to glacial transport. Thus, they may be reflecting undiscovered mineralization or a displaced portion of some known mineralized horizon.

Single and double-site soil geochemical anomalies occur east of the main anomalous soil geochemical trend from grid coordinates 111,900 N by 15500 E to 112,050 N by 15,700 E. These isolated sample sites returned some of the highest copper- and cobalt-in-soil values found on the property. It is unlikely that these isolated soil anomalies are alluvial or glacial transported since they occur higher in elevation than Kona Creek and apparently up-ice from the inferred trend of the known VMS mineralization. There are no bedrock exposures in the immediate vicinity but the location of these anomalies is near the projected trace of the 'Upper' mineralized horizon based on drilling to the south and west.

Some higher sub-anomalous cobalt-in-soil values occur in the southeastern portion of the grid area; apparently underlain by phyllitic metasedimentary rocks. It is speculated that these higher cobalt-in-soil values may be reflecting some thin mafic volcanic units which are known to be intercalated with the dominantly metasedimentary lithologies.



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SOIL GEOCHEMICAL PLAN

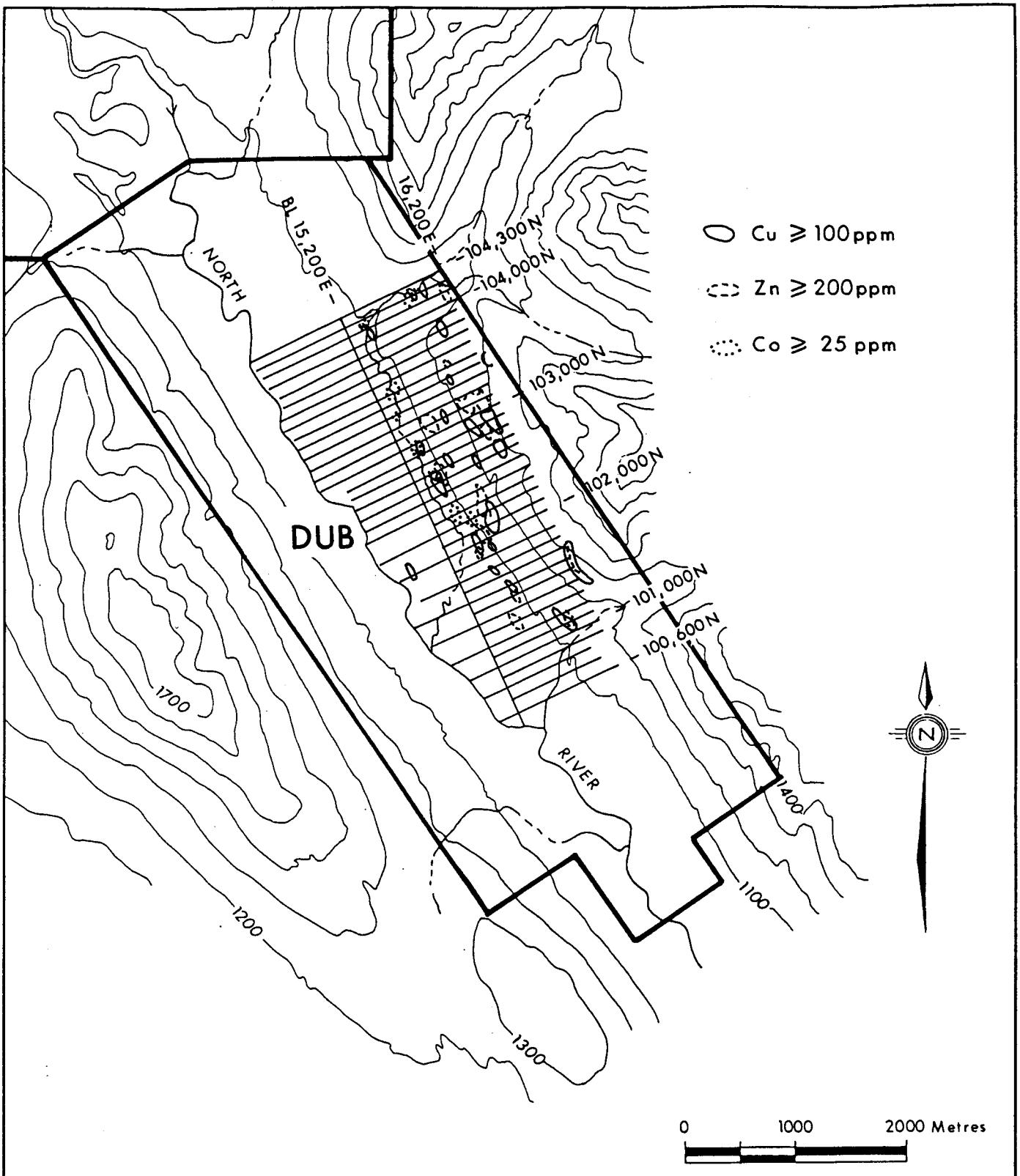
NORTH-HALF

FYRE LAKE PROPERTY

Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.	Scale: 1:50,000
Date: Dec. , 1996	Figure No. 11

To Accompany Report By J. D. Blanchflower, P. Geo.
J.R. Deighton, P. Geo.



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SOIL GEOCHEMICAL PLAN

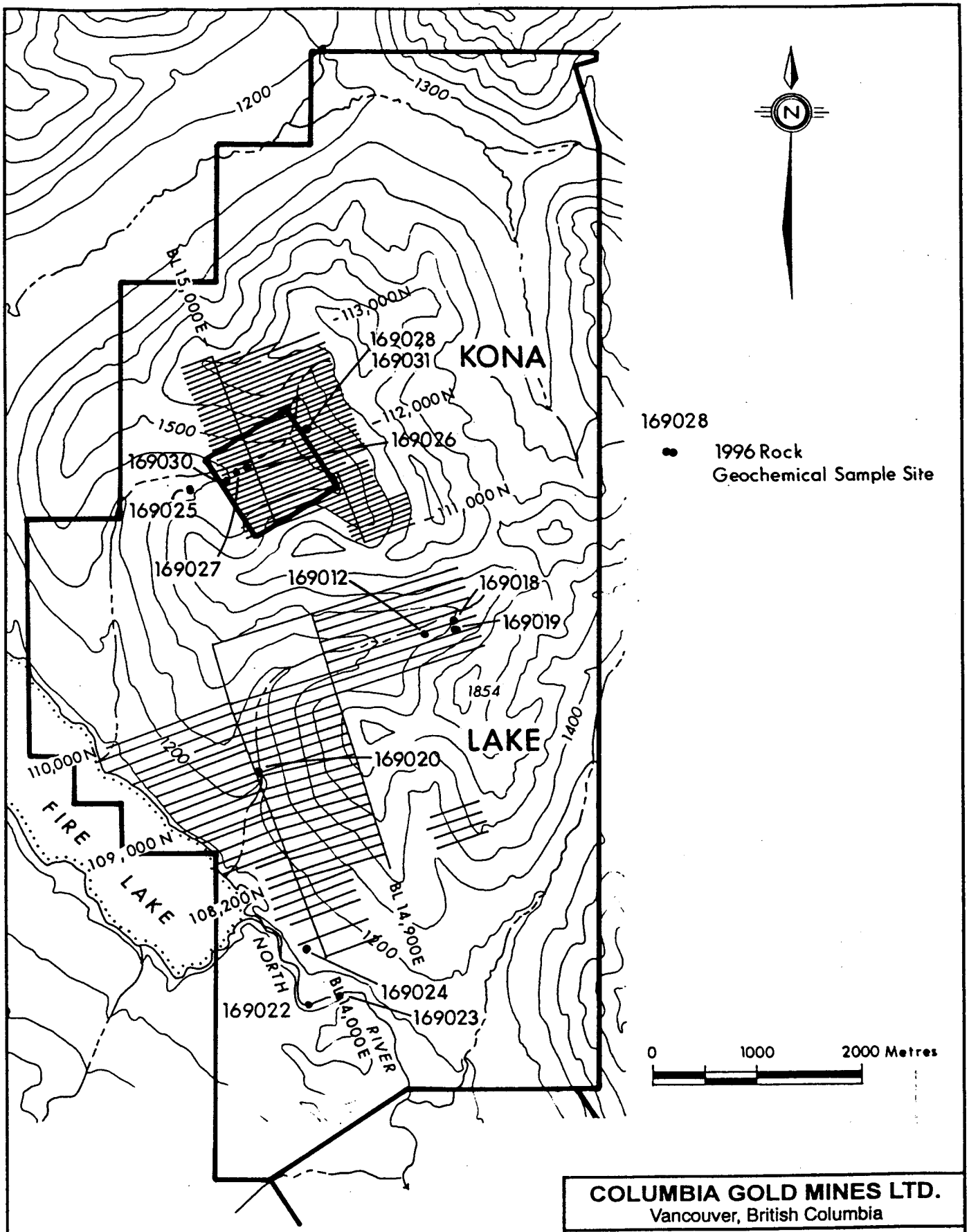
SOUTH-HALF

FYRE LAKE PROPERTY

Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.	Scale: 1:50,000
Date: Dec., 1996	Figure No. 12

To Accompany Report By J. D. Blanchflower, P. Geo.
J.R. Deighton, P. Geo.



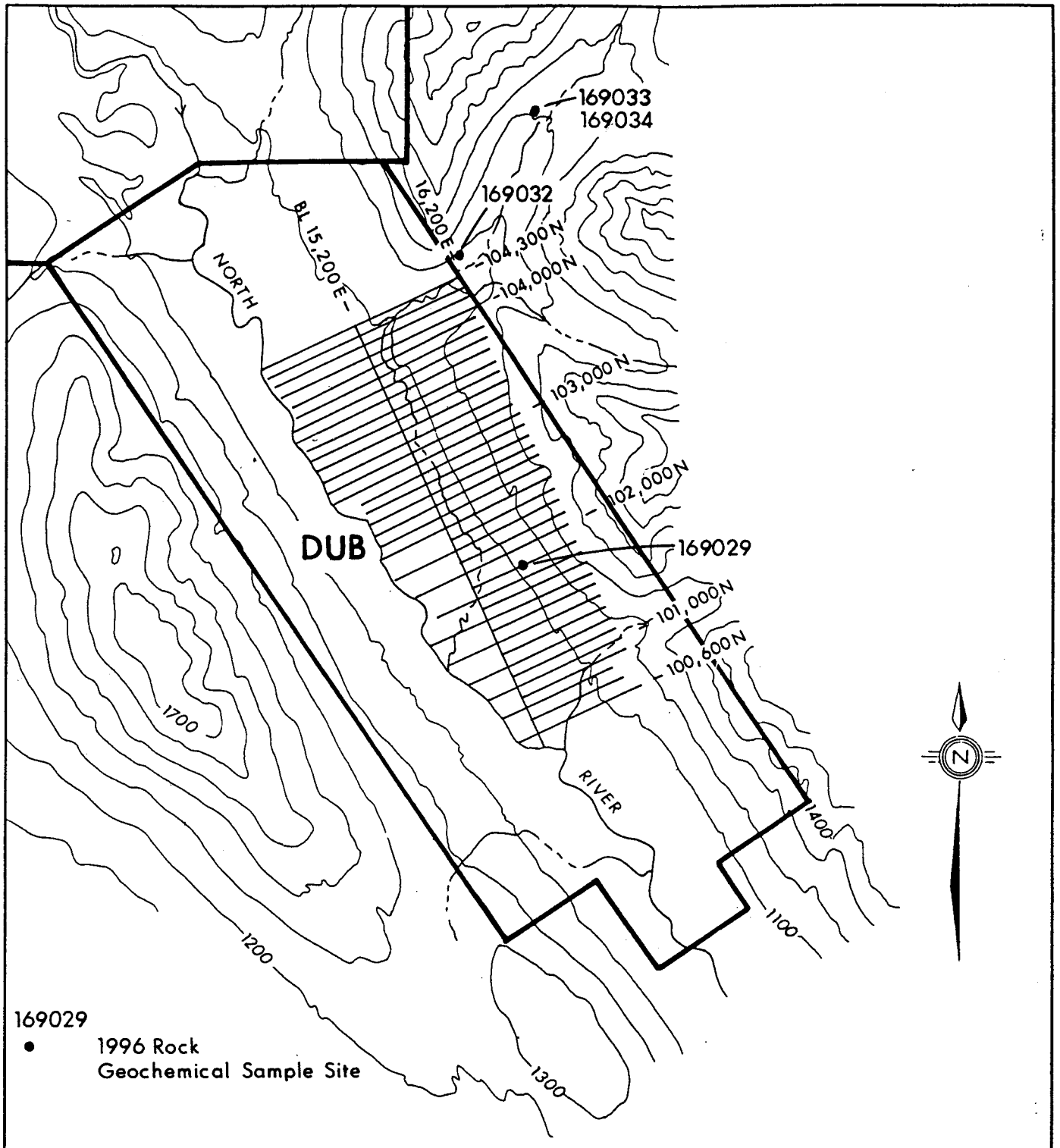
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Vancouver, British Columbia

ROCK GEOCHEMICAL PLAN

FYRE LAKE PROPERTY
Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.	Scale: 1:50,000
Date: Dec., 1996	Figure No. 13

To Accompany Report By J. D. Blanchflower, P. Geo.
J.R. Deighton, P. Geo.



MINOREX CONSULTING LTD.
Geological Consultants, Delta, British Columbia

COLUMBIA GOLD MINES LTD.
Vancouver, British Columbia

ROCK GEOCHEMICAL PLAN

FYRE LAKE PROPERTY
Watson Lake Mining District, Yukon Territory

Drawn By: J.D.B., J.S.	Scale: 1:50,000
Date: Dec., 1996	Figure No. 14

To Accompany Report By J. D. Blanchflower, P. Geo.

Lake Grid

A semi-continuous trend of copper- and cobalt-in-soil geochemical anomalies with elevated zinc-in-soil values extends north-northwestward from line 108100 N by 14000 E to 109800 N by 13300 E. The highest copper- and cobalt-in-soil values are 734 and 79 ppm respectively while the zinc-in-soil values are commonly less than 1000 ppm but consistently higher than the surrounding area. Higher zinc-in-soil geochemical values occur downslope of the main copper- and cobalt-in-soil trend indicating some slope dispersion, and they continue northward to grid coordinates 110000 N. To the south-southeast, the coincident copper-, cobalt- and zinc-in-soil anomaly coincides with anomalous ground magnetics and HLEM geophysical results but the geochemical trend diverges downslope and west of the geophysical anomaly in a north-northwesterly direction.

A second less-distinct trend of copper- and cobalt-in-soil anomalies with lower but elevated zinc-in-soil values occurs near or along the lake shore from grid coordinates 108500 N to 110000 N and may extend southward to 107600 N by 13850 E. This second soil geochemical trend is somewhat displaced from the well-defined trend of magnetics and HLEM anomalies upslope and to the east, suggesting that the geochemical trend may be reflecting possible peripheral or fault-displaced mineralization, deeper buried mineralization, downslope dispersion, or some combination of these factors.

A small cobalt-in-soil geochemical anomaly with weakly elevated zinc-in-soil values coincides with a ground magnetics and HLEM anomaly at or near the inferred stratigraphic contact of the metavolcanic and metasedimentary rocks along Outfitters Creek. This anomaly appears to confirm the south-southeasterly strike of the VMS mineralization from Kona Creek to Outfitters Creek beneath the intervening ridge.

Several single- and double-site copper-in-soil anomalies, ranging from 100 to 219 ppm, with associated cobalt- and zinc-in-soil values occur upslope and east of the 14000 E base line, near grid line 108800 N. These anomalies and the numerous zinc-in-soil anomalies from grid coordinates 108300 N to 109900 N, between 14150 and 14900 E, appear to be reflecting minor diagenetic sulphide mineralization hosted by carbonaceous fine-grained metasedimentary rocks occurring stratigraphically-above the favourable metavolcanic unit of the middle Layered Metamorphic Sequence (Stroshein, 1991). See Figures 17A-1 to 17C-4 accompanying this report for plots of the copper-, cobalt- and zinc-in-soil geochemical results.

Dub Grid

The soil geochemical results from the Dub grid are generally low and most of the soil geochemical anomalies are commonly isolated, due perhaps to more extensive and deeper alluvium in the area. The highest soil geochemical values are 1,278 ppm copper, 71 ppm cobalt and 954 ppm zinc. Nevertheless, several coincident copper-cobalt soil geochemical anomalies occur within the grid area that may be significant.

A series of north-northwesterly trending, single- or double-site copper-, cobalt- and zinc-in-soil geochemical anomalies occur along the trend of anomalous ground magnetics and HLEM results, from 101700 to 104300 N by 15300 to 15750 E (Klit, 1996). This coincident geochemical-geophysical feature appears to be reflecting a similarly-oriented but deeply-buried lithological or structural host for base metal mineralization. It is also reflected by the coincident airborne geophysical anomalies that were the reasons for acquiring the encompassing Dub and Edy mineral claims in 1996. However, recent prospecting and reconnaissance geological mapping along this feature failed to find any geological evidence to explain this geochemical-geophysical feature. Further exploration of this feature will require widely-spaced diamond drilling to penetrate the alluvial cover.

Along the eastern side of the Dub grid, from grid coordinates 101100 to 104000 N by 15800 to 16200 E, there is a series of isolated anomalies with coincident copper-, cobalt- and zinc-in-soil geochemistry. These single- or double-site anomalies are upslope of the main geophysical-geochemical trend and do not coincide with any significant magnetic or HLEM features. Nevertheless, they should be investigated during any forthcoming exploration work to determine their sources.

The copper-, cobalt- and zinc-in-soil geochemical results have been plotted and accompany this report as Figures 18A-1 to 18C-3.

GEOPHYSICAL SURVEY RESULTS

The following text is quoted from "A Summary Report on Ground Magnetic and Horizontal Loop-EM Surveys on the Fyre Lake Project, Watson Lake Mining District, Yukon Territory" by Daniel A. Klit (1996) which accompanies this report as Appendix VI.

"

KONA GRID

The HLEM and magnetic surveys on the Kona grid have both delineated an extensive northwest-southeast trending structure (see Fig. 31) which is over 1800 metres in length.

In the northwest portion of the grid the EM conductor is considered to be poor and is associated with magnetic highs scattered along the same trend as the conductor from about 14700E on Line 112900N to about 15150E on Line 112250N. South of line 112250N the magnetic response along this trend is somewhat more intense with changes in amplitude of over 2000nT. These dipolar responses are indicative of a near surface source along this axis with the mag highs generally being associated with the conductors.

Continuing southwest along this axis (from about 15500E on line 111700N to 15650E on line 111400N) the EM conductor now shows a good strong response which coincides with a sharp increase in the magnetic response from about 6500nT on the northeast side of the conductor to over 9000nT southwest of the conductor.

LAKE GRID

The HLEM survey on the Lake grid delineated a number of conductors all of which have either a grid north-south on northwest-southeast trend (see figs 32-1 to 32-4). On figures 25-1, 26-1 and 27-1, the HLEM profile maps a continuous, well defined EM conductors striking roughly grid north-south from about 14000E on line 109100N to about 13975E on line 108100N is coincident with a magnetic high. The conductor is well defined on the southern end and its signature suggests a shallow source with shallow dip to the east. The conductor weakens to the north and the mag high is about is about 500nT lower in amplitude suggesting that the conductor may be somewhat deeper here. An east-west striking fault appears to truncate this conductor at its northern end.

On the northern portion of the Lake grid there are two weak parallel conductors which are about 400 metres apart. The western conductor is mainly described by the out-of-phase response with little or no response from the in-phase component. The magnetic response associated with this conductor is low amplitude and in the order of a few hundred nano-teslas. The second conductor to the west trends from about 13500E on line 109900N to 13850E on line 109200N. The magnetic response associat3ed with this conductor is much higher in amplitude with increases of over 1000nT across 25 metres. Both of these parallel conductors appear to be terminated by the previously described east-west striking fault.

Towards the centre of the lake grid a well defined conductor trends from about 14350E on line 109500N to 14450E on line 108500N. This conductor has an apparent dip to the east and is associated with only minor changes in the magnetic response (a few hundred nT).

In the northeast area of the Lake grid (figs 20-3, 25-3, 26-3, 27-3 and 32-3) the magnetic response is generally flat and low (about 7800nT) to the west of 15650E. To the east of this the magnetics are somewhat more active with values ranging from 7500nT to 9000nT with the majority of the magnetic response being moderately high (between 8000nT and 8500nT). The HLEM survey in this area produced a plethora of conductors in the vicinity of active magnetics and only one narrow and isolated conductor to the west in the area with no significant response.

It is believed that a number of the conductors to the east are a result of geologic noise or varying thickness of overburden. Those conductors considered to be significant are along the contact delineated by the increase magnetic response and have been plotted on figure 32-3.

DUB GRID

A long continuous north-south conductor with a strike length of 3 kilometres was delineated on the Dub grid. An intense mag high is associated with this conductor along its entire length and is most probably caused by a magnetite bearing iron formation. Mag values to the east and west of the conductor are relatively low and uninteresting. In the centre of the grid between lines 102200N and 103000N the magnetic contrast is extremely high increasing from a low of 7000nT to over 13000nT within a few tens of metres. This dipolar signature is very similar to that on the Kona grid, however here the EM conductors appear to be on the flanks rather than the peaks of the mag highs."

EXPLORATION POTENTIAL

The exploration potential of the Fyre Lake property is excellent and further detailed diamond drilling is warranted. Such drilling should be prioritized to continue evaluating the economic potential of the recently-discovered VMS copper-cobalt-gold mineralization within the Kona zone while beginning to assess the coincident geological, geochemical and geophysical anomalies within the Lake and Dub grid areas.

Many of the geologists who have worked on the property, especially those who have mapped and sampled the Kona Creek cirque mineral showings, have stated that the in-situ mineralization has many similarities to that of 'Besshi-type' volcanogenic massive sulphide mineralization. According to Franklin *et al.* (1981), the 'Besshi' group of massive sulphide deposits occurs in strata consisting of subequal amounts of clastic sedimentary rocks and basalt. They typically contain chalcopyrite and pyrite, with lesser sphalerite, and are stratiform bodies with little or no evidence of stringer zones. It has been noted that their setting is commonly close to a tectonic boundary such as between an ocean floor and an island arc, an ocean floor and a craton, or an ocean floor and continental crust.

The Besshi volcanogenic massive sulphide deposits in Japan, the model for these type of deposits, occur in the metamorphosed upper Paleozoic volcanic and sedimentary rocks of the Sambagawa Schist Group in the Shikoku and Iimori districts. The deposits lie close to the abundant volcanic strata (greenschists) and commonly near the transition to more dominantly sedimentary, siliceous strata. Although the deposits vary in detailed stratigraphic position with the Minawa (Besshi district) and Iimori (Iimori district) Formations, the main Besshi ore bodies typically lie in a central member of the Minawa Formation. The deposits have a mafic volcanic rock (greenschist) beneath the ore and are

immediately overlain by piedmontite-bearing siliceous schist. Magnetite-rich layers (iron-formation) occur within the siliceous schist. The deposits consist of exceptionally elongate to tabular massive ore zones. The Besshi deposit is 1,800 m in strike length; individual ore beds attain a maximum thickness of 10 to 20 m. In most deposits folding locally increases the thickness of the ore (Franklin *et al.*, 1981).

Most of the Besshi deposits are comprised of two types of ore, massive and banded sulphides. In addition, some deposits have local copper-rich structurally-thickened zones. The massive ores contain pyrite, chalcopyrite, sphalerite, and bornite, with minor magnetite, and quartz and calcite as gangue minerals. The banded ore dominantly consists of pyrite, with lesser chalcopyrite and sphalerite in a gangue of quartz, carbonate, albite, chlorite and minor epidote, amphiboles and tourmaline. Sulphides and gangue are present in subequal amounts. The massive and banded ores are mutually transitional. Locally, sulphides have been remobilized into faults and fractures, forming very copper-rich ore containing pyrrhotite which is otherwise quite rare in this deposit type (Franklin *et al.*, 1981).

The average copper content of the Besshi ores is 1.40 percent with massive ores containing 3 percent copper on average. The total production to 1970 from the Besshi deposits was 28 million metric tons containing 2.46 percent copper. The ores typically contained 0.3 to 0.9 percent zinc and 20 to 200 ppm lead with zinc/lead ratios of 0.1:0.3; a few deposits have ratios of 0.3:1.0. In general, Besshi-type ores contain much higher cobalt contents (1,000 ± 200 ppm) than those of the Kuroko district, and cobalt is contained almost entirely in pyrite. The ores are all recrystallized, fine-grained aggregates; grain size increases with metamorphic grade (Franklin *et al.*, 1981).

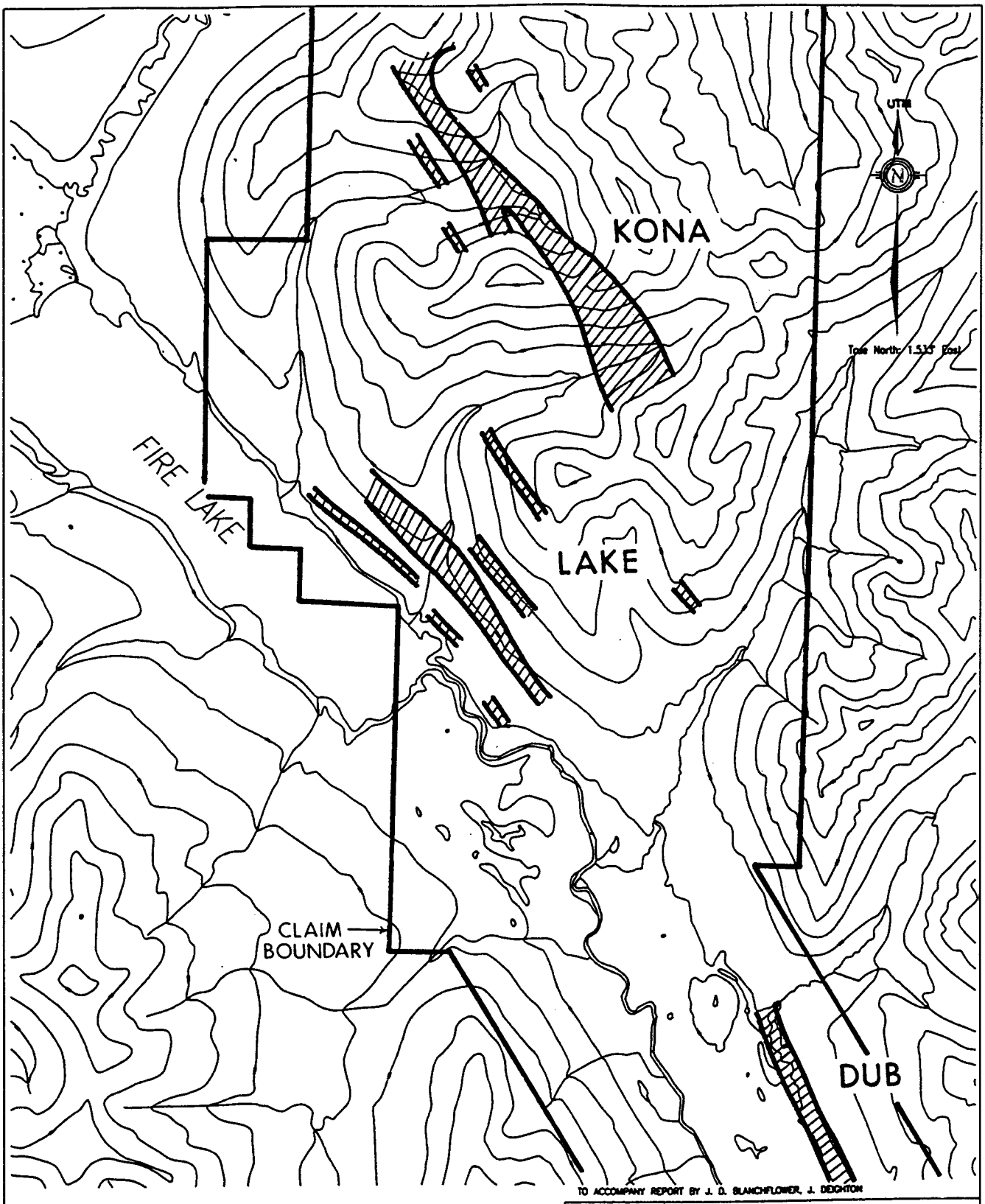
The results from the 1996 exploration program indicate that there is 'Besshi-type' volcanogenic copper-cobalt-gold (± zinc, silver) mineralization within the central Kona deposit that occurs as three distinct horizons of massive to semi-massive sulphide and magnetite mineralization over a combined thickness of 70 to 80 metres, a continuous strike length of more than 1,000 metres and widths in excess of 100 metres. This mineralization is dominantly hosted within the upper section of the chlorite-actinolite-quartz schist unit and immediately beneath the chlorite-actinolite-quartz schist and phyllite stratigraphic contact.

Coincident soil geochemical and geophysical anomalies and mineralized float boulders spatially-associated with the favourable metamorphosed Late Devonian mafic volcanic and volcaniclastic rocks occur along a six-kilometre northerly trend from the central Lake grid to the northern Kona grid. To date, only one kilometre of strike length in the southcentral portion of the Kona grid has been evaluated with detailed diamond drilling which has resulted in the discovery of a substantial VMS deposit. This deposit is open along both strike directions and downdip.

The Kona exploration target covers most of the known mineral occurrences within and north of the Kona Creek cirque. This target is of the highest priority and worthy of immediate definition diamond drilling.

The Lake exploration target covers a number of coincident geophysical and soil geochemical anomalies over a strike length of 3 kilometres on the eastern shore and west-facing slopes of Fire Lake. Exploratory diamond drilling will be required to further assess these target.

The coincident geophysical-geochemical anomaly along the central axis of the Dub grid should be investigated with exploratory diamond drilling to penetrate the deep alluvium.



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Vancouver, British Columbia, Canada

EXPLORATION TARGET PLAN

FYRE LAKE PROPERTY
Watson Lake Mining District, Yukon Territory

Tech work by: JDB, JD	Scale: 1 : 50 000
Date: December, 1996	Figure No.: 15

CONCLUSIONS

Prospecting work during the 1996 exploration program discovered two new mineralized showings and a mineralized boulder train within the Kona Creek cirque area. The sources of the coincident soil geochemical and geophysical anomalies within the Lake and Dub grid areas were not discovered due largely to the extensive overburden cover within these two grid areas.

Soil geochemical sampling within the Kona, Lake and Dub grid areas delineated a series of copper-, cobalt-, and/or zinc-in-soil anomalies coincident with the trend of ground magnetic anomalies and HLEM conductors. Several other coincident soil geochemical anomalies occur east and west of the main geochemical-geophysical trends indicating other possible untested mineralized horizons.

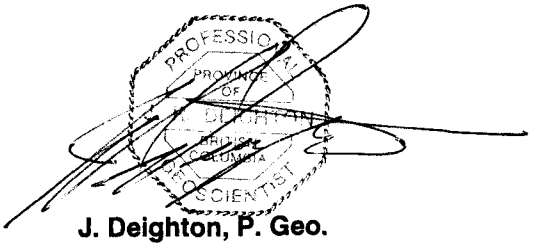
The geophysical surveys successfully delineated a number of continuous conductors within the three survey grids that appear to be associated with iron formations hosting volcanogenic massive sulphide mineralization. Ground magnetic and HLEM geophysical surveys within the Kona grid delineated an extensive 1,800-metre long, northwest-southeast trending structure interpreted to be the strike extensions of the Central Kona zone mineralization. In the northwestern portion of the surveyed area the electromagnetic conductor is associated with scattered magnetic highs along the same trend but southward the HLEM conductor shows a strong response coinciding with a sharp increase in the magnetic response; indicative of near-surface mineralization along the axis of the conductor. The strongest and most continuous HLEM conductor and magnetics within the Lake grid area occur along the inferred stratigraphic contact of lower metavolcanic and upper metasedimentary rocks, the likely stratigraphic interval for iron formation-hosted VMS mineralization. Secondary subparallel conductors occur east and west of the main geophysical target and across the headwaters of Outfitters Creek apparently reflecting other iron formations and the strike extensions of the Kona zone mineralization respectively. Within the Dub grid, the HLEM survey delineated a long continuous north-northwesterly trending conductor with a strike length of 3.2 kilometres. A magnetics high is associated with this conductor along its entire length indicates that there may be a magnetite-bearing iron formation beneath the extensive overburden cover.

The 1996 exploration program investigated three zones of known and inferred iron formation mineralization along a 13-kilometre strike length. The results of this work indicate that Fyre Lake property has very good exploration and economic potential. It is recommended that the newly-discovered VMS mineralization within the Kona zone and the coincident geological, geochemical, and/or geophysical anomalies within the Lake and Dub zones be evaluated with NQ-core diamond drilling. Furthermore, the property-wide geological, geochemical and geophysical surveying should be continued to fully evaluate the mineral claim holdings.

Submitted by,



J. Douglas Blanchflower, P. Geo.
Consulting Geologist



J. Deighton, P. Geo.
Geologist

STATEMENT OF QUALIFICATIONS

I, J. DOUGLAS BLANCHFLOWER, of the Municipality of Delta, Province of British Columbia, DO HEREBY CERTIFY THAT:

1) I am a Consulting Geologist with a business office at 11967 - 83A Avenue, Delta, British Columbia, V4C 2K2; and President of Minorex Consulting Ltd.

2) I am a graduate of Economic Geology with a Bachelor of Science, Honours Geology degree from the University of British Columbia in 1971.

3) I am a Registered Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia (No. 19086).

4) I am a Fellow of the Geological Association of Canada (No. F0046).

5) I have practised my profession as a geologist for the past twenty-five years.

   Pre-Graduate field experience in Geology, Geochemistry and Geophysics (1966 to 1970).

   Three years as Geologist with the B. C. Ministry of Energy, Mines and Petroleum Resources (1970 to 1972).

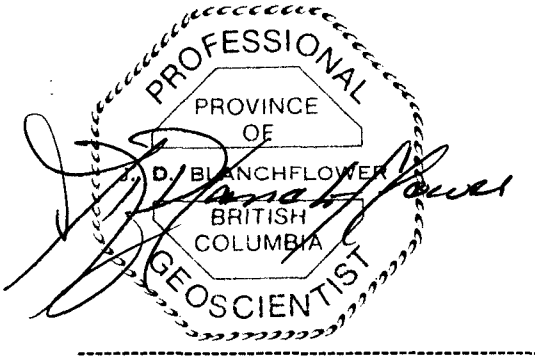
   Seven years as Exploration Geologist with Canadian Superior Exploration Limited (1972 to 1979).

   Three years as Exploration Geologist with Sulpetro Minerals Limited (1979 to 1982).

   Fourteen years as Consulting Geologist and President of Minorex Consulting Ltd. (1982 to 1996).

6) I own no direct, indirect or contingent interest in the subject claims, nor shares in or securities of **COLUMBIA GOLD MINES LTD.**

7) I supervised and managed the 1996 exploration field program on the subject property, and co-authored this report which documents the linecutting, prospecting, geochemical and geophysical work undertaken during of the 1996 exploration program.



J. Douglas Blanchflower, P. Geo.
Consulting Geologist

Dated at Delta, British Columbia, Canada this 31st day of December, 1996

STATEMENT OF QUALIFICATIONS

I, JOHN RAYMOND DEIGHTON, DO HEREBY CERTIFY THAT:

1. I am a professional geologist residing at 3250 West 33rd Avenue, Vancouver, British Columbia, Canada.

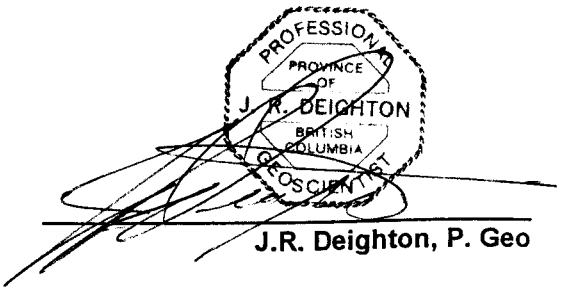
2. I am a graduate from the University of British Columbia with a Bachelor of Science degree in geology (1965).

3. I am professional geoscientist registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (No. 20411).

4. I have practiced my profession in mineral exploration for thirty-one years with numerous multinational mining corporations and junior mining companies.

5. I am a fellow of the Geological Association of Canada (No. F0899).

6. I am a member of the BC & Yukon Chamber of Mines.



J.R. Deighton, P. Geo

Dated at Vancouver, British Columbia, this 31st Day of October, 1996.

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APPENDIX I

Report on Control Surveying by ADW Engineering Ltd.

A.D.W. ENGINEERING LTD.
P.O. BOX 4379
SMITHERS, B.C. V0J 2N0
(604) 847-2221

Columbia Gold Mines Ltd.
15th Floor, 675 W. Hastings St.
Vancouver B.C.
V6B 1N2

December 11, 1996
File 96-467

Attn: Mr. Wayne Roberts

Re: Survey Control, Fire Claim

Dear Sir,

Survey Control was brought into the Fire Claim by GPS, established from Canadian Government Survey Control marker 67A18, and closed with Survey Control marker 67A17. A network adjustment was performed on the Survey.

The survey was done on June 24 to 28, 1996. The 1996 drill hole cutline was surveyed with total station theodolite from the GPS control as per the attached data.

On August 2 to 4, 1996, Drill Holes 96-1 to 96-31 were surveyed. On September 16 to 18, 1996, Drill Holes 96-32 to 96-66 were surveyed. As well 9 proposed drill hole locations, constructed drill pads, were surveyed at this time.

Regards,

Albert D.W. ~~Low,~~ AScT.

attch.

A.D.W. ENGINEERING LTD.

P.O. BOX 4379
SMITHERS, B.C. V0J 2N0
(604) 847-2221

Revision November 22, 1996

COLUMBIA GOLD PROPERTY

IN UTM GRID COORDINATES

STATION	NORTHING	EASTING	ELEVATION
DH 96-1	6789204.72	419017.03	1477.70
DH 96-2	6789204.72	419017.03	1477.63
DH 96-3	6789204.72	419017.03	1477.58
DH 96-4	6789207.19	418959.42	1472.27
DH 96-5	6789207.19	418959.42	1472.25
DH 96-6	6789235.89	418941.15	1472.84
DH 96-7	6789235.89	418941.15	1472.77
DH 96-8	6789253.83	418987.87	1478.31
DH 96-9	6789253.83	418987.87	1478.26
DH 96-10	6789221.70	419063.44	1481.45
DH 96-11	6789248.30	418882.34	1470.83
DH 96-12	6789248.30	418882.34	1470.93
DH 96-13	6789161.62	419049.42	1482.36
DH 96-14	6789161.25	419049.56	1482.39
DH 96-15	6789160.84	419049.73	1482.37
DH 96-16	6789180.01	419095.41	1481.72
DH 96-17	6789179.49	419095.54	1481.84
DH 96-18	6789131.36	419114.62	1494.78
DH 96-19	6789131.88	419114.41	1494.64
DH 96-20	6789132.09	419114.30	1494.53
DH 96-21	6789085.85	419132.63	1522.22
DH 96-22	6789085.14	419133.04	1522.15
DH 96-23	6789085.66	419132.74	1522.07
DH 96-24	6789143.96	419002.78	1484.81
DH 96-25	6789143.18	419003.00	1485.03
DH 96-26	6789115.86	419066.39	1502.79
DH 96-27	6789114.92	419066.61	1502.79
DH 96-28	6789105.40	419176.48	1497.89
DH 96-29	6789105.80	419176.74	1497.61
DH 96-30	6789105.96	419176.82	1497.49
DH 96-31	6789078.04	419243.95	1497.45
DH 96-32	6789078.72	419244.46	1497.18
DH 96-33	6789061.19	419194.79	1513.36
DH 96-34	6789060.79	419194.58	1513.46
DH 96-35	6789024.57	419259.46	1515.02
DH 96-36	6789024.57	419259.46	1515.02
DH 96-37	6789041.18	419141.22	1534.06

STATION	NORTHING	EASTING	ELEVATION
DH 96-38	6789040.79	419141.09	1534.15
DH 96-39	6789015.02	419217.24	1521.89
DH 96-40	6789014.79	419216.99	1522.20
DH 96-41	6789001.35	419326.99	1515.90
DH 96-42	6788999.99	419326.11	1515.50
DH 96-43	6788984.0	419285.0	
DH 96-44	6788984.0	419285.0	
DH 96-45	6788954.26	419345.44	1523.06
DH 96-46	6788955.02	419345.68	1522.59
DH 96-47	6788935.27	419295.49	1537.51
DH 96-48	6788906.55	419364.86	1539.19
DH 96-49	6789119.79	418800.99	1458.37
DH 96-50	6788907.21	419365.22	1538.75
DH 96-51	6788906.67	419365.18	1539.13
DH 96-52	6789118.94	418798.66	1458.55
DH 96-53	6789120.85	418803.50	1458.82
DH 96-54	6788974.09	419392.29	1534.63
DH 96-55	6789159.47	418758.36	1448.56
DH 96-56	6789159.65	418759.19	1448.61
DH 96-57	6789197.65	418743.23	1448.35
DH 96-58	6789197.94	418744.27	1448.74
DH 96-59	6789196.21	418739.52	1447.96
DH 96-60	6788831.67	419446.49	1571.15
DH 96-61	6788940.05	419562.67	1608.86
DH 96-62	6788926.94	419412.55	1540.24
DH 96-63	6788975.09	419667.66	1668.63
DH 96-64	6788808.12	419401.85	1577.38
DH 96-65	6788650.08	419578.60	1635.86
DH 96-66	6789081.74	418877.42	1507.49
DH 96-67	6789081.74	418877.42	1507.49
DH 96-68	6788749.07	419535.21	1600.76
DH 96-68A	6788749.07	419535.21	1600.76
DH 96-69	6789037.88	418878.96	1539.12
DH 96-70	6789037.88	418878.96	1539.12
DH 96-71	6789037.88	418878.96	1539.12
PROPOSED DRILL HOLE LOCATION/DRILL PAD			
PDH	6788837.17	419609.18	1612.69
PDH	6788886.80	419316.88	1551.05
PDH	6788999.09	418896.51	1563.34
PDH	6788988.19	419166.56	1543.55
PDH	6788990.67	418999.07	1575.56
PDH	6789365.73	418745.51	1466.46

OLD DH	6789467.41	418763.46	1479.16
OLD DH	6789445.16	418694.62	1474.56
OLD DH	6789422.89	418636.78	1461.71
OLD DH	6789135.96	418799.13	1449.90
OLD DH	6789231.57	418909.88	1470.27
BOULDER	6789190.7	418969.2	1471.1

Revision November 8, 1996

COLUMBIA GOLD PROPERTY

IN MINE GRID COORDINATES

STATION	NORTHING	EASTING	ELEVATION
DH 96-1	111728.3	15513.7	1477.7
DH 96-2	111727.1	15514.1	1477.6
DH 96-3	111727.6	15512.6	1477.5
DH 96-4	111749.7	15459.8	1472.3
DH 96-5	111748.6	15459.7	1472.3
DH 96-6	111781.8	15451.4	1472.8
DH 96-7	111781.1	15451.4	1472.8
DH 96-8	111784.9	15501.5	1478.3
DH 96-9	111783.7	15501.5	1478.3
DH 96-10	111729.7	15563.0	1481.5
DH 96-11	111811.6	15399.7	1470.8
DH 96-12	111512.7	15399.6	1470.9
DH 96-13	111676.8	15530.6	1482.4
DH 96-14	111676.4	15530.6	1482.7
DH 96-15	111675.9	15530.7	1482.6
DH 96-16	111679.9	15580.2	1481.8
DH 96-17	111679.4	15580.2	1481.9
DH 96-18	111628.4	15583.0	1494.6
DH 96-19	111628.4	15583.0	1494.6
DH 96-20	111628.4	15583.0	1494.6
DH 96-21	111578.4	15586.2	1522.2
DH 96-22	111578.4	15586.2	1522.2
DH 96-23	111578.4	15586.2	1522.2
DH 96-24	111674.0	15480.9	1485.4
DH 96-25	111674.0	15480.9	1485.4
DH 96-26	111627.1	15532.3	1503.0
DH 96-27	111627.1	15532.3	1503.0
DH 96-28	111583.9	15633.8	1497.6
DH 96-29	111583.9	15633.8	1497.6
DH 96-30	111583.9	15633.8	1497.6
DH 96-31	111536.3	15689.2	1497.6
DH 96-32	111536.3	15689.2	1497.2
DH 96-33	111535.8	15636.9	1513.4
DH 96-34	111535.8	15636.9	1513.5
DH 96-35	111480.9	15686.9	1515.0
DH 96-36	111480.9	15686.9	1515.0
DH 96-37	111533.6	15579.6	1534.1
DH 96-38	111533.6	15579.6	1534.2

DH 96-39	111485.1	15643.9	1522.0
DH 96-40	111485.1	15643.9	1522.0
DH 96-41	111437.5	15743.7	1515.9
DH 96-42	111437.5	15743.7	1515.5
DH 96-43	111434.6	15698.5	
DH 96-44	111434.6	15698.5	
DH 96-45	111387.0	15746.4	1523.1
DH 96-46	111387.0	15746.4	1522.6
DH 96-47	111384.7	15693.0	1537.5
DH 96-48	111335.6	15749.8	1539.2
DH 96-49	111715.7	15281.8	1458.4
DH 96-50	111335.6	15749.8	1538.8
DH 96-51	111335.6	15749.8	1539.1
DH 96-52	111715.7	15281.8	1458.6
DH 96-53	111715.7	15281.8	1458.8
DH 96-54	111391.1	15797.1	1534.6
DH 96-55	111766.7	15254.7	1448.6
DH 96-56	111766.7	15254.7	1448.6
DH 96-57	111807.7	15251.5	1448.4
DH 96-58	111807.7	15251.5	1448.7
DH 96-59	111807.7	15251.5	1448.0
DH 96-60	111238.9	15803.7	1571.2
DH 96-61	111305.1	15948.1	1608.9
DH 96-62	111340.0	15801.5	1540.2
DH 96-63	111305.3	16058.8	1668.6
DH 96-64	111230.6	15753.9	1577.4
DH 96-65	111024.9	15871.9	1635.9
DH 96-66	111655.5	15342.4	1507.5
DH 96-67	111655.5	15342.4	1507.5
DH 96-68	111132.5	15861.9	1600.8
DH 96-68A	111132.5	15861.9	1600.8
DH 96-69	111613.4	15330.0	1539.1
DH 96-70	111613.4	15330.0	1539.1
DH 96-71	111613.4	15330.0	1539.1

December 07, 1996

COLUMBIA GOLD PROPERTY

MINE GRID COORDINATES

CUT LINE

NORTHING	EASTING	NORTHING	EASTING
111100	15600	111111.66	15662.04
	15650	111122.55	15711.35
	15700	111125.25	15761.67
	15700	111230.45	15754.29
	15750	111129.23	15811.77
	15800	111132.30	15861.89
	15850	111136.20	15913.37
111150	15900	111192.74	15960.22
111300	15650	111331.89	15698.42
111400	15550	111427.55	15590.27
	15600	111430.72	15642.09
	15650	111434.15	15693.79
	15700	111437.51	15743.40
	15750	111441.13	15791.14
	15800	111444.33	15841.21
111450	15500	111472.71	15538.13
	15550	111474.98	15587.09
	15600	111478.14	15638.47
	15650	111520.93	15738.28
	15700	111484.87	15740.73
	15750	111489.88	15789.93
	15800	111493.21	15837.49
111500	15350	111529.47	15379.06
	15400	111530.76	15428.69
	15450	111532.46	15480.41
	15500	111533.56	15533.92
	15550	111534.33	15583.92
	15600	111535.62	15637.35
	15650	111537.82	15737.40
	15725	111537.47	15761.21
	15775	111538.57	15810.21
	15850	111540.04	15884.38
	15900	111541.04	15932.47

NORTHING	EASTING	NORTHING	EASTING
111550	15350	111571.61	15384.31
	15400	111573.07	15434.63
	15450	111574.29	15485.11
	15500	111577.42	15532.69
	15600	111577.04	15621.08
	15650	111583.67	15684.45
	15700	111586.32	15735.30
	15725	111587.35	15758.59
	15750	111588.51	15783.18
111550	15300	111570.82	15334.78
	15775	111590.11	15807.07
	15800	111591.13	15831.88
	15825	111593.25	15856.25
	15850	111594.09	15881.98
	15900	111597.43	15930.68
111600	15300	111613.16	15330.33
	15350	111619.19	15382.96
	15400	111621.79	15432.88
	15450	111624.38	15482.63
	15500	111627.14	15532.33
	15550	111628.39	15582.90
	15600	111633.06	15631.79
	15700	111638.52	15731.60
	15725	111640.80	15757.26
	15750	111642.27	15786.07
111650	15300	111660.89	15307.67
	15350	111667.18	15381.47
	15400	111670.65	15431.67
	15450	111674.00	15480.90
	15600	111683.61	15631.19
	15650	111687.07	15678.61
	15700	111690.17	15729.23
	15750	111693.09	15777.49
	15800	111695.91	15824.79
	15850	111697.07	15871.42
	15900	111700.78	15922.49
	15950	111702.79	15970.91
	16000	111704.83	16021.24
	16050	111707.03	16071.63
111700	15300	111716.33	15305.95
	15350	111718.97	15356.23
	15400	111721.45	15407.93
	15450	111724.62	15460.11
	15475	111726.84	15487.81

NORTHING	EASTING	NORTHING	EASTING
111700	15550	111731.66	15568.22
	15600	111733.94	15621.09
	15650	111737.41	15673.06
	15700	111740.07	15724.72
	15750	111743.83	15776.90
	15800	111747.21	15832.44
	15850	111750.13	15882.06
	15875	111750.84	15906.96
	15900	111751.98	15934.73
	15950	111754.42	15988.55
	16000	111756.80	16039.49
111750	15000	111750.04	14999.70
	15050	111751.81	15050.92
	15100	111755.36	15102.65
	15150	111758.90	15152.04
	15200	111762.81	15201.73
	15250	111766.58	15251.54
	15300	111770.52	15302.92
	15350	111773.73	15352.79
	15400	111777.37	15402.67
	15450	111781.56	15451.40
	15500	111784.96	15501.41
	15550	111788.73	15551.29
	15600	111791.91	15602.38
111800	15000	111799.95	14999.88
	15050	111800.85	15050.20
	15100	111802.41	15099.52
	15150	111804.09	15149.98
	15200	111806.50	15199.38
	15250	111807.45	15249.80
	15300	111809.14	15300.33
	15350	111810.84	15349.96
	15400	111812.83	15399.54
	15450	111814.34	15449.60
	15500	111815.55	15498.74
	15550	111817.24	15548.27
	15600	111818.87	15597.88
	15650	111820.15	15648.16
111850	15600	111875.30	15607.91
112100	15000	112099.64	14989.00
	15450	112110.15	15435.54

NORTHING	EASTING	NORTHING	EASTING
112150	15000	112148.21	14987.41
	15150	112151.37	15139.18
	15200	112152.05	15191.26
	15250	112153.05	15243.35
	15300	112153.97	15293.49
	15400	112155.71	15396.96
	15450	112156.52	15447.34
	15475	112156.40	15421.41
	15500	112157.13	15498.79
	15550	112158.07	15552.02
	15600	112158.85	15601.66
	15650	112159.46	15652.61
	15700	112159.97	15698.91
	15750	112160.49	15748.20
	15800	112161.05	15797.45
	15850	112161.72	15850.04
	15900	112161.99	15902.14
112200	15000	112200.33	14984.70
	15400	112217.99	15384.96
112250	15000	112254.03	14982.29
	15400	112265.46	15387.53
112300	14950	112306.77	14926.55
	15000	112306.93	14979.82
	15200	112312.84	15180.22
	15250	112314.16	15230.54
	15350	112317.08	15329.92
	15400	112318.02	15379.64
	15700	112330.13	15675.69
	15750	112331.22	15723.01
	15800	112333.54	15771.15
112350	14900	112355.66	15873.32
	15500	112374.26	15470.25
112400	14800	112374.72	14701.69
	15500	112426.15	15472.02
112450	14700	112449.35	14668.27
	15450	112477.32	15422.19
112500	14700	112507.55	14664.93
	15450	112521.29	15435.35
112550	14700	112558.09	14662.78
	15450	112574.50	15413.68

NORTHING	EASTING	NORTHING	EASTING
112600	14700	112609.14	14661.00
	15450	112423.65	15499.61
112650	14700	112661.80	14659.23
	15450	112684.59	15405.24
112700	14700	112723.44	14658.56
	15450	112719.02	15405.00
112750	14750	112765.42	14704.59
	15400	112783.57	15370.85
112800	14750	112808.93	14701.69
	15400	112837.33	15370.99
112850	14750	112866.48	14701.62
	15400	112882.76	15368.47
112900	15750	112915.39	14706.95
112950	15700	112962.42	14649.38

Fire Lake GPS Survey

**** Reference Coordinates ****

Station Short Name	Station ID	Latitude	Longitude	Height	Station Quality
120	120	61°21'23.45037" N	130°35'30.63274" W	2100.09876	Baseline Solutions
124	124	61°14'21.27070" N	130°29'52.53679" W	1939.67058	Baseline Solutions
122	122	61°22'43.49469" N	130°11'40.51272" W	1706.72050	Baseline Solutions
DH 67-2	DH 67-2	61°11'39.02559" N	130°30'37.19540" W	1186.56565	Baseline Solutions
DH 67-3	DH 67-3	61°11'41.09158" N	130°30'44.22021" W	1176.21271	Baseline Solutions
4655	4655	61°10'50.39717" N	130°28'26.47793" W	1173.84807	Baseline Solutions
4654	4654	61°12'11.28936" N	130°29'57.84879" W	1605.45283	Baseline Solutions
4640	4640	61°12'32.46009" N	130°30'13.54266" W	1579.57358	Baseline Solutions
4642	4642	61°14'11.24367" N	130°31'26.85536" W	1668.04773	Baseline Solutions
4658 (CAMP)	4658	61°12'31.53976" N	130°33'08.24126" W	1091.88105	Baseline Solutions
DH 66-1	DH 66-1	61°13'50.37778" N	130°30'55.59382" W	1462.46460	Baseline Solutions
rock	rock	61°13'49.50235" N	130°31'03.05062" W	1444.00389	Baseline Solutions
67a17	67a17	61°26'41.50409" N	130°38'24.45640" W	2040.47900	Fixed Control
121	121	61°15'49.87434" N	130°34'21.45567" W	1771.60004	Baseline Solutions
128	128	61°13'46.46959" N	130°33'00.34748" W	1514.60039	Baseline Solutions
126	126	61°13'15.34294" N	130°31'25.26082" W	1695.19639	Baseline Solutions
125	125	61°14'10.36258" N	130°30'58.24054" W	1730.12834	Baseline Solutions
123	123	61°18'11.57778" N	130°21'28.36708" W	1950.26792	Baseline Solutions
67a18	67a18	61°26'53.19178" N	130°06'22.82863" W	1761.74700	Fixed Control

**** Adjusted Coordinates ****

Projection Group UTM
Zone Name: 9
Linear Units: meter
Angular Units: degrees
Datum Name: NAD-83

Station Short Name	Station ID	North	East	Ortho. Height	Ellip. Height
120	120	6803536.38498	414876.91888	0.00000	2098.86265
121	121	6793192.33754	415655.83892	0.00000	1770.60895
122	122	6805559.52709	436163.11865	0.00000	1706.46979
123	123	6797317.90618	427263.02056	0.00000	1949.76945
124	124	6790357.24400	419598.80455	0.00000	1938.92872
125	125	6790042.38565	418611.48073	0.00000	1729.40778
126	126	6788349.72322	418168.95688	0.00000	1694.47540
128	128	6789345.96396	416773.44701	0.00000	1513.87716
4640	4640	6786998.36850	419208.22047	0.00000	1578.85116
4642	4642	6790079.56426	418185.49355	0.00000	1667.32641
4654	4654	6786338.07253	419427.38654	0.00000	1604.73072
4655	4655	6783804.64982	420734.68147	0.00000	1173.12062
4658 (CAMP)	4658	6787030.82591	416600.69249	0.00000	1091.15261
67a17	67a17	6813439.37600	412542.13400	0.00000	2040.47900
67a18	67a18	6813201.69760	441009.37927	0.00000	1761.74700
DH 66-1	DH 66-1	6789423.23974	418636.60748	0.00000	1461.74074
DH 67-2	DH 67-2	6785353.51118	418817.08903	0.00000	1185.83837
DH 67-3	DH 67-3	6785419.84619	418713.69318	0.00000	1175.48530
rock	rock	6789398.73826	418524.78451	0.00000	1443.27981

FIRE LAKE UTM CONTROL SURVEY

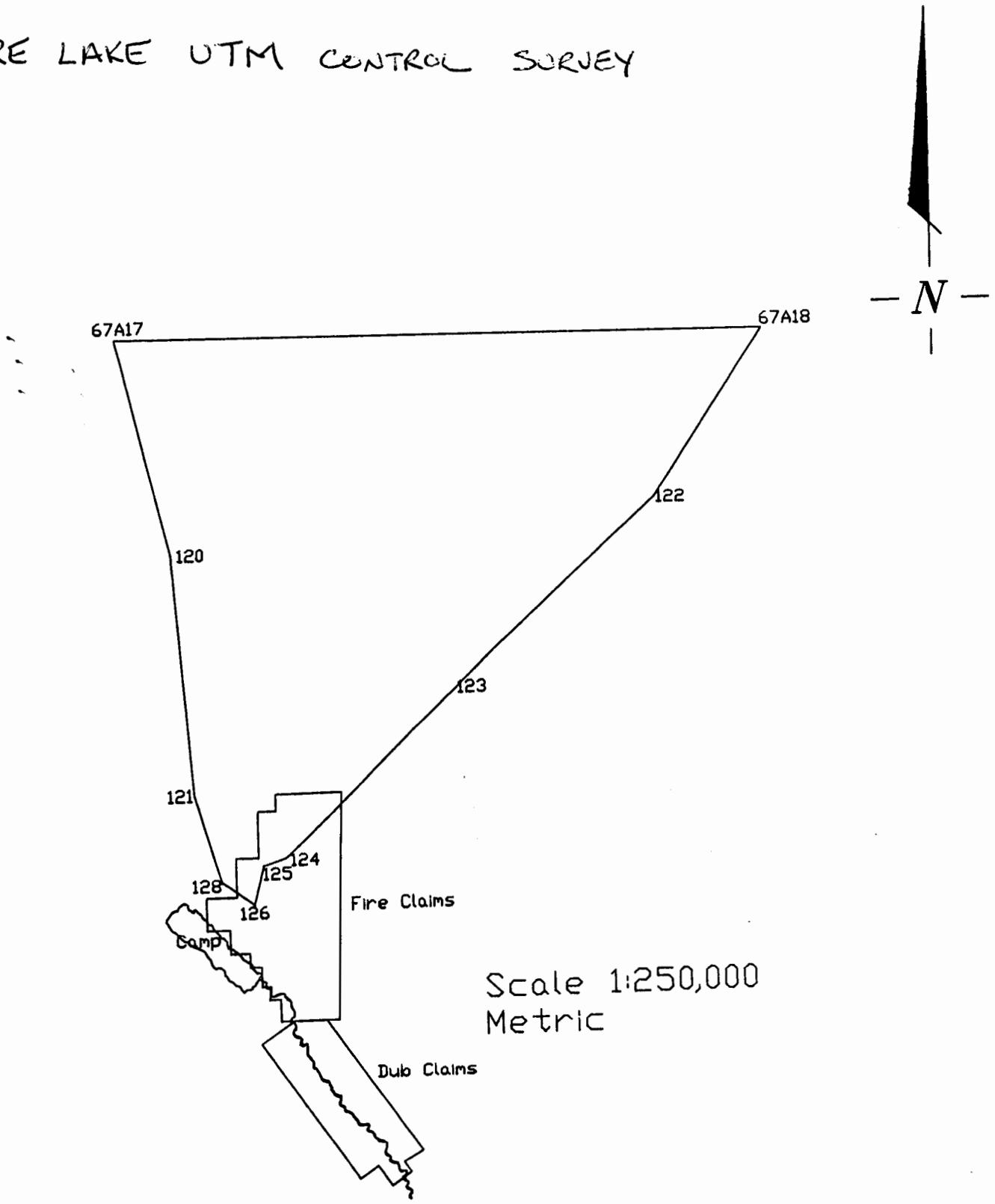


FIG 1

DECEMBER 4, 1996

FIRE LAKE SURVEY CONTROL PLAN

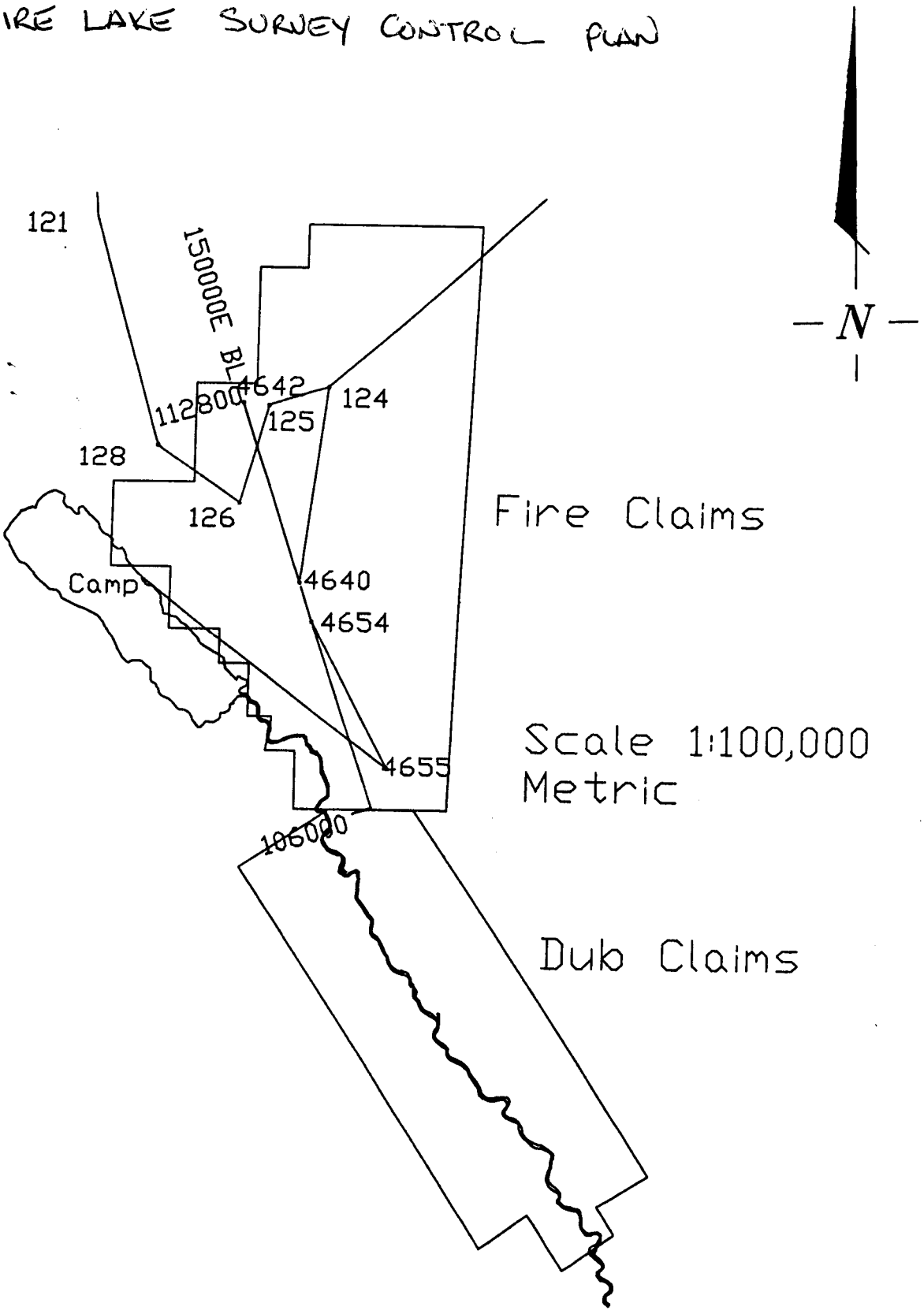


FIG 2
DECEMBER 4, 1996

APPENDIX II

Soil Geochemical Sample Descriptions
Kona, Dub and Lake

KONA SURVEY GRID

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111000	15950	B	18	46	GRBR	SHGR			-30	schist
111000	15975	B	18	46	GRBR	SDGR			-30	organics; schisty peables
111000	16000	B	12	30	GR	SDGR			-30	very fine rocks; some organics
111000	16025	B	12	30	GRBR	SDGR			-30	some organics
111000	16050	B	12	30	GRBR	SDGR			-30	some organics
111000	16075	B	12	30	GRBR	SDGR			-30	organics in sample
111000	16100	B	6	15	GR	SDGR			-30	organics mixed in with sample
111000	16125	B	6	15	GR	SD			-30	rocks
111000	16150	B	12	30	GR	SDGR			-30	rocks
111050	15925	AB	6	15	BR	SDRK	NONE		-20	
111050	15950	B	6	15	GRBR	CGRK	NONE		-20	
111050	15975	B	6	15	GR	CGRK	NONE		-20	
111050	16000	AB	8	20	DKBR	CGRK	NONE		-20	
111050	16025	AB	6	15	DKBR	CGRK	NONE		-20	
111050	16050	AB	4	10	DKBR	CGRK	NONE		-20	
111050	16075	AB	8	20	DKBR	CGR	NONE		-20	
111050	16100	AB	6	15	DKBR	GR	NONE		-20	
111050	16125	AB	6	15	BR	GR	NONE		-20	
111050	16150	A	4	10	GRBR	CGR	MS		-20	
111050	16175	A	6	15	GRBR	CGR	MS		-30	
111050	16200	A	2	5	DKBR	CGR	NONE		-30	
111100	15850	AB	12	30	DKGRBR	CGR	NONE		-30	
111100	15875	NS		0						only talus sample available
111100	15900	AB	6	15	DKGRBR	CGR	NONE		-20	
111100	15925	AB	6	15	DKGRBR	CGR	NONE		-20	
111100	15950	B	12	30	BR	FGR				
111100	15975	B	18	46	BR	FGR				
111100	16000	B	24	61	BR	SHRK				
111100	16025	B	24	61	DKBR	SHRK				
111100	16050	B	24	61	DKBRGR	SHRK				
111100	16075	B	18	46	DKBRGR	SHRK				
111100	16100	B	18	46	DKBR	SHGR				poor sample; near creek
111100	16125	B	12	30	DKBR	GRRK				some organics; no ash

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111100	16150	B	12	30	DKBR	GRRK				some organics; no ash
111100	16175	B	6	15	DKBR	GRRK				some organics; no ash
111100	16200	B	12	30	DKBR	FSDRK				some organics; thin ash layer
111150	15850	B	12	30	GRBR	GR				some organics
111150	15875	B	12	30	BR	FGR				some organics
111150	15900	B	12	30	BR	FGR				some organics
111150	15925	B	18	46	GR	GR				12m from creek; organics
111150	15950	NS		0						in creek
111150	15975	B	12	30	GR	SDRK				organics; 4m from creek
111150	16000	B	18	46	BR	SDRK				some organics; 10m from creek
111150	16025	B	18	46	BR	SDRK				schisty peables
111150	16050	B	18	46	BR	SDRG				schisty peables
111150	16075	B	18	46	BR	SDRK				some organics
111150	16100	B	12	30	DKBR	GR				good sample
111150	16125	B	12	30	DKBR	GR				schisty peables
111150	16150	B	12	30	DKBR	GR				schisty peables
111150	16175	B	12	30	DKBR	GR				some organics
111150	16200	B	12	30	DKBR	SDRK				some organics
111200	15525	B		0	GN	RK	PN	200	-15	
111200	15550	B		0	GN	RK	PN	200	-15	
111200	15575	B		0	OR	GR	PN	200	-15	well oxidized
111200	15600	B		0	DKBR	RK	PN	210	-15	
111200	15625	B		0	GN	RK	PN	210	-15	
111200	15650	B		0	GN	RK	PN	210	-20	
111200	15675	B		0	GN	RK	PN	210	-20	
111200	15700	B		0	BR	GR	PN	210	-20	
111200	15725	B		0	DKBR	GRRK	PN	220	-15	
111200	15750	B		0	GNGR	RK	PN	220	-20	
111200	15775	AB		0	GNGR	RK	PN	220	-20	
111200	15775	NS		0						talus slope
111200	15800	A		0	DKBRGR	SD	PN	220	-20	
111200	15800	NS		0						talus slope
111200	15825	B	6	15	BR	GR	GR	290	-10	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111200	15850	B	12	30	BR	SD	ABGR	290	-10	
111200	15875	B	18	46	BR	SDRK	AB	180	-3	right beside stream bed
111200	15900	B	5	13	BR	SDRK	GR	300	-3	
111200	15925	B	12	30	DKBR	SDRK	AB	250	-25	
111200	15950	B	18	46	DKBR	GRRK	GR	250	-30	
111200	15975	B	12	30	DKBR	GRRK	GR	250	-30	
111200	16000	B	18	46	DKBR	GRRK	GR	250	-30	
111200	16025	B	12	30	DKBR	GRRK	GR	250	-30	
111200	16050	B	12	30	DKBR	GRRK	GR	250	-30	
111200	16075	B	18	46	DKBR	GRRK	GR	250	-30	
111200	16100	NS		0				250	-30	
111200	16125	B	18	46	BR	SDRK	GR	240	-30	
111200	16150	B	12	30	BR	SDRK	GR	240	-30	
111200	16175	B	12	30	BR	SDRK	GR	250	-30	
111200	16200	AB	5	13	BR	SDRK	GR	250	-30	poor sample; limited soil
111250	15775	NS		0						talus slope only
111250	15800	B	8	20	DKBR	GRRK	GR			
111250	15825	B	6	15	DKBR	CGR	GR			
111250	15850	NS		0						top of cliff, only boulders
111250	15875	B	18	46	DKBR	SDCL	GR			
111250	15900	B	8	20	GRBR	SDCL	ASAB			
111250	15925	B	8	20	DKBR	CGR	GR			
111250	15950	B	8	20	DKBR	SD	GR			
111250	15975	B	10	25	DKBR	CGR	GR			
111250	16000	B	6	15	DKBR	CGR	GR			
111250	16025	B	12	30	DKBR	CGR	GR			
111250	16050	B	8	20	DKBR	SDRK	GR			
111250	16075	NS		0						talus slope, no B horizon
111250	16100	B	8	20	DKBR	CLRK	GR			
111250	16125	B	8	20	DKBR	CGR	NONE			
111250	16150	B	12	30	DKBR	SDGR	GR			
111250	16175	B	8	20	DKBR	SDCL	GR			
111250	16200	B	6	15	DKBR	SD	NONE		-30	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111300	15550	RK	5	13	DKBR	RK	GR	40	-25	talus slope
111300	15575	RK	4	10	DKBR	RK	GR	20	-25	talus slope
111300	15600	RK	5	13	DKBR	RK	GR	50	-20	talus slope
111300	15625	RK	6	15	DKBR	RK	GR	50	-15	talus slope
111300	15650	RK	5	13	DKBR	RK	GR	10	-10	talus slope
111300	15675	B	8	20	DKBR	CSD	GR	40	-25	talus slope
111300	15700	RK/AB	7	18	DKBR	CSD	GR	360	-15	talus slope; sampled 7m from picket
111300	15725	AB	6	15	GRBR	GR	GR	340	-6	near slope
111300	15750	AB	6	15	GRBR	CGR	NONE	250	-17	
111300	15775	AB	12	30	GR	CGR	NONE	250	-18	
111300	15800	AB	8	20	GRBR	CGR	GRPN	330	-12	very rocky; poor soil; near creek
111300	15825	AB	3	8	DKTN	SD	NONE	240	-15	very thin B horizon
111300	15850	AB	14	36	GRBR	CGR	ASMS	270	-29	very rocky
111300	15875	AB	9	23	DKBR	SDGR	MS	260	-35	4m west of stake, near outcrop
111300	15900	B	10	25	GRBR	SDGR	AS	260	-35	lots of rocks above B horizon
111300	15925	B	10	25	GRBR	SDGR	MS	260	-35	rocky; good sample
111300	15950	AB	12	30	DKBR	CGR	PNMS	270	-35	very organic and rocky
111300	15975	AB	10	25	DKBR	SDGR	ASMS	260	-35	
111300	16000	AB	10	25	DKBR	SDGR	MS	260	-35	moss
111300	16025	AB	8	20	GRBR	CGR	MS	260	-32	moss no grass
111300	16050	AB	16	41	GRBR	CGR	GR	260	-35	
111300	16075	AB	10	25	GRBR	CGR	GR	240	-30	lots of rocks on surface
111300	16100	AB	10	25	GRBR	CGR	GR	240	-35	rocky
111300	16125	B	10	25	GRBR	SDGR	GR	240	-35	good sample
111300	16150	AB	8	20	GRBR	CGR	GR	240	-32	large rocks
111300	16175	AB	6	15	GRBR	CGR	GR	240	-32	talus and shale in soil
111300	16200	B	10	25	BR	SDGR	GR	240	-33	talus and shale in soil
111350	15550	RK	4	10	DKBR	RK	MSGR	30	25	talus slope
111350	15575	RK	5	13	DKBR	RK	MSGR	30	25	talus slope
111350	15600	RK	4	10	DKBR	RK	MSGR	30	20	talus slope
111350	15625	RK	3	8	DKBR	RK	MSGR	50	25	talus slope
111350	15650	RK	4	10	BR	RK	MSGR	50	25	talus slope
111350	15675	RK	3	8	DKBR	RK	MSGR	50	20	talus slope

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111350	15700	AB	6	15	BR	SD	MS	340	0	5m W. of creek running @ 340
111350	15725	AB	5	13	BR	SD	MSFL	300	-10	
111350	15750	RK	2	5	DKBR	RK	ab	290	-10	
111350	15775	RK	3	8	DKBR	RK	MSPN	260	-15	
111350	15800	AB	9	23	DKBR	SHTSD	PN	260	-5	
111350	15825	RK	4	10	DKBR	RK	PN	260	-10	
111350	15850	A	5	13	GRBL	RK	MS	260	-30	schist?
111350	15875	AB	6	15	DKBR	RK	MS	270	-40	
111350	15900	AB	7	18	DKBR	RK	MSPN	270	-30	
111350	15925	AB	6	15	DKBR	RK	MS	280	-30	
111350	15950	A	4	10	BR	RK	ab	260	-40	
111350	15975	A	5	13	BR	RK	MS	260	-30	
111350	16000	A	4	10	DKBR	RK	MS	260	-30	
111400	15700	AB	3	8	GR	CGR	GR	340	-10	very near creek
111400	15725	B	7	18	ORBR	SDGR	GR	260	-10	
111400	15750	AB	5	13	GR	CGR	GR	260	-6	in stream bed
111400	15775	AB	12	30	ORBR	GR	GR	270	-5	not soil; brocken up shale
111400	15800	AB	14	36	BR	CGR	GR	270	-14	rocky
111400	15825	AB	10	25	BR	SDGR	PN	260	-20	pine less than 3ft tall
111400	15850	NS		0						humus on bedrock; outcrop
111400	15875	AB	14	36	BR	CGR	GR	260	-20	base of cliff
111400	15900	AB	10	25	GRBR	SDGR	GR	260	-55	near outcrop
111400	15925	AB	14	36	BR	CGR	GR	260	-55	
111400	15950	AB	10	25	BR	SDGR	GR	260	-55	
111400	15975	AB	18	46	GRBR	CGR	PNMS	260	-55	rocky (talus) soil
111400	16000	AB	10	25	DKBR	CGR	PNMS	260	-55	rocky (talus) soil
111450	14700	AB	8	20	DKBR	CSD	MSPN	330	-20	some organic content
111450	14725	A	5	13	DKGRBR	RK	MSPN	320	-25	
111450	14750	AB	8	20	DKBR	CSD	MSPN	280	-30	some organic content
111450	14775	AB	9	23	DKBR	CSD	MSPNAL	320	-15	
111450	14800	AB	9	23	DKBR	CSD	MSPN	290	-45	organic content
111450	14825	B	12	30	DKBR	CSD	MSPN	300	-50	marmot
111450	14850	B	10	25	DKBR	CSD	MSPN	310	-40	marmot

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111450	14875	AB	9	23	DKBR	CSD	MSPN	310	-30	some organic content
111450	14900	AB	5	13	DKBR	CSD	MS	320	-30	
111450	14925	AB	7	18	DKBR	CSD	MS	300	-35	
111450	14950	AB	7	18	DKBR	CT	MS	300	-30	
111450	14975	A	5	13	DKBR	CT	MS	300	-35	talus fines
111450	15000	AB	6	15	DKBR	SD	MS	310	-25	sampling west wards
111450	15700	B	8	20	BR	GRRK				25m from creek
111450	15725	B	12	30	BR	GRRK				good sample
111450	15750	B	10	25	GRBR	GRRK				thin ash layer
111450	15775	B	12	30	GRBR	GR				no ash
111450	15800	B	18	46	DKBR	FSD				some organics
111450	15825	B	18	46	GRBR	GR				poor sample; lots of rocks
111450	15850	B	12	30	BR	FGR				thin ash layer; organics
111450	15875	AB	12	30	DKBR	GRRK				lots of orgaincs
111450	15900	B	12	30	DKBR	SDRK				lots of organics
111450	15925	AB	14	36	DKBR	SDRK				beside creek; lots of organics
111450	15950	B	8	20	DKBR	CLRK				organics mixed in with sample
111450	15975	B	12	30	DKBR	GR				organics mixed in with sample
111450	16000	B	18	46	GR	SDGR	MS	240	-50	near little creek
111450	16000	B	12	30	DKBR	GR				poor sample
111500	14700	AB	8	20	DKBR	CSD	MS	320	10	sampling eastwards
111500	14725	AB	9	23	DKBR	CSD	MS	280	15	
111500	14750	AB	7	18	DKBR	CSD	MS	290	10	
111500	14775	B	10	25	DKBR	CSD	MS	280	5	
111500	14800	AB	9	23	BR	CSD	MSPN	270	30	
111500	14825	AB	6	15	DKBR	CSD	MSPN	260	40	high organoc content
111500	14850	B	12	30	BR	CSD	MSPN	290	40	poor horizonal development
111500	14875	AB	9	23	BR	CSD	MSPN	290	40	
111500	14900	T	5	13	DKBR	T	MSPN	290	35	
111500	14925	T	4	10	DKBR	T	PNALab	300	40	
111500	14950	T	6	15	DKBR	T	abMS	300	30	
111500	14975	T	5	13	DKBR	T	abMS	310	30	
111500	15000	T	6	15	DKBR	T	MS	340	40	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111500	15675	NS		0						surrounded by creeks
111500	15700	AB	6	15	DKBR	CSD	abPNMS	270	25	
111500	15725	AB	7	18	DKBR	CSD	abPNMS	260	15	
111500	15750	AB	8	20	DKBR	CSD	abPNMS	260	15	
111500	15775	B	10	25	DKRDBR	CSD	abPNMS	170	5	
111500	15800	B	12	30	GR	CSD	abPNMS	200	5	
111500	15825	AB	9	23	DKBR	CSD	abPNMS	230	5	
111500	15850	AB	8	20	DKBR	CSD	abPNMS	240	15	
111500	15875	AB	7	18	DKBR	CSD	abPNMS	280	25	
111500	15900	AB	9	23	DKBR	CSD	PNMSFL	300	25	
111500	15925	AB	9	23	DKBR	CSD	PNMSFL	270	40	
111500	15950	AB	8	20	DKBR	CSD	PNMSFL	250	45	
111500	15975	TB	6	15	DKBR	CSD	AB	260	50	
111500	16000	AB	7	18	DKBR	CSD	AB	240	50	
111550	14725	B	12	30	GRBR	CSD	MSabPN	250	-2	
111550	14750	B	12	30	BR	CSD	MSabPN	200	0	
111550	14775	AT	8	20	BR	CSD	MSabPN	260	-5	
111550	14800	AB	9	23	BR	SD	MSabPN	280	-10	
111550	14825	AB	10	25	BR	SD	MSabPN	310	-10	
111550	14850	AB	10	25	BR	SD	MSabPN	310	-15	
111550	14875	AT	8	20	DKBR	T	MSabPN	290	-40	
111550	14900	AT	7	18	DKBR	T	MSabPN	310	-35	
111550	14925	BT	9	23	DKBR	CL	MSabPN	310	-40	
111550	14950	AT	5	13	DKBR	T	MSab	310	-40	
111550	14975	T	8	20	DKBR	T	MSab	340	-35	
111550	15000	T	6	15	DKBR	T	MS	320	-45	edge of talus slope
111550	15650	B	8	20	DKBR	GRRK	AB			right beside creek
111550	15675	B	8	20	DKBR	GRRK	AB			
111550	15700	B	9	23	DKBR	SDGR	SPGR			
111550	15725	B	8	20	DKBR	SDGR	SPGR			
111550	15750	B	10	25	RDBR	GR	SPMS			
111550	15775	B	12	30	ORBR	GR	SPAS			
111550	15800	B	12	30	DKBR	GR	SPAS			

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111550	15825	B	4	10	BR	GR	ASMS			
111550	15850	B	6	15	BR	GR	GR			
111550	15875	AB	14	36	GRBR	CGR	GR	260	-15	talus content high
111550	15875	NS		0						no soil on large rocks of cliff
111550	15900	AB	14	36	DKBR	CGR	GR	260	-30	rocky
111550	15900	NS		0						no soil on large rocks of cliff
111550	15925	AB	18	46	GRBR	CGR	GR	260	-50	rocky
111550	15950	NS		0						moss on top of outcrop
111550	15975	B	12	30	DKBR	CGR	PN	260	-55	pines are very short
111550	16000	AB	16	41	GRBR	TALUS	MS	260	-55	very rocky
111600	14700	B	12	30	RDBR	SD	MSabPN	250	3	
111600	14725	B	15	38	GRBR	SD	MSabPN	280	10	
111600	14750	B	16	41	BR	SD	MSabPN	280	15	
111600	14775	B	10	25	BR	SD	MSabPN	280	0	
111600	14800	NS		0						scree slope
111600	14825	NS		0						scree slope
111600	14850	AB	8	20	BR	CSD	PNab	280	20	
111600	14875	AB	9	23	BR	CSD	PNab	320	25	
111600	14900	AB	6	15	BR	CSD	PNab	320	30	
111600	14925	AB	8	20	BR	CSD	PN	300	30	
111600	14950	T	4	10	DKBR	GRRK	abMS	360	0	edge of talus slope
111600	14975	T	6	15	DKBR	T	MS	360	0	
111600	15000	T	5	13	DKBR	T	MS	350	0	
111600	15575	B	4	10	BR	GRRK	GR	20	-20	beside talus slope
111600	15600	B	4	10	BR	SDGR	GR	30	-1	beside creek
111600	15625	AB	6	15	BR	SDGR	ab	250	-1	in flat beside creek
111600	15650	AB	4	10	DKBR	SDGR	ab	250	-1	in flat beside creek
111600	15675	NS		0						swampy area; too much water
111600	15700	B	12	30	BR	GR	GR	260	-8	
111600	15725	NS		0						on cliff; rock only
111600	15750	B	12	30	BR	SD	SP	250	-25	right below cliff
111600	15775	B	6	15	BR	GR	GR	200	-2	
111600	15800	B	6	15	BRGR	SDGR	SP	350	-2	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111600	15825	B	12	30	BR	SDGR	SP	250	-2	
111600	15850	AB	16	41	GRBR	CGR	GR	260	-35	very rocky
111600	15850	B	12	30	BR	SDGR	GR	250	-12	
111600	15875	AB	14	36	GRBR	CGR	GR	210	-12	
111600	15900	B	8	20	GR	SDGR	GR	240	-40	
111600	15925	B	8	20	GR	SDGR	MS	240	-45	base of small cliff
111600	15950	A	2	5	GR	TALUS	MSPN	240	-60	very rocky; pine stunted
111600	15975	AB	4	10	GR	SDGR	MS	240	-50	on top of thick rock
111600	16000	AB	20	51	GRBR	SDGR	MS	240	-50	
111650	14700	B	10	25	BR	CSD	MSPN	290	-8	
111650	14725	B	14	36	RDBR	CSD	MSPN	280	-15	
111650	14750	B	10	25	RDBR	SD	MSPN	330	-5	
111650	14775	B	12	30	DKRDBR	SD	MSPN	350	0	
111650	14800	T	4	10	DKBR	T	MSPN	350	-3	sampled 10m N of picket
111650	14825	AB	9	23	BR	CSD	MSPN	350	0	
111650	14850	A	6	15	LTBR	CGR	MSPN	350	0	
111650	14875	A	6	15	LTBR	CGR	MSPN	350	-1	poor sample
111650	14900	AB	8	20	BR	CGR	MSPN	320	0	
111650	14925	T	5	13	BR	T	MS	360	0	
111650	14950	AB	8	20	BR	CSD	MS	360	2	
111650	14975	NS		0						
111650	15000	T	6	15	DKBR	T	MS	360	1	
111650	15575	AB	6	15	GRBR	SDGR	ab	260	-1	very organic
111650	15600	AB	8	20	GRBR	SDGR	MS	220	-2	near stream
111650	15625	B	6	15	GRBR	SDGR	MSPN	220	-6	
111650	15650	B	6	15	GRBR	SDGR	MS	230	-4	
111650	15675	AB	8	20	GRBR	CGR	GR	220	-5	
111650	15700	AB	8	20	GRBR	SDGR	GR	230	-7	quartz
111650	15725	B	8	20	GRBR	SDGR	AL	240	-10	quartz
111650	15750	AB	14	36	GRBR	CGR	AL	250	-18	
111650	15775	AB	10	25	DKBR	CGR	PNAL	230	-20	
111650	15800	AB	6	15	DKBR	SDGR	GR	230	-30	base of cliff; high organic content
111650	15825	AB	12	30	GRBR	CGR	GR	250	-25	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111650	15850	AB	12	30	GRBR	CGR	GR	260	-28	
111650	15875	AB	12	30	GRBR	CGR	GRAS	220	-30	base of cliff
111650	15900	AB	14	36	GRBR	CGR	MS	220	-35	rocks and organics
111650	15925	AB	8	20	GRBR	CGR	MSPN	230	-50	thin soil on rock
111650	15950	NS		0						moss; heavy talus
111650	15975	B	6	15	DKBR	SD	MS	240	-55	
111650	16000	AB	12	30	RDBR	TALUS	MS	240	-55	rocky
111700	14700	B	4	10	ORBR	SDGR	GRBL	290	-30	good sample
111700	14725	B	6	15	ORBR	SDGR	GRBL	290	-30	good sample
111700	14750	B	6	15	ORBR	SDGR	GRBL	290	-25	good sample
111700	14775	B	3	8	DKBR	SDGR	GRBL	310	-35	sample 2m from stake
111700	14800	B	4	10	DKBR	SDGR	GR	310	-35	steep cliff
111700	14825	AB	9	23	DKGR	CGR	GR	310	-28	
111700	14850	AB	6	15	DKGR	CGR	GR	310	-30	
111700	14875	AB	7	18	BR	CGR	GR	350	-35	
111700	14900	B	6	15	BR	CGR	GR	350	-35	
111700	14925	NS		0						scree slope
111700	14950	NS		0						scree slope
111700	14975	NS		0						scree slope
111700	15000	NS		0						scree slope
111700	15025	NS		0						scree slope
111700	15050	NS		0						scree slope
111700	15075	NS		0						scree slope
111700	15100	NS		0						scree slope
111700	15125	NS		0						scree slope
111700	15150	NS		0						scree slope
111700	15175	NS		0						scree slope
111700	15200	B	6	15	DKGR	CGR	GR	350	-31	sample on side of slope
111700	15225	NS		0						
111700	15250	AB	12	30	DKGR	CGR	GR	350	-32	sample on side of slope
111700	15275	NS		0						scree slope
111700	15300	NS		0						scree slope
111700	15325	AB	17	43	BR	CGR	MSGR	350	-35	poor sample

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111700	15350	AB	20	51	BR	CGR	MSGR	350	-35	
111700	15375	B	2	5	DKGR	CGR	MSGR	350	-35	on steep slope
111700	15400	NS		0						scree slope
111700	15425	NS		0						scree slope
111700	15450	NS		0						in the middle of a creek
111700	15475	B	4	10	GR	GR	NONE	240	-5	beside creek
111700	15500	NS		0						drill hole
111700	15525	BA	18	46	DKGRBR	SD	GR	310	-1	
111700	15550	B	2	5	BR	SDGR	GR	300	-4	beside small creek
111700	15575	B	4	10	GRBR	SDGR	BLGRab	240	-4	
111700	15600	B	4	10	BR	SDGR	BLGRab	140	-4	
111700	15625	B	4	10	BR	SDGR	BLGRab	140	-7	sample 1.5m from stake
111700	15650	B	3	8	BR	SDGR	GR	210	-6	good sample
111700	15675	B	6	15	BR	SDGR	BL	200	-4	good sample
111700	15700	AB	12	30	DKBR	SDGR	ab	190	-30	
111700	15725	AB	8	20	BR	SDGR	BL	190	-26	
111700	15750	B	10	25	BR	SDGR	BL	200	-26	
111700	15775	AB	8	20	DKBR	GR	GRab	190	-20	
111700	15800	AB	11	28	DKBR	GR	GRab	240	-15	
111700	15825	AB	8	20	DKBR	GR	GR	240	-12	
111700	15850	AB	11	28	DKBR	GR	GR	240	-24	
111700	15875	NS		0						cliff
111700	15900	AB	18	46	DKBR	GR	GR	240	-35	beside dry creekbed
111700	15925	AB	7	18	DKBR	GR	GR	240	-35	poor sample
111700	15950	AB	7	18	DKBR	GR	GR	240	-35	poor sample
111700	15975	AB	7	18	DKBR	GR	GR	240	-35	poor sample
111700	16000	AB	12	30	DKBR	GR	GR	240	-35	poor sample
111750	14700	B		0	DKBR	GR	PN	320	-20	well oxidized
111750	14725	B		0	DKBR	GR	PN	320	-20	well oxidized
111750	14750	B		0	ORBR	GRRK	MS	300	-25	well oxidized
111750	14775	B		0	BK	GRRK	MS	310	-30	
111750	14800	AB		0	DKBR	GRRK	GRMS	310	-30	
111750	14825	B		0	DKBR	GRRK	GR	330	-35	middle of cliffs

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111750	14850	B		0	GRBR	GRRK	GR	330	-40	base of vertical outcrop
111750	14875	B		0	GRBR	GRRK	MS	330	-35	
111750	14900	B		0	GR	GRRK	MS	340	-35	
111750	14925	B		0	GR	RK	MS	340	-35	top of cliffs
111750	14950	AB		0	ORBR	GRRK	MS	330	-25	
111750	14975	B		0	LTBR	RK	MS	330	-30	
111750	15000	AB		0	DKBR	RK	MS	320	-35	
111750	15025	B		0	DKBRGR	RK	MS	320	-30	
111750	15050	B		0	DKBRGR	RK	MS	320	-30	
111750	15075	B		0	DKBR	RK	MS	320	-30	
111750	15100	B		0	DKBR	RK	MS	320	-25	
111750	15125	B		0	DKBR	RK	MS	320	-20	
111750	15150	AB		0	GRBR	RK	MS	320	-15	
111750	15175	AB		0	GRBR	RK	NONE	320	-15	
111750	15200	A		0	GRBR	GRRK	NONE	330	-7	
111750	15225	A		0	GRBR	GRRK	NONE	320	-7	
111750	15250	AB		0	BKORBR	GRRK	NONE	260	-5	in fanned-out part of creek
111750	15275	AB		0	BKORBR	GRRK	NONE	260	-5	in fanned-out part of creek
111750	15300	AB		0	BKORBR	GRRK	NONE	260	-5	in fanned-out part of creek
111750	15325	B		0	BR	FGR	PN	190	-8	
111750	15350	B	12	30	DKORBR	FGR	PN	190	-20	
111750	15375	AB		0	BR	SD	PN	200	-15	
111750	15400	B		0	ORBR	GR	PN	200	-15	heavily oxidized
111750	15425	B		0	GNGR	CLRK	PN	210	-15	
111750	15450	B		0	GNGR	CLRK	PN	220	-10	
111750	15475	B		0	GNGR	CLRK	PN	220	-10	
111750	15500	B		0	GNGR	CLRK	PN	220	-10	
111800	14700	B		0	OR	FGR	PN	20	-9	
111800	14725	B		0	OR	FGR	PN	20	-10	
111800	14750	B		0	OR	FGR	PN	20	-10	
111800	14775	B		0	BR	FGR	PN	20	-12	base of slide
111800	14800	B	12	30	LTBR	GR	PN	10	-12	
111800	14825	B		0	LTBR	GR	PN	10	-15	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111800	14850	B		0	LTBRGR	GR	PN	20	-18	quartz in hole
111800	14875	A		0	BK	ST	PN	20	-15	base of cliff
111800	14900	B		0	LTBR	GR	PN	300	0	base of cliff,shelf
111800	14925	B		0	OR	GRRK	PN	270	0	base of cliff,shelf
111800	14950	B		0	OR	GRRK	PN	270	-8	
111800	14975	B		0	OR	GRRK	PN	270	-8	
111800	15000	AB		0	OR	RK	PN	280	-7	
111800	15025	AB		0	DKBR	GR	PN	280	-7	
111800	15050	B	6	15	LTBR	RK	PN	280	-8	
111800	15075	B	6	15	LTBR	RK	PN	280	-6	
111800	15100	AB		0	DKBR	RK	NONE	300	-5	foRK in creek,poor sample
111800	15125	AB		0	BK	RK	NONE	300	-4	
111800	15150	AB		0	BK	RK	NONE	300	-10	
111800	15175	AB		0	BK	RK	NONE	280	-12	bottom of talus slide,poor sample
111800	15200	NS		0			NONE	290		river
111800	15225	NS		0			NONE	290		river
111800	15250	A		0	ORBR	CGR	NONE	290	-3	poor sample, stream
111800	15275	AB		0	BKBR	CGR	NONE	290	-8	poor sample, stream
111800	15300	B	12	30	LTBR	RK	PN	220	-15	poor sample,a lot of roots
111800	15325	B		0	DKBR	GR	PN	220	-12	
111800	15350	B		0	LTBR	GRRK	PN	220	-10	
111800	15375	B		0	LTBR	RK	PN	220	-8	
111800	15400	B		0	ORBR	GRRK	PN	220	-5	
111800	15425	B		0	GNGR	RK	PN	220	-7	
111800	15450	B		0	GNGR	RK	PN	220	-8	
111800	15475	B		0	RDBR	RK	PN	220	-8	
111800	15500	B		0	LTBR	RK	PN	220	-10	
111800	15525	B		0	LTBR	RK	PN	220	-10	
111800	15550	B	1	3	LTBR	RK	PN	190	-10	possible stream bed
111800	15575	B	1	1	LTBR	GR	PN	190	-10	
111800	15600	B	6	15	ORBR	RK	PN	200	-12	
111800	15625	B	6	15	OR	GR	PN	200	-10	
111800	15650	B	24	61	BK	GR	PN	200	-12	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111800	15675	AB	24	61	CLBR		PN	200	-15	
111800	15700	AB	1	3	CLBR		PN	230	-12	poor sample, no soil
111800	15725	AB		0	BK	GRRK	PN	230	-12	
111800	15750	B	6	15	BK	RK	PN	230	-12	
111800	15775	B	6	15	GR	CGR	PN	230	-12	
111800	15800	B	24	61	BK	GR	PN	190	-15	
111800	15825	AB	6	15	BK	RK	PN	190	-15	
111800	15850	B	6	15	OR	RK	PN	190	-15	
111800	15875	B	5	13	OR	RK	PN	210	-30	
111800	15900	B		0	ORBK	RK	PN	210	-30	base of cliff, near quartz vein
111800	15925	B		0	ORBK	RK	MS	220	-45	top of cliff,near quartz vein
111800	15950	B		0	BK	RK	MS	200	-30	
111800	15975	B		0	BK	RK	MS	200	-30	
111800	16000	B		0	BKBR	RK	MS	200	-30	
111850	14700	B	6	15	LTBR	GR	PN	20	-7	
111850	14725	B	6	15	DKBR	FGR	PN	10	-8	
111850	14750	B	6	15	OR	FGR	NONE	10	-3	
111850	14775	B		0	OR	FGR	NONE	320	0	
111850	14800	B		0	OR	FGR	PN	320	-10	
111850	14825	B		0	DKBR	GR	PN	340	-8	
111850	14850	AB	18	46	LTBR	SD	PN	0	-2	old swamp area
111850	14875	B		0	LTBR	SDRK	PN	300	-5	
111850	14900	AB	6	15	DKBR	RK	PN	300	-9	
111850	14925	B		0	OR	RK	PN	270	-15	
111850	14950	B		0	LTBR	CLRK	PN	270	-6	
111850	14975	B		0	LTBR	CLRK	PN	220	-10	
111850	15000	B		0	GNGR	CL	PN	220	-6	
111850	15025	B		0	GNGR	SD	PN	220	-5	
111850	15050	B		0	LTBR	SD	PN	220	-5	
111850	15075	B		0	GNBR	SD	PN	220	-5	
111850	15100	B		0	GNBR	SD	PN	220	-5	
111850	15125	AB		0	LTBR	SD	PN	240	-10	near a spring
111850	15150	AB		0	DKBR	RK	NONE	240	-12	near a spring

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111850	15175	AB		0	GR	RK	NONE	230	-10	creek material
111850	15200	AB		0	LTBR	RK	NONE	240	-10	
111850	15225	B		0	BK	RK	PN	230	-10	
111850	15250	B		0	BK	RK	PN	230	-12	
111850	15275	B		0	DKBR	GRRK	PN	240	-12	
111850	15300	B		0	DKBROR	GRRK	PN	250	-10	
111850	15325	B		0	BR	GRRK	PN	240	-10	
111850	15350	B		0	BR	GRRK	PN	240	-10	
111850	15375	B		0	GNGR	CLRK	NONE	240	-8	
111850	15400	B		0	GNGR	CLRK	NONE	220	-4	
111850	15425	B		0	GRBN	CLRK	NONE	220	-8	
111850	15450	B	6	15	GR	CL	GRSP	250	-3	
111850	15475	B	6	15	GR	CL	GRSP	250	-4	
111850	15500	B	6	15	GR	CL	GRSP	250	-5	
111850	15525	B	6	15	GR	CL	GRSP	310	-3	lots of water channels near
111850	15550	B	6	15	GR	CL	GRSP	250	-2	
111850	15575	B	6	15	GR	SDCL	GRSP	250	-4	
111850	15600	B	6	15	GR	SDCL	GRSP	250	-1	
111850	15625	B	6	15	GR	SDCL	GRSP	250	-3	
111850	15650	B	6	15	GR	SDCL	GRSP	250	-1	
111850	15675	B	6	15	GR	SDCL	GR	240	-1	
111850	15700	B	4	10	GR	CL	GRSP	170	-4	
111850	15725	B	6	15	GRBR	CL	GRSP	170	-2	
111850	15750	B	12	30	GRBR	ST	GRSP	170	-5	
111850	15775	AB	6	15	BR	SDST	GR	190	-3	lots of schist in sample
111850	15800	B	6	15	DKBR	SDRK	GRSP	190	-5	lots of schist in sample
111850	15825	B	12	30	DKBR	SDRK	GRSP	190	-10	lots of schist in sample
111850	15850	B	6	15	DKBR	SDRK	GRSP	190	-25	lots of schist in sample
111850	15875	B	12	30	DKBR	SDRK	GRSP	190	-25	lots of schist in sample
111850	15900	B	18	46	DKBR	SDRK	GRSP	230	-15	lots of schist in sample
111850	15925	B	18	46	DKBR	SDRK	GRSP	230	-20	lots of schist in sample
111850	15950	B	12	30	DKBR	SDRK	GR	230	-30	lots of schist in sample
111850	15975	B	12	30	DKBR	SDRK	GR	230	-30	lots of schist in sample

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111850	16000	B	18	46	DKBR	SDRK	GR	230	-30	lots of schist in sample
111900	14700	B		0	ORBR	GR	PN	330	-15	
111900	14725	B		0	DKORBR	SDGR	PN	330	-15	**POSSIBLE KICKER--oxidized
111900	14750	B		0	DKORBR	SDGR	PN	320	-10	
111900	14775	AB		0	DKBR	GR	PN	330	-5	
111900	14800	B		0	DKBR	SDGR	PN	340	-5	
111900	14825	B		0	ORBR	SDGR	PN	320	-10	
111900	14850	B		0	REBR	CGR	PN	300	-10	
111900	14875	B		0	LTBR	CGR	PN	300	-5	quartz above oxidized layer
111900	14900	B		0	RDBR	RK	PN	300	-10	
111900	14925	B		0	RDBR	RK	PN	250	-15	
111900	14950	B		0	RDBR	RK	PN	260	-15	
111900	14975	B		0	LTBR	GRRK	PN	270	-10	
111900	15000	B		0	LTBR	GRRK	PN	270	-5	
111900	15025	B		0	LTBR	GRRK	PN	270	-5	
111900	15050	AB		0	LTBR	GRRK	PN	270	-5	
111900	15075	AB		0	LTBR	GRRK	PN	250	-5	
111900	15100	AB		0	BR	SD	PN	230	-5	
111900	15100	B	5	13	GRBR	SDGR	SP	170	-2	
111900	15125	B	6	15	GR	SDGR	GR	170	-2	
111900	15150	B	3	8	GR	SDGR	GR	170	-2	
111900	15175	B	6	15	GR	SDGR	GR	170	-2	
111900	15200	B	5	13	GR	SDGR	GRSP	220	-4	
111900	15225	B	6	15	GR	GRCL	GR	220	-3	
111900	15250	B	5	13	GR	GRCL	GR	270	-1	
111900	15275	B	4	10	GR	SD	GR	220	-2	
111900	15300	B	6	15	GR	SD	GR	220	-2	
111900	15325	B	4	10	GR	SD	GR	180	-1	ash mixed in
111900	15350	B	9	23	GR	SDCL	GR	250	-1	mud
111900	15375	NS		0						in stream bed; only mud
111900	15400	B	3	8	GR	GR	PNGR	220	-5	
111900	15425	AB	3	8	GRBR	SDGR	PNAS	230	-4	lots of roots and organics
111900	15450	NS		0						stream!

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111900	15475	NS		0						stream!
111900	15500	AB	4	10	GR	CLGR	GRPN	230	-4	beside stream
111900	15525	B	3	8	GR	CLGR	GRPN	210	-2	rocky
111900	15550	B	4	10	GR	CL	GRPN	300	-5	
111900	15575	AB	3	8	GR	GRCL	GRPN	240	-10	thin humus; rocky
111900	15600	NS		0						stream!
111900	15625	B	4	10	DKGRBR	SDCL	GR	300	-5	near stream
111900	15650	BA	5	13	GR	SG	GRPN	310	-4	near stream; rocky
111900	15675	NS		0						in stream
111900	15700	BA	3	8	GR	CGR	PNMS	230	-4	rocky; ash mixed in sample
111900	15725	BA	3	8	GR	SDGR	PNGR	220	-18	near stream; dirt muddy
111900	15750	B	3	8	LTBR	SDGR	PNGR	220	-12	shale; thin moss layer
111900	15775	B	6	15	DKGRBR	CGR	PNGR	220	-10	shale; 2in ash
111900	15800	B	5	13	DKBR	CGR	PN	230	-15	1in ash; shale; quartz
111900	15825	B	6	15	LTBR	SDGR	PN	230	-30	3in ash layer
111900	15850	B	6	15	DKGRBR	CGR	PN	230	-35	shale
111900	15875	B	8	20	DKBR	CGR	PN	210	-35	shale
111900	15900	B	14	36	DKBR	CGR	PNGR	250	-35	shale
111900	15925	B	12	30	DKBR	CGR	PNGR	250	-35	shale
111900	15950	B	18	46	DKBR	CGR	GR	240	-30	layer of shale over rocky soil
111900	15975	BA	12	30	DKBR	CGR	GR	220	-30	lots of shale; no ash layer
111900	16000	B	9	23	DKBR	CGR	GR	220	-30	poor sample; lots of shale
111950	14700	B		0	LTBR	GRRK	PN	330	-10	
111950	14725	B		0	LTBR	GRRK	PN	330	-10	
111950	14750	B		0	DKBR	GRRK	PN	310	-10	
111950	14775	B		0	DKBR	GRRK	PN	300	-15	
111950	14800	B		0	DKBR	CGR	PN	300	-20	
111950	14825	B		0	DKBR	CGR	PN	330	-20	
111950	14850	B		0	DKBR	CGR	PN	10	-28	
111950	14875	B		0	DKBR	GRRK	PN	0	-25	
111950	14900	B		0	GNBR	GRRK	PN	280	-35	
111950	14925	B		0	GNBR	GRRK	PN	230	-20	
111950	14950	B		0	GNBR	GRRK	PN	240	-15	

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111950	14975	B		0	DKBR	RK	PN	230	-10	
111950	15000	B		0	DKBR	RK	PN	210	-10	
111950	15025	B		0	GNBR	RK	PN	200	-10	
111950	15050	A		0	DKORBR	GR	NONE	200	-10	near creek
111950	15075	B	5	13	BR	SDGR	PNAS	210	-3	
111950	15100	B	5	13	RDBR	SDGR	PNSP	220	-4	
111950	15125	B	5	13	GRBR	CGR	AS	200	-4	
111950	15150	B	3	8	BR	SDGR	ASPN	220	-6	
111950	15175	B	6	15	ORBR	SDGR	ASPN	220	-4	
111950	15200	B	4	10	ORBR	SDGR	AS	220	-5	
111950	15225	B	10	25	GRBR	SD	ASPN	220	-6	
111950	15250	AB	10	25	GRBR	SD	PNGR	220	-6	
111950	15275	B	4	10	GR	SD	PNAB	220	-5	
111950	15300	AB	6	15	GR	SDGR	ASAB	220	-6	
111950	15325	AB	8	20	GR	SDGR	ASPN	210	-4	
111950	15350	NS		0						in creek, just mud and humus
111950	15375	AB	12	30	GR	CGR	ASPN	220	-4	
111950	15400	AB	8	20	GR	CGR	ASPN	220	-7	
111950	15425	AB	8	20	GR	CGR	ASPN	220	-7	
111950	15450	AB	12	30	GR	SDGR	AS	220	-8	
111950	15475	AB	12	30	GR	SDGR	ASPN	220	-8	
111950	15500	B	6	15	DKGR	SD	PNGR	230	-12	
111950	15525	AB	18	46	GR	SDGR	PNGR	220	-9	
111950	15550	NS		0						very near creek,only organics available
111950	15575	AB	18	46	GR	SDGR	PNGR	220	-7	
111950	15600	AB	6	15	GR	CGR	PNAL	220	-4	
111950	15625	B	4	10	GRBR	SDGR	PN	210	-7	
111950	15650	B	6	15	GRBR	SDGR	PN	200	-11	
111950	15675	B	8	20	GRBR	SDGR	PN	200	-13	
111950	15700	B	8	20	GR	SDGR	PN	210	-15	
111950	15725	AB	6	15	GRBR	CGR	PN	210	-18	
111950	15750	AB	6	15	GRBR	CGR	PNAB	210	-26	
111950	15775	AB	5	13	BR	CGR	PN	210	-25	

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
111950	15800	B	4	10	GRBR	SDGR	PN	210	-19	
111950	15825	B	4	10	BR	SDGR	PN	210	-23	
111950	15850	AB	3	8	DKBR	CGR	GRPN	220	-23	
111950	15875	AB	3	8	DKBR	CGR	GRPN	220	-25	
111950	15900	AB	3	8	DKBR	CGR	GR	220	-27	
111950	15925	AB	3	8	DKBR	CGR	GR	220	-25	
111950	15950	AB	6	15	DKBR	CGR	GR	220	-30	
112000	14700	B	4	10	BR	GR	SP	0	-10	uphill from creek
112000	14725	B	6	15	BR	GR	SP	0	-8	uphill from creek
112000	14750	B	4	10	BR	GR	SP	0	-20	uphill from creek
112000	14775	B	12	30	BR	GR	SP	0	-2	beside creek-creek has a white color to it
112000	14800	B	2	5	GRBR	GR	NONE	200	-25	up other side of creek--gravel slope
112000	14825	B	2	5	GRBR	GRSD	NONE	160	-35	up other side of creek--gravel slope
112000	14850	B	12	30	BR	SD	AB	170	-8	
112000	14875	B	6	15	BR	SDRK	AB	220	-2	
112000	14900	B	5	13	BR	SDRK	ABSP	260	-2	
112000	14950	B	10	25	DKBR	SD	FL	240	0	
112000	14975	B	9	23	DKBR	SD	FL	240	-5	
112000	15000	B	12	30	RDBR	SD	FL	240	-7	
112000	15025	B	10	25	RDBR	SD	FL	220	-5	baseline
112000	15050	B	12	30	RDBR	SD	FL	240	-1	
112000	15075	B	12	30	BR	SD	FL	240	-3	
112000	15100	B	10	25	BR	SD	FL	240	-3	
112000	15125	B	10	25	DKBR	SD	FL	240	-7	
112000	15150	B	10	25	BR	SD	FL	240	-5	
112000	15175	AB	6	15	GRBR	SD	FL	220	-4	
112000	15200	AB	9	23	GRBR	SD	FL	250	0	
112000	15225	AB	5	13	GRBR	SD	FL	240	-3	old bundle of core boxes!
112000	15250	B	9	23	GR	SD	FL	240	-3	
112000	15275	B	9	23	GRBR	SD	FL	260	-3	
112000	15300	AB	6	15	GR	CL	FL	190	0	
112000	15325	AB	6	15	GR	CL	FL	190	-3	
112000	15350	AB	6	15	GR	CL	FL	190	-2	

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112000	15375	AB	6	15	GR	CL	FL	190	0	
112000	15400	AB	6	15	DKBR	CL	ALPNab	220	-5	sampled 8m from picket
112000	15425	B	9	23	DKGR	SD	PNAL	220	-3	
112000	15450	B	9	23	GRBR	SD	PNAL	220	-5	
112000	15475	AB	5	13	BLGR	SD	PNAL	220	-5	creek 2m. to the N.
112000	15500	A	4	10	GR	SD	PNAL	220	-5	poor horizon development
112000	15525	AB	6	15	GRBR	SD	PNAL	238	-10	
112000	15550	AB	6	15	BR	CSD	PNAL	225	-15	
112000	15575	AB	8	20	BR	SD	PNAL	225	-15	
112000	15600	AB	6	15	BR	SD	PNAL	225	-15	
112000	15625	AB	8	20	BR	SD	PNAL	220	-25	
112000	15650	AB	6	15	GRBR	SD	PNAL	186	-15	
112000	15675	AB	6	15	BRGR	SD	ab	190	-5	large A horizon content
112000	15700	AB	6	15	DKBR	CSD	PN	224	-30	
112000	15725	AB	8	20	BR	SD	ab	208	-50	
112000	15750	AB	6	15	BR	SD	PN	220	-35	
112000	15775	AB	6	15	DKBR	SD	ab	220	-25	
112000	15800	AB	8	20	BR	SD	ab	246	-25	
112000	15825	AB	6	15	BR	SD	ab	222	-30	
112000	15850	AB	6	15	DKBR	SD	ab	230	-35	talus
112000	15875	AB	4	10	DKBR	SD	ab	226	-25	talus
112000	15900	T	3	8	DKBR	SD	GC	220	-30	talus
112000	15925	T	4	10	DKBR	SD	GC	236	-30	talus
112000	15950	T	3	8	DKBR	SD	GC	236	-35	talus
112000	15975	AB	6	15	BR	RKSD	GC	220	-35	
112000	16000	T	2	5	DKGR	RK	GC	220	-35	talus
112050	14700	B	9	23	GR	GR	AB	340	-15	sample mostly mud-uphill from stream
112050	14725	B	6	15	BR	SD	SP	340	-10	
112050	14750	B	6	15	BR	SDGR	AB	250	-35	
112050	14775	B	6	15	BR	SDGR	AB	250	-8	
112050	14800	B	2	5	GR	GRCL	NONE	320	-25	clay slope
112050	14825	B	1	3	GR	GRCL	NONE	320	-25	clay slope
112050	14850	B	1	3	GR	GRCL	NONE	320	-25	clay slope

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112050	14875	B	6	15	GRBR	GRSD	SHSP	330	-20	
112050	14900	B	6	15	GR	CLGR	SH	330	-20	
112050	14925	NS		0						in old rock stream bed
112050	14950	B	6	15	GR	CLGR	SH	250	-10	
112050	14975	AB	4	10	GR	CLGR	SP	220	-5	
112050	15000	B	4	10	GRBR	CLGR	SP	140	-5	
112050	15025	B	1	3	GR	CLGR	NONE	160	-10	
112050	15050	NS		0						in old rock stream bed
112050	15075	B	6	15	BR	SDGR	SPAB	190	-15	
112050	15100	AB	6	15	GRBR	GR	SPAB	300	-3	beside stream
112050	15125	B	9	23	RDBR	SD	SPAB	280	-10	uphill from stream
112050	15150	B	18	46	ORBR	SDRK	SPAB	10	-15	uphill from stream
112050	15175	AB	9	23	GRBR	GRSD	SP	10	-10	
112050	15200	B	4	10	GR	CLGR	PN	10	-10	beside stream
112050	15225	B	12	30	GR	GR	GR	220	-2	beside stream
112050	15250	B	6	15	GRBR	SD	PN	250	-5	
112050	15300	B	6	15	GRBR	SDCL	AB	250	-2	
112050	15325	B	4	10	GR	SDRK	AB	250	-2	
112050	15350	B	9	23	BR	SD	SP	250	-2	
112050	15375	NS		0					-4	
112050	15400	AB	0	0	GR	CL	SP	220	-2	
112050	15425	B	12	30	GRBR	CLSD	AB	250	-2	
112050	15450	B	9	23	GR	SDCL	AB	250	-4	
112050	15475	B	6	15	GR	CLGR	SP	220	-5	
112050	15500	NS		0				220	-10	
112050	15525	B	6	15	GR	CLGR	SPGR	220	-10	
112050	15550	B	4	10	GR	CLGR	SPGR	220	-10	
112050	15575	B	4	10	GR	CLGR	SPGR	220	-10	
112050	15600	B	6	15	GRBR	SDGR	SP	220	-10	
112050	15625	B	6	15	BR	SDGR	SP	220	-4	
112050	15650	B	4	10	GR	CLGR	SPGR	220	-8	
112050	15675	B	12	30	BR	SD	SP	180	-8	
112050	15700	B	6	15	BR	SDGR	SP	180	-10	near/between large boulders

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112050	15725	B	9	23	BR	SDGR	GR	220	-35	
112050	15750	B	6	15	BR	GR	ABGR	220	-30	
112050	15775	B	18	46	BR	SDRK	SP	230	-30	
112050	15800	B	6	15	BR	GRRK	GRSP	180	-10	
112050	15825	B	12	30	DKBR	GRRK	GR	220	-25	
112050	15850	B	9	23	DKBR	GR	AB	220	-25	
112050	15875	B	12	30	DKBR	GR	GR	220	-25	schist in sample
112050	15900	B	9	23	BR	SDRK	GR	220	-25	schist in sample
112050	15925	AB	6	15	BR	SDRK	GR	220	-25	schist in sample
112050	15950	B	6	15	BR	SDRK	GR	220	-25	schist in sample
112050	15975	AB	6	15	BR	SDRK	GR	220	-25	schist in sample
112050	16000	B	9	23	BR	SDRK	GR	220	-25	
112100	14700	B	18	46	GR	GR	GR	220	-4	lots of organics; 4in ash
112100	14725	B	18	46	GR	CL	AS	225	-3	4in ash over soil; organics
112100	14750	B	12	30	GRBR	SD	SP	250	-4	4in ash layer
112100	14775	B	12	30	GRBR	SD	SP	245	-5	organics
112100	14800	B	10	25	GR	GR	MS	210	-2	on creek bed; poor sample
112100	14825	AB	12	30	BLBR	SD	AS	240	-2	3m from creekbed
112100	14850	AB	18	46	GR	CLGR	AS	240	-4	ash and organics in sample
112100	14875	B	20	51	DKGR	CLGR	AS	250	-7	some organics
112100	14900	B	10	25	GR	CL	AS	250	-4	some organics
112100	14925	B	10	25	GR	SD	SP	240	-4	
112100	14950	B	10	25	GRBR	SD	SP	240	-3	some organics
112100	14975	NS		0						pure gravel
112100	15000	B	10	25	BRGR	GR	SP	180	-7	some ash and organics in sample
112100	15025	B	9	23	GR	GR	SP	190	-6	rocky
112100	15050	B	8	20	BR	SD	GC	180	-9	
112100	15075	B	8	20	BR	SD	SP	200	-7	good sample
112100	15075	B	8	20	GRBR	CLGR	ASSP			
112100	15100	B	6	15	GRBR	CLGR	ASSP			
112100	15125	B	6	15	GRBR	GRRK	ASSP			
112100	15150	B	6	15	ORBR	GRRK	ASSP			
112100	15175	B	8	20	GR	RK	ASSP			

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112100	15200	B	6	15	BR	CLGR	SP			
112100	15225	B	8	20	DKBR	CLGR	SP			
112100	15250	B	8	20	DKBR	CLGR	SP			
112100	15275	B	4	10	ORBR	SDGR	ASSP			
112100	15300	B	10	25	BR	GRRK	SP			
112100	15325	B	6	15	GRBR	SDCL	SP			creek running parallel to line
112100	15350	B	6	15	BR	SDCL	SP			beside creek 10 m away
112100	15375	B	6	15	BR	SD	SP			
112100	15400	B	6	15	GRBR	CGR	SP			
112100	15425	B	8	20	DKBR	SD	SP			
112100	15450	B	6	15	GNBR	SD	SP			
112100	15475	B	8	20	DKBR	SD	SP			
112100	15500	B	8	20	BR	SD	SP			
112100	15525	B	8	20	GRBR	SDCL	SP			
112100	15550	B	6	15	BR	SD	SP			
112100	15575	B	8	20	GRBR	SDCL	SP			
112100	15600	B	6	15	GR	SDCO	SP			
112100	15625	B	8	20	BR	SDCL	SPAS			
112100	15650	B	4	10	DKBR	SD	SP			
112100	15675	B	4	10	GRBR	SDCL	PNSP			
112100	15700	B	4	10	DKBR	SD	PNSP			
112100	15725	NS		0						solid rock, no soil
112100	15750	B	8	20	DKBR	GRRK	SPGR			
112100	15775	B	6	15	DKBR	GRRK	SPGR			
112100	15800	B	6	15	DKBR	GRRK	SPGR			
112100	15825	B	6	15	GRBR	GRRK	SPGR			
112100	15850	B	8	20	DKBR	GRRK	SPGR			
112100	15875	B	6	15	DKBR	SDGR	SP			
112100	15900	B	12	30	DKBR	SDGRRK	SP			
112100	15925	B	12	30	DKBR	SDGRRK	SP			
112100	15950	B	7	18	DKBR	CGR	GR			
112100	15975	B	6	15	GRBR	CGR	GR			
112100	16000	AB	6	15	DKVR	CGR	GR			

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112150	14700	AB	18	46	GRBR	SD	SP	240	-4	some organics; ash layer 2in
112150	14725	B	12	30	BR	SD	AS	245	-5	some organics
112150	14750	B	8	20	BR	CL	SP	240	-8	some organics
112150	14775	B	8	20	GRBR	GRCL	AS	216	-2	rocky sample
112150	14800	B	6	15	BR	SD	GC	230	-5	some organics
112150	14825	AB	12	30	BR	SD	SP	237	-4	some organics
112150	14850	B	16	41	BR	SD	SP	240	-5	5in ash layer; some organics
112150	14875	B	10	25	GRBR	GR	SP	240	-5	beside small creek
112150	14900	NS		0						pue gravel; no soil
112150	14925	AB	14	36	ORBR	SD	SP	230	-7	organics and ash in sample
112150	14950	B	14	36	ORBR	SD	SP	230	-5	some organics; 4in ash
112150	14975	B	14	36	BR	SD	SP	230	-8	organics; 3in ash
112150	15000	B	8	20	GRBR	GR	AS	235	-10	beside small creek
112150	15025	B	16	41	BR	SD	AS	220	-8	some organocs; no ash
112150	15050	B	10	25	BR	SD	ASSP	195	-5	some organics
112150	15075	AB	12	30	BR	SD	SP	195	-7	some ash and organics
112150	15100	B	10	25	GR	GR	SP	185	-6	organics; rocky soil
112150	15125	B	14	36	BRGR	SD	SP	180	-5	3in ash layer; some organics
112150	15150	B	12	30	GR	CL	AS	183	-6	some organics
112150	15175	B	14	36	GR	CLGR	AS	180	-6	shiny soil
112150	15200	B	12	30	GR	GR	AS		-5	some organics; thin ash layer
112150	15225	B	18	46	GR	GR	AS		-5	some organics
112150	15250	AB	18	46	GRBR	CLGR	AS		-7	thin ash layer
112150	15275	B	12	30	GR	GR	AS		-7	no ash
112150	15300	AB	12	30	GRBR	SD	AS		-5	thin ash layer
112150	15325	B	18	46	GR	CL	AS		-5	rocky
112150	15350	B	8	20	BR	FSD	SP		-1	
112150	15375	AB	18	46	DKBR	SDCL	SP		-1	
112150	15400	B	8	20	GRBR	GR	SP		-1	poor sample
112150	15425	B	12	30	GRBR	GR	SP		-4	beside creek
112150	15450	B	12	30	BR	SD	SP		-4	
112150	15475	AB	12	30	BR	SD	SP		-4	
112150	15500	B	16	41	BR	SD	SP		-8	good sample

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112150	15525	B	12	30	BR	SD	SP		-10	abundant roots
112150	15550	B	12	30	GRBR	GR	SP		-15	thin ash layer
112150	15575	B	12	30	BR	FSD	SP			
112150	15600	AB	12	30	LTBR	SD	SP			
112150	15625	AB	12	30	BR	SD	SPGC			heavy roots and organics
112150	15650	AB	12	30	BR	SD	SPGC			
112150	15675	B	12	30	GRBR	SD	GC			
112150	15700	B	12	30	GRBR	GR	GC			
112150	15725	B	8	20	DKBR	SDRK	GC			
112150	15750	B	10	25	DKBR	SDRK	GC			
112150	15775	B	12	30	DKBR	GRRK	GC			
112150	15800	B	12	30	DKBR	GR	GC			organics; 4in ash layer
112150	15825	B	16	41	DKBR	FSD	GC			organics; 2in ash layer
112150	15850	B	12	30	DKBR	FSD	GC			organics; 2in ash layer
112150	15875	B	10	25	DKBR	FSD	GC			organics; 4in brn ash layer
112150	15900	B	6	15	DKBR	FSD	GC			organics; 4in brn ash layer
112150	15925	B	8	20	GRBR	FGR	GC			organics
112150	15950	AB	10	25	DKBR	FGR	GC			organics; thin ash
112150	15975	B	12	30	DKBR	GR	GC			very rocky; schist
112150	16000	B	10	25	DKBR	GR	GC			some organics; surface quartz
112200	14750	B	4	10	BR	SD	SP	220	-4	
112200	14775	B	4	10	BR	SDGR	AS	220	-5	
112200	14800	B	4	10	BR	SD	AB	220	-10	
112200	14825	B	6	15	BR	SD	BL	220	-10	
112200	14850	NS		0						
112200	14875	B	6	15	ORBR	GRSD	AB	190	-10	
112200	14900	B	12	30	ORBR	GRRK	PN	190	-5	
112200	14925	NS		0						
112200	14950	B	4	10	ORBR	SDGR	ABSP	180	-10	
112200	14975	B	4	10	ORBR	SDGR	ABSP	180	-10	
112200	15000	B	4	10	ORBR	SDGR	ABSP	180	-10	
112200	15025	B	6	15	ORBR	SDRK	AB	16	-15	
112200	15050	NS		0						

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112200	15075	B	4	10	ORBR	SDRK	AB	16	-5	
112200	15100	B	4	10	ORBR	SDRK	AB	160	-10	
112200	15125	B	4	10	ORBR	SDRK	AB	160	-10	
112200	15150	B	6	15	GRBR	SDRK	AB	160	-10	
112200	15175	NS		0						
112200	15200	B	4	10	BR	GRRK	AB	160	-5	
112200	15225	NS		0						
112200	15250	B	2	5	ORBR	SDGR	AB	170	-15	
112200	15275	B	6	15	GRBR	SDGR	AB	160	-10	
112200	15300	B	4	10	GR	GR	SP	160	-5	
112200	15325	B	6	15	GR	GR	ABSP	160	-10	
112200	15350	AB	6	15	GRBR	SDGR	AB	160	-20	
112200	15375	B	18	46	BR	SDRK	AB	160	-30	
112200	15400	B	9	23	BR	SDGR	AB	160	-30	
112200	15425	B	12	30	GRBR	SDGR	AB	160	-25	
112200	15450	B	12	30	GRBR	SDGR	AB	160	-15	
112200	15475	B	12	30	GRBR	SDGR	AB	160	-15	
112200	15500	B	12	30	GRBR	SDRK	SP	140	-10	
112200	15525	B	12	30	GRBR	SDGR	SP	140	-4	beside creek
112200	15550	B	6	15	GR	GR	GR	120	-2	right uphill from creek
112200	15575	AB	12	30	GRBR	SDGR	SP	260	-10	poor sample,in between boulders
112200	15600	AB	12	30	GRBR	GR	GR	250	-10	
112200	15625	NS		0						boulders--no B horizon
112200	15650	B	9	23	GR	GRRK	SP	250	-35	
112200	15675	B	9	23	GRBR	SDGR	SP	220	-10	
112200	15700	B	12	30	GRBR	SDGR	SP	220	-15	
112200	15725	B	9	23	DKBR	SDRK	GR	250	-20	
112200	15750	AB	6	15	BR	GRRK	GR	250	-20	
112200	15775	B	6	15	GRBR	SDRK	GRAS	250	-20	
112200	15800	B	9	23	GR	GRRK	GRAB	220	-20	
112200	15825	AB	9	23	DKBR	GRRK	GRBL	220	-20	
112200	15850	B	9	23	DKBR	SDRK	GR	220	-30	
112200	15875	AB	6	15	DKBR	SDRK	GR	220	-30	schist in sample

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112200	15900	AB	6	15	DKBR	SDRK	GR	220	-30	schist in sample
112200	15925	AB	12	30	DKBR	GRRK	GR	220	-30	schist in sample
112200	15950	AB	9	23	DKBR	SDRK	GR	220	-30	schist in sample
112200	15975	AB	6	15	DKBR	GRRK	GR	220	-30	schist in sample
112200	16000	AB	6	15	DKBR	GRRK	GR	220	-30	
112250	14700	B	9	23	BR	SD	PNALMS	180	25	
112250	14725	B	10	25	BRGR	SD	PNALMS	230	25	
112250	14750	B	12	30	BRGR	SD	PNALMS	220	25	
112250	14775	B	15	38	BRGR	SD	PNALMS	200	30	
112250	14800	B	10	25	BRGR	SD	PNALMS	200	30	
112250	14825	B	12	30	BRGR	SD	PNALMS	200	25	
112250	14850	AB	8	20	DKBRGR	SD	PNALMS	200	20	
112250	14875	B	10	25	BR	FSD	AS	185	-20	
112250	14900	B	8	20	GRBR	FSD	SP	190	-12	
112250	14925	B	8	20	GR	FSD	AS	190	-12	
112250	14950	AB	10	25	BR	FSD	AS	190	-10	
112250	14975	B	10	25	BR	FSD	SP	190	-5	
112250	15000	AB	12	30	BLGR	CLGR	AS	185	-8	
112250	15025	B	10	25	GR	SD	PNALMS	180	15	
112250	15050	B	10	25	GR	SD	PNALMS	170	10	
112250	15075	B	18	46	GRBR	CSD	ASPN			
112250	15100	B	8	20	GR	SD	ASPN			
112250	15125	NS		0						old stream bed
112250	15150	NS		0						old stream bed
112250	15175	B	8	20	GR	RK	ASPN			schist mud
112250	15200	B	8	20	ORBR	SD	AS			
112250	15225	B	10	25	GRBR	GRSD	SPAS			
112250	15250	NS		0						solid rock
112250	15275	AB	10	25	GRBR	CGR	SPAS			
112250	15300	B	6	15	BR	GRSD	SPAS			
112250	15325	B	24	61	GRBR	CGRCL	SPAS			
112250	15350	B	12	30	BR	FSD	SPAS			
112250	15375	AB	6	15	BR	SDCL	SPAS			

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112250	15400	AB	6	15	GRBR	GR	SPAS			
112250	15425	B	8	20	BRGR	SDGR	SPAS			
112250	15450	B	9	23	BR	SD	SPAS			
112250	15475	B	6	15	BRGR	CLRK	SPAS			
112250	15500	B	10	25	GRBR	CLRK	SPAS			in dry creek
112250	15525	B	10	25	GRBR	CLRK	SPAS			
112250	15550	B	7	18	BR	CLGR	SP			
112250	15575	B	9	23	GNGR	CLRK	SPGC			other side of creek
112250	15600	AB	6	15	BRGR	SDCL	SP			right beside creek
112250	15625	B	8	20	DKGR	RKCL	SP			
112250	15650	B	10	25	DKBR	SDGR	SP			
112250	15675	B	6	15	GNBR	SD	SP			
112250	15700	B	8	20	DKBR	SDRK	SP			
112250	15725	AB	6	15	DKBR	SDGR	SP			
112250	15750	B	8	20	DKBR	SDGR	GRSP			
112250	15775	B	10	25	DKBR	SDGR	GR			
112250	15800	B	8	20	DKBR	SDRK	GR			
112250	15825	B	10	25	DKBR	SDRK	GR			
112250	15850	B	12	30	DKBR	GRRK	GR			
112250	15875	B	9	23	GNBR	GRCL	GR			
112250	15900	B	8	20	GRBR	GRCL	GR			
112250	15925	AB	6	15	DKBR	GRRK	GR			
112250	15950	B	6	15	DKBR	GRRK	GR			
112250	15975	AB	8	20	DKBR	GRRK	GR			
112250	16000	B	8	20	ORBR	GRCL	GR			
112300	14700	B	3	8	ORBR	SDGR	AS	200	-27	
112300	14700	B	4	10	ORBR	SD	AS	200	-18	
112300	14725	B	6	15	ORBR	SDGR	ASPNSP	200	-21	
112300	14725	B	6	15	ORBR	SDGR	AS	200	-23	
112300	14750	B	8	20	GRBR	SDGR	ASSP	200	-23	
112300	14750	B	5	13	ORBR	SDGR	ASSP	200	-23	
112300	14775	B	8	20	GR	SD	AS	210	-20	
112300	14775	NS		0						rock slide deposit

COLUMBIA GOLD MINES LTD.

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112300	14800	B	8	20	DKBR	SD	AS	210	-21	
112300	14800	B	5	13	ORBR	SD	AS	200	-22	
112300	14825	B	6	15	ORBR	SDGR	ASPN	200	-21	
112300	14825	B	4	10	ORBR	SD	AS	200	-25	
112300	14850	B	6	15	DKBR	SD	AS	200	-18	
112300	14850	NS		0						only humus on rock slide deposit
112300	14875	B	4	10	BR	SD	AS	210	-15	
112300	14875	B	5	13	BR	SD	AS	190	-25	
112300	14900	AB	9	23	GRBR	SDGR	ASPN	190	-14	
112300	14900	B	8	20	GR	SD	ASPN	190	-25	
112300	14925	AB	14	36	BR	SD	ASSP	200	-13	
112300	14925	B	6	15	GR	SDGR	ASSP	190	-22	
112300	14950	B	8	20	GRBR	SDGR	AS	180	-13	
112300	14950	B	6	15	BR	SD	ASPN	200	-22	
112300	14975	B	6	15	GRBR	SDGR	AS	180	-12	
112300	14975	B	6	15	GR	SD	PNSP	200	-23	
112300	15000	B	8	20	ORBR	SDGR	AS	190	-12	
112300	15025	AB	8	20	ORGR	SDGR	ASSP	190	-9	
112300	15050	B	6	15	ORBR	SDGR	AS	180	-10	
112300	15075	AB	6	15	GR	CGR	AS	180	-9	
112300	15100	AB	8	20	GR	CGR	NONE	180	-8	talus, very poor sample
112300	15125	B	6	15	ORBR	SDGR	AS	180	-8	
112300	15150	AB	5	13	BR	SDGR	AS	170	-14	
112300	15175	B	8	20	BR	SD	AS	170	-20	
112300	15175	NS		0						boulders only, no B horizon
112300	15200	B	10	25	BR	SD	AS	170	-20	
112300	15225	B	12	30	BR	SD	AS	170	-30	
112300	15250	AB	6	15	GRBR	SD	AS	170	-30	
112300	15275	B	8	20	GRBR	SD	AS	170	-25	
112300	15300	B	10	25	BRGR	CLGR	AS	170	-18	
112300	15325	B	10	25	GRBR	SD	AS	170	-35	
112300	15350	B	8	20	BR	FSD	AS	170	-38	
112300	15375	AB	8	20	GRBR	SD	AS	165	-35	

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112300	15400	AB	6	15	BR	SD	AS	160	-35	
112300	15425	AB	9	23	BRGR	SD	AS	160	-35	
112300	15450	B	6	15	LTBR	SD	AS	160	-35	
112300	15475	B	8	20	BRGR	SD	AS	160	-35	
112300	15500	B	8	20	GRBR	SD	SP	160	-30	
112300	15525	AB	8	20	GR	SD	SP	150	-25	
112300	15550	AB	10	25	GR	SD	SP	150	-20	
112300	15575	AB	8	20	GR	SD	SP	95	-15	
112300	15600	AB	10	25	GRBR	RK	SP	90	-10	15m up from creek
112300	15625	B	7	18	BR	RK	SP	175	-10	5m from creek
112300	15650	B	8	20	BR	SH	SP	250	-25	near creek bank
112300	15675	B	10	25	BR	SD	SP	250	-30	
112300	15700	B	4	10	BR	SD	SP	250	-25	
112300	15725	B	6	15	BR	SD	SP	250	-25	
112300	15750	B	6	15	BR	GR	GC	250	-25	
112300	15775	B	8	20	BR	FSD	GC	250	-25	
112300	15800	AB	10	25	BR	SD	GC	250	-20	
112300	15825	B	8	20	BR	GR	GC	250	-20	
112300	15850	B	6	15	BR	FGR	GC	250	-30	
112300	15875	B	7	18	BR	FGR	GC	250	-35	
112300	15900	AB	8	20	BR	FGR	GC	250	-35	
112300	15925	B	8	20	BR	FGR	GC	250	-35	
112300	15950	B	10	25	BR	GR	GC	250	-35	
112300	15975	B	8	20	BR	GR	GC	250	-35	
112300	16000	B	8	20	BR	GR	GC	250	-35	
112350	14700	B		0	GRBR	SDGR	PNAS	-7	190	
112350	14725	B		0	BR	SDGR	PNAS	-10	180	
112350	14750	B		0	BR	SDGR	PNAS	-10	230	
112350	14775	B		0	GRBR	SDGR	AS	-12	190	
112350	14800	B		0	LTBR	SDGR	PNAS	-12	190	
112350	14825	B		0	BR	SDGR	AS	-15	180	
112350	14850	B		0	GRBR	SDGR	PNAS	-15	200	
112350	14875	B		0	GRBR	SDGR	PNAS	-12	200	

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112350	14900	AB		0	GR	CLGR	PNAS	-8	200	
112350	14925	B		0	GRBR	CGR	AS	-8	170	
112350	14950	B		0	GR	CLGR	AS	-12	170	
112350	14975	B		0	GRBR	CLGR	PN	-12	200	
112350	15000	B		0	ORBR	GR	AS	-15	180	
112350	15025	B		0	GRBR	CGR	PN	-18	210	
112350	15050	B		0	GRBR	GR	PNAS	-15	210	
112350	15075	B		0	GRBR	GR	AS	-17	190	
112350	15100	AB		0	GR	GR	AS	-25	190	
112350	15125	NS		0						rocks and boulders only
112350	15150	AB	9	23	GRBR	SD	PNabMS	200	-10	
112350	15175	B	12	30	GRBR	SD	PNabMS	200	-10	
112350	15200	B	12	30	GRBR	SD	PNabMS	180	-5	
112350	15225	B	14	36	GRBR	SD	PNabMS	180	0	
112350	15250	B	12	30	GRBR	CSD	PNabMS	180	-5	
112350	15275	B	12	30	GRBR	SD	PNabMS	180	0	
112350	15300	B	12	30	GRBR	SD	PNabMS	190	-10	
112350	15325	AB	9	23	GR	SD	PNabMS	180	-5	
112350	15350	B	12	30	BR	SD	PNabMS	170	-2	
112350	15375	B	10	25	BR	SD	PNabMS	170	0	
112350	15400	AB	8	20	GRBR	SD	PNabMS	170	0	
112350	15425	AB	9	23	GRBR	SD	PNabMS	170	-5	slight organic content
112350	15450	B	12	30	GRBR	CSD	PNabMS	170	-5	
112350	15475	B	14	36	GRBR	CSD	PNabMS	170	0	
112350	15500	B	16	41	GRBR	CSD	PNabMS	170	5	
112350	15525	B	12	30	GRBR	CSD	PNabMS	140	15	
112350	15550	B	18	46	GRBR	CSD	PNabMS	140	20	
112350	15575	B	12	30	GRBR	CSD	PNabMS	140	40	
112350	15600	AB	8	20	BR	CSD	PNabMS	130	40	
112350	15625	AB	9	23	BR	CSD	PNabMS	140	20	
112350	15650	B	18	46	GR	CSD	PNabMS	180	15	
112350	15675	B	12	30	BR	CSD	PNabMS	120	35	sampled 8m W. of creek
112350	15700	AB	9	23	GRBR	CL	PNabMS	250	-40	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112350	15725	B	18	46	BR	CSD	PNabMS	250	-35	
112350	15750	AB	8	20	DKBR	CSD	MSPNab	250	-35	
112350	15775	B	15	38	DKBR	CSD	MSPN	260	-35	sampled 5m S. of station
112350	15800	B	12	30	DKBR	CSD	MSPN	260	-40	
112350	15825	AB	10	25	DKBR	CSD	MSPN	260	-40	
112350	15850	T	5	13	GR	CSD	MSPN	260	-35	
112350	15875	AB	9	23	DKBR	CSD	MS	270	-30	
112350	15900	T	4	10	DKBR	T	MS	270	-25	
112350	15925	T	6	15	DKBR	T	MS	270	-40	
112350	15950	T	5	13	DKBR	T	MS	270	-30	
112350	15975	T	6	15	DKBR	T	MS	270	-30	
112350	16000	AB	8	20	BRGR	CSD	MS	270	-30	
112400	14700	B	4	10	GRBR	SDGR	PNAS	-8	180	
112400	14725	AB	8	20	GRBR	SDGR	PNAS	-10	220	
112400	14750	AB	6	15	LTBR	SDGR	PNAS	-10	180	
112400	14775	B	3	8	BR	SDGR	AS	-10	190	
112400	14800	B	9	23	GRBR	SDGR	PNAS	-9	210	
112400	14825	AB	5	13	BR	SDGR	PNAS	-12	210	
112400	14850	AB	7	18	ORGRBR	SDGR	PNAS	-12	210	no clear B horizon
112400	14875	AB	12	30	GRBR	SDGR	PNAS	-12	210	
112400	14900	AB	8	20	GRBR	SDGR	ASPN	180	-16	
112400	14925	AB	6	15	GRBR	SDGR	AS	170	-16	bed rock @ 6in
112400	14950	AB	8	20	ORBR	SDGR	ASPN	170	-15	
112400	14975	B	8	20	GRBR	SDGR	PNSP	190	-15	
112400	15000	B	8	20	GR	SDGR	ASPN	190	-20	very big rocks in soil
112400	15025	NS		0						old creek bed
112400	15050	AB	8	20	ORBR	SDGR	PN	160	-20	
112400	15075	B	6	15	GRBR	SDGR	ASPN	200	-21	
112400	15100	AB	6	15	GR	SDGR	AS	200	-18	
112400	15125	AB	5	13	GR	SDGR	AS	200	-18	
112400	15150	B	4	10	BR	SD	AS	200	-19	
112400	15175	B	4	10	BR	SD	ASPN	200	-19	
112400	15200	B	6	15	BR	SD	AS	210	-22	bid rocks; 15-30cm in soil

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112400	15225	B	4	10	BR	SD	AS	190	-20	
112400	15250	AB	8	20	GRBR	SDGR	AS	180	-30	
112400	15275	B	6	15	GRBR	SD	AS	180	-30	
112400	15300	B	6	15	BR	SD	AS	180	-30	
112400	15325	B	6	15	GRBR	SDGR	ASPN	180	-25	
112400	15350	B	5	13	BR	SD	AS	180	-30	
112400	15375	B	4	10	BR	SD	AS	180	-30	big boulders near surface
112400	15400	B	6	15	ORBR	SD	AS	170	-35	
112400	15425	B	6	15	DKBR	SD	AS	170	-30	
112400	15450	B	5	13	GRBR	SD	AS	170	-30	
112400	15475	B	6	15	DKBR	SD	ASMS	150	-27	
112400	15500	B	4	10	DKBR	SDGR	ASMS	150	-27	
112400	15525	B	4	10	DKBR	SD	PN	140	-25	
112400	15550	B	6	15	DKBR	SD	ASPN	110	-28	
112400	15575	B	8	20	DKBR	SD	ASPN	140	-30	3.5m west of stake
112400	15600	B	5	13	BR	SD	PN	120	-34	
112400	15625	B	6	15	DKBR	SD	PN	110	-30	
112400	15650	B	8	20	DKBR	SDGR	MS	130	-28	
112400	15675	B	6	15	GR	SD	GR	140	-20	on the other side of the creek
112400	15700	B	8	20	DKBR	SD	PN	240	-30	just above creek
112400	15725	AB	14	36	BR	SDGR	PN	240	-34	
112400	15750	B	8	20	BR	SDGR	PN	240	-32	
112400	15775	B	8	20	GRBR	CGR	PNMS	230	-28	
112400	15800	B	6	15	GRBR	SDGR	AS	220	-22	
112400	15825	AB	4	10	GRBR	SDGR	ASGR	230	-25	
112400	15850	B	8	20	BR	SD	GRMS	220	-30	
112400	15875	B	8	20	BR	SDGR	GR	230	-30	
112400	15900	AB	16	41	BR	SDGR	GR	250	-25	
112400	15925	AB	2	5	GR	CGR	NONE	230	-30	
112400	15950	AB	6	15	GRBR	CGR	GR	240	-28	
112400	15975	NS		0						
112400	16000	AB	6	15	GR	CGR	NONE	230	-38	
112450	15000	B	6	15	LTBR	GRSD	ABPN	200	-15	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112450	15025	B	6	15	BR	GRSD	AB	180	-20	
112450	15050	B	6	15	BR	GRSD	AB	180	-20	
112450	15075	B	6	15	BR	GRSD	AB	180	-20	
112450	15100	B	9	23	RDBR	GRSD	AB	185	-20	
112450	15125	B	6	15	BR	GRSD	AB	185	-20	
112450	15150	B	9	23	BR	SD	AB	185	-20	
112450	15175	AB	4	10	GR	GRRK	AB	185	-20	schist in sample
112450	15200	B	12	30	BR	GRSD	AB	185	-15	
112450	15225	B	6	15	BR	GRSD	AB	185	-15	
112450	15250	AB	9	23	BRGR	SD	AB	185	-20	
112450	15275	B	12	30	GNBR	GRSD	AB	185	-20	
112450	15300	B	6	15	GRBR	GRSD	AB	180	-20	
112450	15325	B	6	15	BR	GRSD	AB	180	-20	
112450	15350	AB	6	15	BR	GRSD	AB	180	-20	
112450	15375	B	12	30	ORGRBR	GRSD	AB	180	-20	
112450	15400	B	6	15	BR	GRSD	AB	170	-30	
112450	15425	NS		0				170	-25	
112450	15450	B	4	10	BR	SDGR	AB	170	-25	
112450	15475	B	6	15	BR	SDGR	AB	120	-25	
112450	15500	B	9	23	BR	SDRK	AB	120	-25	
112450	15525	AB	9	23	BR	STSD	AB	120	-35	
112450	15550	B	4	10	BR	STSD	AB	120	-35	
112450	15575	B	6	15	LTBR	STSD	PN	100	-30	
112450	15600	B	6	15	BR	STSD	GR	100	-30	
112450	15625	B	12	30	BR	SD	GR	130	-30	
112450	15650	B	12	30	BR	SDRK	AB	130	-30	
112450	15675	B	18	46	BR	GR	AB	100	-30	
112450	15700	B	12	30	GRBR	CLGR	AB	250	-30	
112450	15725	AB	9	23	BR	SDGR	AB	220	-35	
112450	15750	B	6	15	BR	SDGR	AB	250	-30	
112450	15775	AB	6	15	BR	GRRK	AB	250	-30	
112450	15800	AB	9	23	BR	GRRK	GR	200	-30	
112450	15825	B	8	20	BR	SDGR	GR	200	-30	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112450	15850	B	12	30	BR	GRRK	GR	210	-30	TAG SAYS 112950 N
112450	15875	B	6	15	BR	SDGR	GR	210	-20	
112450	15900	NS		0				210	-20	TAG SAYS 112850 N
112450	15925	B	6	15	BR	SDGR	GR	210	-20	
112450	15950	AB	4	10	GRBR	CLGR	GR	210	-20	TAG SAYS 112900 N
112450	15975	AB	12	30	GRBR	GRRK	GR	210	-20	
112450	16000	AB	6	15	BR	GRRK	GR	210	-20	
112500	14700	B	4	10	BR	SDGR	PNAS	-13	210	
112500	14725	B	5	13	LTGRBR	SDGR	PNAS	-17	210	
112500	14750	B	18	46	LTBR	SDGR	PNAS	-17	210	
112500	14775	B	6	15	GRBR	SDGR	PNAS	-15	210	
112500	14800	B	3	8	LTBR	SDGR	PNAS	-15	210	
112500	14825	B	3	8	ORBR	SDGR	PNAS	-10	220	
112500	14850	B	5	13	LTBR	SDGR	AS	-12	220	
112500	14875	B	7	18	GR	SDGR	PN	-9	220	
112500	14900	NS		0						too many large roots to get sample
112500	14925	B	3	8	LTGRBR	SDGR	AS	-10	190	
112500	14950	AB	7	18	LTGR	SDGR	PNAS	-8	190	no clear B horizon
112500	14975	B	2	5	LTBR	SDGR	AS	-8	220	
112500	15000	B	3	8	LTBR	SDGR	PNAS	-10	220	
112500	15025	AB	6	15	BRGR	SD	SP	175	-10	
112500	15025	AB	4	10	GRBR	SD	SP			
112500	15050	AB	8	20	BRGR	SD	SP	170	-10	
112500	15050	AB	4	10	GRBR	SD	SP			
112500	15075	AB	6	15	BRGR	SD	SP	165	-12	
112500	15075	AB	4	10	GRBR	SD	SP			
112500	15100	AB	8	20	BRGR	SD	SP	165	-15	
112500	15100	AB	4	10	BR	SD	SP			
112500	15125	AB	6	15	GR	SD	SP	160	-15	
112500	15125	AB	4	10	GR	SD	SP			
112500	15150	AB	6	15	GR	SD	AS	160	-15	
112500	15150	AB	4	10	GR	SD	AS			
112500	15175	B	10	25	BR	GR	AS	160	-18	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112500	15175	B	10	25	BR	GR	AS			
112500	15200	B	6	15	GRBR	GR	GC	160	-20	
112500	15200	B	6	15	BR	GR	NONE			
112500	15225	B	10	25	GRBR	GR	AS	160	-25	
112500	15225	B	10	25	GRBR	GR	AS			
112500	15250	B	8	20	LTBR	GR	AS	150	-25	
112500	15250	B	8	20	LTBR	GR	AS			
112500	15275	B	6	15	YLBR	SD	AS	150	-29	
112500	15275	B	6	15	YLBR	SD	AS			
112500	15300	AB	9	23	BR	SD	AS	150	-25	
112500	15300	AB	9	23	BR	SD	AS			
112500	15325	AB	10	25	BR	SD	AS	150	-25	
112500	15325	AB	10	25	BR	SD	AS			
112500	15350	B	8	20	BR	SD	AS	150	-25	
112500	15350	B	8	20	BR	GR	AS			
112500	15375	AB	8	20	BR	RK	AS	145	-25	
112500	15375	AB	8	20	BR	RK	AS			
112500	15400	AB	10	25	BR	SD	AS	145	-20	
112500	15400	AB	10	25	BR	SD	AS			
112500	15425	AB	8	20	BR	RK	GC	145	-20	
112500	15425	AB	8	20	BR	RK	NONE			
112500	15450	AB	10	25	BR	RK	AS	160	-28	
112500	15475	B	10	25	BR	SD	AS	150	-25	
112500	15500	B	10	25	BR	RK	GC	115	-25	
112500	15525	B	10	25	BR	FSD	AS	110	-30	
112500	15550	B	12	30	BR	FSD	AS	120	-25	
112500	15575	B	10	25	BR	SD	SP	135	-25	
112500	15600	B	12	30	BR	SD	SP	140	-25	
112500	15625	B	10	25	BR	SD	SP	90	-20	
112500	15650	B	8	20	LTBR	SD	SP	95	-20	
112500	15675	NS		0						RK 5m from creek
112500	15700	AB	8	20	BR	RK	GC	235	-35	
112500	15725	B	10	25	BR	FGR	SP	235	-35	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112500	15750	AB	8	20	DKBR	RK	GC	235	-35	
112500	15775	AB	8	20	DKBR	RK	GC	235	-30	
112500	15800	AB	8	20	DKBR	RK	GC	235	-30	
112500	15825	B	6	15	BR	RK	GC	235	-30	
112500	15850	AB	6	15	BR	RK	GC	235	-32	
112500	15875	B	8	20	BR	FGR	GC	235	-28	
112500	15900	AB	8	20	DKBR	RK	GC	235	-35	
112500	15925	AB	10	25	DKBR	RK	GC	240	-35	
112500	15950	AB	10	25	DKBR	RK	GC	240	-35	
112500	15975	AB	8	20	DKBR	RK	GC	240	-35	
112500	16000	AB	8	20	BR	RK	GC	240	-35	
112550	14700	B	5	13	BR	SD	AS	210		
112550	14725	B	5	13	BR	SDGR	AS	210		
112550	14750	B	4	10	ORBR	SD	AS	200		
112550	14775	B	4	10	GR	SD	ASPN	200		
112550	14800	B	6	15	GR	SDGR	ASPN	200		
112550	14825	B	6	15	ORBR	SD	AS	200		
112550	14850	B	4	10	ORBR	SDGR	AS	200		
112550	14875	B	4	10	ORBR	SD	ASSP	200		
112550	14900	B	5	13	ORBR	SD	SPPN	190		
112550	14925	B	5	13	ORBR	CGR	ASSP	190		
112550	14950	B	4	10	ORBR	SDGR	ASSP	190		
112550	14975	AB	5	13	GRBR	SDGR	ASSP	190		thin soil forizon above bedrock
112550	15000	B	4	10	GR	SD	ASPN	200		
112550	15025	B	9	23	BR	SDGR	ABGR	190	-5	
112550	15050	B	6	15	BR	SD	AB	190	-10	
112550	15075	B	12	30	BR	SD	AB	190	-10	
112550	15100	NS								just boulders, no B horizon
112550	15125	B	6	15	GRBR	SD	PNABGR	190	-15	
112550	15150	B	12	30	GRBR	SDGR	GRPN	200	-15	
112550	15175	B	4	10	GRBR	SDGR	GRPN	200	-15	
112550	15200	B	4	10	BR	SDGR	GR	200	-15	
112550	15225	B	6	15	BR	SDGR	GR	170	-5	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112550	15250	AB	12	30	BR	GRRK	GR	170	-20	
112550	15275	B	9	23	DKBR	SD	ABGR	170	-30	
112550	15300	NS	12	30						boulders only, no B horizon
112550	15325	B	12	30	BR	SDGR	ABGR	170	-30	
112550	15350	B	9	23	BR	SD	ABGR	170	-30	
112550	15375	B	9	23	BR	SDGR	ABGR	170	-30	
112550	15400	NS		0						boulders only, no B horizon
112550	15425	B	4	10	BR	GR	AB	170	-35	
112550	15450	B	4	10	BR	CLGR	AB	170	-35	
112550	15475	B	4	10	GRBR	CLGR	AB	170	-35	
112550	15500	B	12	30	GR	GR	NONE	110	-35	
112550	15525	B	6	15	BR	CLGR	NONE	110	-30	
112550	15550	B	2	5	BR	CLGR	NONE	110	-30	
112550	15575	B	9	23	BR	SD	ABPN	120	-25	
112550	15600	B	9	23	BR	STSD	ABPN	120	-20	
112550	15625	B	6	15	BR	SDGR	ABPN	120	-30	
112550	15650	B	9	23	BR	SD	ABPN	120	-30	
112550	15675	B	4	10	GR	CLGR	AB	140	-25	
112550	15700	B	12	30	BR	SD	GR	140	-20	
112550	15725	B	2	5	BR	GR	NONE	130	-15	
112550	15750	B	18	46	BR	STSD	GR	130	-5	
112550	15775	B	4	10	GRBR	CLGR	GR	250	-35	
112550	15800	B	18	46	BR	GRRK	GR	250	-35	
112550	15825	AB	9	23	BR	GRRK	GR	250	-35	
112550	15850	AB	6	15	BR	GRRK	GR	250	-35	
112550	15875	AB	12	30	BR	GRRK	GR	250	-35	
112550	15900	AB	9	23	BR	GRRK	GR	250	-30	
112550	15925	AB	9	23	GR	GRRK	GR	250	-30	
112550	15950	AB	12	30	BR	GRRK	GR	250	-30	
112550	15975	AB	9	23	BR	GRRK	GR	250	-30	
112550	16000	AB	9	23	BR	GRRK	GR	250	-20	
112600	14700	B	5	13	BR	SD	ASPN	190	-16	
112600	14725	B	4	10	ORBR	SD	AS	180	-17	very bright orange color

COLUMBIA GOLD MINES LTD.

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112600	14750	B	4	10	ORBR	SD	ASPN	180	-18	
112600	14775	B	4	10	BR	SDGR	AS	180	-18	
112600	14800	B	3	8	GRBR	SDGR	AS	180	-17	
112600	14825	B	5	13	GR	CGR	ASPN	180	-17	
112600	14850	B	6	15	DKBR	SD	ASPN	180	-18	
112600	14875	B		0	BR	CSD	AB	200	-4	
112600	14900	AB		0	GRBR	CSD	AB	200	-3	
112600	14925	B		0	BR	CSD	AB	200	-2	
112600	14950	B		0	BR	CSD	AB	200	-2	
112600	14975	B		0	DKBR	CSD	AB	200	-4	
112600	15000	B		0	BR	CSD	AB	200	-10	
112600	15025	B		0	DKBR	CSD	AB	200	-10	
112600	15050	B		0	BR	CSD	AB	200	-10	
112600	15075	B		0	DKBR	CSD	AB	200	-15	
112600	15100	AB		0	BR	CSD	AB	200	-10	
112600	15125	B		0	DKBR	CSD	AB	200	-10	
112600	15150	B		0	BR	CSD	AB	200	-10	
112600	15175	B		0	BR	CSD	AB	200	-15	
112600	15200	B		0	BR	CSD	PN	200	0	
112600	15225	B		0	BR	CSD	PN	200	-10	
112600	15250	B		0	BR	CSD	PN	200	-20	
112600	15275	AB		0	BR	CSD	PN	200	-35	
112600	15300	AB		0	BR	CSD	GR	190	-25	
112600	15325	B		0	BR	CSD	GR	190	-25	
112600	15350	AB		0	BR	CSD	GR	190	-20	
112600	15375	B		0	RDBR	CSD	GR	190	-15	
112600	15400	AB		0	DKBR	CLRK	GR	190	-20	
112600	15425	AB		0	DKBR	CLSD	GR	190	-5	
112600	15450	A		0	DKBR	RK	GR	180	-15	
112600	15475	A		0	DKRDBR	RK	GR	340	-15	
112600	15500	A		0	DKBR	RK	GR	320	-30	
112600	15525	AB		0	DKBR	RK	GR	300	-35	
112600	15550	B		0	DKBR	SD	PN	290	-40	

COLUMBIA GOLD MINES LTD.

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112600	15575	B		0	DKBR	SD	PN	330	-35	
112600	15600	A		0	DKBR	RK	PN	330	-25	
112600	15625	B		0	DKBR	SD	PN	330	-25	
112600	15650	B		0	DKBR	SD	PN	330	-25	
112600	15675	B		0	DKGRBR	SD	PN	330	-20	
112600	15700	B		0	DKGRBR	SD	PN	330	-5	
112600	15725	B		0	DKGRBR	SD	PN	330	-20	
112600	15750	B		0	DKGRBR	SD	PN	340	-10	
112600	15775	B		0	DKGRBR	SD	PN	320	-15	
112600	15800	AB		0	DKBR	SD	PN	340	-15	
112600	15825	B		0	DKGRBR	SD	GR	250	-25	
112600	15850	A		0	GRBR	SD	GR	250	-35	
112600	15875	A		0	GRBR	CSD	GR	250	-35	
112600	15900	B		0	GRBR	CSD	GR	250	-30	
112600	15925	B		0	DKBR	SD	GR	250	-35	
112600	15950	A		0	BR	SD	GR	250	-35	
112600	15975	B		0	DKGRBR	CSD	GR	250	-30	
112600	16000	AB		0	DKGRBR	SD	GR	250	-30	
112650	14725	B	4	10	ORBR	SDGR	AS	200	-16	
112650	14750	B	4	10	ORBR	SD	AS	200	-17	
112650	14775	B	6	15	ORGR	SD	ASPN	200	-17	
112650	14800	B	4	10	DKBR	SDGR	ASPN	210	-15	
112650	15025	B	6	15	ORGR	SDGR	ASPN	220	-22	
112650	15050	B	4	10	GRBR	CGR	ASSP	210	-20	
112650	15075	B	4	10	BR	SDGR	ASPN	220	-20	
112650	15100	B	5	13	BR	SDGR	AS	220	-28	
112650	15125	B	5	13	BR	SDGR	AS	210	-30	
112650	15150	B	5	13	BR	SDGR	GR	210	-30	
112650	15175	B	5	13	ORBR	SDGR	GR	210	-30	
112650	15200	B	6	15	DKBR	SDGR	AS	200	-30	
112650	15225	B	8	20	ORBR	SDGR	AS	200	-30	
112650	15250	B	8	20	GRBR	CGR	GR	210	-30	
112650	15275	B	4	10	GRBR	CGR	GR	210	-30	lots of talus in soil

COLUMBIA GOLD MINES LTD.

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112650	15300	B	5	13	GRBR	SDGR	GR	220	-25	in rock slide deposit
112650	15325	B	6	15	GRBR	CGR	GR	230	-20	in rock slide deposit
112650	15350	AB	6	15	GRBR	CGR	GR	220	-20	lots of talus in soil
112650	15375	B	5	13	GRBR	SDGR	GR	210	-23	
112650	15400	B	6	15	GRBR	SDGR	GR	220	-28	
112650	15425	B	5	13	GRBR	SDGR	GR	210	-22	
112650	15450	B	8	20	BR	CGR	GR	110	-18	
112650	15475	AB	4	10	BR	CGR	GR	100	-20	lots of talus in soil
112650	15500	AB	1	3	GRBR	CGR	GR	100	-35	
112650	15525	B	5	13	GRBR	SDGR	GR	100	-35	
112650	15550	AB	6	15	GRBR	CGR	GR	100	-35	
112650	15575	B	4	10	BR	CGR	GR	100	-35	
112650	15600	B	5	13	BR	SD	GR	110	-30	
112650	15625	B	4	10	GRBR	SDGR	GR	120	-30	
112650	15650	B	4	10	BR	SD	PN	120	-32	
112650	15675	B	4	10	BR	SD	GR	130	-32	
112650	15700	B	4	10	BR	SD	GR	140	-30	
112650	15725	B	4	10	DKBR	SDGR	GR	140	-30	
112650	15750	B	5	13	GRBR	SDGR	GR	150	-30	
112650	15775	B	5	13	DKBR	CGR	GR	150	-30	
112650	15800	B	6	15	DKBR	ADGR	PN	150	-30	
112650	15825	B	6	15	GRBR	SDGR	AS	-13	210	
112650	15825	B	6	15	GRBR	CGR	NONE	200	-28	
112650	15850	AB	6	15	GR	CLGR	PN	-8	200	
112650	15850	AB	3	8	GRBR	CGR	NONE	200	-25	in creek bed
112650	15875	B	2	5	GRBR	GR	PN	-9	200	
112650	15875	AB	3	8	GR	CGR	NONE	230	-25	in creek bed
112650	15900	B	3	8	LTBR	CGR	PN	-10	230	near creek
112650	15900	B	3	8	DKBR	CGR	NONE	250	-28	near creek
112650	15925	B	4	10	GRBR	SD	SPPN	-11	220	
112650	15925	B	3	8	DKBR	CGR	NONE	260	-28	
112650	15950	B	3	8	GRBR	SDGR	PNAS	-12	220	
112650	15950	B	3	8	DKBR	CGR	NONE	250	-30	lots of talus in the soil

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112650	15975	B	4	10	GRBR	SDGR	AS	-12	220	
112650	15975	B	3	8	DKBR	CGR	NONE	270	-30	lots of talus in the soil
112650	16000	B	3	8	BR	SDGR	PNAS	-12	160	
112650	16000	B	3	8	DKBR	CGR	NONE	270	-30	lots of talus in the soil
112700	14700	B	5	13	BR	SDGR	AS	190	-18	
112700	14725	B	4	10	BR	SDGR	AS	180	-20	
112700	14750	B	4	10	ORBR	SDGR	AS	190	-18	
112700	14775	B	5	13	BR	SDGR	AS	180	-7	
112700	14800	B	7	18	RDBR	SDGR	SPAS	-9	170	
112700	14825	B	8	20	BR	SDGR	AS	-10	170	
112700	14850	B	4	10	GRBR	SDGR	PNAS	-8	170	
112700	14875	NS		0						stake in the stream
112700	14900	B	3	8	LTBR	CLGR	PNAS	-3	170	
112700	14925	B	3	8	LTORBR	SDGR	PNAS	-3	170	
112700	14950	B	1	3	YLBR	CLGR	PNAS	-5	170	
112700	14975	B	4	10	ORGRBR	SDGR	PN	-14	170	
112700	15000	B	3	8	GRBR	SDGR	AS	-17	180	
112700	15025	B	3	8	GRBR	SDGR	PNAS	-16	220	
112700	15050	B	5	13	GRBR	SDGR	AS	-17	220	
112700	15075	NS		0						too many rocks to obtain good sample
112700	15100	B	4	10	GRBR	GR	AS	-25	220	
112700	15125	B	3	8	GRBR	SDGR	AS	-27	220	
112700	15150	B	6	15	DKBR	SDGR	AS	-20	220	
112700	15175	B	3	8	LTBR	SDGR	AS	-20	190	
112700	15200	B	3	8	GRBR	CGR	AS	-24	220	
112700	15225	AB	9	23	BR	SDGR	PNAS	-25	180	
112700	15250	B	5	13	DKGRBR	SDGR	GR	-25	180	
112700	15275	B	2	5	DKBR	SDGR	ASGR	-23	180	
112700	15300	B	1	3	DKGRBR	GR	GR	-27	180	
112700	15325	B	1	3	DKRDBR	GR	GR	-20	210	
112700	15350	B	5	13	LTBR	GR	ASGR	-20	210	
112700	15375	B	4	10	LTORBR	GR	GR	-15	210	
112700	15400	B	3	8	LTBR	SDGR	GR	-9	180	

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112700	15425	B	4	10	DKBR	GR	GR	-7	140	
112700	15450	B	7	18	BR	SDGR	GR	-7	140	
112700	15475	B	4	10	DKBR	CGR	GR	-10	140	
112700	15500	B	2	5	DKGRBR	CGR	GR	-15	140	
112700	15525	B	6	15	GRBR	GR	GR	-17	120	
112700	15550	NS		0						
112700	15575	B	5	13	GRBR	GR	GR	-22	120	
112700	15600	B	4	10	LTBR	GR	GR	-21	140	
112700	15625	B	3	8	GRBR	GR	GR	-25	140	
112700	15650	B	4	10	BR	SDGR	PNGR	-24	140	
112700	15675	AB	10	25	BR	SDGR	PNGR	-19	150	no clear B horizon
112700	15700	B	8	20	BR	SDGR	PNGR	-20	150	
112700	15725	AB	5	13	DKBR	CGR	PN	-20	150	
112700	15750	B	1	3	DKBR	CGR	PNGR	-20	150	
112700	15775	B	3	8	BR	CGR	PNGR	-20	140	
112700	15800	B	5	13	DKBR	CGR	GR	-25	140	
112700	15825	AB	6	15	DKBR	CGR	GR	-25	180	
112700	15850	B	8	20	DKBR	CGR	GR	-21	180	
112700	15875	AB	6	15	DKBR	CGR	GR	-25	180	
112700	15900	B	6	15	DKGRBR	CGR	GR	-23	210	
112700	15925	B	2.5	6	DKGRBR	CGR	GR	-25	210	sample taken from old stream bed
112700	15950	B	5	13	DKGR	CGR	GR	-35	210	
112700	15975	B	1	3	DKGRBR	CGR	GR	-20	230	in old stream bed
112700	16000	B	4	10	DKBR	CGR	GR	-20	230	
112750	14700	B		0	BR	SD	PN	190	-2	
112750	14725	B		0	BR	SD	PN	190	-1	
112750	14750	B		0	RDBR	SD	PN	180	-1	
112750	14775	B		0	RDBR	SD	PN	180	-2	
112750	14800	B		0	BR	SD	PN	190	-1	
112750	14825	B		0	RDBR	SD	PN	190	0	
112750	14850	B	12	30	YLBR	GRRK	AB	160	-5	
112750	14875	B	6	15	ORBR	GRRK	AB	160	-5	
112750	14900	B	6	15	ORYLBR	SDGR	AB	160	-5	

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112750	14925	B	4	10	YLBR	SDGR	AB	160	-5	
112750	14950	B	6	15	YLBR	SDGR	AB	160	-10	
112750	14975	B	6	15	YLBR	SDGR	AB	160	-10	soil looks mineralized,sparkling gold color
112750	15000	B	6	15	BR	SDGR	AB	200	-15	
112750	15025	B	9	23	BR	SDGR	AB	200	-10	
112750	15050	B	9	23	GR	GR	AB	200	-5	
112750	15075	B	12	30	ORBR	SD	AB	210	-15	
112750	15100	B	18	46	RDBR	GRRK	AB	210	-15	
112750	15125	B	12	30	GRBR	GRRK	AB	210	-20	
112750	15150	NS		0						
112750	15175	NS		0						
112750	15200	B	8	20	BR	SD	GR	210	-10	
112750	15225	NS		0						
112750	15250	B	4	10	GRBR	GRRK	NONE	210	-15	
112750	15275	B	6	15	BR	SDGR	GR	220	-25	
112750	15300	B	6	15	BR	GRRK	GR	220	-25	
112750	15325	B	7	18	BR	SDGR	GR	220	-15	
112750	15350	B	4	10	BR	SDGR	GR	220	-20	
112750	15375	B	6	15	BR	SDGR	GR	220	-20	
112750	15400	B	6	15	BR	GRRK	GR	70	-30	
112750	15425	B	4	10	BR	GR	GR	70	-30	
112750	15450	B	6	15	BR	GR	GR	70	-20	
112750	15475	B	9	23	BR	GR	GR	70	-20	
112750	15500	B	12	30	BR	GR	GR	140	-25	
112750	15525	B	9	23	BR	SDGR	GR	140	-35	
112750	15550	B	9	23	BR	SDGR	GR	140	-35	
112750	15575	B	6	15	BR	GR	GR	140	-35	
112750	15600	B	6	15	BR	GR	GR	120	-35	
112750	15625	B	9	23	BR	GRRK	GR	120	-30	
112750	15650	AB	9	23	BR	SDGR	GR	140	-30	
112750	15675	B	9	23	BR	SDGR	GR	140	-30	
112750	15700	B	6	15	BR	SDGR	GR	140	-30	
112750	15725	B	12	30	BR	SD	GR	150	-30	

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112750	15750	B	9	23	BR	SDGR	GR	160	-30	
112750	15775	AB	9	23	DKBR	SDGR	GR	180	-30	
112750	15800	B	9	23	GRBR	GR	GR	180	-30	
112750	15825	B	12	30	BR	SDGR	GR	180	-30	
112750	15850	AB	12	30	DKBR	SDRK	GR	210	-30	
112750	15875	AB	12	30	DKBR	GRRK	GR	210	-30	
112750	15900	AB	9	23	DKBR	SDGR	GR	210	-30	
112750	15925	AB	12	30	DKBR	SDGR	GR	210	-30	
112750	15950	AB	12	30	DKBR	SDGR	GR	210	-30	
112750	15975	AB	6	15	DKBR	SDGR	GR	210	-30	
112800	14700	B		0	RDBR	SD	PN	210	-1	
112800	14725	B		0	RDBR	SD	PN	170	-1	
112800	14750	B		0	BR	SD	PN	170	0	
112800	14775	B		0	BR	SD	PN	190	-5	
112800	14800	B		0	BR	SD	PN	190	0	
112800	14825	B		0	BR	SD	PN	190	0	
112800	14850	B		0	BR	SD	PN	190	0	
112800	14875	B		0	BR	SD	PN	180	0	
112800	14900	B		0	BR	CLSD	GR	190	-3	
112800	14925	B		0	BR	CLSD	GR	220	0	
112800	14950	B		0	GRBR	CLSD	GR	220	-5	
112800	14975	B		0	DKBR	RK	GR	200	-25	
112800	15000	B		0	GRBR	RK	GR	220	-25	
112800	15025	B		0	GRBR	RK	GR	200	-10	
112800	15050	B		0	GRBR	SD	GR	210	-15	
112800	15075	A		0	RDBR	RK	GR	220	-10	
112800	15100	B		0	RDBR	SD	GR	220	-30	
112800	15125	B		0	RDBR	SD	GR	210	-30	
112800	15150	B		0	GRBR	SD	GR	210	-30	
112800	15175	B		0	GRBR	SD	GR	210	-25	
112800	15200	B		0	RDBR	CSD	GR	210	-25	
112800	15225	B		0	DKBR	CSD	GR	210	-20	
112800	15250	B		0	DKBR	CSD	GR	210	-25	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112800	15275	B		0	GR	SD	GR	220	-20	
112800	15300	AB		0	GRBR	RK	GR	200	-15	
112800	15325	B		0	DKBR	SDRK	GR	200	-15	
112800	15350	A		0	DKBR	RK	GR	210	-15	
112800	15375	B		0	DKBR	SDRK	GR	200	-5	
112800	15400	B		0	DKBR	SDRK	GR	200	-2	
112800	15425	B		0	GRBR	CLSDRK	GR	190	0	
112800	15450	A		0	GRBR	RK	GR	180	-1	
112800	15475	B		0	GRBR	CLSDRK	GR	160	0	
112800	15500	B		0	GRBR	CLSD	GR	130	-5	
112800	15525	AB		0	GRBR	RK	GR	130	-30	
112800	15550	B		0	BR	SD	GR	140	-25	
112800	15575	B		0	BR	SD	GR	150	-25	
112800	15600	B		0	GRBR	CLSD	GR	140	-20	
112800	15625	B		0	GRBR	CLSD	AB	140	-20	
112800	15650	B		0	GRBR	CLSD	AB	150	-15	
112800	15675	A		0	DKBR	RK	GR	150	-15	
112800	15700	A		0	DKBR	RK	GR	150	-15	
112800	15725	B		0	DKBR	CSD	GR	150	-15	
112800	15750	AB		0	DKBR	CSD	GR	150	-15	
112800	15775	A		0	DKBR	RK	GR	160	-10	
112800	15800	A		0	DKBR	RK	GR	160	-5	
112800	15825	A		0	DKBR	RK	GR	170	-2	
112800	15850	AB		0	BR	RK	GR	180	-2	
112800	15875	B		0	BR	CSD	GR	180	0	
112800	15900	AB		0	BR	CSD	GR	180	0	
112800	15925	AB		0	BR	CSD	GR	190	-5	
112800	15950	B		0	BR	CSD	GR	190	-10	
112800	15975	AB		0	DKBR	RK	GR	200	-10	
112800	16000	AB		0	DKBR	RK	GR	200	-15	
112850	14700	B	10	25	ORBR	FSDRK	ASGR	190	-15	
112850	14725	B	8	20	BR	FSDRK	ASGR	200	-8	
112850	14750	B	19	48	BR	SDRK	ASGR	210	-10	soil is very metallic

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112850	14775	B	10	25	GR	CLRK	ASPN	230	-15	
112850	14800	B	8	20	GR	CLRK	ASGR	230	-11	
112850	14825	B	6	15	DKGRBR	FSD	ASGR	210	-9	
112850	14850	B	6	15	ORBR	CLRK	ASGR	190	-10	
112850	14875	B	4	10	YLBR	FSD	ASPN	190	-10	
112850	14900	B	6	15	ORBR	FSD	ASPN	200	-12	
112850	14925	B	10	25	GNGR	FSD	ASGR	190	-13	
112850	14950	B	7	18	ORBR	SD	ASGR	190	-19	
112850	14975	B	6	15	GRBR	GRRK	ASGR	210	-21	
112850	15000	B	9	23	GRBR	SDCL	GR	220	-20	
112850	15025	AB	7	18	GRBR	SDRK	ASGR	220	-16	
112850	15050	AB	6	15	BR	SDRK	GR	230	-14	
112850	15075	AB	7	18	GRBR	SDCL	GR	240	-24	
112850	15100	AB	6	15	GRBR	SDRK	GR	240	-28	
112850	15125	AB	5	13	GR	RK	GR	230	-27	
112850	15150	B	6	15	GR	SDGR	ASGR	230	-26	
112850	15175	B	8	20	GNBR	SDGR	ASGR	220	-23	
112850	15200	B	6	15	GNBR	SDGR	ASGR	240	-21	very little soil available for sample
112850	15225	B	6	15	ORBR	SDGR	ASGR	230	-20	very little soil available for sample
112850	15250	B	5	13	GRBR	CLRK	GR	210	-22	
112850	15275	B	5	13	GRBR	CLRK	NONE	200	-16	
112850	15300	AB	6	15	BR	CLRK	NONE	200	-10	
112850	15325	B	4	10	GRBR	GRRK	GR	230	-9	
112850	15350	B	4	10	GR	CLRK	NONE	210	-15	
112850	15375	NS		0						on side of a cliff, no soil
112850	15400	B	6	15	GR	CLRK	NONE	190	-11	
112850	15425	B	6	15	GR	CLRK	GR	180	-10	
112850	15450	AB	8	20	BR	RK	GR	160	-15	
112850	15475	B	6	15	GR	CL	GR	140	-11	
112850	15500	B	8	20	GRBR	CLRK	GR	140	-11	
112850	15525	B	5	13	GRBR	CLRK	GR	150	-19	
112850	15550	B	9	23	BR	CLRK	GR	150	-18	
112850	15575	AB	8	20	GRBR	CLRK	GR	150	-20	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112850	15600	B	5	13	BR	CLRK	GR	150	-20	
112850	15625	B	10	25	GRBR	GRRK	GR	150	-23	
112850	15650	B	9	23	BR	CLRK	GR	150	-23	
112850	15675	AB	8	20	BR	GRRK	GR	150	-24	rusty rock in sample
112850	15700	B	6	15	BR	SDRK	GR	150	-25	
112850	15725	B	10	25	GRBR	GRRK	GR	150	-27	
112850	15750	AB	8	20	BR	SDRK	AS	160	-27	schist in sample
112850	15775	B	6	15	BR	FSDRK	GR	160	-28	
112850	15800	B	8	20	DKBR	CLRK	GR	170	-28	
112850	15825	AB	6	15	DKBR	CLRK	GR	170	-27	
112850	15850	B	9	23	DKBR	SDCL	GR	170	-27	
112850	15875	AB	9	23	DKBR	RK	GR	180	-26	
112850	15900	B	7	18	DKBR	SDCL	GR	180	-25	
112850	15925	AB	8	20	DKBR	CLRK	GR	190	-25	
112850	15950	AB	9	23	DKBR	CLRK	GR	190	-24	
112850	15975	AB	8	20	DKBR	CLRK	GR	200	-24	
112850	16000	AB	6	15	DKBR	CLRK	GR	200	-24	
112950	14700	B	8	20	LTBR	GR	NONE	175	-5	
112950	14700	B	3	8	BR	SD	ASMS	220	-8	
112950	14725	B	8	20	LTBR	GR	NONE	170	-5	
112950	14725	B	3	8	ORBR	SDGR	ASMS	220	-8	
112950	14750	B	10	25	LTBR	GR	NONE	170	-5	
112950	14750	B	4	10	GR	CL	ASMS	210	-4	
112950	14775	B	10	25	GRBR	CLGR	NONE	170	-5	
112950	14775	B	4	10	GRBR	CGR	ASMS	200	-4	
112950	14800	B	10	25	BR	SD	NONE	190	-5	
112950	14800	B	4	10	GRBR	CL	ASMS	200	-4	
112950	14825	B	8	20	BR	SD	NONE	200	-5	
112950	14825	B	4	10	GRBR	SDGR	ASMS	200	-7	
112950	14850	B	16	41	GR	SD	NONE	200	-5	
112950	14850	AB	5	13	BR	SDGR	ASMS	200	-6	
112950	14875	NS		0						underground water drainage,mud only
112950	14875	NS		0						too many large boulders to get soil

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112950	14900	B	8	20	LTBR	SD	NONE	200	-5	
112950	14900	B	3	8	GR	SD	ASMS	200	-9	
112950	14925	B	6	15	BR	SD	NONE	200	-10	
112950	14925	B	3	8	BR	SDGR	ASMS	200	-12	
112950	14950	B	10	25	BR	SD	NONE	200	-10	
112950	14950	B	3	8	GRBR	SDGR	ASMS	210	-16	
112950	14975	AB	8	20	BR	SD	NONE	200	-15	
112950	14975	B	1	3	GRBR	SDGR	ASMS	230	-18	
112950	15000	B	8	20	BR	SD	NONE	200	-15	
112950	15000	B	3	8	BR	SDGR	ASMS	230	-18	
112950	15025	B	8	20	GR	SD	NONE	200	-15	
112950	15025	B	3	8	ORBR	SDGR	MS	230	-20	
112950	15050	B	10	25	BR	SD	NONE	200	-20	
112950	15050	B	4	10	GRBR	SD	MS	230	-21	
112950	15075	B	12	30	BR	SD	NONE	200	-25	
112950	15075	AB	3	8	GR	CL	ASMS	230	-23	
112950	15100	B	10	25	GRBR	GR	NONE	200	-30	
112950	15100	AB	2	5	GR	CGR	MS	230	-28	
112950	15125	AB	10	25	GR	RK	NONE	200	-30	
112950	15125	NS		0						talus slope
112950	15150	AB	10	25	GR	GRRK	NONE	200	-30	
112950	15150	AB	3	8	GR	SDGR	MS	240	-12	
112950	15175	AB	6	15	GRBR	RK	NONE	200	-25	
112950	15175	AB	3	8	GR	SDGR	MS	330	-6	
112950	15200	AB	10	25	GRBR	RK	NONE	230	-20	
112950	15200	AB	3	8	GR	SDGR	MS	320	-6	
112950	15225	B	8	20	DKBR	SD	NONE	230	-10	
112950	15250	B	8	20	BR	SD	NONE	240	-10	
112950	15275	B	8	20	DKBR	SD	NONE	255	-1	
112950	15300	B	10	25	DKBR	SDRK	NONE	240	-3	
112950	15325	AB	8	20	GRBR	RK	NONE	240	-5	
112950	15350	AB	8	20	DKBR	RK	NONE	340	-30	
112950	15525	AB	8	20	DKBR	RK	NONE	250	-35	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
112950	15550	AB	8	20	DKBR	SD	NONE	250	-20	
112950	15575	AB	8	20	DKBR	RK	NONE	250	-6	
112950	15600	B	8	20	DKBR	SD	NONE	115	-8	crest of ridge
112950	15625	AB	10	25	DKBR	SDRK	NONE	115	-15	
112950	15650	AB	10	25	DKBR	SDRK	NONE	110	-25	
112950	15675	AB	10	25	DKBR	RK	NONE	125	-25	
112950	15700	AB	10	25	DKBR	RK	NONE	125	-30	
112950	15725	B	8	20	BR	CLSD	NONE	120	-30	
112950	15750	B	12	30	BR	CLSD	NONE	125	-35	
112950	15775	AB	12	30	DKBR	RK	NONE	120	-30	
112950	15800	AB	12	30	BR	SDRK	NONE	120	-20	
112950	15825	AB	8	20	DKBR	RK	NONE	120	-30	
112950	15850	AB	8	20	DKBR	CLRK	NONE	135	-30	
112950	15875	AB	8	20	DKBR	RK	NONE	135	-30	
112950	15900	B	8	20	BR	SD	NONE	135	-30	
112950	15925	AB	8	20	BR	RK	NONE	130	-35	
112950	15950	AB	8	20	BR	RK	NONE	140	-35	
112950	15975	AB	8	20	BR	RK	NONE	140	-35	
112950	16000	AB	10	25	BR	RK	NONE	150	-35	
113000	14700	AB	4	10	LTBR	CGR	ASMS	0	0	
113000	14725	B	3	8	GRBR	SDGR	ASMS	200	-7	
113000	14750	AB	5	13	YLBR	CGR	ASMS	0	0	metallic soil
113000	14775	B	5	13	GRBR	SDGR	ASMS	220	-9	
113000	14800	AB	6	15	GRBR	CGR	ASMS	210	-5	
113000	14825	B	5	13	BR	SDGR	ASMS	220	-5	
113000	14850	AB	6	15	BR	CGR	ASMS	200	-7	
113000	14875	NS		0						too much talus
113000	14900	B	4	10	DKBR	SDGR	ASMS	210	-9	
113000	14925	B	4	10	BR	SD	ASMS	210	-11	
113000	14950	NS		0						too much talus
113000	14975	B	4	10	ORGR	SDGR	ASMS	220	-12	
113000	15000	B	4	10	ORGR	GR	MS	210	-13	
113000	15025	B	4	10	BR	SDGR	AS	220	-21	

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1996 Soil Geochemical Data - Kona Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
113000	15050	NS		0						too much talus
113050	14700	AB	3	8	YLBE	CGR	MS	330	-3	metallic quality to soil
113050	14725	B	4	10	GRBR	SD	MS	250	-8	
113050	14750	AB	4	10	GRBR	CGR	MS	280	-6	
113050	14775	B	5	13	DKBR	SDGR	MS	280	-8	
113050	14800	AB	4	10	GRBR	CGR	MS	280	-7	
113050	14825	B	5	13	DKBR	SDGR	MS	240	-9	
113050	14850	B	7	18	DKBR	CGR	MS	230	-8	
113050	14875	B	6	15	DKBR	SDGR	MS	230	-7	
113050	14900	B	6	15	BR	SDGR	MS	210	-10	
113050	14925	B	5	13	DKBR	SDGR	MS	210	-11	
113050	14950	B	3	8	LTBR	SDGR	ASMS	230	-12	
113050	14975	B	5	13	BR	SDGR	ASMS	220	-13	
113050	15000	B	5	13	BR	SDGR	ASMS	200	-13	
113050	15025	B	4	10	GRBR	CGR	MS	220	-9	
113050	15050	AB	5	13	ORBR	CGR	MS	220	-10	
113100	14700	B	4	10	GRBR	SDGR	MS	260	-15	
113100	14725	B	4	10	GRBR	SDGR	MS	280	-8	metallic soil
113100	14750	B	2	5	LTBR	SDGR	MS	320	-10	metallic soil
113100	14775	AB	3	8	GRBR	CGR	MS	290	-10	
113100	14800	NS		0						too much talus
113100	14825	B	3	8	DKBR	SD	MS	270	-9	
113100	14850	AB	3	8	GRBR	CGR	MS	260	-8	
113100	14875	AB	3	8	GRBR	CGR	MS	270	-8	
113100	14900	AB	3	8	GRBR	CGR	MS	270	-6	
113100	14925	NS		0						too much talus
113100	14950	AB	3	8	GRBR	CGR	MS	250	-10	
113100	14975	B	2	5	DKBR	SD	MS	240	-5	
113100	15000	AB	3	8	GRBR	CGR	GRMS	?	?	

DUB SURVEY GRID

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
100500	15050	B	10	25	DKRDBR	CLSD	SPAB	270	-1	river 10 m west of sample site
100500	15100	B	10	25	DKRDBR	CLSD	SPAB	0	0	
100500	15150	AB	15	38	LTOR	STSD	SPAB	340	-1	
100500	15200	AB	10	25	DKBR	SD	SPAB	250	-1	
100600	15200	B	6	15	DKRDBR	CLSD	SPAB	170	0	
100600	15250	B	8	20	DKOR	SD	SPAB	50	-1	
100600	15300	B	8	20	DKOR	SD	SPAB	260	0	
100600	15350	B	8	20	RDBR	SD	SPAB	70	-5	
100600	15400	B	6	15	RDBR	SD	SPAB	0	0	
100600	15450	B	10	25	OR	SD	SPAB	70	-15	
100600	15500	B	12	30	DKOR	SD	SPAB	70	-5	
100600	15550	B	12	30	DKOR	SD	SPAB	30	-15	
100600	15600	B	15	38	DKOR	SD	SPAB	130	-3	
100600	15650	B	8	20	DKOR	SD	SPAB	140	-30	
100600	15700	B	4	10	GR	GR	SPAB	190	0	creek 20 m east
100600	15750	NS		0				120	-40	
100600	15800	B	10	25	DKOR	SD	SPAB	50	-35	
100600	15850	AB	15	38	LTOR	ST	SPAB	80	-50	very poor horizon development
100600	15900	B	12	30	LTOR	SD	SPAB	50	-20	
100600	15950	B	10	25	GR	SD	SPAB	110	0	
100600	16000	B	12	30	DKOR	CLSD	SPAB	30	-35	
100700	15200	B	12	30	ORBR	SDGR	PN	60	-15	
100700	15250	B	10	25	BR	SDGR	PN	60	-1	
100700	15300	B	4	10	ORBR	SDGR	PN	60	-6	
100700	15350	B	3	8	ORBR	SDGR	PN	240	-10	
100700	15400	B	3	8	ORBR	SDGR	PN	0	0	
100700	15450	AB	4	10	BR	SDGR	PN	140	-1	
100700	15500	AB	10	25	ORBR	SDGR	BL	240	-35	
100700	15550	B	8	20	ORBR	SDGR	BL	60	-35	
100700	15600	B	5	13	ORBR	SDGR	WL	60	-1	
100700	15650	AB	13	33	ORBR	SDGR	WL	140	-1	
100700	15700	AB	12	30	ORBR	SDGR	BL	200	-5	
100700	15750	B	4	10	BR	SD	BL	60	-15	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
100700	15800	B	8	20	ORBR	SDGR	BL	60	-45	
100700	15850	AB	6	15	ORBR	SDGR	BL	140	-35	
100700	15900	B	14	36	ORBR	SDGR	BL	250	-35	
100800	15000	B	8	20	OR	SD	SPAB	240	-1	river 25 m to west
100800	15050	B	6	15	RDBR	SD	SPAB	0	0	
100800	15100	B	8	20	BR	SD	SPAB	250	-2	
100800	15150	B	8	20	DKBR	CLSD	SPAB	240	0	
100800	15200	B	10	25	DKOR	CLSD	SPAB	0	0	baseline
100800	15250	B	8	20	DKOR	CLSD	SPAB	240	-15	
100800	15300	B	12	30	DKOR	CLSD	SPAB	240	0	
100800	15350	A	10	25	DKBR	ST	SPAB	240	0	poor sample
100800	15400	B	6	15	DKOR	CLSD	PNSPAB	300	0	
100800	15450	B	8	20	BR	CLSD	PNSPAB	310	-15	sampled 10 m west of station
100800	15500	B	6	15	GRBR	CLSD	PNSPAB	280	-15	a lot of quartz in hole
100800	15550	B	8	20	LTBR	CLSD	PNSPAB	90	-5	
100800	15600	B	10	25	LTORBR	CLSD	PNSPAB	250	-1	
100800	15650	B	10	25	GRBR	ST	PNSPAB	180	0	near old creek bed
100800	15700	B	8	20	GRBR	SD	PNSPAB	230	0	
100800	15750	B	10	25	LTBR	SD	PNSPAB	230	-35	
100800	15800	B	8	20	ORBR	SD	PNSPAB	190	0	
100900	15200	B	6	15	ORBR	SDGR	PN	220	-6	
100900	15250	B	8	20	ORBR	SDGR	PN	0	0	
100900	15300	B	7	18	ORBR	SDGR	PN	60	-5	
100900	15350	B	10	25	ORBR	SDGR	PN	170	-11	
100900	15400	B	4	10	ORBR	SDGR	PN	140	-1	
100900	15450	B	9	23	ORBR	CLSD	PNBL	140	-1	
100900	15500	B	9	23	ORBR	SDGR	BLSP	190	-20	
100900	15550	B	6	15	ORBR	SDGR	BLSP	200	-1	
100900	15600	B	6	15	ORBR	SDGR	BLSP	140	-2	
100900	15650	B	4	10	ORBR	SDGR	BLSP	180	-30	
100900	15700	B	5	13	ORBR	SDGR	BLSP	240	-40	
100900	15750	AB	10	25	BR	SDGR	BL	200	-15	poor sample, taken btwn large boulders
100900	15800	NS		0						

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
100900	15850	B	10	25	BR	CLSD	BL	200	-6	
100900	15900	NS		0						
100900	15950	NS		0						
100900	16000	B	12	30	ORBR	SDGR	BL	170	-15	
100900	16050	AB	13	33	ORBR	SDGR	BL	170	-40	
100900	16100	B	8	20	LTBR	SD	BL	170	-40	
100900	16150	B	7	18	ORBR	SDGR	BL	170	-40	
100900	16200	B	8	20	BR	SDGR	BL	170	-15	
101000	14900	B			BR	SD	SP	200	-5	
101000	14950	AB	3	8	BR	SD	ASSP	200	-1	20 m from the river
101000	14950	B			OR	GR	SP	200	-5	
101000	15000	B	6	15	ORBR	SDGR	ASSP	200	-1	
101000	15000	AB			BR	ST	SP	200	-5	
101000	15050	NS		0						on edge of pond
101000	15050	A			DKBR	ST	SP	190	0	
101000	15100	NS		0						on edge of pond
101000	15100	AB			GRGN	RK	SP	200	0	
101000	15150	B	7	18	ORBR	SDGR	ASSP	230	-5	
101000	15200	B	4	10	OR	SDGR	ASSP	130	-2	
101000	15200	B			ORBR	GR	SP	220	-2	old swamp
101000	15250	B			ORBR	GR	SP	220	-2	old swamp
101000	15300	B			ORBR	SD	SP	180	0	old swamp
101000	15350	B			DKBR	GR	SPPN	200	-5	
101000	15400	AB			LTBR	CGR	SPPN	200	-10	
101000	15450	B			LTBR	CGR	SPPN	210	-10	
101000	15500	B			DKBR	CGR	SPPN	220	-10	
101000	15550	B			DKBR	CGR	SP	220	-10	
101000	15600	B			DKBR	FGR	SP	200	-20	
101000	15650	B			DKBR	FGR	SP	270	-15	
101000	15700	NS						220	-15	spruce bog
101000	15750	AB			GNDKBR	STRK	SP	220	-15	
101000	15800	A			DKBR	ST	PN	220	-20	
101000	15850	NS						220	-15	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
101000	15900	A			DKBR	ST	PN	210	-5	2 feet deep, poor sample-old bog
101000	15950	B			OR	GR	SP	200	-15	
101000	16000	NS						190	-5	old bog- no soil within 2 feet
101000	16050	B			OR	FGR	SP	200	-10	
101000	16100	B			GN	RK	SP	200	-10	
101000	16150	B			OR	SD	SP	190	-10	
101000	16200	B			OR	GR	SP	180	-10	
101100	15200	B	10	25	RDBR	SD	ALSP	180	-2	
101100	15250	B	10	25	BR	SD	ALSP	180	0	
101100	15300	B	8	20	RDBR	SD	ALSP	270	-5	
101100	15350	B	10	25	DKBR	SD	ALSP	0	0	
101100	15400	B			BR	GR	SP	150	-2	
101100	15450	B			BR	CGR	SP	290	-20	
101100	15500	B			ORBR	CGR	SP	180	-15	
101100	15550	B			OR	CGR	SP	220	-20	a lot of quartz conglomerate
101100	15600	B			OR	GR	SP	200	-15	
101100	15650	B			GNGR	RK	SP	200	-15	
101100	15700	B			OR	GR	SP	220	-15	
101100	15750	AB			GR	STRK	SP	260	-20	
101100	15800	NS						210	-25	rock slide area, no soil
101100	15850	B			ORBR	CGR	SP	220	-20	
101100	15900	B			OR	CGR	SP	200	-20	
101100	15950	B			OR	CGR	SP	200	-20	30% quartz in hole
101100	16000	B			OR	CGR	SP	200	-25	30% quartz in hole
101100	16050	AB			GNDKBR	RK	SP	200	-25	poor sample-lots of boulders
101200	14750	AB	2	5	GR	SD	ASSP	160	-1	right on the river bed
101200	14800	AB	4	10	ORGR	SD	ASSP	220	-1	near the river
101200	14850	B	5	13	ORBR	SD	ASSP		0	in a little depression
101200	14900	B	7	18	ORBR	SDGR	AS	230	-1	
101200	14950	B	8	20	ORBR	SDGR	AS	230	-10	
101200	15000	B	6	15	ORBR	CGR	ASSP	320	-10	
101200	15050	NS		0						only boulders around
101200	15100	AB	8	20	GRBR	SDGR	ASSP	70	-12	above 2 little lakes

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
101200	15150	B	7	18	ORBR	SDGR	ASSP	160	-5	
101200	15200	B			OR	GR	BLSP	180	-5	baseline
101200	15250	B			OR	GR	BLSP	180	-5	
101200	15300	B			OR	SD	BLSP	120	-10	near dried up lake
101200	15350	B			OR	CSD	BLSP	190	-10	near dried up lake
101200	15400	B			OR	CGR	BL	210	-10	
101200	15450	B			LTBR	CGR	BL	180	-5	
101200	15500	NS						200	-5	old swamp, A horizon only
101200	15550	B			LTORBR	GR	PN	220	-20	sampled away from station
101200	15600	B			ORBR	GR	PN	230	-15	
101200	15650	B			ORBR	RK	PN	240	-15	
101200	15700	B			LTOR	GR	PN	240	-20	
101200	15750	B			LTOR	GR	PN	170	-15	near stream, large dip in topography
101200	15800	A			DKBR	ST	MS	240	-10	
101200	15850	AB			DKBR	SD	PN	220	-20	
101200	15900	B			LTBR	GR	PN	220	-25	
101200	15950	B			LTOR	GR	PN	240	-35	
101200	16000	B			LTOR	GR	SP	230	-20	
101200	16050	B			LTBR	GR	SP	230	-20	
101200	16100	B			LTBR	GR	SP	210	-35	
101200	16150	B			LTOR	GR	BL	210	-30	
101200	16200	B			LTOR	GR	BL	220	-20	
101300	15200	B	14	36	ORBR	SDGR	PN	340	-5	
101300	15250	B	6	15	ORBR	SD	PN	200	-3	
101300	15300	B	7	18	ORBR	SD	PN	0	0	
101300	15350	B	5	13	BR	SDGR	PN	200	-2	
101300	15400	B	5	13	BR	SDGR	PN	200	-1	
101300	15450	AB	7	18	ORBR	SDGR	BL	50	-6	
101300	15500	B	7	18	ORBR	SDGR	BL	270	-7	
101300	15550	NS		0						only boulders, no soil
101300	15600	NS		0						only boulders, no soil
101300	15650	AB	6	15	LTORBR	SDGR	BL	200	-20	
101300	15700	B	10	25	LTORBR	SDGR	BL	210	-20	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
101300	15750	B	10	25	LTORBR	SDGR	BL	200	-30	
101300	15800	NS		0						only boulders, no soil
101300	15850	B	8	20	LTORBR	SDGR	BL	240	-38	
101300	15900	B	7	18	LTORBR	SDGR	BL	200	-28	
101300	15950	B	8	20	LTORBR	SDGR	BL	160	-15	
101300	16000	B	8	20	LTORBR	SDGR	BL	160	-15	
101300	16050	B	5	13	LTORBR	SDGR	BL	210	-25	
101300	16100	B	6	15	LTORBR	SDGR	BL	210	-30	
101300	16150	B	6	15	LTORBR	SDGR	BL	210	-25	
101300	16200	B	8	20	ORBR	SDGR	BL	210	-25	
101400	14750	AB	6	15	GRBR	SD	AS	220	-1	20 m from river
101400	14800	AB	6	15	GRBR	SD	AS	240	-2	
101400	14850	NS		0						in middle of creek
101400	14900	B	6	15	ORBR	SD	ASSP	230	-7	
101400	14950	B	8	20	ORBR	SD	AS		0	in a big depression-underground water
101400	15000	B	8	20	ORBR	SDGR	ASSP	70	-1	
101400	15050	B	7	18	ORBR	SDGR	ASSP	80	-11	
101400	15100	AB	2	5	ORBR	FSD	ASSP	180	-9	at ridge of a large depression
101400	15150	B	8	20	ORBR	SDGR	ASSP	100	-7	
101400	15200	B			BR	GR	SP	250	-10	
101400	15250	B			OR	GR	SP	260	-10	
101400	15300	B			OR	SD	SP	250	-10	
101400	15350	B			OR	GR	SP	240	-10	
101400	15450	B	15	38	RDBR	SD	ALSP	310	-10	
101400	15500	B	10	25	RDBR	SD	ALSP	300	-30	
101400	15550	B	12	30	DKGRBR	SD	ALSP	260	-3	taken about 5 m west of station
101400	15600	B	6	15	DKGRBR	SD	ALSP	260	0	
101400	15650	B	15	38	RDBR	CLRK	PNSPAB	260	-15	
101400	15700	NS		0			PNSPAB	260	-30	
101400	15750	B	12	30	DKBR	CLSD	PNSPAB	260	-25	
101400	15800	B	10	25	ORBR	STSD	PNSPAB	240	-15	
101400	15850	AB	12	30	DKBR	STSD	PNSPAB	240	-15	
101400	15900	B	12	30	DKOR	CLSD	PNSPAB	240	-10	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
101400	15950	B	10	25	DKOR	CLSD	PNSPAB	240	-8	
101400	16000	B	15	38	OR	SD	PNSPAB	180	-2	
101400	16050	B	15	38	BR	SD	PNSPAB	270	-30	
101400	16100	B	12	30	RDBR	CLSD	PNSPAB	230	-10	
101400	16150	B	8	20	RDBR	SD	PNSPAB	230	-25	
101400	16200	B	12	30	LTBR	SD	PNSPAB	240	-25	
101500	15200	B	7	18	ORBR	GR	ASPN	240	-7	
101500	15250	B	9	23	ORBR	SDGR	ASPN	60	-2	
101500	15300	B	4	10	ORBR	SDGR	ASPN	230	-10	
101500	15350	B	4	10	ORBR	SDGR	ASPN	260	-3	
101500	15400	B	8	20	ORBR	SDGR	ASPN	140	-10	
101500	15450	B	6	15	ORBR	SDGR	ASPN	220	-10	
101500	15500	NS		0						only boulders, no soil
101500	15550	B	8	20	ORBR	SDGR	ASPN	220	-7	
101500	15600	B	10	25	ORBR	SDGR	BL	220	-3	
101500	15650	AB	10	25	ORBR	SDGR	BL	210	-10	
101500	15700	B	8	20	ORBR	SDGR	BL	210	-10	
101500	15750	AB	10	25	LTBR	SDGR	BL	210	-10	
101500	15800	AB	8	20	LTBR	SDGR	BL	230	-5	
101500	15850	B	10	25	LTBR	SDGR	BL	230	-25	
101500	15900	B	7	18	LTBR	SDGR	BL	220	-5	
101500	15950	B	9	23	LTORBR	SDGR	BL	230	-20	
101500	16000	B	14	36	LTORBR	SDGR	BL	220	-30	
101500	16050	NS		0						only boulders, no soil
101500	16100	B	6	15	ORBR	SDGR	BL	210	-35	
101500	16150	B	8	20	ORBR	SDGR	BL	190	-20	
101500	16200	AB	13	33	ORBR	SDGR	BL	190	-35	
101600	14700	B	5	13	ORBR	SD	AS	200	-1	
101600	14750	B	6	15	ORBR	SDGR	ASSP		0	
101600	14800	B	7	18	ORBR	SDGR	ASSP	130	-1	
101600	14850	NS		0						on boulders around
101600	14900	B	8	20	ORGR	SDGR	ASSP	70	-2	
101600	14950	B	6	15	ORGR	SDGR	ASSP	170	-1	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
101600	15000	NS		0						in middle of a creek
101600	15050	AB	3	8	GR	SD	AS	340	-1	near a creek
101600	15100	NS		0						water drainage area-only mud
101600	15150	B	5	13	ORBR	SDGR	ASSP	240	-15	
101600	15200	B	8	20	LTBR	SDGR	ASSP	110	-12	
101600	15250	B	6	15	RDBR	SD	SPAB	50	-15	
101600	15300	B	6	15	RDBR	SD	SPAB	20	-15	
101600	15350	B	8	20	BR	RK	SPAB	30	-5	
101600	15400	B	6	15	DKBR	SD	PNSPAB	60	-5	
101600	15450	B	12	30	BR	SD	PNSPAB	60	-25	
101600	15500	B	12	30	BR	SD	PNSPAB	60	-35	
101600	15550	AB	15	38	DKGR	SD	PNSPAB	60	0	
101600	15600	AB	10	25	DKGR	SD	PNSPAB	60	-40	
101600	15650	B	10	25	DKOR	CLSD	PNSPAB	60	-40	
101600	15700	B	8	20	OR	CLSD	PNSPAB	70	-25	
101600	15750	B	8	20	DKOR	CLSD	PNSPAB	70	-10	
101600	15800	B	8	20	DKBR	SD	PNSPAB	70	-35	
101600	15850	B	8	20	DKOR	SD	PNSPAB	70	-20	
101600	15900	B	12	30	ORGR	SD	PNSPAB	70	-20	
101600	15950	B	12	30	DKOR	CLSD	PNSPAB	30	-20	
101600	16000	NS		0				30	-25	only boulders around
101600	16050	AB	12	30	ORBR	SD	PNSPAB	50	-35	
101600	16100	AB	15	38	DKORBR	SD	PNSPAB	40	-15	
101600	16150	A	24	61	DKBR	ST	PNSPAB	60	-10	very poor sample
101600	16200	NS		0				30	-10	slide area, only boulders around
101700	15200	B			LTBR	GR	SP	200	-2	
101700	15250	B			LTBR	STSD	SP	200	-2	near stream
101700	15300	B			LTBR	SD	SP	200	-2	
101700	15350	B			ORBR	RK	SP	190	-10	
101700	15400	B			ORBR	CGR	SPBL	190	-15	
101700	15450	B			ORBR	CGR	SPBL	220	-20	
101700	15500	AB			DKBR	RK	SPBL	220	-20	
101700	15550	B			BR	STSD	SPBL	220	-1	flat-silted area

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
101700	15600	AB			DKBR	ST	SPBL	220	-30	very rocky tallus
101700	15650	B			LTBR	SD	SPBL	220	-25	
101700	15700	B			OR	RK	SPBL	220	-25	
101700	15750	B			OR	RK	PN	210	-25	
101700	15800	B			OR	RK	PN	220	-25	
101700	15850	B			LTBR	RK	PN	230	-25	
101700	15900	B			OR	RK	PN	220	-30	
101700	15950	AB			DKBR	ST	PN	220	-35	
101700	16000	AB			DKBR	ST	PN	220	-35	
101700	16050	AB			DKBR	STRK	PN	210	-35	
101700	16100	NS						200	-35	
101700	16150	AB			DKBR	STRK	PN	190	-40	very steep, little soil
101700	16200	AB			DKBR	STRK	PN	180	-25	
101800	14800	NS		0						in the river
101800	14850	B	5	13	ORBR	SDGR	ASSP	220	-1	50 m from the river
101800	14900	B	6	15	ORBR	SD	ASSP		0	
101800	14950	B	5	13	LTBR	SD	ASSP		0	
101800	15000	B	5	13	ORBR	SD	ASSP	310	-4	
101800	15050	B	9	23	ORBR	SDGR	ASSP	240	-3	
101800	15100	B	6	15	LTBR	CGR	ASSP	250	-1	
101800	15200	B	6	15	BR	SD	SPAL	0	0	
101800	15250	B	10	25	OR	SDGR	SPAL	0	0	
101800	15300	NS		0				240		
101800	15350	B	10	25	GRBR	SD	SPALAB	240	-1	
101800	15400	B	15	38	LTBR	SD	SPALAB	240	0	

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1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
101800	15450	A	15	38	DKBR	CL	SPALAB	240	-5	
101800	15500	AB	8	20	GR	CL	SPALAB	240	-15	
101800	15550	B	6	15	DKGRBR	SD	SPALAB	240	-5	
101800	15600	B	10	25	GRBR	SD	SPALAB	240	-30	
101800	15650	AB	12	30	GRBR	SD	SPALAB	240	-25	
101800	15700	B	12	30	GRBR	GR	SPALAB	240	-20	
101800	15750	B	10	25	ORBR	SD	SPALAB	240	-20	
101800	15800	B	12	30	LTBR	SD	SPALAB	240	-15	
101800	15850	B	10	25	ORBR	CLSD	SPALAB	240	-35	
101800	15900	B	12	30	RDBR	CLSD	SPALAB	240	-25	
101800	15950	AB	15	38	GRBR	STSD	SPALAB	240	-40	
101800	16000	AB	10	25	RDBR	STSD	SPALAB	240	-45	
101800	16050	NS		0				240	-55	only boulders around
101800	16100	NS		0				240	-50	only boulders around
101800	16150	AB	12	30	BR	ST	SPALAB	240	-45	
101800	16200	B	12	30	BR	SDGR	SPALAB	240	-45	
101900	15200	B	3	8	ORBR	SDGR	BL	200	-2	
101900	15250	B	6	15	ORBR	SDGR	BL	0		
101900	15300	B	3	8	ORBR	SDGR	BL	240	-2	
101900	15350	B	2	5	BR	SDGR	BL	240	-2	beside creek
101900	15400	B	2	5	BR	SDGR	BL	240	-10	
101900	15450	B	12	30	BR	SDGR	BL	230	-20	
101900	15500	AB	12	30	BR	CLSD	BL	230	-15	possible poor sample,no a lot of B soil
101900	15550	AB	7	18	BR	CLSD	BL	230	-20	
101900	15600	B	7	18	BR	CLSD	BL	220	-10	
101900	15650	B	8	20	BR	CLSD	BL	220	-20	
101900	15700	B	6	15	LTBR	SD	BL	240	-15	
101900	15750	B	6	15	ORBR	SDGR	BL	240	-15	
101900	15800	B	6	15	ORBR	SDGR	BL	240	-15	
101900	15850	B	7	18	ORBR	SDGR	BL	240	-15	
101900	15900	B	12	30	ORBR	SDGR	BL	240	-35	
101900	15950	B	8	20	ORBR	SDGR	BL	240	-37	
101900	16000	B	15	38	ORBR	SDGR	BL	240	-37	

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1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
101900	16050	B	14	36	ORBR	SDGR	BL	240	-35	
101900	16100	NS		0						cliff--no soil
101900	16150	B	8	20	ORBR	SDGR	BL	240	-35	
101900	16200	NS		0						cliff--no soil
102000	14700	NS		0						in a bog near the river
102000	14750	AB	10	25	GR	SD	ASSP	100	-1	
102000	14800	AB	20	51	GR	CLSD	ASSP	160	-1	near old stream bed
102000	14850	B	7	18	ORBR	SDGR	ASSP	250	-2	
102000	14900	B	7	18	ORBR	SDGR	ASSP		0	
102000	14950	B	5	13	BR	SDGR	AS		0	
102000	15000	B	5	13	BR	SDGR	AS		0	
102000	15050	B	4	10	OR	SDGR	AS	250	-2	
102000	15100	B	4	10	ORBR	GR	AS		0	
102000	15150	B	4	10	ORBR	SDGR	AS		0	
102000	15200	B	10	25	DKBR	GR	PNAB	20	-3	
102000	15250	B	10	25	RDBR	SD	PNAB	240	-5	lake 20 m to south
102000	15300	B	12	30	BR	SD	PNAB	100	-10	
102000	15350	B	15	38	RDBR	SD	PNAB	110	-10	creek 3 m wide @ 15375 E
102000	15400	AB	24	61	DKBR	STSD	PNSPAB	250	-20	
102000	15450	AB	15	38	DKBR	SD	PNSPAB	250	-30	
102000	15500	AB	15	38	BR	STSD	PNSPAB	250	-10	
102000	15550	AB	12	30	DKBR	STSD	PNSPAB	250	-5	
102000	15600	AB	15	38	BR	SD	PNSPAB	250	-30	
102000	15650	B	15	38	BR	SD	PNSPAB	240	-30	
102000	15700	B	10	25	BR	SD	PNSPAB	240	-35	
102000	15750	B	10	25	DKBR	SD	PNSPAB	240	-15	
102000	15800	AB	20	51	LTBR	ST	PNSPAB	240	-25	
102000	15850	B	15	38	BR	SD	PNSP	240	-20	
102000	15900	B	10	25	BR	SD	PNSP	240	-20	
102000	15950	AB	12	30	RDBR	SD	PNSP	240	-40	
102000	16000	B	10	25	BR	SD	PNSP	250	-45	
102000	16050	B	8	20	RDBR	SD	PNSP	250	-45	
102000	16100	B	12	30	RDBR	SD	PNSP	250	-50	

COLUMBIA GOLD MINES LTD.

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1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
102000	16150	AB	12	30	DKBR	STSD	PNSP	250	-50	
102000	16200	B	20	51	DKBR	ST	PNSP	250	-50	
102100	15200	B	6	15	OR	SD	PNAS	60	-5	
102100	15250	B	8	20	GRBR	SDGR	PNAS	230	-3	
102100	15300	B	5	13	ORBR	SDGR	PNAS	220	-10	
102100	15350	B	5	13	ORBR	SDGR	PNAS	60	-26	
102100	15400	AB	6	15	BR	CLSD	WL	240	-2	poor sample
102100	15450	NS		0						
102100	15500	NS		0						
102100	15550	B	6	15	OR	SDGR	BL	210	-8	
102100	15600	B	9	23	RO	SDGR	BL	230	-25	
102100	15650	AB	8	20	BR	CLSD	BL	250	-35	
102100	15700	B	12	30	ORBR	SDGR	BL	250	-33	
102100	15750	B	5	13	ORBR	SDGR	BL	250	-25	
102100	15800	B	6	15	ORBR	SDGR	BL	230	-25	
102100	15850	B	7	18	ORBR	SDGR	BL	220	-10	
102100	15900	B	6	15	ORBR	SDGR	BL	240	-10	
102100	15950	B	10	25	ORBR	SDGR	BL	240	-20	
102100	16000	B	8	20	ORBR	SDGR	BL	240	-30	
102100	16050	NS		0				240	-35	not enough B layer soil to sample
102100	16100	B	12	30	ORBR	SDGR	BL			
102100	16150	AB	16	41	DKGRBR	SDGR	BL	240	-37	
102100	16200	B	8	20	ORBR	SDGR	BL	240	-35	
102200	14650	B	4	10	GR	SD	ASSP	0		bog like area
102200	14700	B	6	15	GR	SD	ASSP	160	-1	near little creek
102200	14750	AB	12	30	GR	CGR	ASSP	220	-2	
102200	14800	B	4	10	ORBR	SDGR	ASSP	220	-2	
102200	14850	B	4	10	BR	SDGR	ASSP	0		
102200	14900	B	4	10	ORBR	SDGR	ASSP	50	-1	very thin layer of soil
102200	14950	B	4	10	ORBR	SDGR	ASSP	220	-1	
102200	15000	B	8	20	GRBR	CSD	ASSP	50	-1	
102200	15050	B	10	25	GRBR	CGR	AS	0		in a clearing
102200	15100	B	6	15	GRBR	SDGR	AS	240	-2	near a clearing

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1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
102200	15150	B	12	30	ORBR	SDGR	ASSP	250	-8	
102200	15200	B	6	15	ORBR	SDGR	ASSP	210	-5	
102200	15250	B	6	15	ORGR	SD	AS	230	-4	
102200	15300	B	4	10	ORGR	SDGR	AS	230	-3	
102200	15350	AB	2	5	GR	SD	AS	140	-2	in river plain
102200	15400	B	6	15	RDGR	SD	ASSP	210	-18	near river
102200	15450	AB	10	25	GR	CGR	SP	260	-20	
102200	15500	B	12	30	ORGR	CGR	ASSP	230	-22	
102200	15550	BS		0						rock too coarse, talus-like
102200	15600	AB	10	25	OR	CGR	SP	220	-28	
102200	15650	AB	30	76	DKRDBR	CLSD	SP	240	-10	
102200	15700	B	8	20	BR	SD	ASSP	210	-18	
102200	15750	B	6	15	ORGR	SD	SP	250	-14	
102200	15800	B	6	15	ORBR	SD	SP	230	-15	
102200	15850	B	8	20	ORGR	SDGR	SP	230	-10	
102200	15900	B	10	25	ORGR	SDGR	SP	240	-15	
102200	15950	AB	10	25	GRBR	SDGR	ASSP	230	-32	
102200	16000	NS		0						rock slide deposit
102200	16050	AB	14	36	GRBR	CGR	SP	240	-32	
102200	16100	NS		0						top of cliff, rocks only
102200	16150	B	8	20	ORBR	SDGR	AS	230	-30	
102200	16200	B	10	25	ORBR	SDGR	ASSP	260	-35	
102300	15200	B	4	10	ORGR	SDGR	ASPN	190	-5	
102300	15250	AB	4	10	GRBR	SDGR	AS	190	-3	
102300	15300	B	3	8	ORBR	SDGR	ALPN	10	-30	
102300	15350	B	2	5	LTBR	SD	ASGR		0	
102300	15400	B	24	61	GR	FGR	ALPN	210	-2	
102300	15450	B	18	46	ORBR	GR	PNSP	210	-12	
102300	15500	B	8	20	LTBR	SDGR	PNSP	210	-22	
102300	15550	B	4	10	ORBR	GR	PNSP	280	-10	
102300	15600	B	8	20	ORBR	GR	PNSP	310	-13	
102300	15650	B	5	13	DKORBR	GR	PNSP	310	-10	
102300	15700	B	8	20	ORBR	SDGR	PNSP	310	-7	

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1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
102300	15750	B	3	8	OR	SDGR	PNSP	310	-20	oxidized rock in sample hole
102300	15800	B	4	10	ORBR	SDGR	PNSP	310	-15	
102300	15850	B	12	30	LTBR	SDGR	PNSP	310	-4	
102300	15900	AB	13	33	DKBR	SDGR	PN	310	-3	
102300	15950	B	6	15	BR	SDGR	PNSP	310	-22	
102300	16000	B	6	15	LTBR	SDGR	PNSP	310	-10	
102300	16050	B	4	10	ORBR	SDGR	PNSP	290	-20	
102300	16100	B	5	13	ORBR	SDGR	PNSP	210	-5	
102300	16150	B	3	8	ORBR	SDGR	PNSP	300	-12	
102300	16200	B	6	15	ORBR	GR	PNSP	300	-7	
102400	14650	AB	6	15	ORGR	SDGR	ASPN	50	-2	
102400	14700	B	6	15	ORGR	SDGR	AS	50	-1	
102400	14750	B	9	23	GRBR	GR	AS	50	-1	
102400	14800	B	5	13	ORGR	SDGR	ASPN	50	-1	
102400	14850	NS		0						
102400	14900	B	2	5	ORGR	SDGR	AS		0	
102400	14950	B	6	15	ORGR	GR	SP		0	
102400	15000	B	5	13	ORGR	GR	ASPN		0	
102400	15050	B	4	10	ORGR	SDGR	SPPN	230	-6	
102400	15100	B	4	10	LTBR	SDGR	ASPN	240	-2	
102400	15150	B	5	13	ORGR	SDGR	ASSP	240	-3	
102400	15200	B	4	10	ORGR	SDGR	SPPN	230	-3	
102400	15250	B	4	10	ORBR	SD	ASSP	230	-3	top of ridge
102400	15300	AB	2	5	GR	SD	AS	160	-1	in river plain
102400	15350	AB	4	10	GR	SD	AS	160	-1	very near river
102400	15400	NS		0						only ash on top of boulders
102400	15450	B	7	18	RD	CLSD	SP	160	-2	in old creek bed
102400	15500	B	8	20	RDBR	SDGR	ASSP	220	-17	
102400	15550	B	6	15	LTBR	SD	SP	190	-14	
102400	15600	AB	5	13	DKGRBR	ST	AL	240	-8	between 2 braids in a creek
102400	15650	B	7	18	LTBR	SDGR	ALSP	240	-9	creek 1.5 meters away
102400	15700	B	7	18	GR	SDGR	SP	250	-8	1 m from creek
102400	15750	B	5	13	LTBR	SD	SP	200	-15	4 m from creek

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
102400	15800	B	6	15	ORBR	SDGR	ASSP	190	-35	
102400	15850	B	8	20	LTBR	SDGR	ASSPAL	200	-17	5 m from creek
102400	15900	B	12	30	ORBR	SDGR	SP	270	-20	
102400	15950	B	6	15	ORBR	SD	SP	280	-35	
102400	16000	B	8	20	ORBR	SD	SP	330	-35	
102400	16050	B	8	20	ORBR	SDGR	SP	320	-35	in a rock slide deposit
102400	16100	B	12	30	DKGRBR	SD	SP	330	-45	
102400	16150	AB	10	25	DKGRBR	SDGR	SPAL	300	-30	
102400	16200	AB	16	41	DKGRBR	SD	SPAL	280	-25	ravine and creek 20 m south
102500	14650	B	6	15	BR	CLSD	SPPNAB	0	0	river at 14625 E
102500	14700	B	10	25	OR	SD	SPPNAB	230	0	
102500	14750	B	10	25	RDBR	SDGR	SPPNAB	0	0	
102500	14800	B	10	25	DKBR	SDGR	SPPNAB	250	-2	
102500	14850	B	8	20	RDBR	SD	SPPNAB	240	0	
102500	14900	B	8	20	RDBR	SDGR	SPPNAB	240	0	
102500	14950	B	10	25	RDBR	SDGR	SPPNAB	240	0	
102500	15000	B	15	38	DKBR	SDGR	SPPNAB	250	0	
102500	15050	B	8	20	ORGRBR	SD	SPPNAB	0	0	
102500	15100	B	10	25	BR	SD	SPPNAB	0	0	
102500	15150	B	12	30	RDBR	SD	SPPNAB	250	-5	
102500	15200	B	8	20	RDBR	SD	SPPNAB	250	-5	
102500	15250	B	4	10	GNGR	SD	AS	70	-20	just above river
102500	15300	AB	3	8	GR	SD	AS	160	-1	on river plain
102500	15350	B	10	25	DKBR	SDRK	AS	230	-20	at base of steep hill
102500	15400	B	10	25	ORBR	SDGR	PNSP	300	-22	
102500	15450	B	7	18	ORBR	SDGR	PNSP	210	-19	
102500	15500	B	6	15	ORBR	CGR	PNSP		0	poor sample-lots of rocks
102500	15550	B	7	18	ORBR	CGR	PNSP	210	-10	
102500	15600	B	4	10	ORBR	GR	PNSP	260	-10	
102500	15650	B	5	13	ORBR	GR	PNSP	240	-10	
102500	15700	B	6	15	ORBR	SDRK	PNSP	240	-10	
102500	15750	NS		0						only boulders around
102500	15800	B	4	10	ORBR	SDGR	PNSP	240	-12	

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1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
102500	15850	B	4	10	ORBR	SDRK	PNSP	240	-3	
102500	15900	B	8	20	OR	SDGR	PNSP	110	-30	
102500	15950	NS		0						too many dead trees to get through organ.
102500	16000	NS		0						too many dead trees to get through organ.
102500	16050	B	8	20	ORBR	SDGR	PNSP	110	-35	taken 20 ft from stake
102500	16100	NS		0						on a cliff
102500	16150	B	5	13	ORBR	SDGR	AS	180	-65	
102500	16200	NS		0						on a cliff
102600	14700	B	4	10	LTBR	SDRK	SPAS	190	-1	rocky
102600	14750	B	6	15	BR	CGR	SPAS	20	-3	more rocks
102600	14800	B	4	10	ORBR	CGR	AS	180	-4	lots of rocks, 3-6cm, in soil
102600	14850	B	4	10	ORBR	SDRK	SPAS	140	-5	beside a bog
102600	14900	B	4	10	ORBR	CGR	AS	170	-2	lots of rocks; few trees
102600	14950	B	1	3	BR	SD	SPGR	170	-2	very rocky, poor sample
102600	15000	NS								moss on boulders
102600	15050	NS								moss on boulders
102600	15100	B	6	15	ORBR	CGR	SPAS	200	-8	very rocky
102600	15150	B	8	20	LTBR	SDGR	SPAS	180	-3	rocky; few trees
102600	15200	B	6	15	LTBR	SDGR	SPAS	220	-8	thin B horizon; some ash in soil
102600	15250	B	4	10	ORBR	SD	SPAS	100	-29	just above marsh
102600	15300	AB	3	8	GRBR	SD	AB	150	-2	near river
102600	15350	AB	24	61	BLGR	SD	SPAS	220	-15	big rocks; very organic
102600	15400	AB	16	41	BLBR	SDRK	SPAS	220	-23	too much shale for good sample
102600	15450	AB	2	5	BLGR	SD	PNSP	220	-25	humus thick;lots of rocks
102600	15500	B	14	36	BR	CGR	SPAL	230	-20	small rocks
102600	15550	B	6	15	ORBR	CGR	SPPN	230	-18	boulders in soil
102600	15600	B	10	25	LTBR	CGR	SPAS	230	-19	lots of small angular rocks
102600	15650	B	8	20	GR	SD	SPAL	230	-32	very dense forest
102600	15700	B	4	10	ORBR	CSD	PNSP	210	-16	rocks
102600	15750	B	6	15	GROR	CGR	SPAS	220	-17	trees thin out again
102600	15800	B	5	13	ORBR	SDGR	SPAS	220	-15	
102600	15850	B	6	15	ORBR	SDGR	PNSP	220	-17	rocks
102600	15900	B	4	10	ORBR	SDRK	PNSP	210	-19	small rocks

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1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
102600	15950	B	8	20	BR	SDGR	PNSP	220	-25	above a stream bed
102600	16000	B	6	15	ORBR	RKSD	SPAS	220	-23	soil beneath layer of big rocks
102600	16050	B	8	20	ORBR	RKSD	SP	220	-24	ash mixed in with sample
102600	16100	B	4	10	ORBR	RKSD	SP	200	-28	thin B horizon on solid rock
102600	16150	NS								rocks
102600	16200	NS								too many rocks
102700	14650	B	2	5	TN	SD	GR	290	-1	beside river
102700	14700	NS								bog
102700	14750	B	4	10	ORTN	SD	AL	290	-2	top of hill
102700	14800	B	3	8	ORBR	SDGR	PNAL	160	-2	
102700	14850	NS								bog
102700	14900	NS								bog
102700	14950	B	8	20	ORBR	SDGR	ASSP	170	-5	few trees, bright yellow moss
102700	15000	B	8	20	BR	SDGR	ASSP	190	-8	large rocks, 10-20cm, in B horizon
102700	15050	B	5	13	ORBR	SDGR	ASSP	200	-9	
102700	15100	B	4	10	GRBR	SDGR	AS	170	-9	in a small clearing
102700	15150	B	5	13	GRBR	CGR	ASSP	210	-5	lots of small rock
102700	15200	B	5	13	GRBR	SDGR	ASPN	240	-5	
102700	15250	B	4	10	ORBR	SDGR	AS	250	-3	
102700	15300	B	6	15	GR	CGR	AS	110	-1	near river
102700	15350	AB	10	25	DKBR	SD	AS	230	-12	near river
102700	15400	AB	8	20	GRBR	SDGR	ASSP	230	-14	
102700	15450	B	10	25	GR	SDGR	ASSP	240	-14	
102700	15500	B	10	25	LTBR	SDGR	ASSP	260	-18	
102700	15550	STAKE DOESN'T EXIS								
102700	15600	AB	14	36	GR	CGR	ASSP	230	-15	possible bad sample-very coarse gravel
102700	15650	NS		0						
102700	15700	NS		0						
102700	15750	AB	12	30	DKBR	SD	ASSP	240	-12	
102700	15800	B	24	61	DKBR	SD	ASSP	260	-8	
102700	15850	B	8	20	LTBR	SDGR	ASSP	240	-15	
102700	15900	AB	24	61	DKBR	SD	ASSP	220	-18	
102700	15950	B	10	25	ORBR	SDGR	ASSP	250	-5	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
102700	16000	NS		0						soil layer too thin on boulders
102700	16050	AB	18	46	GRBR	SDRK	ASSP	240	-20	
102700	16100	AB	12	30	GRBR	SDGR	ASSP	230	-25	
102700	16150	B	7	18	GRBR	SDGR	ASSP	240	-28	
102700	16200	B	5	13	ORBR	SDGR	ASSP	260	-35	
102800	14500	NS		0						on rocks by the river
102800	14550	B	3	8	TN	SD	GR	200	-1	beside river
102800	14600	B	4	10	TN	SD	GR	210	-2	very fine sand followed by CGR
102800	14650	B	4	10	TN	SD	GR	350	-1	boggy, 2m sw of stake
102800	14700	B	6	15	ORTN	SDGR	ALPN	250	-18	2m from top of steep hill
102800	14750	B	8	20	OR	SDGR	ALBLPN	180	-3	sample 2m ne of stake
102800	14800	AB	7	18	DKORTN	SDGR	AL	110	-2	blck humus from 3-5in under moss
102800	14850	B	6	15	DKTN	SDGR	SPPNAL	130	-5	
102800	14900	B	2	5	ORBR	SD	PNAL	190	-7	rocks
102800	14950	B	7	18	ORBR	SD	SPAL	100	-4	6 inches of ash
102800	15000	B	7	18	GRTN	GR	SPPNAL	200	-3	large boulders; poor sample
102800	15050	B	3	8	ORB	SDGR	SPPNAL	170	-7	good sample
102800	15100	AB	2	5	TN	GR	PNAL	280	-3	no ash
102800	15150	B	6	15	ORBR	GR	SPPNAL	240	-5	
102800	15200	B	5	13	ORBR	SD	SPPNAL	150	-12	
102800	15250	B	4	10	ORBR	SD	AS	240	-5	
102800	15300	B	4	10	ORBR	SDGR	ASSP	80	-28	near river
102800	15350	B	7	18	GNGR	STGR	ASSP	200	-35	near river
102800	15400	B	3	8	ORBR	SDGR	ASPN	200	-30	
102800	15450	B	4	10	OR	SDGR	ASSPPN	200	-3	
102800	15500	B	8	20	LTOR	SDGR	SPPN	260	-20	
102800	15550	AB	24	61	DKGR	SDGR	ASSP	260	-2	
102800	15600	AB	15	38	DKBR	SDGR	ASSP	260	-12	
102800	15650	B	7	18	LTORBR	SDGR	SP	260	-6	
102800	15700	B	5	13	ORBR	SDGR	SP	260	-7	
102800	15750	B	7	18	ORBR	GR	SP	270	-3	
102800	15800	B	6	15	OR	SDGR	SPPN	330	-2	
102800	15850	B	5	13	ORBR	SDGR	SPPN	240	-5	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
102800	15900	B	8	20	LTBR	SDGR	SPPN	240	-10	
102800	15950	NS		0						only moss on boulders
102800	16000	AB	18	46	LTBR	SDGR	SPPN	250	-15	
102800	16050	B	6	15	LTBR	SDGR	SPPN	220	-21	
102800	16100	B	24	61	LTBR	SDGR	SP	270	-19	
102800	16150	B	6	15	LTBR	SDGR	SP	270	-19	
102800	16200	B	4	10	LTBR	SDGR	SP	300	-25	
102900	14416	B	6	15	TN	SD	SP	230	-5	beside river
102900	14450	B	3	8	ORTN	SD	ALPN	190	-1	
102900	14500	B	3	8	ORTN	SD	ALPN	190	-1	good sample
102900	14550	AB	4	10	ORTN	GR	PNAL	190	-2	poor sample
102900	14600	B	4	10	ORTN	SDGR	AL	230	-1	2m sw of stake
102900	14650	B	4	10	TN	CLGR	PNSPBL	200	-8	
102900	14700	B	4	10	ORTN	SD	PNALBL	210	-24	top of hill
102900	14750	B	6	15	OR	SD	PNALBL	220	-3	hole 2m sw of stake
102900	14800	B	4	10	DKOR	SD	AL	100	-1	
102900	14850	B	6	15	ORTN	SDGR	AL	160	-8	3inches of ash
102900	14900	B	6	15	ORBR	SD	BLAL	180	-8	
102900	14950	B	6	15	ORBR	SDGR	AL	110	-1	sample 2m sw of stake
102900	15000	AB	8	20	ORBR	SDGR	PNSPAL	200	-1	rocky
102900	15050	B	3	8	ORTN	SDGR	PNSPAL	200	-4	good sample
102900	15100	B	9	23	ORBR	SDGR	BLALPN	200	-7	hole 2m sw of stake
102900	15150	B	7	18	BR	CSDGR	BLALPN	170	-10	
102900	15200	B	7	18	ORTN	SDGR	PNBLAL	200	-10	
102900	15250	B	10	25	ORBR	CLSD	SPPNAB	240	-5	
102900	15300	B	12	30	GRBR	CLSD	SPPNAB	60	-45	stream 4m wide @ 15325 E
102900	15350	B	10	25	DKBR	SD	SPPNAB	220	-10	
102900	15400	AB	15	38	BR	SD	SPPNAB	260	-40	
102900	15450	AB	15	38	ORBR	SD	SPPNAB	260	-20	
102900	15500	AB	15	38	RDBR	CSD	SPPNAB	260	-25	
102900	15550	NS		0			SPPNAB	260	-35	only boulders--no soil
102900	15600	AB	15	38	RDBR	CSD	SPPNAB	260	-15	
102900	15650	B	12	30	RDBR	SD	SPPNAB	270	-5	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
102900	15700	A	12	30	GRBR	RK	SPPNAB	250	-15	
102900	15750	B	10	25	BR	CLSD	SPPNAB	250	-10	
102900	15800	B	12	30	OR	CLSD	SPPNAB	250	-5	
102900	15850	B	10	25	BR	CLSD	SPPNAB	250	-20	
102900	15900	B	8	20	BR	SD	SPPNAB	250	-15	
102900	15950	B	8	20	BR	SD	SPPNAB	250	-5	
102900	16000	B	12	30	DKBRGR	SD	SPPNAB	260	-15	
102900	16050	AB	12	30	DKBR	SD	SPPNAB	260	-5	
102900	16100	B	7	18	DKRDBR	SD	SPPNAB	260	-15	
102900	16150	B	10	25	BR	SD	SPPNAB	250	-10	
102900	16200	B	8	20	BR	SDRK	SPPNAB	260	-15	
103000	14400	B	5	13	LTBR	SD	ASSP	0	0	right near bid river
103000	14450	B	4	10	ORBR	SDGR	SP	130	-1	good sample
103000	14500	B	10	25	BR	CGR	AS	140	-1	very rocky; poor sample; ash in sam.
103000	14550	NS		0						too many roots; 2ft of humus
103000	14600	B	6	15	GRBR	GRCL	PN	220	-23	
103000	14650	AB	6	15	GRBR	SDCL	AS	10	-4	layer of clay/dirt /clay/moss
103000	14700	B	6	15	ORBR	SDCL	AS	300	-3	clay mixed in with dirt
103000	14800	B	5	13	OR	SDGR	PNSPAL	310	-2	edge of bog
103000	14850	B	5	13	OR	SDGR	PNSPAL	40	-7	good sample
103000	14900	B	8	20	OR	SDGR	AL	320	-8	
103000	14950	B	7	18	DKORBR	SDGR	AL	0	-11	good sample
103000	15000	B	6	15	ORBR	SDGR	ALPNSP	320	-7	large boulders
103000	15050	B	6	15	ORBR	SDGR	PNSP	90	-5	good sample; opposite depression
103000	15100	B	7	18	DKORBR	SDCL	ALPN	230	-1	bottom of hill in depression
103000	15150	B	4	10	ORBR	SDGR	BLSPAL	290	-12	boulders 10cm
103000	15200	B	7	18	ORBR	SDGR	BLSPAL	320	-10	good sample
103000	15250	B	6	15	GNBR	SD	PN	70	-26	quartz rocks in it
103000	15300	AB	6	15	BR	ST	ABGR	70	-1	side of river
103000	15350	AB	6	15	BR	SDGR	SP	250	-22	up hill from creek; rock & schist
103000	15400	NS		0				250	-4	rock slide very steep cliff
103000	15450	NS		0				250	-27	no noticable B horizon
103000	15500	AB	24	61	OR	SDST	SP	250	-1	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
103000	15550	NS		0				220	-10	on rocks; no soil
103000	15600	B	6	15	ORBR	SDGR	SP	210	-9	15ft from old creek bed
103000	15650	B	18	46	BR	SD	SP	280	-10	
103000	15700	B	12	30	BRGR	SD	SP	220	-15	
103000	15750	NS		0				220	-2	underground river; 10ft from stream
103000	15800	B	12	30	ORBR	SDGR	SP	280	-11	
103000	15850	NS		0				250	-19	in middle of dead trees & cliff
103000	15900	AB	24	61	DKBR	HMSD	SP	250	-12	poor sample; not much B horizon
103000	15950	B	24	61	BR	GR	AL	250	-15	
103000	16000	B	12	30	ORBR	SDGR	SPBL	250	-12	
103000	16050	B	6	15	DKBR	SD	SPBL	220	-11	lots of humus; poor sample
103000	16100	B	12	30	BR	SDGR	SPBL	250	-20	
103000	16150	B	6	15	ORBR	SDGR	PNSP	300	-11	
103000	16200	B	12	30	BR	SDGR	SPBL	300	-11	lots of quartz in rocks
103100	14400	AB	12	30	GR	SDSL	PNAS	160	-2	on river
103100	14450	B	18	46	GRBR	SDGR	AS	150	-1	poor sample, rocky
103100	14500	AB	18	46	GR	CL	AS	150	-1	in dry stream bed
103100	14550	AB	18	46	BLBR	SDGR	NONE			no clear horizons sample taken from hollo
103100	14600	B	4	10	ORBR	CSD	SPAS	240	-1	50m from bog
103100	14650	NS		0						bog
103100	14700	NS		0						bog
103100	14750	NS		0						bog
103100	14800	NS		0						bog
103100	14850	B	4	10	ORBR	SDRK	SPAS	240	-3	strong orange colour
103100	14900	B	8	20	DKBR	CSD	SPAS	170	-3	beside large bog
103100	14950	B	4	10	ORBR	SD	SPAS	230	-3	aspen dominant
103100	15000	B	4	10	ORBR	CSD	SPAS	280	-5	large rocks, 20-30cm.
103100	15050	B	8	20	ORGRBR	FSD	AS	270	-2	on the edge of mossy clearing
103100	15100	B	6	15	ORBR	CSD	AS	320	-2	some ash mixed in sample
103100	15150	B	6	15	GRBR	CSD	AS	240	-2	
103100	15200	B	4	10	ORBR	CSD	AS	220	-8	rocks above B horizon
103100	15250	B	6	15	ORBR	SDGR	AB	70	-3	river bed @ bottom of hill
103100	15300	B	8	20	BR	SD	SPAB	250	-1	other side of river bed

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
103100	15350	B	18	46	DKBR	SDRK	SPAB	250	-33	lots of schist
103100	15400	B	6	15	DKBR	SDRK	SPAS	250	-10	middle of trees; boulders
103100	15450	NS		0						on steep hill w/ fallen trees & rocks
103100	15500	NS		0						on cliff of rocks and trees
103100	15550	NS		0						too much humus; top of cliff
103100	15600	AB	18	46	LTBR	SDCL	SP	250	-20	
103100	15650	B	12	30	BR	SD	SPBL	250	-14	
103100	15700	B	18	46	BR	SDCL	SP	220	-6	poor sample; lots of humus
103100	15750	B	18	46	DKBR	SD	SP	250	-16	
103100	15800	B	24	61	BR	GR	SPBL	220	-15	poor sample; lots of humus
103100	15850	B	24	61	DKBR	SDGR	SPBL	250	-17	poor sample; lots of humus
103100	15900	B	24	61	DKBR	SDGR	SPAB	250	-16	
103100	15950	NS		0						no B horizon
103100	16000	B	12	30	BR	SDGR	SPBL	250	-15	
103100	16050	B	18	46	ORBR	SD	PNBLSP	310	-15	
103100	16100	NS		0						beside old stream bed
103100	16150	NS		0						in old stream bed, only rocks
103100	16200	NS		0						in old stream bed, only rocks
103200	14400	B	5	13	LTGRBR	STSD	AS	210	-1	right beside river
103200	14450	B	8	20	DKORBR	GR	AS	220	-2	
103200	14500	B	6	15	LTORBR	SDGR	SP	200	-5	
103200	14550	B	6	15	ORBR	SDGR	SP	180	-1	good sample
103200	14600	BA	6	15	LTBR	SDCL	SP	230	-2	
103200	14650	NS		0						no B horizon; rocks in the way.
103200	14700	NS		0						bog
103200	14750	NS		0						bog
103200	14800	NS		0						rock garden!
103200	14850	BA	6	15	LTBR	SDGR	PNSP	220	-1	some ash mixed in sample;big rocks
103200	14900	B	12	30	BR	SD	SP	120	-1	
103200	14950	B	12	30	DRBR	SDGR	SPGR	300	-1	no ash layer, near bog
103200	15000	NS		0						small bog
103200	15050	B	6	15	ORBR	FSD	PNAS	120	-13	
103200	15100	B	6	15	ORBR	SDGR	PNAS	200	-3	1inch of ash layer

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1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
103200	15150	B	4	10	ORBR	SD	PNAS	200	-6	
103200	15200	B	12	30	ORBR	SDGR	AS	140	-8	lots of small rocks
103200	15200	NS		0						
103200	15250	B	6	15	ORBR	SDRK	SPAS	80	-20	
103200	15300	AB	12	30	DKGR	SD	ab	160	-2	near river; wet sample
103200	15350	AB	24	61	DKGR	GRRK	ab	260	-30	very rocky; poor soil; near out-crop
103200	15400	B	6	15	LTBR	SD	ab	230	-26	just above big out-crop
103200	15450	AB	18	46	DKBR	HM	ab	260	-20	very organic; in dry streambed
103200	15500	B	18	46	GRBR	SD	SPAS	270	-24	thick organic layer
103200	15550			0				230	-21	ash directly on top of boulders
103200	15600	B	14	36	DKGR	SDGR	PNSP	230	-18	thick organics
103200	15650	B	12	30	DKGR	CL	SP	220	-15	moist and muddy
103200	15700	B	10	25	GRBR	CSD	PNSP	260	-14	
103200	15750	B	10	25	ORBR	CSD	PNSP	220	-15	big rocks 6-10cm
103200	15800	B	6	15	ORBR	CSD	PN	230	-16	B horizon close to surface
103200	15850	AB	18	46	DKBR	CSD	SP	260	-22	wet and rocky
103200	15900	B	18	46	GRBR	RKSD	PNSP	240	-20	extremely rocky; poor sample
103200	15950	B	12	30	ORBR	SDGR	PNSP	240	-21	large rocks; qtz
103200	16000	B	6	15	ORBR	SDGR	PNSP	270	-16	
103200	16050	B	6	15	ORBR	CSD	PNSP	260	-16	5m south of line; dense trees
103200	16100	B	8	20	ORBR	RKSD	SP	270	-17	thin B horizon on top of boulders
103200	16150	B	6	15	ORBR	SD	PNSP	260	-16	
103200	16200	B	4	10	ORBR	CSD	PNSP	260	-13	large rocks; qtz.
103300	14350	NS		0						
103300	14400	B	6	15	DKORBR	FSD	ab	210	-2	
103300	14450	B	6	15	DKORBR	SDRK	SP	230	-1	
103300	14500	B	12	30	DKORBR	SDRK	SP	220	-1	
103300	14550	B	12	30	ORBR	GR	SP	220	-3	
103300	14600	B	12	30	DKORBR	SDRK	SPAS	220	-4	
103300	14650	B	6	15	BR	GR	SP	240	-1	within boulders
103300	14700	B	3	8	ORBR	SDGR	SP	150	-2	within boulders
103300	14750	AB	6	15	BR	SDCL	SP	250	-3	between boulders; poor sample
103300	14800	B	6	15	ORBR	GR	SP	230	-1	near lots of boulders

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
103300	14850	B	3	8	ORBR	GR	SP	22	-2	
103300	14900	B	12	30	BR	SD	SP	120	-5	on top of boulders; poor sample
103300	14950	NS		0				160	-1	middle of swamp
103300	15000	B	12	30	GRBR	SDCL	AS	220	-19	
103300	15050	B	6	15	ORBR	FSD	SP	120	-2	
103300	15100	B	6	15	ORBR	SD	PNSP	200	-6	
103300	15150	NS	0	0						beside old swamp
103300	15200	B	12	30	ORBR	SD	BLSP	250	-10	
103300	15250	B	1	3	LTBR	CGR	PNSP	50	-32	no ash layer; rocks 2-5cm.
103300	15300	B	4	10	GRBR	SD	SPAS	130	-2	near river, damp sample
103300	15350	AB	1	3	GR	SD	SPAS	230	-16	very near river, very wet
103300	15400	B	9	22	DKGR	SD	PNSP	280	-35	thick organics; near rock
103300	15450	B	12	30	BR	CGR	PNSP	280	-22	10m from cliff; thick organics
103300	15500	B	8	20	ORBR	CGR	ALSP	280	-30	very rocky
103300	15550	A	24	61	BLBR	HM	SPAS	240	-30	thick organics; poor sample
103300	15600	A	18	46	GRBR	CL	SPAS	240	-10	poor sample; humus on top of rock
103300	15650	B	12	30	GR	CL	AS	220	-9	thick organics layer
103300	15700	NS		0					-6	bog; soil peaty and wet
103300	15750	B	6	15	ORBR	SDGR	PNSP	220	-10	
103300	15800	B	8	20	LTORBR	SDGR	PNSP	210	-11	
103300	15850	B	18	46	GRBR	GR	PNSPAS	270	-21	poor sample; thick organics
103300	15900	B	6	15	ORBR	SDRK	SPAS	230	-22	lots of small rocks
103300	15950	AB	12	30	DKBR	SDRK	PNSP	280	-24	lots of large rocks
103300	16000	B	8	20	LTORBR	SDGR	PNSPAS	290	-31	
103300	16050	B	8	20	ORBR	SDRK	PNSP	260	-21	
103300	16100	B	12	30	LTBR	SDGR	SP	260	-25	
103300	16150	B	8	20	ORBR	SDGR	SP	270	-27	
103300	16200	B	6	15	ORBR	SDRK	SP	280	-22	
103400	14400	B	4	10	ORBR	GR	SP	170	-3	lots of ash
103400	14450	B	2	5	BR	SD	SP	180	-2	
103400	14500	B	6	15	ORBR	SD	SP	180	-3	trees well spaced
103400	14550	B	6	15	OR	GR	SP	180	-3	trees well spaced; rocks 0.3m
103400	14600	B	12	30	ORDKBR	FGRSD	SP	180	-3	taken by tree trunk

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
103400	14650	B	12	30	BRGR	SD	SP	200	-4	1ft of ash
103400	14700	B	6	15	LTBR	SD	SP	200	-2	flat, rocky, old lake?
103400	14750	B	6	15	ORBR	GR	PNSP	180	-4	flat, rocky
103400	14800	B	6	15	BR	GRSD	SP	190	-7	very rocky
103400	14850	B	6	15	ORBR	GRSD	SP	200	-6	very rocky
103400	14900	B	6	15	ORBR	GRSD	SP	180	-5	4inches of ash; large 0.5m boulders
103400	14950	B	0	0	ORBR	GRSD	PNSP	190	-8	
103400	15000	B	4	10	ORBR	GRSD	PNSP	200	-11	top of hill
103400	15050	B	4	10	ORBR	GRSD	SP	220	-10	very rocky
103400	15100	B	2	5	ORBR	GRSH	PNSP	220	-18	very rocky
103400	15150	B	6	15	ORBR	GRSH	PNAS	220	-30	5m north of point
103400	15200	B	6	15	BR	SDGR	PNAS	220	-13	
103400	15250	B	16	41	ORBR	SDGR	PNSP	70	-27	
103400	15300	B	6	15	BR	FSD	ab	100	-1	in valley for river
103400	15353	B	6	15	BR	SDCL	abAS	70	0	5m from river
103400	15400	NS		0						on top of boulders; shist and rocks
103400	15450	NS		0						only 2ft of organics
103400	15500	NS		0						on shelf of rockslide
103400	15550	NS		0						only organics and shist
103400	15600	B	6	15	ORBR	GR	BLSP	260	-15	lots of organics; poor sample
103400	15650	B	6	15	ORBR	SDGR	BLSP	250	-7	
103400	15700	B	12	30	ORBR	GR	SP	190	-10	
103400	15750	B	6	15	BR	SDCL	BL	200	-14	
103400	15800	B	6	15	ORBR	SDGR	BL	250	-17	
103400	15850	B	6	15	ORBR	SD	BL	210	-12	
103400	15900	B	12	30	ORBR	SDCL	SP	240	-8	
103400	15950	B	6	15	ORBR	SDGR	BLSP	250	-12	
103400	16000	NS		0						organics and humus
103400	16050	B	24	61	GRBR	SD	BLSP	250	-12	lots of humus; poor sample
103400	16100	B	24	61	GRBR	GR	BLSP	280	-3	
103400	16150	NS		0						dense trees over 3ft of humus
103400	16200	B	6	15	GRBR	GR	BL	250	-16	
103500	14350	NS		0						too close to river

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
103500	14400	B	4	10	LTBR	SH	SPAS	180	-3	no ash, humus on top
103500	14450	B	3	8	OR	GR	SP	260	-6	on top of small hill; very oxidized
103500	14500	B	4	10	DKBR	GR	SP	310	-5	on top of small hill
103500	14550	B	2	5	ORBR	GRSH	SP	170	-2	large boulders; heavily oxidized
103500	14600	B	6	15	ORBR	GRSH	SP	210	-4	large boulders; good sample
103500	14650	B	6	15	ORBR	GRSH	SP	210	-6	large boulders
103500	14700	B	6	15	BR	GRSH	SP	220	-3	
103500	14750	B	6	15	BR	GRSH	SP	220	-3	
103500	14800	B	6	15	OR	GR	SP	220	-4	very oxidized
103500	14850	B	6	15	ORBR	FGR	SP	190	-8	
103500	14900	B	6	15	OR	FGRSH	PNSP	180	-8	
103500	14950	B	6	15	OR	FGR	PNSP	180	-10	
103500	15000	BA	18	46	GRBR	GR	SP	120	-2	lots of ash; poor sample
103500	15050	NS		0						no sample; middle of lake
103500	15100	B	3	8	OR	CGR	SP	220	-20	good sample
103500	15150	B	0	0	ORBR	CGR	SP	200	-16	no ash, v.good sample
103500	15200	B	18	46	GRBR	SD	SP	160	-5	lots of ash
103500	15250	B	6	15	ORBR	GRSD	SP	100	-25	good sample
103500	15300	B	3	8	ORBR	GRSD	SP	110	-20	large boulders; god sample
103500	15350	NS		0				180	-5	no sample; river
103500	15400	BA	4	10	DKBR	CGR	PN	230	-42	base of cliff; trees well spaced
103500	15450	B	2	5	DKBR	GR	PN	270	-24	lots of ash; sample above bedrock
103500	15500	BA		0	DKBR	HMGR	PN	260	-35	bottom of slide; 1-2m boulders
103500	15550	B	6	15	ORBR	GR	PN	260	-30	good sample
103500	15600	B	6	15	LTBR	SD	PN	280	-12	lots of humus
103500	15650	AB	24	61	DKBR	OGSD	PN	260	-11	large boulders; 2ft humus
103500	15700	AB	24	61	DKBR	OGSH	PN	250	-12	poor sample
103500	15750	B	6	15	ORBR	FGR	PN	250	-21	
103500	15800	B	12	30	LTBR	SD	PN	250	-16	
103500	15850	B	6	15	LTBR	SD	PN	250	-13	
103500	15900	B	6	15	BR	SDGR	PN	250	-12	lots of organics
103500	15950	B	3	8	GNGR	SH	PN	280	-12	
103500	16000	B	18	46	DKGR	SH	PN	280	-12	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
103500	16050	B	6	15	GNBR	SHGR	PN	300	-13	
103500	16100	B	4	10	BR	GRSD	PN	300	-24	
103500	16150	B	4	10	BR	GRSD	PN	310	-22	
103500	16200	B	4	10	BR	GRSD	PN	310	-20	
103600	14200	NS		0						river
103600	14250	NS		0						river
103600	14300	NS		0						no stake
103600	14350	B	3	8	ORBR	GR	SP	190	-5	
103600	14400	B	3	8	OR	SDGR	SP	170	-3	
103600	14450	B	6	15	ORBR	GRRK	SP	190	-4	
103600	14500	B	12	30	ORBR	GRRK	SP	220	-12	
103600	14550	B	6	15	ORBR	CGR	SP	120	-2	
103600	14600	B	6	15	ORBR	CGR	SP	200	-7	
103600	14650	B	6	15	ORBR	CGR	SP	200	-3	
103600	14700	AB	18	46	GRBR	SD	SP	200	-3	poor sample
103600	14750	B	12	30	ORBR	SDGR	SP	170	-7	
103600	14800	NS	2	5						swamp
103600	14850	B	24	61	ORBR	GR	SP	190	-6	
103600	14900	B	6	15	ORBR	GRRK	SPAL	210	-10	
103600	14950	B	4	10	ORBR	GRRK	SPAL	150	-5	
103600	15000	B	8	20	ORBR	SDGR	PNSP	130	-6	
103600	15050	B	18	46	ORBR	SDGR	SPAL	230	-26	
103600	15100	B	6	15	ORBR	SDGR	SPAL	200	-20	
103600	15150	B	6	15	ORBR	SDGR	PNSP	210	-13	
103600	15200	B	6	15	ORBR	SDGR	PNSP	170	-10	
103600	15250	B	6	15	ORBR	SDGR	PN	100	-24	
103600	15300	B	6	15	ORBR	SDGR	PN	100	-20	
103600	15350	B	3	8	ORBR	GR	ABAS	110	-12	just above creek
103600	15400	AB	24	61	LTBR	SDST	PNAB	210	-18	near creek
103600	15450	B	18	46	LTBR	GR	SP	210	-20	bottom of rock slide
103600	15500	B	6	15	ORBR	GRRK	SP	210	-22	near creek bed
103600	15550	B	18	46	ORBR	GR	PN	280	-30	
103600	15600	NS								no sample rock slide

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
103600	15650	AB	24	61	DKGR	RK	PN	290	-18	poor sample
103600	15700	AB	6	15	LTBR	SD	PN	270	-14	permafrost
103600	15750	AB	24	61	LTBR	RK	PN	280	-13	permafrost
103600	15800	AB	24	61		GRRK	PN	280	-13	
103600	15850	AB	3	8		GR	PN	270	-12	at small water drainage
103600	15900	B	6	15	ORBR	SDGR	PN	240	-15	
103600	15950	B	4	10	ORBR	GR	PN	240	14	
103600	16000	B	4	10	LTBR	GRRK	PN	260	-13	
103600	16050	B	2	5	ORBR	GRRK	PN	260	-11	
103600	16100	AB	18	46	LTBR	RK	PN	260	-17	
103600	16150	AB	24	61	DKBR	SD	PN	290	-16	
103600	16200	AB	24	61	DKBR	RK	PN	270	-15	
103700	14350	AB	3	8	LTBR	ST		230	-2	beside river
103700	14400	B	4	10	ORBR	GR		220	-12	
103700	14450	B	4	10	ORBR	SDGR	SP	160	-3	
103700	14500	B	6	15	ORBR	SDGR	SP	170	-4	
103700	14550	B	6	15	ORBR	CGR	SPAL	170	-5	
103700	14600	B	12	30	ORBR	GR	SPAL	180	-3	
103700	14650	B	12	30	ORBR	SD	SPAL	150	-1	edge of swamp, wet sample
103700	14700	NS					GR	140	0	in swamp
103700	14750	NS					GR	140	0	in swamp
103700	14800	B	4	10	ORBR	GR	PNSPAL	160	-3	near swamp
103700	14850	B	6	15	ORBR	SDGR	PNSPAL	190	-13	boudin's of quartz near sample
103700	14900	B	12	30	ORBR	SDGR	PNSP	190	-11	
103700	14950	B	4	10	ORBR	SDGR	SPAL	180	-4	
103700	15000	B	4	10	ORBR	GRRK	SP	130	-8	near small swamp
103700	15050	B	4	10	ORBR	FSD	SP	160	-10	
103700	15100	B	8	20	ORBR	SDGR	PNSP	210	-16	
103700	15150	B	12	30	ORBR	SDGR	PNSP	210	-13	
103700	15200	B	6	15	ORBR	SDGR	PNSP	220	-10	
103700	15250	B	4	10	ORBR	SDGR	PN	50	-28	
103700	15300	B	3	8	ORBR	SDGR	PNAL	120	-3	close to river
103700	15350	NS		0			PNSP	130	-1	close to river,no soil

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
103700	15400	B	1	3	ORBR	CGR	AL	150	-2	close to river
103700	15450	B	8	20	ORBR	CGR	PNSP	210	-36	
103700	15500	NS		0			PNAL	200	-26	bottom of rock slide, poor sample
103700	15550	AB	4	10	GRBR	RK	SP	290	-13	
103700	15600	B	6	15	ORBR	CGR	PNSP	280	-23	
103700	15650	B	6	15	ORBR	CGR	PNSP	260	-15	
103700	15700	B	6	15	ORBR	CGR	PNSP	260	-13	
103700	15750	B	6	15	ORBR	SDGR	SPAL	230	-16	
103700	15800	B	8	20	ORBR	SDGR	PNSPAL	220	-16	
103700	15850	B	8	20	BR	GRRK	PNSP	210	-13	
103700	15900	B	6	15	ORBR	SDGR	PNSP	240	-16	
103700	15950	B	4	10	ORBR	SDGR	PNSP	220	-13	
103700	16000	B	4	10	ORBR	SDGR	SPAL	255	-12	
103700	16050	B	10	25	ORBR	SD	PNSP	200	-9	
103700	16100	AB	3	8	DKBR	CGR	PNAL	210	-9	
103700	16150	B	12	30	DKBR	SDRK	PN	240	-13	underground drainage, permafrost
103700	16200	AB	3	8	DKBR	SD	PN	250	-9	underground drainage, permafrost
103800	14400	B	12	30	BR	GR	SPAB	230	0	sample taken 20 ft from river bed
103800	14450	B	6	15	ORBR	SD	PN	250	-6	
103800	14500	B	12	30	ORBR	SDGR	PN	250	-8	
103800	14550	B	12	30	ORBR	SDGR	AB	250	-14	
103800	14600	B	24	61	RDORBR	SD	PN	80	-1	edge of swamp
103800	14650	NS		0					0	middle of swamp
103800	14700	NS		0					0	middle of swamp
103800	14750	B	6	15	GR	GR	SP	200	-1	
103800	14800	B	6	15	ORBR	SD	SPBL	250	-15	
103800	14850	B	6	15	ORBR	SD	SPBL	200	-14	
103800	14900	B	6	15	ORBR	GR	SPPNBL	160	-14	
103800	14950	AB	6	15	GR	CLSD	BL	170	-10	poor sample-middle of balsam trees
103800	15000	B	6	15	BR	SD	PNAS	170	-6	
103800	15050	B	6	15	BR	SDRK	PNAS	200	-6	
103800	15100	B	6	15	LTBR	SDRK	PNAS	190	-8	
103800	15150	B	6	15	GRBR	SD	PNAS	240	-12	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
103800	15200	B	6	15	ORBR	SDGR	PNAS	60	-20	
103800	15250	B	6	15	ORBR	SDGR	SP	70	-29	
103800	15300	A	3	8	GR	SD	SP	60	-1	at creek bed
103800	15350	NS		0				60	0	right at creek bed-just silt
103800	15400	AB	12	30	BR	CLSD	SP	250	-16	
103800	15450	B	6	15	ORBR	SDGR	SP	250	-27	
103800	15500	B	18	46	BR	CLGR	SPBL	220	-14	
103800	15550	B	18	46	BR	SD	SP	220	-7	
103800	15600	B	12	30	ORBR	SDGR	BL	230	-7	
103800	15650	B	6	15	ORBR	SDGR	BL	250	-15	
103800	15700	B	6	15	ORBR	GR	SPBL	240	-15	
103800	15750	AB	6	15	ORBR	SDGR	SPBL	320	-10	poor sample-near stream bed
103800	15800	B	6	15	ORBR	SDGR	SPBL	300	-16	poor sample-near stream bed
103800	15850	B	6	15	RDBR	GR	SPBL	290	-13	
103800	15900	B	12	30	BR	SD	SPBL	310	-20	
103800	15950	B	6	15	ORBR	SD	SPBL	280	-6	
103800	16000	B	6	15	ORBR	SD	SPBL	300	-16	
103800	16050	B	6	15	ORBR	SD	BL	320	-8	
103800	16100	B	12	30	LTBR	GR	SPBL	290	-14	
103800	16150	B	6	15	ORBR	SDGR	SPBL	140	-1	schist in sample-on side of clearing
103800	16200	B	12	30	LTBR	SDGR	SPBL	250	-7	on other side of clearing
103900	14350	B	6	15	BR	SD	SP	250	-1	
103900	14400	A	2	5	BR	GR	SP	190	-1	no clay layer
103900	14450	B	6	15	ORBR	GR	AB	20	-1	
103900	14500	B	12	30	ORBR	SDGR	SP	120	-1	edge of old swamp
103900	14550	B	12	30	GRBR	SD	SPAB	210	-1	
103900	14600	B	12	30	RDBR	SD	SP	180	-2	
103900	14650	B	12	30	BR	GR	SP	210	-1	
103900	14700	B	6	15	ORBR	SDGR	SPBL	150	-1	
103900	14750	B	6	15	ORBR	SD	SP	210	-9	
103900	14800	NS		0				250	-25	only lg boulders/rocks at btm of slide
103900	14850	B	12	30	ORBR	SDGR	AB	220	-10	
103900	14900	B	12	30	ORBR	SDGR	SPBL	200	-4	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
103900	14950	B	12	30	ORBR	SD	SPBL	170	-3	
103900	15000	NS		0			SP	170	-1	lots of boulders/rocks-only ash
103900	15050	B	6	15	ORBR	SD	SP	160	-1	
103900	15100	B	12	30	ORBR	SDRK	SP	160	-2	
103900	15150	B	12	30	ORBR	SD	SP	180	-2	
103900	15200	B	6	15	ORBR	GR	SPBL	220	-1	
103900	15250	B	6	15	ORBR	SDGR	SPPN	100	-22	
103900	15300	NS		0			SPAL	150	-1	between 2 braided streams
103900	15350	B	3	8	ORGRBR	SDGR	SP	280	-32	
103900	15400	B	2	5	GRBR	SDGR	SPPN	90	-36	
103900	15450	B	8	20	ORBR	CGR	SPAL	206	-14	
103900	15500	B	6	15	GRBR	SD	SPPN	260	-19	
103900	15550	B	6	15	ORBR	SDGR	PNAL	260	-19	
103900	15600	B	6	15	GRBR	GR	SP	270	-17	
103900	15650	B	6	15	GR	SDCL	SP	270	-13	
103900	15700	B	6	15	GRBR	SD	SPPN	270	-12	
103900	15750	B	8	20	GRBR	SDGR	SPPN	290	-11	
103900	15800	B	4	10	ORBR	SDRK	SP	275	-22	
103900	15850	AB	18	46	GR	SDRK	SP	300	-19	
103900	15900	B	4	10	GRBR	SDRK	SPPN	300	-29	
103900	15950	B	4	10	ORBR	SDGR	SPPN	310	-34	
103900	16000	B	18	46	DKBR	SD	SP	310	-41	
103900	16050	B	4	10	BR	SDGR	SP	310	-46	
103900	16100	AB	18	46	GR	SDRK	SP	310	-45	
103900	16150	B	4	10	ORBR	CGR	SP	310	-50	
103900	16200	B	6	15	ORBR	SDGR	SPPN	310	-50	
104000	14350	B	6	15	GR	CLSD	SPAS	220	-7	
104000	14400	NS		0						In the middle of a bog
104000	14450	B	4	10	ORBR	CGR	SPAS	190	-6	
104000	14500	B	10	25	GRBR	SDGR	SPAS	240	-2	poor sample-very rocky
104000	14550	B	10	25	ORBR	SDGR	SPAS	230	-8	
104000	14600	B	6	15	ORBR	SD	SPAS	220	-6	
104000	14650	B	6	15	ORBR	SDGR	SPAS	180	-6	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
104000	14700	B	10	25	GRBR	SDGR	SPPN	200	-15	
104000	14750	B	6	15	ORBR	SD	PNAL	210	-16	
104000	14800	B	6	15	LTBR	SD	SPAL	210	-15	
104000	14850	B	6	15	ORBR	SD	SPAL	220	-7	
104000	14900	B	6	15	ORBR	FSD	SPAL	170	-8	
104000	14950	B	4	10	ORBR	FSD	SPPN	110	-4	
104000	15000	B	18	46	ORBR	FSD	SP	50	-2	
104000	15050	A	24	61	DKBR	SD	SPAL	240	-2	
104000	15100	B	6	15	ORBR	CGR	SP	230	-2	
104000	15150	AB	6	15	GRBR	RKSD	SPAL	270	-2	
104000	15200	B	6	15	BR	SDGR	SP	30	-16	
104000	15250	B	12	30	ORBR	SDGR	SPPN	30	-20	
104000	15300	B	6	15	GR	SDRK	SPAS	120	-3	
104000	15350	B	6	15	GR	SDCL	SPPN	240	-7	
104000	15400	B	8	20	ORBR	SD	SPAS	225	-26	
104000	15450	B	10	25	ORBR	SD	SPPN	240	-19	
104000	15500	B	12	30	ORBR	SDGR	SP	270	-14	
104000	15550	B	10	25	ORBR	FSD	SP	270	-10	
104000	15600	AB	6	15	GRBR	CGR	SPPN	270	-10	
104000	15650	B	10	25	ORBR	SDGR	SPPN	280	-12	
104100	14300	AB	3	8	DKBR	SD	AS	160	-3	3 meters from river
104100	14350	B	4	10	RDBR	STGR	PN	210	-8	
104100	14400	B	8	20	RDBR	SDST	PN	250	-3	wet sand in swamp
104100	14450	B	4	10	OR	GR	PNAS	235	-4	
104100	14500	B	4	10	OR	GRRK	PNAS	235	-5	
104100	14550	B	6	15	ORBR	GR	PN	270	-5	
104100	14600	B	6	15	ORBR	SDRK	PNAS	240	-8	point just above flood plain
104100	14650	B	6	15	ORBR	SDGR	PNAS	220	-4	
104100	14700	B	6	15	RDBR	SDGR	PNAS	225	-12	
104100	14750	B	12	30	ORBR	SDGR	PNAS	220	-13	
104100	14800	B	12	30	ORBR	SDGR	PNAS	220	-17	
104100	14850	B	10	25	ORBR	SDGR	PNAS	210	-16	
104100	14900	B	12	30	GRBR	GR	PNAS	90	-8	

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Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
104100	14950	B	8	20	ORBR	SDGR	PNAS	90	-5	
104100	15000	B	6	15	ORBR	SDGR	PNAS	70	-4	
104100	15050	B	6	15	ORBR	GR	PNAS	70	-4	
104100	15100	B	4	10	BR	GR	PN	50	-22	
104100	15150	B	6	15	BR	GR	PN	50	-17	
104100	15200	B	6	15	ORBR	SD	PN	140	-1	no hipchain -distances btwn long?
104100	15250	B	24	61	ORBR	SD	PN	140	-3	island in stream bed
104100	15300	B	12	30	ORBR	ST	PN	210	-5	
104100	15350	AB	12	30	GRBR	ST	PN	210	-5	in creek -2m. left, no B level
104100	15400	B	8	20	OR	SDGR	PN	160	-22	
104100	15450	B	8	20	OR	SDGR	PNAS	210	-16	
104100	15500	B	12	30	OR	GR	PNAS	290	-10	
104100	15550	B	18	46	OR	GR	PNAS	300	-15	
104100	15600	B	12	30	OR	GR	PNAS	330	-10	
104100	15650	B	18	46	OR	GR	PNAS	325	-12	
104100	15700	B	18	46	OR	GR	PNAS	335	-13	
104100	15750	B	12	30	ORBR	GR	PNAS	340	-14	
104100	15800	B	18	46	OR	GR	PNAS	340	-14	
104100	15850	B	4	10	OR	SDGR	PNAS	345	-18	
104100	15900	B	24	61	GRBR	RK	PN	340	-12	
104100	15950	AB	24	61	ORGR	GR	PN	320	-13	
104100	16000	B	24	61	ORBR	HM	PN	330	-15	fines, near a drainage
104100	16050	AB	24	61	GRBR	SDHM	PNAS	330	-16	
104100	16100	B	18	46	GRBR	HM	PNAS	335	-5	permafrost
104100	16150	NS		0						moss on old rock slide/ no B horizon
104100	16200	NS		0						moss on old rock slide/ no B horizon
104150	15200	B	6	15	ORBR	SDGR	PNAS	130	-2	15150-14300 line not complete
104150	15250	B	6	15	ORBR	GR	PNAS	150	-1	
104150	15300	B	6	15	BR	ST	PN	160	-5	
104150	15350	B	24	61	RDBR	ST	PN	180	-10	near river canyon
104150	15400	B	4	10	GRBR	ST	PN	160	-5	In river canyon / tallas
104150	15450	B	3	8	ORBR	GR	PNAB	20	-40	
104150	15500	B	3	8	LTBR	SDGR	PNAB	310	-40	above water fall

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
104300	14600	AB	18	46	GRBR	GR	PN	220	-15	
104300	14650	B	6	15	ORBR	SDGR	PNAS	250	-28	steep hill, large boulders
104300	14700	B	4	10	ORBR	SDGR	PNAS	210	-12	lots of organics
104300	14750	B	6	15	ORBR	SDGR	PNAS	210	-6	
104300	14800	B	6	15	ORBR	SDGR	PNAS	200	-4	
104300	14850	B	8	20	ORBR	SDGR	PNAS	180	-3	
104300	14900	B	12	30	BR	GR	PN	180	-3	
104300	14950	B	6	15	ORBR	SDGR	PNAS	200	-6	
104300	15000	B	6	15	ORBR	SDGR	PNAS	200	-4	
104300	15050	B	2	5	ORBR	SDGR	PNAS	140	-10	
104300	15100	B	4	10	ORBR	SDGR	PNAS	150	-16	
104300	15150	B	4	10	YLBR	SDGR	PNABAS	100	-32	
104300	15200	B	3	8	ORBR	SDGR	PN	130	-14	sample near swamp
104300	15250	B	8	20	GRBR	SDGR	SPBL	220	-22	
104300	15300	B	7	18	GRBR	SDGR	SPAL	220	-27	
104300	15350	B	6	15	GRBR	SDGR	SPBL	180	-10	
104300	15400	B	4	10	ORBR	SDGR	SPBLAL	180	-12	
104300	15450	AB	6	15	GR	SD	SP	160	-3	poor sample
104300	15500	AB	7	18	DKBR	SDGR	SPBL	165	-6	
104300	15550	B	3	8	ORBR	SDGR	SP	190	-8	
104300	15600	B	2	5	BR	SDGR	LCSPBL	150	-4	
104300	15650	B	3	8	ORBR	SDGR	SPAL	170	-15	
104300	15700	B	2	5	ORBR	SDGR	SPBL	200	-24	
104300	15750	AB	4	10	GRBR	SDCL	SPAL	200	-17	lots of large boulders
104300	15800	AB	4	10	ORBR	SDGR	SPALLC	190	-15	
104300	15850	AB	6	15	GR	SDCL	SPAL	190	-12	permafrost, poor sample
104300	15900	AB	8	20	GR	RK	SPAL	190	-5	large boulders, poor sample
104300	15950	B	18	46	DKGR	CL	SPAL	200	-13	lots of peat, poor sample
104300	16000	B	3	8	ORGR	SDGR	SPAL	160	-14	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Dub Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
104150	15550	B	12	30	BR	SDRK	PN	310	-13	On water drainage
104150	15600	B	18	46	BR	SDRK	PN	310	-13	On water drainage
104200	15100	B	6	15	GBR	SDGR	PNASAB	110	-22	no tags or flagging for entire line
104200	15150	B	6	15	LTBR	SDGR	PN	150	-20	104250 N does not exist
104200	15200	B	2	5	ORBR	GRRK	GR	140	-2	
104200	15250	B	4	10	ORBR	GRRK	PNAS	210	-32	
104200	15300	B	4	10	ORBR	RK	PN	140	-28	
104200	15350	B	3	8	ORBR	RK	PN	170	-33	
104200	15400	B	6	15	YLBR	SDGR	PN	180	-24	
104200	15450	B	6	15	YLBR	SDGR	PN	170	-28	
104200	15500	B	1	3	GBR	RK		190	-60	near cliff, very steep
104200	15550	B	3	8	BR	SDGR	PNAS	230	-20	
104200	15600	AB	18	46	DKBR	STGR	PN	270	-15	
104200	15650	B	6	15	ORBR	GR	PN	310	-10	
104200	15700	B	4	10	ORBR	GR	PN	300	-15	
104200	15750	AB	24	61	DKBR	SDST	PN	290	-14	permafrost
104200	15800	AB	24	61	DKBR	GR	PN	290	-11	permafrost
104200	15850	A	24	61	DKBR	GRST	PN	300	-12	permafrost
104200	15900	A	18	46	DKBR	GRST	PN	320	-13	permafrost
104200	15950	A	18	46	DKBR	ST	GR	290	-11	permafrost
104200	16000	B	6	15	ORBR	GR	GR	310	-14	
104200	16050	B	12	30	ORBR	GR	PN	300	-14	
104200	16100	B	4	10	LTBR	GRRK	PN	280	-8	1 meter from creek
104200	16150	B	9	23	LTBR	SD	PN	250	-10	
104200	16200	B	9	23	LTBR	SDGR	PN	250	-10	
104300	14200	NS		0						river
104300	14250	NS		0						river
104300	14300	AB	2	5	GRBR	STSD	PNSP	220	-10	near river, very oxidized
104300	14350	B	4	10	ORBR	GR	PNSP	220	-12	
104300	14400	B	6	15	GR	SDGR	PN	180	-3	
104300	14450	B	4	10	ORBR	SDGR	PN	230	-8	
104300	14500	B	6	15	ORBR	SDGR	PN	180	-8	
104300	14550	B	4	10	ORBR	GR	AS	140	-3	

LAKE SURVEY GRID

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Lake Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
108200	3700	AB	18	46	BLBR	CLSD	SP	188	-1	no ash layer; organics mixed in
108200	3750	AB	24	61	BLBR	SDGR	SPAS	280	-8	organics and rocks combined w/ sample
108200	3800	B	12	30	GNGR	FSD	SP	276	-5	some organics and ash
108200	3850	AB	12	30	DKBR	FSD	AS	236	-30	lots of organics
108200	3900	AB	18	46	DKBR	CLGR	AS	266	-30	very poor sample
108200	3950	NS		0						2ft solid humus; dense forest
108200	4000	AB	12	30	DKBR	FGR	SP	250	-11	lots of organics; poor sample
108300	3700	AB	18	46	DKBR	CL	ASGR	262	-2	orgaincs; poor sample
108300	3750			0						2ft humus followed by rock
108300	3800	B	18	46	LTBR	FSD	AS	265	-13	schist
108300	3850	B	18	46	BR	SDGR	SPAS	253	-13	
108300	3900	B	12	30	LTBR	SDRK	SP	260	-19	good sample
108300	3950	AB	24	61	DKORBR	CLRK	SPAS	250	-6	rocky; organics
108300	4000	B	18	46	ORBR	SDGR	SP	260	-16	rocks; thin ash layer
108400	3650	B	6	15	DKBR	FSD	SPAS	233	-2	thick ash layer; rocky soil
108400	3700	B	6	15	BR	SD	SPAS	242	-9	great sample
108400	3750	B	12	30	BR	SD	AS	221	-12	good sample
108400	3800	B	12	30	LTBR	FSD	SPAL	246	-19	good sample under 1ft humus
108400	3850	B	18	46	GR	CLGR	SP	240	-14	clay, rock and soil mix
108400	3900	B	12	30	GRBR	GR	SP	244	-22	very rocky soil
108400	3950	AB	24	61	DKBR	CLRK	SP	231	-13	18in humus over schist
108400	4000	B	6	15	BR	SDGR	SP	242	-12	rocky soil; good sample
108500	3350	B	6	15	LTBR	FSD	AS	250	-1	8m from beach!
108500	3400	B	12	30	GRBR	CLSD	AS	180	-3	beside creek
108500	3450	B	12	30	DKGN	FSD	AS	250	-1	
108500	3500	B	12	30	BR	GR	AS	252	-4	rocky soil
108500	3550	B	12	30	GRBR	GR	SP	250	-2	near creek
108500	3600	AB	24	61	DKBR	CLSD	AS	239	-4	poor sample; near bog. lots of organics
108500	3650	NS		0						beside bog
108500	3700	B	6	15	DKBR	FSD	AS	263	-12	rocks!
108500	3750	B	12	30	YLBR	FSD	AS	243	-11	good sample
108500	3800	AB	18	46	DKBR	FSD	SP	244	-11	organics mixed in sample
108500	3850	B	12	30	ORBR	FSD	SP	251	-18	good sample

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Lake Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
108500	3900	B	12	30	ORBR	SD	SP	242	-21	good sample
108500	3950	B	12	30	BR	GRRK	AS	257	-13	small sample
108500	4000	AB	12	30	GRBR	CLGR	SP	249	-9	poor sample; organics
108600	13350	B	8	20	BR	GR	AS	230	-3	
108600	13400	B	10	25	BR	GR	AS	220	-4	
108600	13450	B	10	25	BR	GR	AS	220	-4	
108600	13500	B	10	25	GRBR	GR	AS	220	-4	3 m from old creek bed
108600	13550	B	18	46	BR	SD	AS	230	-4	
108600	13600	NS		0						old creek bed, no soil at all
108600	13650	B	24	61	DKBR	SD	PN	230	-5	
108600	13700	AB	24	61	DKBR	SD	PN	240	-15	
108600	13750	AB	18	46	GR	SD	PN	240	-23	sample taken in water
108600	13800	B	12	30	DKGR	SD	PN	240	-20	
108600	13850	B	12	30	GR	SD	PN	250	-25	
108600	13900	AB	16	41	ORBR	SD	PN	250	-25	
108600	13950	B	10	25	LTBR	SD	SP	250	-10	
108600	14000	B	8	20	BR	SD	SP	250	-20	
108700	13350	B	12	30	GR	GR	AS	250	-1	4m from beach, no ash
108700	13400	B	6	15	LTBR	FGR	AS	228	-9	rocky
108700	13450	B	24	61	GRBR	GR	AS	232	-5	2ft humus over schist
108700	13500	B	10	25	DKGR	FSD	AL	250	-6	
108700	13550	B	12	30	GRBR	FSD	ASSP	250	-6	
108700	13600	B	6	15	ORBR	SD	ASPN	120	-12	
108700	13650	NS		0						
108700	13700	B	10	25	ORBR	SD	ASSP	270	-36	
108700	13750	B	12	30	RDBR	CLSD	SPPNMS	190	-11	
108700	13800	B	14	36	DKBR	SD	SPMS	220	-11	
108700	13850	B	12	30	ORBR	SD	SPMS	220	-12	
108700	13900	B	18	46	BR	SD	PNSP	230	-12	
108700	13950	B	24	61	RDBR	GRRK	SPMS	230	-17	
108700	14000	B	18	46	BR	SD	SPMS	250	-17	
108800	13250	NS		0						LAKESHORE
108800	13300	NS		0						LAKESHORE

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Lake Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
108800	13350	AB		0	LTRDBR	STSD	SP	250	-3	
108800	13400	B		0	LTRDBR	STSD	SP	250	-1	
108800	13450	AB		0	DKBR	STSD	SP		0	
108800	13500	AB		0	DKBR	STSD	SP	210	-3	
108800	13550	AB		0	RDBR	SD	SP	210	-5	
108800	13600	B		0	BR	SD	SP	200	-2	
108800	13650	B		0	GRBR	SD	SP	110	-40	
108800	13700	AB		0	DKBR	GR	SP	250	0	
108800	13750	AB		0	LTBR	SD	SP	210	-15	
108800	13800	B		0	GRBR	SD	SP	250	-10	
108800	13850	AB		0	RDBR	STSD	SP	250	-15	
108800	13900	B		0	BR	CSD	SP	250	-5	
108800	13950	B		0	BR	CSD	SP	250	-15	
108800	14000	AB		0	DKBR	CSD	SP	250	-15	
108900	13200	NS		0						rock slide deposit
108900	13250	AB	8	20	ORBR	SDGR	ASMS	220	-7	
108900	13300	B	10	25	BR	CLSD	ASMS	250	-3	
108900	13350	B	12	30	ORBR	SD	ASMS	190	-1	
108900	13400	B	28	71	DKBR	CL	ASMS	180	-6	
108900	13450	AB	36	91	DKBR	CL	ASMS	180	-3	
108900	13500	B	8	20	ORBR	SD	ASMS	180	-27	on top of huge rock deposit
108900	13550	B	12	30	BR	CLSD	ASSP	320	-11	
108900	13600	AB	18	46	DKBR	CL	ASSP	340	-8	
108900	13650	B	10	25	LTBR	SDRK	ASSP	110	-12	
108900	13700	B	12	30	BR	SD	ASSP	100	-21	beside cliff and creek
108900	13750	B	18	46	BR	GRRK	SP	210	-4	
108900	13800	B	19	48	BR	GRRK	SP	270	-28	
108900	13850	B	16	41	BR	GRRK	SPPN	230	-17	
108900	13900	AB	14	36	DKBR	CLSD	SP	260	-13	
108900	13950	NS		0						solid rock,no soil
108900	14000	B	12	30	BR	SDRK	SP	260	-26	
109000	13150	AB		0	LTBR	STSD	SP	200	-10	
109000	13200	AB		0	LTBR	STSD	SP	240	-2	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Lake Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
109000	13250	B		0	GRBR	SD	SP	170	-10	
109000	13300	B		0	DKBR	SD	SP	80	-20	
109000	13350	B		0	GR	SD	SP	110	-35	
109000	13400	NS		0			SP			boulders only, no B horizon
109000	13450	B		0	GR	SD	SP	220	-3	
109000	13500	AB		0	RDBR	STSD	SP	200	-2	
109000	13550	AB		0	DKBR	STSD	SP	220	-25	
109000	13600	B		0	GRBR	SD	SP	220	-1	
109000	13650	AB		0	RDBR	SD	SP	220	0	
109000	13700	B		0	LTBR	SD	SP	220	-20	
109000	13750	AB		0	LTBR	STSD	SP	120	-5	
109000	13800	B		0	BR	SD	SP	200	-5	
109000	13850	B		0	BR	SD	SP	130	-35	
109000	13900	B		0	DKBR	GR	SP	290	-40	creek less than 10 m away
109000	13950	B		0	GR	CL	SP	320	-10	
109000	14000	AB		0	DKBR	STSD	SP	290	-15	
109100	13100	B	8	20	GRBR	GRSD	AS	240	-7	
109100	13150	B	8	20	LTGR	SD	AS	230	-8	
109100	13200	B	10	25	GRBR	SD	AS	220	-8	
109100	13250	B	6	15	GRBR	SD	AS	70	-1	
109100	13300	B	10	25	BR	SD	AS	250	-8	
109100	13350	B	12	30	GRBR	SD	AS	220	-10	
109100	13400	NS		0						old creek ravine
109100	13450	AB	10	25	GRBR	SD	AS	160	-2	
109100	13500	B	10	25	GRBR	SD	ASPN	255	-25	
109100	13550	B	8	20	BR	SD	ASPN	240	-15	
109100	13600	B	10	25	RDBR	SD	PN	240	-5	
109100	13650	AB	6	15	YLBR	SD	PN	70	-4	
109100	13700	AB	24	61	GRBR	SD	PN	230	-4	
109100	13750	B	10	25	BR	SD	PN	230	-10	
109100	13800	B	14	36	BR	CLGR	PN	220	-8	
109100	13850	B	18	46	BR	SD	PN	220	-12	
109100	13900	B	20	51	DKBR	SD	PN	95	-28	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Lake Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
109100	13950	B	12	30	BR	SD	PN	100	-25	
109100	14000	B	12	30	GR	SD	PN	160	-25	
109200	12900	B	3	8	BR	SDGR	BL	210	-2	
109200	12950	B	6	15	BR	SDGR	BL	210	-2	
109200	13000	AB	6	15	BR	CLSD	BL	210	-2	
109200	13050	B	9	23	ORBR	SDGR	BL	210	-20	
109200	13100	B	6	15	OR	SDGR	SPAS	220	-30	
109200	13100	B	10	25	ORBR	SDGR	BL	200	-10	
109200	13150	B	7	18	OR	SDGR	SPAS	220	-26	
109200	13150	B	9	23	ORBR	SDGR	BL	200	-5	
109200	13200	B	3	8	BR	SDGR	SPAS	210	-2	
109200	13200	B	14	36	BR	SDGR	BL	200	-2	
109200	13250	AB	18	46	GRBR	CLSD	SPAS	230	-24	
109200	13250	B	8	20	BR	SDGR	BL	200	-8	
109200	13300	NS		0				320	-2	
109200	13300	AB	10	25	LTBR	SDGR	BL	200	-12	not much soil,poor sample
109200	13350	AB	19	48	GRBR	CLSD	SPAS	220	-20	
109200	13350	B	8	20	LTBR	SDGR	BL	220	-8	
109200	13400	AB	6	15	BR	CL	GR	0		dry bog hole
109200	13400	AB	18	46	BR	CLSD	BL	210	-2	
109200	13450	NS		0						
109200	13450	B	7	18	RDBR	SDGR	BL	220	-5	
109200	13500	B	14	36	ORBR	CLSD	ASBL	220	-33	
109200	13500	AB	10	25	BR	SDGR	BL	220	-6	
109200	13550	B	5	13	BR	CLSD	GR	220	-2	
109200	13550	B	7	18	BR	SDGR	BL	200	-4	
109200	13600	AB	18	46	DKBR	CLSD	BL	210	-1	
109200	13600	B	9	23	BR	SDGR	BL	200	-12	
109200	13650	NS		0						
109200	13650	B	6	15	BR	SDGR	BL	200	-4	
109200	13700	B	10	25	ORBR	SDGR	BL	210	-25	
109200	13700	B	14	36	BR	SDGR	BL	210	10	
109200	13750	B	6	15	ORBR	SDGR	BL	210	-20	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Lake Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
109200	13750	AB	4	10	LTBR	SDGR	BL	210	10	
109200	13800	B	6	15	ORBR	SDGR	BL	210	-20	
109200	13800	B	5	13	ORBR	SDGR	BL	200	-7	
109200	13850	B	7	18	ORBR	SDGR	BL	210	-10	
109200	13850	B	7	18	ORBR	SDGR	BL	180	-10	
109200	13900	B	7	18	ORBR	SDGR	BL	230	-4	
109200	13900	B	5	13	LTBR	SDGR	BL	180	-25	
109200	13950	B	6	15	ORBR	SDGR	BL	220	-10	
109200	13950	B	5	13	ORBR	SDGR	BL	100	-25	
109200	14000	B	8	20	ORBR	SDGR	BL	60	-30	other side of hilltop
109200	14000	B	7	18	DKGR	SDGR	BL	100	-25	
109300	13050	AB	6	15	GR	CLST	GR	170	-3	
109300	13100	B	5	13	LTORBR	SDGR	AS	220	-2	near stream
109300	13150	B	6	15	GRORBR	SDGR	AS	220	-2	
109300	13200	AB	12	30	DKBR	SDCL	SPAS	220	-5	
109300	13250	B	8	20	GNGR	SDGR	AS	220	-9	
109300	13300	B	4	10	GR	SDGR	PNAS	220	-7	
109300	13350	B	5	13	GRBR	SDGR	PNAS	220	0	
109300	13400	NS		0				0		organic layer to deep,too many roots
109300	13450	B	5	13	GR	SDGR	PN	220	-4	
109300	13500	B	8	20	GRBR	SDGR	PN	220	-6	
109300	13550	B	5	13	GRBR	SDGR	PN	220	-1	
109300	13600	AB	18	46	DKBR	SD	PN	220	-2	
109300	13650	B	14	36	DKBR	SDGR	PNAS	220	-12	
109300	13700	B	6	15	ORBR	SDGR	PN	220	-2	
109300	13750	B	5	13	LTORBR	SDGR	PN	220	-8	
109300	13800	B	5	13	LTORBR	SDGR	PNAS	220	-15	
109300	13850	B	9	23	ORBR	SDGR	PNAS	220	-5	
109300	13900	B	10	25	DKBR	SDGR	PNAS	180	-7	
109300	13950	AB	12	30	DKBR	SDGR	SPPN	190	-10	
109300	14000	B	7	18	ORBR	SDGR	SPPN	120	-11	
109400	13050	AB	6	15	GRBR	SD	AS	310	-10	40 M from lake
109400	13100	AB	8	20	ORGR	SD	AS	240	-4	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Lake Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
109400	13150	B	8	20	GRBR	SD	ASSP	230	-11	
109400	13200	B	6	15	GRBR	SDRK	AS	230	-10	large rocks below soil sample
109400	13250	NS		0						
109400	13300	B	8	20	GR	SD	ASSP	220	-10	
109400	13350	B	7	18	GRBR	SD	ASSP	220	-13	
109400	13400	B	6	15	GR	SD	SP	220	-14	
109400	13450	AB	8	20	GRBR	CLSD	SP	210	-6	
109400	13500	B	12	30	BR	SD	SP	210	-10	
109400	13550	AB	20	51	DKBR	SD	SP	210	-8	
109400	13600	B	10	25	BR	SD	ALSP	210	-17	
109400	13650	B	8	20	GR	CLSD	SP	200	-14	
109400	13700	AB	12	30	GRBR	SD	SP	180	-21	
109400	13750	B	9	23	BR	SD	SP	210	-21	
109400	13800	B	6	15	BR	SD	SP	210	-19	
109400	13850	B	8	20	GR	SDGR	ASSP	210	-10	
109400	13900	AB	6	15	GRBR	SD	ASSP	140	-9	
109400	13950	AB	10	25	GRBR	SD	AS	110	-7	
109400	14000	B	6	15	GRBR	SD	ASSP	70	-8	
109500	13000	AB		14	GR	CLSD	SPAB	250	-2	
109500	13050	B		13	GRBR	CLSD	SPAB	240	-20	
109500	13100	B		16	DKRDBR	SD	SPAB	240	-15	
109500	13150	NS		0				240	-15	boulders only
109500	13200	AB		16	DKBR	STSD	SPAB	240	-15	
109500	13250	B		20	LTBR	SD	SPPNAS	240	-10	
109500	13300	A		25	LTBR	ST	SPPNAS	240	-10	
109500	13350	B		25	DKGRBR	SD	SPPNAS	240	-20	
109500	13400	AB		25	DKGRBR	CLSD	SPPNAS	240	-15	
109500	13450	B		20	BR	SD	SPPNAS	240	0	
109500	13500	AB		30	BR	STSD	SPPNAS	240	-2	
109500	13550	AB		25	DKRDBR	STSD	SPPNAS	230	-15	
109500	13600	AB		35	DKBR	STSD	SPPNAS	230	0	
109500	13650	B		25	LTBR	STSD	SPPNAS	230	-25	
109500	13700	B		20	BR	STSD	SPPNAS	200	-5	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Lake Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
109500	13750	B		30	DKBR	STSD	SPPNAS	240	-20	
109500	13800	B		30	DKBR	STSD	SPPNAS	170	-3	
109500	13850	AB		25	DKBR	CLSD	SPPNAS	170	-10	
109500	13900	B		20	DKBR	CLSD	SPPNAS	180	-5	
109500	13950	B		25	RDGR	CLSD	SPPNAS	100	-5	
109500	14000	NS						100	-25	rock bluffs
109700	12900	B	6	15	GR	GR	AS	220	-2	
109700	12950	NS		0						too many huge roots to get to B horizon
109700	13000	AB	7	18	GR	CLGR	AS	220	-2	
109700	13050	B	6	15	LTORBR	SDGR	ALPN	220	-8	
109700	13100	B	5	13	LTGRBR	SDGR	ASPN	220	-9	
109700	13150	AB	14	36	DKBR	SDGR	PN	220	-2	
109700	13200	B	8	20	BR	SDGR	PN	220	-6	
109700	13250	NS		0						only boulders, no B horizon
109700	13300	NS		0						too many huge roots to get to B horizon
109700	13350	B	6	15	ORBR	SDGR	PN	220	-4	
109700	13400	B	14	36	DKBR	SD	PN	220	-2	
109700	13450	B	7	18	OR	SDGR	ASPN		0	
109700	13500	B	5	13	ORBR	SDGR	PN	220	-15	
109700	13550	NS		0						too many huge roots to get to B horizon
109700	13600	AB	13	33	ORGRBR	SDGR	PN	220	-25	
109700	13650	B	4	10	GRBR	SDGR	ASPN	220	-30	
109700	13700	B	3	8	GBR	SDGR	ASPN	220	-25	
109700	13750	B	5	13	GRBR	SDGR	PN	210	-7	
109700	13800	B	6	15	GRBR	SDGR	ASPN	150	-11	
109700	13850	B	4	10	ORBR	SDGR	ASPN	230	-4	
109700	13900	B	5	13	GRBR	SDGR	ASPN	140	-3	
109700	13950	B	7	18	ORBR	SDGR	SPPN	140	-7	
109700	14000	NS		0						on rock face
109800	12700	B	6	15	BR	SDGR	WL	220	-2	
109800	12750	B	7	18	BR	SD	WL	220	-1	
109800	12800	B	6	15	BR	SD	WL	220	-1	
109800	12850	NS		0						only humus and boulders

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Lake Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
109800	12900	B	5	13	ORBR	SDGR	AS	220	-4	
109800	12950	B	6	15	ORBR	SDGR	AS	220	-10	
109800	13000	AB	18	46	DKBR	SD	SP	220	-13	
109800	13050	AB	6	15	GR	SD	SP	260	-22	
109800	13100	AB	8	20	GR	CGR	SP	220	-12	
109800	13150	AB	16	41	GR	SD	SP	240	-7	
109800	13200	AB	12	30	GR	CGR	SP	220	-8	
109800	13250	NS								this stake doesn't exist on grid
109800	13300	AB	10	25	GR	CGR	SP	220	-11	
109800	13350	AB	20	51	DKBR	SD	SP	230	-7	
109800	13400	AB	20	51	DKBR	SD	SP	230	-19	
109800	13450	NS		0						only organics available on top of boulders
109800	13500	NS		0						only organics available on top of boulders
109800	13550	AB	24	61	DKBR	SD	SP	230	-15	
109800	13600	AB	8	20	DKBR	SD	SP	240	-20	
109800	13650	B	9	23	GR	SDGR	SP	240	-20	soil below thick layer of rock
109800	13700	B	4	10	GRBR	SDGR	AS	220	-17	
109800	13750	B	6	15	GRBR	SD	AS	200	-9	
109800	13800	B	7	18	BR	SD	SP	160	-7	
109800	13850	B	6	15	BR	SD	SP	210	-8	
109800	13900	B	5	13	BR	SDGR	ASSP	170	-9	
109800	13950	B	5	13	ORBR	SDGR	SP	90	-20	
109800	14000	B	6	15	BR	SD	SP	80	-20	
109900	12700	B	2	5	BR	SDGR	AS	0		dry bog hole
109900	12750	B		10	DKBR	SD		60	-1	
109900	12750	B	4	10	BR	SDGR	AS	220	-1	
109900	12800	B		20	GR	GR	SPAB	0	0	
109900	12850	NS					AB	0	0	
109900	12900	B		30	DKBR	CSD	SPPNAB	220	0	
109900	12950	NS						0	0	
109900	13000	A		35	DKBR	ST	SPPNAB	250	-10	
109900	13050	A		40	DKBR	STCL	SPPNAB	230	-5	
109900	13100	AB		25	LTBR	CSD	SPPNAB	240	-5	

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROPERTY

1996 Soil Geochemical Data - Lake Survey Grid

Northing	Easting	Soil Horizon	Depth (in)	Depth (cm)	Colour	Material	Vegetation	Slope Dir	Slope Ang(%)	Comments
109900	13150	AB		30	LTBR	CSD	SPPNAB	240	-10	
109900	13200	AB		30	BR	STSD	SPPNAB	240	-20	
109900	13250	AB		48	DKGRBR	CLSD	SPPNAB	240	-25	
109900	13300	AB		30	DKGRBR	STSD	SPPNAB	240	-10	
109900	13350	B		30	LTGRBR	SDRK	SPPNAB	230	-30	
109900	13400	AB		40	DKGRBR	STSD	SPPNAB	230	-20	
109900	13450	NS						230	-25	
109900	13500	AB		30	BR	STSD	SPPNAB	230	-25	
109900	13550	B		25	BR	SD	SPPNAB	240	-35	
109900	13600	AB		30	GRBR	STSD	SPPNAB	240	-35	
109900	13650	B		25	GRBR	SD	SPPNAB	220	-25	
109900	13700	B		25	GRBR	SD	SPPNAB	200	-15	
109900	13750	B		20	GRBR	SD	SPPNAB	180	0	
109900	13800	B		20	BR	SD	SPPNAB	180	0	
109900	13850	AB		30	DKBR	STSD	SPPNAB	220	-1	
109900	13900	B		25	DKBR	SD	SPPNAB	150	0	

APPENDIX III

Soil Geochemical Analytical Results
Certificates of Analysis
Chemex Labs Ltd. and Min-En Laboratories Ltd.

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
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Geochemical Procedure - 32-Element Geochemistry Package (32-ICP)

Nitric Aqua Regia Digestion
Inductively-Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES)

A prepared sample (1.0g) is digested with concentrated nitric and aqua regia acids at medium heat for two hours. The acid solution is diluted to 25ml with demineralized water, mixed and analyzed by inductively coupled plasma emission spectrometry. The analytical results are corrected for inter-element spectral interferences.

Chemex Code		Element	Symbol	Detection Limit	Upper Limit
229				N/A	N/A
2119	*	Aluminum	Al	0.01%	15%
2118		Silver	Ag	0.2 ppm	0.01%
2120		Arsenic	As	2 ppm	1%
2121	*	Barium	Ba	10 ppm	1%
2122	*	Beryllium	Be	0.5 ppm	0.01%
2123		Bismuth	Bi	2 ppm	1%
2124	*	Calcium	Ca	0.01%	15%
2125		Cadmium	Cd	0.5 ppm	0.01%
2126		Cobalt	Co	1 ppm	1%
2127	*	Chromium	Cr	1 ppm	1%
2128		Copper	Cu	1 ppm	1%
2150		Iron	Fe	0.01%	15%
2130	*	Gallium	Ga	10 ppm	1%
2132	*	Potassium	K	0.1%	10%
2151	*	Lanthanum	La	10 ppm	1%
2134	*	Magnesium	Mg	0.01%	15%
2135		Manganese	Mn	5 ppm	1%
2136		Molybdenum	Mo	1 ppm	1%
2137	*	Sodium	Na	0.01%	5%
2138		Nickel	Ni	1 ppm	1%
2139		Phosphorus	P	10 ppm	1%
2140		Lead	Pb	2 ppm	1%
2141		Antimony	Sb	2 ppm	1%
2142	*	Scandium	Sc	1 ppm	1%
2143	*	Strontium	Sr	1 ppm	1%
2144	*	Titanium	Ti	0.01%	5%
2145	*	Thallium	Tl	10 ppm	1%
2146		Uranium	U	10 ppm	1%
2147		Vanadium	V	1 ppm	1%
2148	*	Tungsten	W	10 ppm	1%
2149		Zinc	Zn	2 ppm	1%
2131		Mercury	Hg	1 ppm	1%

** Elements for which the digestion is possibly incomplete.*

MINERAL
•ENVIRONMENTS
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS. ASSAYERS ANALYSTS GEOCHEMISTS

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SMITHERS LAB:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TEL (604) 847-3004
FAX (604) 847-3005

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK:
PROCEDURE FOR TRACE ELEMENT ICP

Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sn, Sr, Th, Ti, U, W, Zn

0.50 grams fo the sample pulp is digested for 2 hours with an 1:3:4 HNO_3:HCl:H_2O mixture. After cooling, the sample is diluted to standard volume.

The solutions are analysed by computer operated Jarrell Ash 9000, Jarrell Ash 975 or Jobin Yvon 38, Inductively Coupled Plasma Spectrophotometers.

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Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

QC Page #: 1-A
Tot QC Pg: 1
Date: 19-AUG-96
Invoice #: 19627612
P.O. #:

NSQA

QC DATA OF CERTIFICATE A9627612

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
G90-1GM	Std1	1	2.6	2.14	58	240	0.5	6	1.04	1.5	16	101	214	3.37	< 10	1	0.21	10	0.63	815	8
G90-1GM	Std2	1	2.8	1.89	56	230	0.5	4	0.94	1.0	15	78	205	3.25	< 10	< 1	0.18	10	0.60	790	8
G90-1GM	Std1	2	2.4	2.09	66	230	0.5	6	0.99	1.5	16	93	210	3.34	< 10	< 1	0.21	10	0.62	800	7
G90-1GM	Std2	2	2.6	2.02	62	230	0.5	6	0.95	1.0	16	82	205	3.26	< 10	< 1	0.21	10	0.61	785	7
G90-1GM	Std1	3	2.8	2.02	66	220	0.5	6	0.96	1.5	16	92	206	3.30	< 10	1	0.21	10	0.60	780	7
G90-1GM	Std2	3	2.6	2.07	68	240	0.5	6	0.99	1.5	15	94	212	3.36	< 10	< 1	0.22	10	0.62	805	6
G90-1GM	Std1	4	2.6	1.85	64	220	0.5	4	0.91	1.5	18	88	195	3.11	< 10	1	0.18	10	0.58	765	6
G90-1GM	Std2	4	2.6	2.14	64	240	0.5	6	1.01	1.0	17	94	217	3.40	< 10	1	0.22	20	0.63	820	6
G90-1GM	Std1	5	2.8	2.05	72	240	0.5	6	1.00	1.5	16	93	213	3.36	< 10	< 1	0.21	10	0.63	820	7
G90-1GM	Std2	5	2.8	2.12	72	250	0.5	6	1.04	1.5	17	94	218	3.49	< 10	< 1	0.21	10	0.64	850	7
G90-1GM	Std1	6	2.6	2.10	74	240	0.5	6	1.02	1.0	16	97	210	3.41	< 10	< 1	0.22	10	0.64	820	7
G90-1GM	Std2	6	2.8	2.36	78	260	1.0	8	1.13	1.5	16	104	232	3.73	< 10	< 1	0.24	20	0.70	885	7
G90-1GM	Std1	7	2.4	1.94	66	220	0.5	6	0.94	1.0	15	89	198	3.19	< 10	< 1	0.20	10	0.60	775	6
CHEMEX MEAN	---	---	2.9	1.96	66	233	< 0.5	4	0.98	1.0	17	98	222	3.30	< 10	< 1	0.21	15	0.61	819	7
SIO2-B3	Blnk	1	< 0.2	0.06	< 2	10	< 0.5	< 2	0.01	< 0.5	< 1	1	1	0.06	< 10	< 1	0.01	< 10	< 0.01	5	< 1
SIO2-B3	Blnk	2	< 0.2	0.09	< 2	10	< 0.5	< 2	0.01	< 0.5	< 1	1	1	0.06	< 10	< 1	0.01	< 10	< 0.01	< 5	< 1
SIO2-B3	Blnk	3	< 0.2	0.09	< 2	10	< 0.5	< 2	0.01	< 0.5	< 1	2	1	0.05	< 10	< 1	0.01	< 10	< 0.01	< 5	< 1
SIO2-B3	Blnk	4	< 0.2	0.08	< 2	10	< 0.5	< 2	0.01	< 0.5	< 1	1	1	0.05	< 10	< 1	0.01	< 10	< 0.01	< 5	< 1
SIO2-B3	Blnk	5	< 0.2	0.09	2	10	< 0.5	< 2	0.01	< 0.5	< 1	1	1	0.06	< 10	< 1	0.01	< 10	< 0.01	< 5	< 1
SIO2-B3	Blnk	6	< 0.2	0.10	2	10	< 0.5	< 2	0.01	< 0.5	< 1	2	1	0.06	< 10	< 1	0.02	< 10	< 0.01	< 5	< 1
CHEMEX MEAN	---	---	< 0.2	0.06	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	2	1	0.05	< 10	< 1	< 0.01	< 10	< 0.01	< 5	< 1
103600N 14350E	Dup	1-01	< 0.2	2.34	2	120	< 0.5	< 2	0.26	< 0.5	8	90	27	3.04	< 10	< 1	0.09	10	1.21	300	6
	Orig	1-01	< 0.2	2.17	< 2	110	< 0.5	< 2	0.19	< 0.5	7	82	25	2.89	< 10	< 1	0.08	< 10	1.14	280	5
103700N 14550E	Dup	2-01	0.2	3.29	2	130	0.5	< 2	0.16	< 0.5	11	106	20	4.93	10	< 1	0.13	< 10	1.04	410	3
	Orig	2-01	0.2	3.43	< 2	140	0.5	2	0.15	0.5	11	111	21	5.16	10	1	0.14	< 10	1.08	430	3
103800N 15000E	Dup	3-01	< 0.2	1.19	< 2	60	< 0.5	< 2	0.19	< 0.5	5	69	5	1.83	< 10	< 1	0.07	< 10	0.67	165	< 1
	Orig	3-01	< 0.2	1.14	< 2	60	< 0.5	< 2	0.16	< 0.5	5	64	5	1.79	< 10	1	0.07	< 10	0.63	160	< 1
104000N 14350E	Dup	4-01	< 0.2	2.28	4	230	0.5	< 2	0.39	< 0.5	14	97	40	2.39	< 10	< 1	0.06	20	1.43	255	< 1
	Orig	4-01	< 0.2	2.46	< 2	250	0.5	< 2	0.44	< 0.5	13	106	43	2.54	< 10	< 1	0.07	20	1.54	270	< 1
104100N 15000E	Dup	5-01	0.4	3.46	6	110	0.5	< 2	0.17	< 0.5	9	86	12	2.89	< 10	< 1	0.04	< 10	0.71	150	< 1
	Orig	5-01	0.2	3.31	< 2	110	0.5	< 2	0.16	< 0.5	9	83	11	2.81	< 10	< 1	0.04	< 10	0.68	150	< 1
104200N 15600E	Dup	6-01	0.8	2.37	2	240	0.5	< 2	0.22	< 0.5	13	41	43	3.50	< 10	< 1	0.23	10	0.61	580	2
	Orig	6-01	0.8	2.49	2	260	0.5	< 2	0.23	< 0.5	14	43	44	3.57	< 10	< 1	0.27	10	0.63	655	1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

QC Page #: 1-B
Tot QC Pg: 1
Date: 19-AUG-96
Invoice #: I9627612
P.O. #:

NSQA

QC DATA OF CERTIFICATE A9627612

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
G90-1GM	Std1	1	0.03	74	1000	184	2	5	80	0.10	< 10	40	70	< 10	238
G90-1GM	Std2	1	0.03	74	970	180	2	4	73	0.07	< 10	40	64	< 10	234
G90-1GM	Std1	2	0.04	73	980	178	2	5	80	0.10	< 10	40	67	< 10	236
G90-1GM	Std2	2	0.04	72	950	178	4	5	78	0.09	< 10	40	66	< 10	228
G90-1GM	Std1	3	0.04	71	980	178	4	5	75	0.10	< 10	40	66	< 10	226
G90-1GM	Std2	3	0.04	73	1000	186	6	5	75	0.10	< 10	40	68	< 10	242
G90-1GM	Std1	4	0.04	73	960	176	< 2	4	69	0.08	< 10	40	61	< 10	226
G90-1GM	Std2	4	0.04	75	1020	188	2	5	79	0.10	< 10	40	69	< 10	244
G90-1GM	Std1	5	0.04	76	1030	188	4	5	78	0.09	< 10	50	67	< 10	248
G90-1GM	Std2	5	0.04	79	1060	196	4	5	82	0.09	< 10	40	71	< 10	260
G90-1GM	Std1	6	0.04	77	1040	192	2	5	77	0.10	< 10	50	70	< 10	244
G90-1GM	Std2	6	0.04	81	1100	202	< 2	6	87	0.12	< 10	50	75	< 10	268
G90-1GM	Std1	7	0.04	73	970	178	2	5	72	0.09	< 10	40	62	< 10	228
CHEMEX MEAN	---	---	0.04	75	1000	186	3	5	74	0.10	< 10	33	64	< 10	242
SIO2-B3	Blnk	1	< 0.01	< 1	60	2	< 2	< 1	20	< 0.01	< 10	< 10	1	< 10	< 2
SIO2-B3	Blnk	2	< 0.01	< 1	90	2	< 2	1	33	< 0.01	< 10	< 10	2	< 10	< 2
SIO2-B3	Blnk	3	< 0.01	< 1	90	2	< 2	1	30	< 0.01	< 10	< 10	2	< 10	< 2
SIO2-B3	Blnk	4	< 0.01	< 1	80	2	< 2	1	26	< 0.01	< 10	< 10	2	< 10	< 2
SIO2-B3	Blnk	5	< 0.01	< 1	90	2	< 2	1	32	< 0.01	< 10	< 10	2	< 10	< 2
SIO2-B3	Blnk	6	< 0.01	< 1	90	2	< 2	1	34	< 0.01	< 10	< 10	2	< 10	< 2
CHEMEX MEAN	---	---	< 0.01	< 1	94	< 2	< 2	1	34	< 0.01	< 10	< 10	1	< 10	< 2
103600N 14350E	Dup	1-01	0.01	33	250	10	< 2	6	17	0.12	< 10	< 10	97	< 10	68
	Orig	1-01	< 0.01	31	230	10	< 2	5	12	0.10	< 10	< 10	89	< 10	66
103700N 14550E	Dup	2-01	< 0.01	35	690	14	< 2	8	10	0.17	< 10	< 10	120	< 10	116
	Orig	2-01	< 0.01	36	710	12	< 2	9	10	0.17	< 10	< 10	128	< 10	120
103800N 15000E	Dup	3-01	< 0.01	20	200	8	< 2	3	13	0.12	< 10	< 10	56	< 10	40
	Orig	3-01	< 0.01	19	190	8	< 2	3	13	0.11	< 10	< 10	55	< 10	38
104000N 14350E	Dup	4-01	0.01	65	430	10	< 2	6	21	0.08	< 10	< 10	56	< 10	88
	Orig	4-01	0.02	69	450	10	2	6	23	0.09	< 10	< 10	61	< 10	94
104100N 15000E	Dup	5-01	0.01	41	440	12	< 2	4	14	0.08	< 10	< 10	56	< 10	38
	Orig	5-01	0.01	40	420	12	< 2	4	13	0.08	< 10	< 10	53	< 10	36
104200N 15600E	Dup	6-01	0.02	32	800	24	2	2	22	0.05	< 10	< 10	74	< 10	68
	Orig	6-01	0.03	33	770	24	< 2	3	24	0.05	< 10	< 10	78	< 10	70

CERTIFICATION: Stuart Bichler

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

QC Page #: 1-A
Tot QC Pg: 1
Date: 20-AUG-96
Invoice #: I9627615
P.O. #:

NSQA

QC DATA OF CERTIFICATE A9627615

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
G90-1GM	Std1	1	2.8	2.19	74	230	0.5	6	1.03	1.5	16	93	207	3.37	< 10	< 1	0.24	20	0.63	800	7
G90-1GM	Std2	1	2.6	2.05	68	230	0.5	6	0.97	1.0	16	87	209	3.32	< 10	< 1	0.21	10	0.62	800	7
G90-1GM	Std1	2	2.8	2.30	70	250	0.5	6	1.07	1.0	17	98	221	3.55	< 10	< 1	0.24	20	0.67	845	7
G90-1GM	Std2	2	2.6	2.10	72	230	0.5	6	1.00	1.0	16	91	209	3.39	< 10	< 1	0.22	20	0.62	810	7
G90-1GM	Std1	3	2.6	2.17	68	240	0.5	6	1.04	1.0	16	96	216	3.49	< 10	1	0.22	10	0.65	835	7
G90-1GM	Std2	3	2.4	1.98	64	230	0.5	6	0.95	1.0	16	88	212	3.30	< 10	< 1	0.20	10	0.61	795	7
G90-1GM	Std1	4	2.4	2.00	64	230	0.5	4	0.98	1.0	15	97	205	3.18	< 10	1	0.21	10	0.62	755	7
CHEMEX MEAN	---	---	2.9	1.96	66	233	< 0.5	4	0.98	1.0	17	98	222	3.30	< 10	< 1	0.21	15	0.61	819	7
SIO2-B3	Blnk	1	< 0.2	0.10	< 2	10	< 0.5	< 2	0.01	< 0.5	< 1	2	1	0.06	< 10	< 1	0.02	< 10	< 0.01	< 5	< 1
SIO2-B3	Blnk	2	< 0.2	0.09	< 2	10	< 0.5	< 2	0.01	< 0.5	< 1	2	1	0.05	< 10	< 1	0.01	< 10	< 0.01	< 5	< 1
SIO2-B3	Blnk	3	< 0.2	0.08	2	10	< 0.5	< 2	0.06	< 0.5	< 1	2	1	0.06	< 10	< 1	0.01	< 10	< 0.01	< 5	< 1
CHEMEX MEAN	---	---	< 0.2	0.06	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	2	1	0.05	< 10	< 1	< 0.01	< 10	< 0.01	< 5	< 1
103200N 15200E	Dup	1-01	< 0.2	2.12	< 2	130	< 0.5	< 2	0.39	< 0.5	9	56	13	2.98	< 10	< 1	0.12	10	0.82	260	< 1
	Orig	1-01	< 0.2	1.99	2	120	< 0.5	< 2	0.27	< 0.5	8	53	13	2.97	< 10	< 1	0.10	10	0.81	250	< 1
103300N 15500E	Dup	2-01	0.2	4.48	14	170	0.5	2	0.37	< 0.5	20	311	15	4.92	10	< 1	0.73	< 10	2.77	610	< 1
	Orig	2-01	0.2	4.00	10	160	0.5	2	0.36	0.5	19	261	18	4.76	10	1	0.53	10	2.31	545	1
103400N 15950E	Dup	3-01	0.2	1.39	< 2	90	< 0.5	< 2	0.31	< 0.5	6	15	7	2.50	< 10	< 1	0.12	< 10	0.61	235	< 1
	Orig	3-01	< 0.2	1.40	< 2	90	< 0.5	< 2	0.28	< 0.5	7	15	7	2.60	< 10	1	0.12	< 10	0.63	240	< 1
103900N 15350E	Dup	4-01	< 0.2	1.09	< 2	110	< 0.5	< 2	0.33	< 0.5	6	13	7	1.46	< 10	< 1	0.10	< 10	0.43	310	1
	Orig	4-01	< 0.2	1.14	< 2	120	< 0.5	< 2	0.33	< 0.5	6	13	8	1.54	< 10	< 1	0.11	< 10	0.46	330	< 1

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

QC Page #: 1-B
Tot QC Pg: 1
Date: 20-AUG-96
Invoice #: I9627615
P.O. #:
NSQA

QC DATA OF CERTIFICATE A9627615

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
G90-1GM	Std1	1	0.04	74	1000	184	2	5	80	0.11	< 10	40	70	< 10	236
G90-1GM	Std2	1	0.04	73	960	180	2	5	76	0.09	< 10	40	65	< 10	234
G90-1GM	Std1	2	0.04	76	1020	202	2	5	83	0.11	< 10	40	73	< 10	252
G90-1GM	Std2	2	0.04	75	1000	178	2	5	78	0.10	< 10	50	70	< 10	232
G90-1GM	Std1	3	0.04	76	1020	182	2	5	82	0.10	< 10	40	71	< 10	244
G90-1GM	Std2	3	0.04	74	1000	176	2	5	75	0.09	< 10	40	66	< 10	234
G90-1GM	Std1	4	0.03	71	940	174	2	5	81	0.10	< 10	40	67	< 10	232
CHEMEX MEAN	---	---	0.04	75	1000	186	3	5	74	0.10	< 10	33	64	< 10	242
SIO2-B3	Blnk	1	< 0.01	< 1	90	2	< 2	1	34	< 0.01	< 10	< 10	2	< 10	< 2
SIO2-B3	Blnk	2	< 0.01	< 1	80	2	< 2	1	30	< 0.01	< 10	< 10	2	< 10	< 2
SIO2-B3	Blnk	3	0.01	< 1	80	2	< 2	1	29	< 0.01	< 10	< 10	2	< 10	< 2
CHEMEX MEAN	---	---	< 0.01	< 1	94	< 2	< 2	1	34	< 0.01	< 10	< 10	1	< 10	< 2
103200N 15200E	Dup	1-01	< 0.01	21	570	10	< 2	4	33	0.12	< 10	< 10	58	< 10	52
	Orig	1-01	< 0.01	21	580	10	< 2	4	22	0.11	< 10	< 10	54	< 10	52
103300N 15500E	Dup	2-01	< 0.01	110	320	10	< 2	10	27	0.26	< 10	< 10	115	< 10	126
	Orig	2-01	< 0.01	93	360	14	< 2	9	30	0.24	< 10	< 10	110	< 10	124
103400N 15950E	Dup	3-01	< 0.01	6	520	8	2	3	29	0.11	< 10	< 10	56	< 10	66
	Orig	3-01	< 0.01	7	540	8	< 2	2	27	0.11	< 10	< 10	56	< 10	66
103900N 15350E	Dup	4-01	0.01	8	290	8	< 2	1	34	0.06	< 10	< 10	30	< 10	28
	Orig	4-01	0.01	9	310	10	< 2	1	32	0.06	< 10	< 10	31	< 10	32

CERTIFICATION: _____

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

QC Page #: 1-A
Tot QC Pg: 1
Date: 23-AUG-96
Invoice #: I9628303
P.O. #:

NSQA

QC DATA OF CERTIFICATE A9628303

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
G90-1GM	Std1	1	2.6	2.03	68	230	0.5	6	0.98	1.0	16	92	211	3.36	< 10	< 1	0.20	10	0.61	810	5
G90-1GM	Std2	1	2.6	2.10	66	240	0.5	6	1.04	1.5	16	95	202	3.36	< 10	< 1	0.20	10	0.62	820	6
G90-1GM	Std1	2	2.6	2.02	72	240	0.5	6	0.99	1.5	16	94	224	3.50	< 10	< 1	0.20	10	0.63	800	6
G90-1GM	Std2	2	2.8	2.03	82	250	0.5	4	0.97	1.5	17	82	222	3.47	< 10	< 1	0.19	10	0.63	820	6
G90-1GM	Std1	3	3.2	2.13	76	220	0.5	6	0.92	1.5	19	86	231	3.21	< 10	< 1	0.22	10	0.56	905	7
G90-1GM	Std2	3	2.6	1.90	58	230	0.5	6	0.95	1.5	17	82	218	3.34	< 10	< 1	0.18	10	0.61	820	6
CHEMEX MEAN	---	---	2.9	1.96	66	233	< 0.5	4	0.98	1.0	17	98	222	3.30	< 10	< 1	0.21	15	0.61	819	7
SIO2-B3	Blnk	1	< 0.2	0.10	2	10	< 0.5	< 2	0.01	< 0.5	< 1	2	1	0.06	< 10	< 1	0.01	< 10	< 0.01	< 5	< 1
SIO2-B3	Blnk	2	< 0.2	0.06	< 2	10	< 0.5	< 2	0.01	< 0.5	< 1	1	1	0.05	< 10	< 1	0.01	< 10	< 0.01	< 5	< 1
CHEMEX MEAN	---	---	< 0.2	0.06	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	2	1	0.05	< 10	< 1	< 0.01	< 10	< 0.01	< 5	< 1
102600N 14550E	Dup	1-01	< 0.2	1.51	4	150	< 0.5	< 2	0.36	< 0.5	11	75	18	2.21	< 10	< 1	0.07	10	1.07	290	< 1
	Orig	1-01	< 0.2	1.56	2	150	< 0.5	< 2	0.41	< 0.5	10	79	18	2.20	< 10	< 1	0.08	10	1.07	290	< 1
103000N 16050E	Dup	2-01	3.0	5.85	14	460	3.0	2	1.25	7.5	23	61	326	5.84	< 10	< 1	0.34	110	1.20	1740	4
	Orig	2-01	3.0	5.57	8	430	3.0	2	1.20	7.5	22	57	284	5.28	< 10	< 1	0.29	110	1.10	1680	4
104000N 15700E	Dup	3-01	0.2	2.72	12	160	< 0.5	< 2	0.15	< 0.5	18	38	30	4.25	< 10	< 1	0.14	10	0.79	430	1
	Orig	3-01	0.2	2.68	6	160	< 0.5	< 2	0.13	< 0.5	18	37	31	4.41	< 10	< 1	0.12	10	0.81	445	2

CERTIFICATION: Hart Bichler

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

QC Page #: 1-B
Tot QC Pg: 1
Date: 23-AUG-96
Invoice #: I9628303
P.O. #:

NSQA

QC DATA OF CERTIFICATE A9628303

STD/DUP/BLANK DESCRIPTION	QC TYPE	PAGE NO.	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
G90-1GM	Std1	1	0.03	74	1010	188	2	4	75	0.09	< 10	40	66	< 10	238
G90-1GM	Std2	1	0.03	75	990	186	2	4	78	0.09	< 10	40	69	< 10	238
G90-1GM	Std1	2	0.03	74	1040	196	6	4	77	0.09	< 10	40	66	< 10	242
G90-1GM	Std2	2	0.03	79	1060	200	6	4	76	0.08	< 10	40	67	< 10	246
G90-1GM	Std1	3	0.03	76	940	184	2	5	77	0.10	< 10	40	64	< 10	244
G90-1GM	Std2	3	0.03	75	1030	186	2	4	74	0.07	< 10	40	62	< 10	246
CHEMEX MEAN	---	---	0.04	75	1000	186	3	5	74	0.10	< 10	33	64	< 10	242
SIO2-B3	Blnk	1	< 0.01	< 1	90	2	< 2	1	35	< 0.01	< 10	< 10	2	< 10	< 2
SIO2-B3	Blnk	2	< 0.01	< 1	70	< 2	< 2	1	22	< 0.01	< 10	< 10	2	< 10	< 2
CHEMEX MEAN	---	---	< 0.01	< 1	94	< 2	< 2	1	34	< 0.01	< 10	< 10	1	< 10	< 2
102600N 14550E	Dup	1-01	0.01	41	520	8	< 2	4	18	0.07	< 10	< 10	48	< 10	48
	Orig	1-01	0.01	42	510	10	< 2	4	20	0.08	< 10	< 10	50	< 10	48
103000N 16050E	Dup	2-01	< 0.01	49	1820	258	< 2	13	78	0.06	< 10	20	86	< 10	1030
	Orig	2-01	< 0.01	47	1500	236	< 2	10	73	0.04	< 10	20	82	< 10	954
104000N 15700E	Dup	3-01	< 0.01	29	450	16	2	4	19	0.08	< 10	< 10	84	< 10	72
	Orig	3-01	< 0.01	29	480	16	2	3	16	0.07	< 10	< 10	80	< 10	72

CERTIFICATION: Hart Bichler

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: COLUMBIA GOLD MINES
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9628906

Comments: Attn: Wayne Roberts CC: Doug Blanchflower

CERTIFICATE A9628906

(NSQA) - COLUMBIA GOLD MINES

Project: FYRE LAKE
P.O. # :

Samples submitted to our lab in Sparks, NV.
This report was printed on 3-SEP-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	54	Dry, sieve to -80 mesh
229	54	ICP - AQ Digestion charge
* NOTE	1:	

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	54	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	54	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	54	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	54	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	54	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	54	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	54	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	54	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	54	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	54	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	54	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	54	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	54	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	54	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	54	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	54	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	54	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	54	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	54	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	54	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	54	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	54	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	54	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	54	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	54	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	54	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	54	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	54	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	54	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	54	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	54	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	54	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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

To: COLUMBIA GOLD MINES *
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : FYRE LAKE
Comments: Attn: Wayne Roberts CC: Doug Blanchflower

Page Number :1-A
Total Pages :2
Certificate Date: 03-SEP-96
Invoice No. :19628906
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9628906

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
102600N+14700E	201	229	< 0.2	2.43	< 2	80	< 0.5	< 2	0.10	< 0.5	7	82	11	3.26	< 10	< 1	0.06	< 10	0.65	230	1
102600N+14750E	201	229	< 0.2	2.07	< 2	150	< 0.5	< 2	0.11	< 0.5	8	100	9	3.18	10	< 1	0.19	< 10	0.85	360	1
102600N+14800E	201	229	< 0.2	3.18	< 2	110	1.0	< 2	0.13	< 0.5	9	90	17	3.64	< 10	< 1	0.07	10	0.80	330	2
102600N+14850E	201	229	< 0.2	2.74	< 2	110	0.5	< 2	0.14	< 0.5	9	82	12	3.76	10	< 1	0.10	10	0.81	255	1
102600N+14900E	201	229	< 0.2	3.34	< 2	80	0.5	< 2	0.15	< 0.5	6	78	16	3.59	< 10	< 1	0.08	10	0.63	400	1
102600N+14950E	201	229	0.2	1.32	< 2	310	0.5	< 2	0.24	< 0.5	6	39	52	1.36	< 10	< 1	0.07	10	0.16	3170	3
102600N+15100E	201	229	0.2	2.79	2	110	0.5	< 2	0.22	< 0.5	9	48	12	3.76	< 10	< 1	0.08	< 10	0.89	300	< 1
102600N+15150E	201	229	< 0.2	1.55	< 2	70	< 0.5	< 2	0.27	< 0.5	5	39	4	1.80	< 10	< 1	0.07	< 10	0.64	170	< 1
102600N+15200E	201	229	< 0.2	1.58	< 2	90	< 0.5	< 2	0.22	< 0.5	7	60	7	1.94	< 10	< 1	0.09	< 10	0.63	170	< 1
102600N+15250E	201	229	< 0.2	1.57	< 2	90	< 0.5	< 2	0.26	< 0.5	7	63	9	2.03	< 10	< 1	0.07	< 10	0.72	200	< 1
102600N+15300E	201	229	< 0.2	1.23	< 2	50	< 0.5	< 2	0.48	< 0.5	12	40	13	2.06	< 10	< 1	0.07	< 10	1.28	390	< 1
102600N+15350E	201	229	0.4	0.47	< 2	80	< 0.5	< 2	0.78	0.5	5	32	49	0.68	< 10	< 1	0.03	< 10	0.16	350	< 1
102600N+15400E	201	229	2.2	2.59	24	320	1.5	< 2	1.52	1.5	29	111	329	3.25	< 10	< 1	0.12	60	0.91	1150	1
102600N+15450E	201	229	0.6	0.59	< 2	110	< 0.5	< 2	1.17	< 0.5	1	4	66	0.35	< 10	< 1	0.01	20	0.05	95	< 1
102600N+15500E	201	229	< 0.2	3.29	14	160	< 0.5	< 2	0.71	< 0.5	10	181	40	3.98	10	< 1	0.03	10	3.54	210	< 1
102600N+15550E	201	229	0.2	3.96	< 2	120	1.0	6	0.22	< 0.5	18	39	21	6.28	10	< 1	0.17	< 10	1.50	615	1
102600N+15600E	201	229	< 0.2	1.96	< 2	140	< 0.5	2	0.40	2.0	10	29	27	3.23	< 10	< 1	0.19	10	0.86	375	1
102600N+15650E	201	229	< 0.2	1.19	< 2	120	< 0.5	< 2	0.48	< 0.5	7	11	14	1.57	< 10	< 1	0.17	10	0.64	330	1
102600N+15700E	201	229	< 0.2	1.67	< 2	70	< 0.5	< 2	0.37	< 0.5	8	14	7	2.34	< 10	< 1	0.17	< 10	0.78	330	< 1
102600N+15750E	201	229	< 0.2	1.62	< 2	60	< 0.5	< 2	0.40	< 0.5	9	16	11	2.22	< 10	< 1	0.19	< 10	0.85	365	< 1
102600N+15800E	201	229	0.2	1.52	< 2	60	< 0.5	< 2	0.25	< 0.5	7	17	7	2.29	< 10	< 1	0.15	< 10	0.67	270	< 1
102600N+15850E	201	229	0.2	1.53	< 2	100	< 0.5	< 2	0.33	0.5	7	17	7	2.39	< 10	< 1	0.15	< 10	0.67	300	< 1
102600N+15900E	201	229	< 0.2	1.51	< 2	70	< 0.5	< 2	0.23	0.5	7	15	6	2.80	< 10	< 1	0.10	< 10	0.64	300	< 1
102600N+15950E	201	229	< 0.2	1.76	< 2	60	< 0.5	< 2	0.16	0.5	9	29	44	2.99	< 10	< 1	0.11	< 10	0.97	335	1
102600N+16000E	201	229	0.2	1.57	< 2	70	< 0.5	< 2	0.12	< 0.5	7	18	14	2.80	< 10	< 1	0.07	< 10	0.52	230	< 1
102600N+16050E	201	229	< 0.2	1.22	< 2	60	< 0.5	< 2	0.18	< 0.5	6	13	7	2.50	< 10	< 1	0.08	< 10	0.49	260	1
102600N+16100E	201	229	< 0.2	1.59	< 2	130	< 0.5	< 2	0.19	1.5	4	11	9	2.37	< 10	< 1	0.09	< 10	0.27	425	< 1
102700N+14650E	201	229	< 0.2	1.85	2	210	0.5	< 2	0.73	< 0.5	13	101	28	2.43	< 10	< 1	0.10	10	1.36	495	< 1
102700N+14700E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
102700N+14750E	201	229	< 0.2	1.73	< 2	100	< 0.5	< 2	0.32	< 0.5	7	61	8	2.30	< 10	< 1	0.08	10	0.74	220	< 1
102700N+14800E	201	229	< 0.2	1.57	< 2	80	< 0.5	< 2	0.32	< 0.5	7	58	11	1.72	< 10	< 1	0.07	10	0.70	190	< 1
102700N+14950E	201	229	< 0.2	1.47	< 2	70	< 0.5	< 2	0.20	< 0.5	7	96	8	2.32	< 10	< 1	0.06	10	0.57	175	< 1
102700N+15000E	201	229	0.2	1.22	< 2	110	< 0.5	< 2	0.19	< 0.5	18	54	14	2.07	< 10	< 1	0.11	10	0.48	635	< 1
102700N+15050E	201	229	< 0.2	2.37	< 2	110	0.5	< 2	0.35	< 0.5	8	47	6	2.67	< 10	< 1	0.08	< 10	0.66	285	< 1
102700N+15100E	201	229	< 0.2	1.92	< 2	120	< 0.5	< 2	0.26	< 0.5	9	77	11	2.63	< 10	< 1	0.16	10	0.57	445	2
102700N+15150E	201	229	< 0.2	1.70	< 2	130	< 0.5	< 2	0.33	0.5	25	57	10	2.77	< 10	< 1	0.20	< 10	0.78	1620	< 1
102700N+15200E	201	229	< 0.2	1.32	< 2	70	< 0.5	2	0.37	< 0.5	5	58	3	1.61	< 10	< 1	0.08	10	0.62	180	< 1
102900N+14400E	201	229	< 0.2	1.64	< 2	210	< 0.5	2	0.68	0.5	12	87	25	2.21	< 10	< 1	0.07	10	1.26	385	< 1
102900N+14450E	201	229	< 0.2	0.95	< 2	60	< 0.5	< 2	0.36	< 0.5	8	63	11	1.53	< 10	< 1	0.06	10	0.58	250	< 1
102900N+14500E	201	229	< 0.2	1.50	4	100	< 0.5	< 2	0.38	< 0.5	11	77	14	2.24	< 10	< 1	0.09	10	0.91	380	< 1

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: COLUMBIA GOLD MINES
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V6B 1N2

Project : FYRE LAKE
Comments: Attn: Wayne Roberts CC: Doug Blanchflower

Certificate Date: 03-SEP-96
Invoice No. : I9628906
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9628906

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
102600N+14700E	201	229	< 0.01	25	380	6	6	4	5	0.12	< 10	< 10	77	< 10	64
102600N+14750E	201	229	< 0.01	31	500	6	8	4	5	0.14	< 10	< 10	83	< 10	90
102600N+14800E	201	229	< 0.01	34	750	12	< 2	5	6	0.12	< 10	< 10	81	< 10	80
102600N+14850E	201	229	< 0.01	24	610	6	8	5	5	0.14	< 10	< 10	89	< 10	62
102600N+14900E	201	229	< 0.01	19	1000	4	6	4	7	0.12	< 10	< 10	77	< 10	56
102600N+14950E	201	229	0.01	23	1100	6	< 2	< 1	25	0.01	< 10	< 10	29	< 10	50
102600N+15100E	201	229	< 0.01	19	920	12	4	4	15	0.13	< 10	< 10	71	< 10	82
102600N+15150E	201	229	< 0.01	12	170	8	< 2	3	16	0.11	< 10	< 10	41	< 10	30
102600N+15200E	201	229	< 0.01	24	180	8	2	3	12	0.09	< 10	< 10	43	< 10	38
102600N+15250E	201	229	< 0.01	27	350	6	< 2	3	15	0.08	< 10	< 10	42	< 10	38
102600N+15300E	201	229	< 0.01	43	430	2	6	2	23	0.09	< 10	< 10	35	< 10	44
102600N+15350E	201	229	0.03	92	280	< 2	6	< 1	33	0.01	< 10	< 10	14	< 10	18
102600N+15400E	201	229	0.01	1450	980	16	6	7	70	0.04	< 10	10	73	< 10	138
102600N+15450E	201	229	0.03	14	620	< 2	< 2	< 1	48	0.01	< 10	< 10	8	< 10	8
102600N+15500E	201	229	< 0.01	100	1410	10	14	6	28	0.08	< 10	< 10	239	< 10	242
102600N+15550E	201	229	< 0.01	17	380	8	8	7	17	0.04	< 10	< 10	125	< 10	84
102600N+15600E	201	229	< 0.01	11	260	20	4	4	33	0.07	< 10	< 10	67	< 10	136
102600N+15650E	201	229	< 0.01	6	400	10	2	3	35	0.08	< 10	< 10	28	< 10	50
102600N+15700E	201	229	< 0.01	5	220	12	2	3	35	0.11	< 10	< 10	41	< 10	54
102600N+15750E	201	229	< 0.01	7	290	10	6	3	36	0.12	< 10	< 10	39	< 10	54
102600N+15800E	201	229	< 0.01	6	270	12	2	2	24	0.11	< 10	< 10	37	< 10	54
102600N+15850E	201	229	< 0.01	6	450	22	2	3	33	0.10	< 10	< 10	39	< 10	86
102600N+15900E	201	229	< 0.01	6	330	18	2	2	26	0.11	< 10	< 10	40	< 10	70
102600N+15950E	201	229	< 0.01	15	250	26	4	2	20	0.10	< 10	< 10	55	< 10	110
102600N+16000E	201	229	< 0.01	8	550	10	< 2	1	11	0.07	< 10	< 10	42	< 10	100
102600N+16050E	201	229	< 0.01	6	280	14	10	1	16	0.09	< 10	< 10	39	< 10	74
102600N+16100E	201	229	< 0.01	4	390	48	2	2	22	0.05	< 10	< 10	48	< 10	306
102700N+14650E	201	229	0.02	59	670	8	2	5	32	0.08	< 10	< 10	50	< 10	64
102700N+14700E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
102700N+14750E	201	229	< 0.01	31	330	6	2	3	22	0.10	< 10	< 10	47	< 10	36
102700N+14800E	201	229	< 0.01	30	500	4	8	3	19	0.08	< 10	< 10	37	< 10	34
102700N+14950E	201	229	< 0.01	21	250	12	6	3	17	0.14	< 10	< 10	67	< 10	48
102700N+15000E	201	229	< 0.01	17	330	10	6	2	18	0.10	< 10	< 10	52	< 10	58
102700N+15050E	201	229	< 0.01	14	280	8	6	4	33	0.10	< 10	< 10	48	< 10	58
102700N+15100E	201	229	< 0.01	19	460	10	2	3	24	0.12	< 10	< 10	72	< 10	54
102700N+15150E	201	229	< 0.01	18	810	8	2	3	31	0.12	< 10	< 10	64	< 10	76
102700N+15200E	201	229	< 0.01	15	190	6	6	3	29	0.13	< 10	< 10	51	< 10	32
102900N+14400E	201	229	0.01	54	480	6	6	4	32	0.06	< 10	< 10	44	< 10	54
102900N+14450E	201	229	< 0.01	26	960	8	2	3	14	0.05	< 10	< 10	32	< 10	32
102900N+14500E	201	229	0.01	33	790	4	8	4	18	0.08	< 10	< 10	49	< 10	48

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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CERTIFICATE OF ANALYSIS A9628906

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
102900N+14550E	201	229	< 0.2	1.99	< 2	100	< 0.5	< 2	0.35	< 0.5	11	89	14	2.61	< 10	< 1	0.08	10	0.92	510	1
102900N+14600E	201	229	< 0.2	1.87	< 2	160	< 0.5	< 2	0.48	< 0.5	11	113	17	2.73	< 10	< 1	0.11	10	1.19	700	< 1
102900N+14650E	201	229	< 0.2	1.51	< 2	110	< 0.5	2	0.39	< 0.5	9	74	18	2.00	< 10	< 1	0.10	10	0.99	310	< 1
102900N+14700E	201	229	< 0.2	1.69	< 2	90	0.5	< 2	0.29	< 0.5	8	66	18	1.92	< 10	< 1	0.06	10	0.89	220	< 1
102900N+14750E	201	229	< 0.2	1.76	< 2	60	< 0.5	< 2	0.18	< 0.5	6	53	7	2.54	< 10	< 1	0.05	< 10	0.68	180	< 1
102900N+14800E	201	229	< 0.2	1.23	< 2	50	< 0.5	< 2	0.18	< 0.5	5	46	8	1.82	< 10	< 1	0.05	< 10	0.59	160	< 1
102900N+14850E	201	229	< 0.2	1.45	< 2	110	< 0.5	< 2	0.44	< 0.5	7	59	8	2.36	< 10	< 1	0.08	< 10	0.78	230	< 1
102900N+14900E	201	229	< 0.2	2.18	< 2	130	< 0.5	< 2	0.32	< 0.5	9	66	14	2.31	< 10	< 1	0.08	10	0.93	220	< 1
102900N+14950E	201	229	0.2	1.84	< 2	70	< 0.5	< 2	0.37	< 0.5	6	48	7	2.26	< 10	< 1	0.08	10	0.76	200	< 1
102900N+15000E	201	229	< 0.2	1.80	< 2	50	< 0.5	2	0.33	< 0.5	6	40	8	2.73	< 10	< 1	0.08	10	0.66	210	< 1
102900N+15050E	201	229	< 0.2	2.30	< 2	100	0.5	2	0.39	< 0.5	8	54	11	2.61	< 10	< 1	0.09	10	0.82	270	< 1
102900N+15100E	201	229	< 0.2	1.65	< 2	90	< 0.5	< 2	0.36	< 0.5	7	49	7	2.20	< 10	< 1	0.09	10	0.66	200	< 1
102900N+15150E	201	229	< 0.2	1.55	< 2	110	< 0.5	< 2	0.34	< 0.5	8	91	6	2.03	< 10	< 1	0.14	10	0.88	250	< 1
102900N+15200E	201	229	< 0.2	2.04	< 2	110	< 0.5	< 2	0.49	< 0.5	9	62	11	2.39	< 10	< 1	0.12	10	0.91	260	< 1
103000N+14700E	201	229	< 0.2	1.71	< 2	50	< 0.5	< 2	0.30	< 0.5	4	48	7	2.21	< 10	< 1	0.06	10	0.56	155	< 1

CERTIFICATION:

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
102900N+14550E	201	229	0.03	32	550	8	< 2	4	17	0.11	< 10	< 10	65	< 10	54
102900N+14600E	201	229	0.01	43	830	8	< 2	5	24	0.10	< 10	< 10	70	< 10	70
102900N+14650E	201	229	0.01	38	540	6	< 2	4	22	0.09	< 10	< 10	44	< 10	46
102900N+14700E	201	229	< 0.01	35	580	6	< 2	4	15	0.08	< 10	< 10	42	< 10	38
102900N+14750E	201	229	< 0.01	20	460	8	< 2	3	12	0.08	< 10	< 10	51	< 10	42
102900N+14800E	201	229	< 0.01	21	570	4	< 2	2	10	0.05	< 10	< 10	36	< 10	28
102900N+14850E	201	229	< 0.01	26	620	6	< 2	3	42	0.08	< 10	< 10	51	< 10	46
102900N+14900E	201	229	< 0.01	33	340	8	< 2	4	21	0.11	< 10	< 10	54	< 10	50
102900N+14950E	201	229	< 0.01	19	490	8	< 2	4	24	0.10	< 10	< 10	49	< 10	38
102900N+15000E	201	229	< 0.01	14	370	8	< 2	3	26	0.11	< 10	< 10	55	< 10	34
102900N+15050E	201	229	< 0.01	23	360	8	< 2	4	35	0.11	< 10	< 10	51	< 10	42
102900N+15100E	201	229	< 0.01	21	310	4	< 2	4	29	0.10	< 10	< 10	50	< 10	38
102900N+15150E	201	229	< 0.01	24	340	8	< 2	4	25	0.12	< 10	< 10	56	< 10	46
102900N+15200E	201	229	< 0.01	34	250	8	< 2	4	40	0.12	< 10	< 10	51	< 10	42
103000N+14700E	201	229	< 0.01	18	540	6	2	3	20	0.09	< 10	< 10	50	< 10	30

CERTIFICATION:

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To: COLUMBIA GOLD MINES
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1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9628303

Comments: CC:DOUG BLANCHFLOWER

CERTIFICATE A9628303

(NSQA) - COLUMBIA GOLD MINES

Project: YUKON-FYRE LAKE
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 23-AUG-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	107	Dry, sieve to -80 mesh
202	107	save reject
229	107	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	107	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	107	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	107	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	107	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	107	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	107	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	107	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	107	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	107	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	107	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	107	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	107	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	107	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	107	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	107	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	107	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	107	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	107	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	107	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	107	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	107	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	107	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	107	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	107	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	107	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	107	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	107	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	107	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	107	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	107	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	107	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	107	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 23-AUG-96
Invoice No. :I9628303
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9628303

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
102600N 14550E	201	202	< 0.2	1.56	2	150	< 0.5	< 2	0.41	< 0.5	10	79	18	2.20	< 10	< 1	0.08	10	1.07	290	< 1
102800N 14600E	201	202	< 0.2	1.82	8	210	0.5	< 2	0.50	< 0.5	11	88	26	2.44	< 10	< 1	0.09	20	1.12	390	< 1
102800N 14650E	201	202	< 0.2	1.34	2	150	< 0.5	< 2	0.40	< 0.5	9	69	14	2.04	< 10	< 1	0.13	10	1.08	300	1
102800N 14700E	201	202	< 0.2	1.38	< 2	80	< 0.5	< 2	0.33	< 0.5	8	59	12	1.82	< 10	< 1	0.08	10	0.75	215	< 1
102800N 14750E	201	202	0.2	2.39	4	110	0.5	< 2	0.22	< 0.5	8	80	10	3.32	< 10	< 1	0.08	< 10	0.76	195	< 1
102800N 14800E	201	202	< 0.2	1.50	4	80	< 0.5	< 2	0.28	< 0.5	6	59	9	1.87	< 10	< 1	0.07	10	0.66	165	< 1
102800N 14850E	201	202	0.2	1.58	< 2	190	< 0.5	< 2	0.39	< 0.5	7	68	9	2.06	< 10	< 1	0.14	10	0.88	350	1
102800N 14900E	201	202	< 0.2	2.06	2	110	< 0.5	2	0.23	< 0.5	8	67	18	2.91	< 10	< 1	0.06	< 10	0.72	215	< 1
102800N 14950E	201	202	< 0.2	2.58	4	120	0.5	< 2	0.21	0.5	8	71	9	2.45	< 10	< 1	0.07	< 10	0.63	205	< 1
102800N 15000E	201	202	0.2	1.81	6	160	< 0.5	< 2	0.36	< 0.5	10	63	22	2.43	< 10	< 1	0.16	10	1.08	425	< 1
102800N 15050E	201	202	0.2	1.98	2	100	< 0.5	< 2	0.18	< 0.5	6	52	6	2.50	< 10	< 1	0.05	< 10	0.64	175	< 1
102800N 15100E	201	202	< 0.2	1.56	6	100	< 0.5	< 2	0.35	< 0.5	9	65	15	2.05	< 10	< 1	0.11	10	1.03	255	< 1
102800N 15150E	201	202	0.2	1.98	2	200	< 0.5	< 2	0.25	0.5	11	43	11	3.18	< 10	< 1	0.11	< 10	0.97	295	< 1
102800N 15200E	201	202	0.2	1.98	6	100	< 0.5	< 2	0.23	< 0.5	8	59	7	2.47	< 10	< 1	0.07	< 10	0.73	195	< 1
103000N 14400E	201	202	< 0.2	1.56	< 2	90	< 0.5	< 2	0.27	< 0.5	8	64	14	2.14	< 10	< 1	0.06	10	0.88	275	< 1
103000N 14450E	201	202	< 0.2	2.54	4	50	< 0.5	< 2	0.16	< 0.5	7	86	9	3.92	10	< 1	0.04	< 10	0.61	310	1
103000N 14500E	201	202	< 0.2	2.01	2	140	< 0.5	< 2	0.27	< 0.5	12	89	11	3.13	< 10	1	0.18	< 10	1.04	1140	1
103000N 14600E	201	202	< 0.2	1.51	8	100	< 0.5	< 2	0.27	< 0.5	8	78	15	1.97	< 10	< 1	0.08	10	0.84	215	< 1
103000N 14650E	201	202	< 0.2	1.34	2	70	< 0.5	< 2	0.25	< 0.5	5	44	6	1.32	< 10	< 1	0.07	10	0.52	120	< 1
103000N 14800E	201	202	< 0.2	1.86	8	50	< 0.5	2	0.24	< 0.5	8	62	9	3.52	< 10	< 1	0.07	< 10	0.70	245	< 1
103000N 14850E	201	202	< 0.2	1.27	2	40	< 0.5	< 2	0.23	< 0.5	6	37	6	2.37	< 10	< 1	0.05	< 10	0.59	195	< 1
103000N 14900E	201	202	0.2	1.33	< 2	50	< 0.5	< 2	0.20	< 0.5	5	20	5	2.63	< 10	< 1	0.07	< 10	0.37	165	< 1
103000N 14950E	201	202	< 0.2	1.78	2	50	< 0.5	< 2	0.22	< 0.5	7	29	10	3.12	< 10	< 1	0.11	< 10	0.67	495	< 1
103000N 15000E	201	202	< 0.2	1.60	4	50	< 0.5	2	0.22	< 0.5	7	63	10	2.66	< 10	< 1	0.05	10	0.75	190	< 1
103000N 15050E	201	202	< 0.2	1.60	8	50	< 0.5	< 2	0.14	< 0.5	6	51	10	3.62	< 10	< 1	0.05	< 10	0.55	210	< 1
103000N 15100E	201	202	< 0.2	1.17	2	50	< 0.5	< 2	0.17	< 0.5	4	35	5	1.64	< 10	< 1	0.06	< 10	0.48	160	< 1
103000N 15150E	201	202	0.2	1.62	< 2	60	< 0.5	2	0.20	< 0.5	9	26	16	2.87	< 10	< 1	0.13	< 10	0.80	320	< 1
103000N 15200E	201	202	< 0.2	2.02	2	120	< 0.5	< 2	0.27	< 0.5	9	64	10	2.95	< 10	< 1	0.10	< 10	0.92	275	< 1
103000N 15250E	201	202	< 0.2	1.45	< 2	100	< 0.5	< 2	0.34	< 0.5	8	59	13	1.92	< 10	< 1	0.12	< 10	0.98	285	< 1
103000N 15300E	201	202	0.2	2.49	12	110	< 0.5	< 2	0.57	< 0.5	12	69	34	3.10	< 10	< 1	0.12	10	1.82	365	< 1
103000N 15350E	201	202	0.6	3.43	20	300	0.5	2	0.13	0.5	25	135	113	5.37	< 10	< 1	0.12	10	1.84	1010	2
103000N 15500E	201	202	0.2	4.16	16	150	0.5	4	0.25	0.5	17	162	24	5.31	10	1	0.43	< 10	1.97	625	< 1
103000N 15600E	201	202	0.2	2.33	6	150	0.5	2	0.23	1.5	10	42	23	4.18	< 10	< 1	0.14	10	0.97	365	4
103000N 15650E	201	202	0.6	1.90	6	130	0.5	< 2	0.88	0.5	9	21	55	2.35	< 10	< 1	0.19	60	0.89	425	1
103000N 15700E	201	202	< 0.2	1.75	< 2	100	< 0.5	< 2	0.38	0.5	9	17	29	2.18	< 10	< 1	0.12	40	0.86	325	1
103000N 15750E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
103000N 15800E	201	202	< 0.2	1.37	< 2	90	< 0.5	< 2	0.62	0.5	6	13	7	1.85	< 10	< 1	0.12	< 10	0.70	265	2
103000N 15900E	201	202	0.6	1.45	< 2	130	< 0.5	< 2	1.16	10.0	14	21	116	1.97	< 10	< 1	0.13	10	0.51	825	6
103000N 15950E	201	202	0.2	3.42	2	170	0.5	< 2	0.97	0.5	20	44	73	4.52	< 10	< 1	0.72	10	1.90	840	< 1
103000N 16000E	201	202	< 0.2	1.70	6	120	< 0.5	2	0.32	1.0	9	17	12	2.67	< 10	< 1	0.16	< 10	0.71	330	5

CERTIFICATION: Ian Bichler

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To: COLUMBIA GOLD MINES **
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VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 23-AUG-96
Invoice No. :19628303
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9628303

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
102600N 14550E	201	202	0.01	42	510	10	< 2	4	20	0.08	< 10	< 10	50	< 10	48
102800N 14600E	201	202	0.02	51	730	8	< 2	5	25	0.09	< 10	< 10	57	< 10	56
102800N 14650E	201	202	0.01	44	520	8	< 2	4	19	0.07	< 10	< 10	46	< 10	50
102800N 14700E	201	202	< 0.01	36	760	6	< 2	3	20	0.08	< 10	< 10	38	< 10	36
102800N 14750E	201	202	< 0.01	30	570	10	< 2	4	17	0.10	< 10	< 10	63	< 10	44
102800N 14800E	201	202	< 0.01	20	340	8	< 2	3	19	0.09	< 10	< 10	48	< 10	34
102800N 14850E	201	202	< 0.01	23	270	6	< 2	4	28	0.11	< 10	< 10	53	< 10	60
102800N 14900E	201	202	< 0.01	22	600	8	< 2	3	19	0.10	< 10	< 10	66	< 10	46
102800N 14950E	201	202	< 0.01	24	480	8	2	3	19	0.09	< 10	< 10	50	< 10	72
102800N 15000E	201	202	0.01	36	280	12	< 2	3	27	0.09	< 10	< 10	50	< 10	54
102800N 15050E	201	202	< 0.01	19	360	6	< 2	3	14	0.08	< 10	< 10	45	< 10	38
102800N 15100E	201	202	< 0.01	36	630	8	< 2	3	19	0.08	< 10	< 10	45	< 10	42
102800N 15150E	201	202	< 0.01	27	1090	14	< 2	3	25	0.09	< 10	< 10	53	< 10	74
102800N 15200E	201	202	< 0.01	25	300	8	2	3	20	0.09	< 10	< 10	48	< 10	40
103000N 14400E	201	202	< 0.01	31	640	8	< 2	4	14	0.08	< 10	< 10	49	< 10	50
103000N 14450E	201	202	< 0.01	21	520	12	< 2	4	10	0.14	< 10	< 10	109	< 10	50
103000N 14500E	201	202	< 0.01	29	570	8	< 2	5	13	0.15	< 10	< 10	94	< 10	72
103000N 14600E	201	202	0.01	37	430	6	< 2	3	16	0.09	< 10	< 10	45	< 10	42
103000N 14650E	201	202	< 0.01	14	340	10	< 2	2	17	0.09	< 10	< 10	37	< 10	26
103000N 14800E	201	202	< 0.01	17	490	8	< 2	3	19	0.12	< 10	< 10	64	< 10	42
103000N 14850E	201	202	< 0.01	13	700	6	< 2	2	17	0.06	< 10	< 10	48	< 10	30
103000N 14900E	201	202	< 0.01	7	550	8	< 2	2	21	0.09	< 10	< 10	56	< 10	28
103000N 14950E	201	202	< 0.01	9	1300	14	< 2	2	21	0.08	< 10	< 10	56	< 10	50
103000N 15000E	201	202	< 0.01	24	740	8	< 2	3	14	0.07	< 10	< 10	48	< 10	40
103000N 15050E	201	202	< 0.01	18	1760	8	2	3	12	0.08	< 10	< 10	74	< 10	42
103000N 15100E	201	202	< 0.01	11	470	6	< 2	1	14	0.07	< 10	< 10	35	< 10	32
103000N 15150E	201	202	< 0.01	10	740	10	< 2	2	19	0.12	< 10	< 10	54	< 10	62
103000N 15200E	201	202	< 0.01	29	380	10	< 2	3	20	0.09	< 10	< 10	51	< 10	50
103000N 15250E	201	202	< 0.01	29	450	10	< 2	3	22	0.08	< 10	< 10	44	< 10	46
103000N 15300E	201	202	< 0.01	60	500	12	< 2	4	34	0.13	< 10	< 10	62	< 10	68
103000N 15350E	201	202	0.01	121	610	10	< 2	10	21	0.05	< 10	< 10	112	< 10	122
103000N 15500E	201	202	< 0.01	53	330	12	2	9	18	0.27	< 10	< 10	114	< 10	110
103000N 15600E	201	202	< 0.01	17	300	52	< 2	4	22	0.11	< 10	< 10	86	< 10	194
103000N 15650E	201	202	< 0.01	11	660	20	< 2	4	54	0.08	< 10	10	39	< 10	98
103000N 15700E	201	202	< 0.01	8	250	18	< 2	3	35	0.09	< 10	10	37	< 10	68
103000N 15750E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
103000N 15800E	201	202	< 0.01	5	100	14	< 2	3	46	0.12	< 10	< 10	39	< 10	52
103000N 15900E	201	202	0.01	11	660	88	< 2	2	58	0.07	< 10	10	44	< 10	200
103000N 15950E	201	202	< 0.01	24	550	24	< 2	4	58	0.21	< 10	< 10	74	< 10	140
103000N 16000E	201	202	< 0.01	6	240	24	2	3	32	0.13	< 10	< 10	65	< 10	104

CERTIFICATION: Ian Buchler

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Project : YUKON-FYRE LAKE
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Page Number :2-A
Total Pages :3
Certificate Date: 23-AUG-96
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CERTIFICATE OF ANALYSIS A9628303

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
103000N 16050E	201	202	3.0	5.57	8	430	3.0	2	1.20	7.5	22	57	284	5.28	< 10	< 1	0.29	110	1.10	1680	4
103000N 16100E	201	202	< 0.2	0.93	2	70	< 0.5	< 2	0.18	< 0.5	3	9	5	1.07	< 10	< 1	0.06	< 10	0.27	135	< 1
103000N 16150E	201	202	0.2	1.44	8	70	< 0.5	2	0.11	0.5	6	23	10	3.51	< 10	< 1	0.06	< 10	0.42	235	1
103000N 16200E	201	202	0.6	4.71	6	240	0.5	4	1.24	0.5	24	22	83	5.84	10	< 1	0.17	30	3.34	1640	3
103100N 14400E	201	202	< 0.2	1.99	12	240	< 0.5	< 2	0.90	0.5	12	98	29	2.55	< 10	< 1	0.09	10	1.40	420	< 1
103100N 14450E	201	202	0.2	2.01	< 2	250	0.5	2	0.23	0.5	10	74	13	3.35	10	< 1	0.11	10	0.80	535	1
103100N 14550E	201	202	0.4	1.90	6	100	0.5	< 2	0.10	< 0.5	13	48	25	2.94	< 10	< 1	0.09	10	0.65	970	4
103100N 14600E	201	202	0.4	2.14	2	80	< 0.5	< 2	0.26	< 0.5	6	48	9	2.45	< 10	< 1	0.05	10	0.58	175	< 1
103100N 14850E	201	202	< 0.2	1.77	6	50	< 0.5	2	0.24	< 0.5	7	60	8	2.40	< 10	1	0.05	10	0.65	225	< 1
103100N 14900E	201	202	0.6	2.33	2	90	0.5	< 2	0.23	< 0.5	12	64	22	3.72	< 10	< 1	0.11	10	0.87	785	2
103100N 14950E	201	202	< 0.2	2.18	8	80	< 0.5	< 2	0.24	< 0.5	8	66	12	2.47	< 10	< 1	0.06	10	0.70	215	< 1
103100N 15000E	201	202	0.2	3.11	8	110	0.5	2	0.19	< 0.5	10	100	20	3.25	< 10	< 1	0.06	10	1.08	270	1
103100N 15050E	201	202	< 0.2	1.11	< 2	60	< 0.5	< 2	0.13	< 0.5	4	33	5	1.86	< 10	< 1	0.05	< 10	0.35	245	< 1
103100N 15100E	201	202	< 0.2	1.21	< 2	40	< 0.5	< 2	0.16	< 0.5	5	47	5	1.87	< 10	< 1	0.04	< 10	0.44	140	< 1
103100N 15150E	201	202	0.2	1.35	< 2	50	< 0.5	< 2	0.15	< 0.5	4	35	6	1.85	< 10	< 1	0.05	< 10	0.43	165	< 1
103100N 15200E	201	202	0.4	1.92	6	100	< 0.5	< 2	0.22	0.5	8	46	8	2.94	< 10	< 1	0.08	< 10	0.67	260	< 1
103100N 15250E	201	202	0.2	2.23	< 2	60	< 0.5	< 2	0.26	< 0.5	13	23	13	4.59	< 10	< 1	0.19	< 10	1.13	690	1
103100N 15300E	201	202	0.2	1.89	16	110	< 0.5	< 2	0.80	< 0.5	17	49	32	3.06	< 10	< 1	0.09	10	1.64	570	1
103100N 15350E	201	202	0.8	2.92	16	750	0.5	< 2	0.09	2.0	19	115	78	5.22	< 10	< 1	0.44	10	1.13	1960	3
103100N 15400E	201	202	< 0.2	2.36	2	150	< 0.5	< 2	0.22	< 0.5	12	114	28	3.19	< 10	< 1	0.12	10	1.18	365	1
103100N 15600E	201	202	0.4	2.19	10	240	< 0.5	2	1.00	2.5	11	24	75	2.79	< 10	< 1	0.20	20	1.02	620	3
103100N 15650E	201	202	< 0.2	1.29	2	90	< 0.5	< 2	0.49	0.5	7	21	15	1.97	< 10	< 1	0.11	< 10	0.64	260	3
103100N 15700E	201	202	0.2	0.99	6	110	< 0.5	< 2	0.35	< 0.5	4	14	11	1.60	< 10	< 1	0.13	< 10	0.49	200	2
103100N 15750E	201	202	0.6	1.86	< 2	170	0.5	< 2	1.03	< 0.5	12	17	53	2.57	< 10	< 1	0.18	50	0.87	845	4
103100N 15800E	201	202	0.2	1.17	< 2	100	< 0.5	< 2	0.70	2.5	7	17	60	1.97	< 10	< 1	0.12	10	0.56	360	2
103100N 15850E	201	202	1.2	1.77	2	180	0.5	< 2	1.07	5.5	16	22	282	3.02	< 10	< 1	0.10	50	0.55	1355	4
103100N 15900E	201	202	0.2	2.04	4	150	< 0.5	< 2	0.78	1.0	13	21	46	3.08	< 10	< 1	0.16	10	1.20	685	2
103100N 16000E	201	202	0.8	3.17	2	270	1.0	< 2	0.69	3.0	19	45	186	4.44	< 10	< 1	0.21	40	1.28	1110	3
103100N 16050E	201	202	< 0.2	0.93	6	90	< 0.5	< 2	0.18	2.5	5	16	14	2.39	< 10	< 1	0.11	< 10	0.27	200	4
103200N 14400E	201	202	< 0.2	1.11	2	140	< 0.5	< 2	0.51	< 0.5	8	67	19	1.86	< 10	< 1	0.12	10	0.86	325	< 1
103200N 14450E	201	202	0.6	3.60	10	120	1.0	2	0.16	0.5	10	79	24	3.53	< 10	1	0.10	10	0.88	300	1
103200N 14500E	201	202	0.2	2.42	4	120	< 0.5	2	0.14	< 0.5	7	65	12	4.06	10	< 1	0.08	< 10	0.68	230	1
103200N 14550E	201	202	0.2	2.49	2	90	< 0.5	2	0.15	< 0.5	7	96	14	4.39	10	< 1	0.10	10	0.85	295	1
103200N 14600E	201	202	0.2	1.01	8	60	< 0.5	2	0.11	< 0.5	10	87	6	3.10	< 10	< 1	0.08	< 10	0.47	645	2
103200N 14850E	201	202	0.2	1.51	< 2	130	< 0.5	< 2	0.14	< 0.5	6	22	8	2.09	< 10	< 1	0.06	10	0.35	240	1
103200N 14900E	201	202	< 0.2	1.18	6	40	< 0.5	< 2	0.14	< 0.5	5	40	6	2.13	< 10	< 1	0.06	< 10	0.48	150	< 1
103200N 14950E	201	202	< 0.2	1.16	< 2	40	< 0.5	< 2	0.12	< 0.5	3	61	6	0.87	< 10	< 1	0.04	< 10	0.37	100	< 1
103200N 15050E	201	202	< 0.2	1.71	< 2	90	< 0.5	< 2	0.19	< 0.5	8	45	8	2.62	< 10	< 1	0.07	< 10	0.67	195	< 1
103200N 15100E	201	202	< 0.2	2.14	2	80	< 0.5	< 2	0.16	< 0.5	7	71	12	3.96	< 10	< 1	0.07	< 10	0.66	200	< 1
103200N 15150E	201	202	< 0.2	1.81	8	100	< 0.5	< 2	0.16	< 0.5	7	35	15	2.58	< 10	< 1	0.08	< 10	0.64	235	< 1

CERTIFICATION: Ian Buchler

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 23-AUG-96
Invoice No. :I9628303
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9628303

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
103000N 16050E	201	202	< 0.01	47	1500	236	< 2	10	73	0.04	< 10	20	82	< 10	954
103000N 16100E	201	202	< 0.01	3	220	14	< 2	< 1	17	0.06	< 10	< 10	30	< 10	34
103000N 16150E	201	202	< 0.01	11	970	14	< 2	1	13	0.09	< 10	< 10	73	< 10	56
103000N 16200E	201	202	< 0.01	12	540	22	< 2	4	65	0.26	< 10	< 10	100	< 10	284
103100N 14400E	201	202	0.01	63	560	8	< 2	5	43	0.08	< 10	< 10	54	< 10	62
103100N 14450E	201	202	< 0.01	27	500	12	< 2	4	19	0.15	< 10	< 10	94	< 10	76
103100N 14550E	201	202	0.01	21	620	8	< 2	3	11	0.08	< 10	< 10	68	< 10	52
103100N 14600E	201	202	< 0.01	18	540	16	< 2	3	20	0.09	< 10	< 10	50	< 10	32
103100N 14850E	201	202	< 0.01	21	810	8	< 2	3	16	0.07	< 10	< 10	49	< 10	36
103100N 14900E	201	202	< 0.01	23	850	10	2	3	18	0.09	< 10	< 10	80	< 10	72
103100N 14950E	201	202	< 0.01	25	750	8	< 2	4	19	0.09	< 10	< 10	53	< 10	46
103100N 15000E	201	202	< 0.01	45	740	12	< 2	5	14	0.10	< 10	< 10	72	< 10	66
103100N 15050E	201	202	< 0.01	9	380	8	< 2	1	15	0.07	< 10	< 10	41	< 10	30
103100N 15100E	201	202	< 0.01	14	380	4	< 2	1	13	0.07	< 10	< 10	39	< 10	24
103100N 15150E	201	202	< 0.01	12	310	8	< 2	1	12	0.08	< 10	< 10	39	< 10	28
103100N 15200E	201	202	< 0.01	15	530	8	< 2	3	20	0.10	< 10	< 10	54	< 10	46
103100N 15250E	201	202	< 0.01	8	910	16	< 2	3	25	0.14	< 10	< 10	69	< 10	64
103100N 15300E	201	202	< 0.01	65	620	10	< 2	4	45	0.13	< 10	< 10	54	< 10	66
103100N 15350E	201	202	0.01	75	1100	16	2	8	18	0.06	< 10	< 10	109	< 10	144
103100N 15400E	201	202	< 0.01	52	270	12	2	4	19	0.10	< 10	< 10	74	< 10	80
103100N 15600E	201	202	< 0.01	15	290	40	< 2	4	70	0.10	< 10	< 10	49	< 10	290
103100N 15650E	201	202	< 0.01	10	250	16	< 2	2	39	0.09	< 10	< 10	43	< 10	58
103100N 15700E	201	202	< 0.01	7	210	20	< 2	2	30	0.08	< 10	< 10	40	< 10	52
103100N 15750E	201	202	0.01	8	480	28	< 2	3	64	0.08	< 10	< 10	41	< 10	70
103100N 15800E	201	202	0.01	9	500	30	< 2	1	44	0.06	< 10	< 10	34	< 10	94
103100N 15850E	201	202	< 0.01	19	1040	132	< 2	3	62	0.04	< 10	10	45	< 10	192
103100N 15900E	201	202	< 0.01	12	600	38	< 2	3	50	0.09	< 10	< 10	45	< 10	240
103100N 16000E	201	202	< 0.01	26	920	62	4	6	46	0.08	< 10	< 10	71	< 10	482
103100N 16050E	201	202	< 0.01	6	390	18	< 2	1	20	0.10	< 10	< 10	73	< 10	68
103200N 14400E	201	202	0.01	38	1030	6	2	3	23	0.05	< 10	< 10	37	< 10	50
103200N 14450E	201	202	0.01	34	1240	46	< 2	4	13	0.10	< 10	< 10	68	< 10	106
103200N 14500E	201	202	< 0.01	19	480	12	< 2	4	10	0.17	< 10	< 10	106	< 10	76
103200N 14550E	201	202	< 0.01	25	1040	14	< 2	5	12	0.15	< 10	< 10	105	< 10	86
103200N 14600E	201	202	< 0.01	14	600	12	< 2	2	12	0.12	< 10	< 10	79	< 10	36
103200N 14850E	201	202	0.01	9	360	14	< 2	1	16	0.09	< 10	< 10	52	< 10	48
103200N 14900E	201	202	< 0.01	12	550	8	< 2	2	13	0.07	< 10	< 10	50	< 10	32
103200N 14950E	201	202	< 0.01	11	310	8	< 2	1	11	0.06	< 10	< 10	38	< 10	24
103200N 15050E	201	202	< 0.01	18	440	8	< 2	3	17	0.07	< 10	< 10	52	< 10	48
103200N 15100E	201	202	< 0.01	23	1050	6	< 2	3	13	0.10	< 10	< 10	81	< 10	44
103200N 15150E	201	202	< 0.01	17	830	10	< 2	2	15	0.06	< 10	< 10	44	< 10	58

CERTIFICATION: Hart Bichler

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 23-AUG-96
Invoice No. : I9628303
P.O. Number :
Account : NSQA

CERTIFICATE OF ANALYSIS A9628303

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
104000N 15700E	201	202	0.2	2.68	6	160	< 0.5	< 2	0.13	< 0.5	18	37	31	4.41	< 10	< 1	0.12	10	0.81	445	2
104000N 15750E	201	202	< 0.2	1.52	10	40	< 0.5	2	0.28	< 0.5	9	32	9	2.15	< 10	< 1	0.04	< 10	0.79	260	1
104000N 15800E	201	202	< 0.2	1.06	8	50	< 0.5	< 2	0.12	< 0.5	8	12	6	1.77	< 10	< 1	0.09	< 10	0.35	240	1
104000N 15850E	201	202	< 0.2	1.06	< 2	40	< 0.5	< 2	0.17	< 0.5	6	7	6	1.86	< 10	< 1	0.10	< 10	0.40	215	< 1
104000N 15900E	201	202	< 0.2	1.11	< 2	40	< 0.5	< 2	0.18	< 0.5	7	8	4	1.33	< 10	< 1	0.10	< 10	0.47	200	< 1
104000N 15950E	201	202	2.6	2.66	4	270	1.5	< 2	2.15	2.0	12	30	250	2.51	< 10	< 1	0.43	160	0.67	1125	3
104000N 16050E	201	202	< 0.2	1.23	2	120	< 0.5	< 2	0.28	< 0.5	7	9	5	1.75	< 10	< 1	0.16	< 10	0.45	260	1
104000N 16100E	201	202	< 0.2	0.99	2	60	< 0.5	< 2	0.18	< 0.5	7	9	8	2.04	< 10	< 1	0.14	< 10	0.39	270	1
104000N 16150E	201	202	0.8	2.15	8	200	< 0.5	< 2	0.47	0.5	15	14	41	2.80	< 10	< 1	0.49	10	1.23	1100	< 1
104000N 16200E	201	202	0.2	1.82	8	100	< 0.5	< 2	0.34	0.5	13	16	35	2.74	< 10	< 1	0.26	10	1.06	560	< 1
104200N 14300E	201	202	< 0.2	2.05	4	250	< 0.5	< 2	0.52	< 0.5	17	95	38	2.56	< 10	< 1	0.08	10	1.29	395	1
104200N 14350E	201	202	< 0.2	1.46	6	130	< 0.5	< 2	0.30	< 0.5	12	83	22	2.10	< 10	< 1	0.09	10	0.74	350	< 1
104200N 14450E	201	202	0.2	2.34	< 2	140	< 0.5	< 2	0.12	0.5	11	88	17	3.72	10	< 1	0.11	< 10	0.88	345	2
104200N 14500E	201	202	0.2	2.30	2	80	< 0.5	< 2	0.10	< 0.5	11	78	14	3.62	10	< 1	0.09	< 10	0.70	345	1
104200N 14550E	201	202	0.2	2.60	2	80	< 0.5	< 2	0.11	< 0.5	10	88	17	3.98	10	< 1	0.11	< 10	0.73	370	2
104200N 14600E	201	202	0.2	1.73	6	100	< 0.5	< 2	0.09	< 0.5	8	73	11	2.81	< 10	< 1	0.16	< 10	0.74	225	< 1
104200N 14650E	201	202	0.2	1.60	6	70	< 0.5	< 2	0.11	< 0.5	7	65	13	2.51	< 10	< 1	0.08	< 10	0.76	230	< 1
104200N 14700E	201	202	< 0.2	1.41	2	50	< 0.5	< 2	0.10	< 0.5	6	34	6	2.11	< 10	< 1	0.05	< 10	0.44	195	< 1
104200N 14750E	201	202	0.2	1.74	6	60	< 0.5	< 2	0.14	< 0.5	7	52	8	2.72	< 10	< 1	0.06	< 10	0.58	200	< 1
104200N 14800E	201	202	0.2	1.68	< 2	60	< 0.5	< 2	0.23	< 0.5	5	40	10	1.72	< 10	< 1	0.07	10	0.56	145	< 1
104200N 14850E	201	202	0.2	2.43	4	90	< 0.5	< 2	0.17	< 0.5	8	68	14	2.77	< 10	< 1	0.06	10	0.90	195	< 1
104200N 14900E	201	202	0.2	1.83	6	100	< 0.5	< 2	0.16	< 0.5	7	44	10	2.19	< 10	< 1	0.05	< 10	0.71	185	< 1
104200N 14950E	201	202	< 0.2	2.25	< 2	120	< 0.5	< 2	0.20	< 0.5	7	46	9	2.23	< 10	< 1	0.04	< 10	0.66	165	< 1
104200N 15000E	201	202	< 0.2	1.77	< 2	90	< 0.5	< 2	0.23	< 0.5	8	50	13	2.50	< 10	< 1	0.04	< 10	0.72	185	< 1
104200N 15050E A	201	202	< 0.2	1.42	6	60	< 0.5	< 2	0.35	< 0.5	7	95	6	1.25	< 10	< 1	0.06	< 10	1.05	100	< 1
104200N 15050E B	201	202	< 0.2	1.03	< 2	60	< 0.5	< 2	0.25	< 0.5	6	26	17	1.60	< 10	< 1	0.06	< 10	0.73	200	< 1
104200N 15100E	201	202	0.2	2.50	10	110	< 0.5	< 2	0.13	< 0.5	10	82	16	3.84	< 10	< 1	0.06	< 10	0.85	220	< 1
104200N 15150E	201	202	< 0.2	0.82	< 2	60	< 0.5	< 2	0.16	< 0.5	4	19	6	1.08	< 10	< 1	0.04	< 10	0.31	110	< 1

CERTIFICATION: Ian Bichler

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 23-AUG-96
Invoice No. :I9628303
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9628303

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
104000N 15700E	201	202	< 0.01	29	480	16	2	3	16	0.07	< 10	< 10	80	< 10	72
104000N 15750E	201	202	< 0.01	17	150	10	< 2	3	19	0.20	< 10	< 10	71	< 10	42
104000N 15800E	201	202	< 0.01	6	260	14	< 2	1	16	0.15	< 10	< 10	65	< 10	38
104000N 15850E	201	202	< 0.01	3	130	8	< 2	1	21	0.09	< 10	< 10	35	< 10	32
104000N 15900E	201	202	< 0.01	3	90	10	2	1	21	0.11	< 10	< 10	36	< 10	30
104000N 15950E	201	202	0.01	12	1820	20	< 2	6	115	0.03	< 10	60	35	< 10	120
104000N 16050E	201	202	< 0.01	4	130	14	< 2	1	27	0.12	< 10	< 10	46	< 10	46
104000N 16100E	201	202	< 0.01	4	220	12	< 2	2	22	0.16	< 10	< 10	64	< 10	34
104000N 16150E	201	202	< 0.01	8	530	82	< 2	3	32	0.10	< 10	< 10	44	< 10	212
104000N 16200E	201	202	< 0.01	9	340	30	4	3	31	0.13	< 10	< 10	51	< 10	104
104200N 14300E	201	202	0.01	73	420	12	2	5	30	0.08	< 10	< 10	53	< 10	66
104200N 14350E	201	202	0.01	38	650	8	< 2	4	18	0.07	< 10	< 10	48	< 10	48
104200N 14450E	201	202	< 0.01	32	390	12	2	6	12	0.16	< 10	< 10	102	< 10	94
104200N 14500E	201	202	< 0.01	24	710	10	4	5	11	0.14	< 10	< 10	94	< 10	88
104200N 14550E	201	202	< 0.01	28	700	12	< 2	6	9	0.16	< 10	< 10	107	< 10	64
104200N 14600E	201	202	< 0.01	22	700	8	< 2	5	10	0.12	< 10	< 10	76	< 10	50
104200N 14650E	201	202	< 0.01	28	950	8	< 2	3	9	0.06	< 10	< 10	56	< 10	56
104200N 14700E	201	202	< 0.01	12	430	10	< 2	2	12	0.07	< 10	< 10	42	< 10	44
104200N 14750E	201	202	< 0.01	19	630	8	< 2	3	15	0.08	< 10	< 10	54	< 10	50
104200N 14800E	201	202	< 0.01	17	520	10	< 2	3	16	0.07	< 10	< 10	39	< 10	28
104200N 14850E	201	202	< 0.01	28	370	10	2	4	12	0.08	< 10	< 10	57	< 10	44
104200N 14900E	201	202	< 0.01	23	230	10	< 2	3	12	0.07	< 10	< 10	43	< 10	46
104200N 14950E	201	202	< 0.01	24	280	10	< 2	3	14	0.07	< 10	< 10	45	< 10	36
104200N 15000E	201	202	< 0.01	30	420	10	< 2	3	14	0.07	< 10	< 10	45	< 10	40
104200N 15050E A	201	202	0.03	31	360	2	< 2	3	10	0.12	< 10	< 10	46	< 10	22
104200N 15050E B	201	202	< 0.01	37	400	10	2	1	17	0.06	< 10	< 10	29	< 10	32
104200N 15100E	201	202	< 0.01	38	530	12	< 2	3	11	0.08	< 10	< 10	68	< 10	64
104200N 15150E	201	202	< 0.01	9	240	10	< 2	< 1	13	0.05	< 10	< 10	27	< 10	22

CERTIFICATION: Stuart Bichler

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: COLUMBIA GOLD MINES
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9627612

Comments: CC:DOUG BLANCHFLOWER

CERTIFICATE A9627612

(NSQA) - COLUMBIA GOLD MINES

Project: YUKON-FYRE LAKE
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 19-AUG-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	248	Dry, sieve to -80 mesh
202	248	save reject
229	248	ICP - AQ Digestion charge
* NOTE	1:	

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	248	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	248	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	248	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	248	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	248	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	248	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	248	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	248	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	248	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	248	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	248	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	248	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	248	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	248	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	248	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	248	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	248	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	248	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	248	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	248	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	248	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	248	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	248	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	248	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	248	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	248	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	248	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	248	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	248	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	248	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	248	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	248	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Page Number :1-A
Total Pages :7
Certificate Date: 19-AUG-96
Invoice No. :19627612
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
103600N 14350E	201	202	< 0.2	2.17	< 2	110	< 0.5	< 2	0.19	< 0.5	7	82	25	2.89	< 10	< 1	0.08	< 10	1.14	280	5
103600N 14400E	201	202	< 0.2	2.33	< 2	100	< 0.5	< 2	0.10	< 0.5	6	72	13	3.95	< 10	< 1	0.06	< 10	0.76	255	3
103600N 14450E	201	202	< 0.2	2.75	< 2	140	0.5	< 2	0.11	< 0.5	7	78	14	3.39	< 10	< 1	0.14	10	0.74	225	4
103600N 14500E	201	202	< 0.2	3.88	4	170	1.0	< 2	0.30	< 0.5	14	136	35	4.08	< 10	< 1	0.19	10	1.25	505	4
103600N 14550E	201	202	< 0.2	2.49	< 2	90	< 0.5	< 2	0.17	< 0.5	5	72	9	2.39	< 10	1	0.10	10	0.82	215	3
103600N 14600E	201	202	< 0.2	2.21	< 2	130	0.5	< 2	0.28	< 0.5	8	68	16	2.22	< 10	1	0.10	10	0.73	190	2
103600N 14650E	201	202	< 0.2	1.65	2	70	< 0.5	< 2	0.22	< 0.5	4	84	6	2.02	< 10	< 1	0.05	10	0.61	150	1
103600N 14700E	201	202	< 0.2	1.52	< 2	90	< 0.5	< 2	0.22	< 0.5	5	60	7	1.44	< 10	< 1	0.08	< 10	0.63	135	< 1
103600N 14750E	201	202	< 0.2	1.92	< 2	100	< 0.5	< 2	0.18	< 0.5	6	60	14	2.21	< 10	< 1	0.08	< 10	0.65	160	1
103600N 14850E	201	202	< 0.2	1.75	< 2	100	< 0.5	2	0.22	< 0.5	5	55	9	3.72	< 10	< 1	0.07	< 10	0.47	230	3
103600N 14900E	201	202	< 0.2	1.73	< 2	70	< 0.5	< 2	0.21	< 0.5	6	55	7	2.59	< 10	< 1	0.06	< 10	0.65	190	1
103600N 14950E	201	202	< 0.2	1.62	2	90	< 0.5	< 2	0.16	< 0.5	7	75	6	2.84	< 10	< 1	0.05	< 10	0.75	200	1
103600N 15000E	201	202	< 0.2	1.81	< 2	50	< 0.5	< 2	0.15	< 0.5	5	32	5	3.01	< 10	1	0.06	< 10	0.58	205	1
103600N 15050E	201	202	< 0.2	0.89	2	70	< 0.5	< 2	0.18	< 0.5	3	47	2	1.20	< 10	< 1	0.06	< 10	0.29	110	< 1
103600N 15100E	201	202	< 0.2	1.31	< 2	60	< 0.5	< 2	0.17	< 0.5	6	41	6	2.82	< 10	< 1	0.06	< 10	0.56	185	1
103600N 15150E	201	202	< 0.2	1.57	< 2	80	< 0.5	< 2	0.23	< 0.5	6	77	6	2.18	< 10	< 1	0.06	10	0.80	170	1
103600N 15200E	201	202	< 0.2	1.89	2	70	< 0.5	< 2	0.22	< 0.5	6	86	5	2.34	< 10	< 1	0.05	< 10	1.00	165	1
103600N 15250E	201	202	< 0.2	2.53	< 2	80	< 0.5	< 2	0.30	< 0.5	8	96	10	2.60	< 10	1	0.07	< 10	1.11	205	1
103600N 15300E	201	202	< 0.2	1.72	< 2	90	< 0.5	< 2	0.43	< 0.5	8	48	15	2.31	< 10	< 1	0.14	10	0.89	305	1
103600N 15350E	201	202	< 0.2	2.46	2	90	0.5	< 2	0.35	< 0.5	8	44	22	3.33	< 10	< 1	0.14	< 10	0.84	405	1
103600N 15400E	201	202	< 0.2	2.02	< 2	140	< 0.5	< 2	1.02	< 0.5	11	29	35	2.71	< 10	1	0.23	20	1.19	450	2
103600N 15450E	201	202	< 0.2	1.75	< 2	60	< 0.5	< 2	0.40	< 0.5	10	20	11	2.95	< 10	< 1	0.20	< 10	0.92	350	1
103600N 15500E	201	202	< 0.2	1.70	2	90	< 0.5	< 2	0.61	< 0.5	11	16	12	2.57	< 10	< 1	0.23	< 10	1.16	465	1
103600N 15550E	201	202	< 0.2	1.45	< 2	80	< 0.5	< 2	0.46	< 0.5	8	17	16	2.25	< 10	< 1	0.16	< 10	0.94	310	2
103600N 15650E	201	202	< 0.2	1.84	< 2	180	< 0.5	< 2	0.92	0.5	10	23	35	2.27	< 10	< 1	0.10	10	0.83	280	2
103600N 15700E	201	202	0.2	1.76	2	100	< 0.5	< 2	0.66	< 0.5	11	27	37	2.69	< 10	< 1	0.16	30	1.14	485	2
103600N 15750E	201	202	0.6	0.56	< 2	70	< 0.5	< 2	0.62	< 0.5	1	4	37	0.45	< 10	< 1	0.03	30	0.10	115	1
103600N 15800E	201	202	0.6	1.42	2	170	0.5	< 2	0.85	3.0	13	15	69	2.19	< 10	< 1	0.11	40	0.57	1085	3
103600N 15850E	201	202	1.0	2.79	2	210	1.0	< 2	1.01	1.0	16	31	100	3.41	< 10	< 1	0.25	60	1.18	1080	4
103600N 15900E	201	202	< 0.2	0.66	2	70	< 0.5	< 2	0.17	< 0.5	2	7	4	0.95	< 10	< 1	0.09	< 10	0.18	95	2
103600N 15950E	201	202	0.2	1.58	< 2	70	< 0.5	< 2	0.25	< 0.5	4	13	4	2.08	< 10	< 1	0.10	< 10	0.44	245	1
103600N 16000E	201	202	< 0.2	1.50	< 2	80	< 0.5	< 2	0.19	< 0.5	5	12	3	1.87	< 10	< 1	0.32	10	0.69	255	1
103600N 16050E	201	202	< 0.2	1.67	< 2	70	< 0.5	< 2	0.30	< 0.5	5	13	4	2.79	< 10	< 1	0.10	< 10	0.60	310	1
103600N 16100E	201	202	0.2	2.09	< 2	190	< 0.5	< 2	0.97	< 0.5	13	22	45	2.96	< 10	< 1	0.25	10	1.15	605	2
103600N 16150E	201	202	0.8	2.47	4	240	0.5	< 2	0.92	< 0.5	12	30	85	3.02	< 10	< 1	0.21	30	1.01	610	3
103600N 16200E	201	202	1.0	2.24	< 2	310	0.5	< 2	1.72	0.5	13	39	162	2.95	< 10	1	0.18	110	0.89	1040	3
103700N 14365E	201	202	< 0.2	1.64	4	200	< 0.5	< 2	0.65	< 0.5	11	125	24	2.27	< 10	< 1	0.09	10	1.28	300	1
103700N 14400E	201	202	0.2	2.81	< 2	110	0.5	< 2	0.20	< 0.5	11	100	16	4.23	< 10	1	0.08	10	1.05	335	3
103700N 14450E	201	202	< 0.2	1.97	2	90	< 0.5	< 2	0.12	< 0.5	7	67	15	3.49	< 10	< 1	0.08	< 10	0.68	1105	4
103700N 14500E	201	202	< 0.2	1.94	< 2	160	< 0.5	< 2	0.12	< 0.5	9	89	19	3.33	< 10	1	0.16	10	0.92	435	4

CERTIFICATION: Stewart Buchler

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 19-AUG-96
Invoice No. :19627612
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
103600N 14350E	201	202	< 0.01	31	230	10	< 2	5	12	0.10	< 10	< 10	89	< 10	66
103600N 14400E	201	202	< 0.01	19	490	6	< 2	5	8	0.14	< 10	< 10	112	< 10	82
103600N 14450E	201	202	< 0.01	23	580	12	< 2	5	10	0.10	< 10	< 10	81	< 10	50
103600N 14500E	201	202	0.01	56	810	12	< 2	8	17	0.13	< 10	< 10	110	< 10	86
103600N 14550E	201	202	0.01	20	380	6	< 2	5	11	0.13	< 10	< 10	75	< 10	62
103600N 14600E	201	202	0.01	45	580	8	< 2	4	16	0.08	< 10	< 10	49	< 10	40
103600N 14650E	201	202	0.01	20	260	8	< 2	3	14	0.12	< 10	< 10	64	< 10	26
103600N 14700E	201	202	0.01	27	330	8	< 2	3	13	0.08	< 10	< 10	40	< 10	28
103600N 14750E	201	202	0.01	35	430	8	< 2	3	11	0.07	< 10	< 10	47	< 10	42
103600N 14850E	201	202	< 0.01	14	490	10	< 2	3	18	0.15	< 10	< 10	85	< 10	48
103600N 14900E	201	202	< 0.01	19	410	6	2	3	14	0.10	< 10	< 10	59	< 10	58
103600N 14950E	201	202	< 0.01	37	350	6	< 2	3	14	0.10	< 10	< 10	64	< 10	52
103600N 15000E	201	202	< 0.01	9	750	8	< 2	2	13	0.11	< 10	< 10	63	< 10	42
103600N 15050E	201	202	< 0.01	11	260	6	< 2	1	14	0.06	< 10	< 10	30	< 10	22
103600N 15100E	201	202	< 0.01	12	630	6	< 2	2	14	0.08	< 10	< 10	53	< 10	44
103600N 15150E	201	202	< 0.01	26	320	4	< 2	3	15	0.10	< 10	< 10	59	< 10	40
103600N 15200E	201	202	0.01	40	260	8	< 2	3	13	0.09	< 10	< 10	60	< 10	40
103600N 15250E	201	202	0.01	54	550	8	< 2	4	17	0.09	< 10	< 10	54	< 10	38
103600N 15300E	201	202	< 0.01	25	380	14	< 2	4	32	0.10	< 10	< 10	49	< 10	52
103600N 15350E	201	202	< 0.01	27	800	10	< 2	4	30	0.09	< 10	< 10	53	< 10	64
103600N 15400E	201	202	< 0.01	19	530	6	< 2	4	62	0.10	< 10	< 10	47	< 10	78
103600N 15450E	201	202	< 0.01	8	300	10	< 2	3	37	0.14	< 10	< 10	54	< 10	44
103600N 15500E	201	202	< 0.01	7	400	6	< 2	3	42	0.13	< 10	< 10	46	< 10	58
103600N 15550E	201	202	0.01	8	220	8	< 2	2	31	0.10	< 10	< 10	43	< 10	56
103600N 15650E	201	202	0.01	15	310	10	< 2	3	53	0.06	< 10	10	40	< 10	86
103600N 15700E	201	202	< 0.01	22	510	10	< 2	4	38	0.07	< 10	< 10	40	< 10	66
103600N 15750E	201	202	0.01	4	380	4	< 2	< 1	35	< 0.01	< 10	< 10	8	< 10	8
103600N 15800E	201	202	0.01	9	530	14	< 2	3	56	0.05	< 10	10	38	< 10	130
103600N 15850E	201	202	< 0.01	20	1000	50	< 2	6	56	0.05	< 10	10	52	< 10	174
103600N 15900E	201	202	< 0.01	1	130	14	< 2	1	18	0.14	< 10	< 10	55	< 10	22
103600N 15950E	201	202	< 0.01	3	420	14	< 2	3	25	0.11	< 10	< 10	51	< 10	46
103600N 16000E	201	202	< 0.01	3	210	18	< 2	3	28	0.14	< 10	< 10	41	< 10	56
103600N 16050E	201	202	< 0.01	3	330	14	< 2	3	30	0.12	< 10	< 10	57	< 10	54
103600N 16100E	201	202	< 0.01	11	530	8	< 2	4	50	0.11	< 10	< 10	48	< 10	90
103600N 16150E	201	202	0.01	17	710	24	< 2	5	49	0.07	< 10	10	55	< 10	118
103600N 16200E	201	202	0.01	21	1320	18	< 2	6	78	0.04	< 10	30	64	< 10	90
103700N 14365E	201	202	0.01	58	740	6	< 2	4	28	0.07	< 10	< 10	49	< 10	56
103700N 14400E	201	202	< 0.01	34	550	10	< 2	6	13	0.14	< 10	< 10	100	< 10	108
103700N 14450E	201	202	< 0.01	24	940	8	< 2	3	9	0.09	< 10	< 10	91	< 10	54
103700N 14500E	201	202	< 0.01	33	400	6	< 2	4	12	0.09	< 10	< 10	77	< 10	110

CERTIFICATION: Stewart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
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Project : YUKON-FYRE LAKE
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CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
103700N 14550E	201	202	0.2	3.43	< 2	140	0.5	2	0.15	0.5	11	111	21	5.16	10	1	0.14	< 10	1.08	430	3
103700N 14600E	201	202	< 0.2	1.67	6	110	< 0.5	< 2	0.24	< 0.5	7	59	17	1.83	< 10	< 1	0.08	10	0.75	180	< 1
103700N 14650E	201	202	< 0.2	1.68	< 2	80	< 0.5	< 2	0.23	< 0.5	5	60	8	1.67	< 10	< 1	0.05	10	0.55	130	< 1
103700N 14800E	201	202	0.2	2.30	< 2	140	0.5	< 2	0.23	< 0.5	9	70	18	2.49	< 10	< 1	0.07	10	0.86	205	< 1
103700N 14850E	201	202	0.2	1.39	< 2	90	< 0.5	< 2	0.25	< 0.5	7	64	7	2.75	< 10	< 1	0.06	10	0.51	190	1
103700N 14900E	201	202	< 0.2	1.68	4	80	< 0.5	< 2	0.23	< 0.5	6	57	8	2.14	< 10	< 1	0.06	< 10	0.76	175	< 1
103700N 14950E	201	202	0.2	2.19	< 2	110	0.5	< 2	0.19	< 0.5	9	89	14	3.08	< 10	< 1	0.06	< 10	0.87	200	1
103700N 15000E	201	202	< 0.2	1.50	< 2	70	< 0.5	< 2	0.16	< 0.5	6	39	6	2.96	< 10	< 1	0.06	< 10	0.55	190	< 1
103700N 15050E	201	202	< 0.2	2.56	< 2	90	0.5	2	0.22	< 0.5	10	90	15	2.83	< 10	< 1	0.05	10	0.85	200	< 1
103700N 15100E	201	202	< 0.2	1.68	< 2	90	< 0.5	< 2	0.25	< 0.5	7	71	11	2.19	< 10	< 1	0.07	10	0.81	190	< 1
103700N 15150E	201	202	< 0.2	1.61	< 2	100	< 0.5	< 2	0.27	< 0.5	7	87	7	2.29	< 10	< 1	0.08	10	0.93	185	1
103700N 15200E	201	202	< 0.2	2.43	4	130	0.5	< 2	0.21	< 0.5	11	100	13	2.59	< 10	< 1	0.06	10	1.01	190	< 1
103700N 15250E	201	202	< 0.2	1.64	< 2	70	< 0.5	< 2	0.21	< 0.5	7	42	13	2.38	< 10	< 1	0.08	< 10	0.72	245	< 1
103700N 15300E	201	202	< 0.2	1.68	2	80	< 0.5	< 2	0.39	< 0.5	11	36	18	2.37	< 10	< 1	0.16	10	0.91	485	< 1
103700N 15400E	201	202	< 0.2	2.76	8	260	0.5	< 2	0.50	< 0.5	15	55	39	3.28	< 10	< 1	0.35	10	1.31	495	1
103700N 15450E	201	202	< 0.2	1.55	2	100	< 0.5	< 2	0.26	< 0.5	8	44	14	2.40	< 10	< 1	0.11	< 10	0.66	230	< 1
103700N 15550E	201	202	< 0.2	0.88	< 2	70	< 0.5	< 2	0.19	< 0.5	3	17	4	0.88	< 10	< 1	0.10	10	0.36	150	< 1
103700N 15600E	201	202	< 0.2	2.44	2	80	< 0.5	< 2	0.47	< 0.5	15	61	16	3.98	< 10	< 1	0.06	< 10	1.34	475	1
103700N 15650E	201	202	< 0.2	1.67	6	50	< 0.5	< 2	0.23	< 0.5	8	19	8	3.83	< 10	1	0.12	< 10	0.75	285	< 1
103700N 15700E	201	202	< 0.2	1.49	< 2	60	< 0.5	< 2	0.22	< 0.5	9	14	6	3.08	< 10	< 1	0.12	< 10	0.67	325	< 1
103700N 15750E	201	202	< 0.2	1.90	2	100	< 0.5	2	0.33	< 0.5	9	31	7	3.61	< 10	< 1	0.10	< 10	0.69	380	< 1
103700N 15800E	201	202	0.2	1.35	2	90	< 0.5	2	0.24	< 0.5	8	14	6	2.88	< 10	< 1	0.13	< 10	0.64	240	< 1
103700N 15850E	201	202	< 0.2	1.58	< 2	60	< 0.5	< 2	0.30	< 0.5	9	15	6	2.39	< 10	< 1	0.19	< 10	0.91	355	< 1
103700N 15900E	201	202	< 0.2	1.32	< 2	80	< 0.5	< 2	0.29	< 0.5	6	13	6	2.51	< 10	< 1	0.17	< 10	0.49	290	< 1
103700N 15950E	201	202	0.4	1.59	< 2	80	< 0.5	< 2	0.25	< 0.5	8	12	6	3.11	< 10	< 1	0.15	< 10	0.69	235	< 1
103700N 16000E	201	202	< 0.2	1.65	< 2	60	< 0.5	< 2	0.18	< 0.5	9	13	8	3.62	< 10	< 1	0.16	< 10	0.90	320	< 1
103700N 16050E	201	202	< 0.2	1.63	4	80	< 0.5	< 2	0.16	< 0.5	9	23	10	2.83	< 10	1	0.12	< 10	0.92	275	< 1
103700N 16100E	201	202	1.2	1.85	< 2	160	0.5	< 2	0.12	< 0.5	17	21	54	3.97	< 10	< 1	0.17	20	0.62	915	1
103700N 16150E	201	202	< 0.2	2.27	2	190	< 0.5	< 2	0.48	< 0.5	14	26	31	3.29	< 10	< 1	0.21	10	1.30	570	1
103700N 16200E	201	202	0.6	2.45	4	340	0.5	< 2	0.47	0.5	10	39	49	3.22	< 10	2	0.16	30	1.08	510	4
103800N 14400E	201	202	0.2	1.90	2	180	0.5	< 2	0.29	< 0.5	11	70	24	2.99	< 10	1	0.11	10	0.86	405	1
103800N 14450E	201	202	< 0.2	2.19	< 2	90	< 0.5	< 2	0.14	< 0.5	8	66	12	4.01	10	< 1	0.10	< 10	0.67	360	2
103800N 14500E	201	202	< 0.2	2.19	< 2	100	< 0.5	2	0.16	< 0.5	9	95	16	3.84	10	< 1	0.08	< 10	0.86	330	2
103800N 14550E	201	202	< 0.2	1.27	< 2	60	< 0.5	< 2	0.28	< 0.5	5	51	13	1.94	< 10	< 1	0.04	10	0.57	135	< 1
103800N 14600E	201	202	< 0.2	1.49	< 2	50	< 0.5	< 2	0.27	< 0.5	5	52	8	1.68	< 10	< 1	0.05	10	0.58	145	< 1
103800N 14750E	201	202	< 0.2	1.81	< 2	120	< 0.5	< 2	0.28	< 0.5	7	91	10	2.19	< 10	< 1	0.10	10	1.11	230	< 1
103800N 14800E	201	202	0.2	1.76	< 2	80	< 0.5	< 2	0.18	< 0.5	7	72	10	3.30	< 10	< 1	0.06	< 10	0.66	205	< 1
103800N 14850E	201	202	< 0.2	2.16	< 2	80	< 0.5	< 2	0.22	< 0.5	14	120	5	3.27	< 10	< 1	0.06	< 10	1.08	230	< 1
103800N 14900E	201	202	< 0.2	2.01	< 2	90	< 0.5	< 2	0.23	< 0.5	7	76	8	3.17	< 10	< 1	0.09	10	0.89	210	1
103800N 14950E	201	202	< 0.2	0.81	< 2	40	< 0.5	< 2	0.22	< 0.5	5	58	3	1.14	< 10	< 1	0.06	10	0.37	145	< 1

CERTIFICATION: Ian Bichler

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 19-AUG-96
Invoice No. :19627612
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
103700N 14550E	201	202	< 0.01	36	710	12	< 2	9	10	0.17	< 10	< 10	128	< 10	120
103700N 14600E	201	202	0.01	37	490	8	< 2	3	15	0.07	< 10	< 10	41	< 10	34
103700N 14650E	201	202	< 0.01	23	360	6	< 2	3	15	0.08	< 10	< 10	43	< 10	24
103700N 14800E	201	202	0.01	46	180	8	< 2	4	18	0.10	< 10	< 10	53	< 10	42
103700N 14850E	201	202	< 0.01	18	370	10	< 2	3	20	0.13	< 10	< 10	78	< 10	52
103700N 14900E	201	202	0.01	24	240	8	< 2	3	17	0.09	< 10	< 10	48	< 10	40
103700N 14950E	201	202	< 0.01	33	260	6	< 2	4	14	0.10	< 10	< 10	63	< 10	46
103700N 15000E	201	202	0.01	11	300	8	< 2	2	15	0.13	< 10	< 10	69	< 10	36
103700N 15050E	201	202	0.01	42	780	10	< 2	5	13	0.11	< 10	< 10	71	< 10	56
103700N 15100E	201	202	0.01	35	390	8	< 2	3	16	0.08	< 10	< 10	45	< 10	42
103700N 15150E	201	202	0.01	29	440	6	< 2	4	17	0.10	< 10	< 10	64	< 10	46
103700N 15200E	201	202	0.01	55	320	18	< 2	5	13	0.10	< 10	< 10	56	< 10	44
103700N 15250E	201	202	< 0.01	18	310	10	< 2	3	17	0.09	< 10	< 10	50	< 10	44
103700N 15300E	201	202	< 0.01	22	470	10	< 2	3	30	0.10	< 10	< 10	44	< 10	60
103700N 15400E	201	202	< 0.01	62	640	14	< 2	6	35	0.11	< 10	< 10	60	< 10	90
103700N 15450E	201	202	0.01	21	260	10	< 2	3	24	0.11	< 10	< 10	51	< 10	46
103700N 15550E	201	202	0.01	6	210	8	< 2	1	16	0.06	< 10	< 10	25	< 10	26
103700N 15600E	201	202	< 0.01	35	450	10	< 2	4	32	0.20	< 10	< 10	88	< 10	68
103700N 15650E	201	202	< 0.01	7	1070	14	< 2	3	26	0.13	< 10	< 10	75	< 10	50
103700N 15700E	201	202	< 0.01	7	880	8	< 2	2	24	0.12	< 10	< 10	68	< 10	58
103700N 15750E	201	202	< 0.01	12	720	16	< 2	3	29	0.15	< 10	< 10	80	< 10	50
103700N 15800E	201	202	< 0.01	5	570	8	< 2	2	26	0.14	< 10	< 10	59	< 10	40
103700N 15850E	201	202	< 0.01	6	440	6	< 2	3	28	0.14	< 10	< 10	53	< 10	52
103700N 15900E	201	202	< 0.01	5	410	14	< 2	3	33	0.15	< 10	< 10	69	< 10	42
103700N 15950E	201	202	< 0.01	5	480	8	< 2	3	27	0.14	< 10	< 10	67	< 10	42
103700N 16000E	201	202	< 0.01	6	690	6	< 2	2	21	0.14	< 10	< 10	67	< 10	54
103700N 16050E	201	202	< 0.01	12	310	10	< 2	2	16	0.13	< 10	< 10	59	< 10	60
103700N 16100E	201	202	< 0.01	11	560	30	< 2	2	15	0.09	< 10	< 10	70	< 10	66
103700N 16150E	201	202	< 0.01	15	450	26	< 2	4	36	0.10	< 10	< 10	56	< 10	106
103700N 16200E	201	202	0.01	19	710	20	< 2	4	36	0.06	< 10	< 10	63	< 10	92
103800N 14400E	201	202	0.01	39	580	10	< 2	4	22	0.09	< 10	< 10	74	< 10	66
103800N 14450E	201	202	< 0.01	20	450	12	< 2	4	11	0.18	< 10	< 10	102	< 10	80
103800N 14500E	201	202	0.01	25	470	10	< 2	6	13	0.17	< 10	< 10	119	< 10	92
103800N 14550E	201	202	0.01	26	690	6	< 2	3	16	0.07	< 10	< 10	49	< 10	24
103800N 14600E	201	202	0.01	25	650	4	< 2	3	15	0.06	< 10	< 10	33	< 10	24
103800N 14750E	201	202	0.01	30	170	6	< 2	6	19	0.17	< 10	< 10	80	< 10	42
103800N 14800E	201	202	< 0.01	24	400	8	< 2	3	14	0.15	< 10	< 10	93	< 10	50
103800N 14850E	201	202	< 0.01	45	510	8	< 2	4	17	0.14	< 10	< 10	76	< 10	96
103800N 14900E	201	202	< 0.01	24	400	10	< 2	5	17	0.14	< 10	< 10	86	< 10	56
103800N 14950E	201	202	0.01	33	170	10	< 2	2	14	0.12	< 10	< 10	42	< 10	28

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 19-AUG-96
Invoice No. :I9627612
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
103800N 15000E	201	202	< 0.2	1.14	< 2	60	< 0.5	< 2	0.16	< 0.5	5	64	5	1.79	< 10	1	0.07	< 10	0.63	160	< 1
103800N 15050E	201	202	< 0.2	2.10	< 2	130	< 0.5	< 2	0.16	< 0.5	10	88	17	2.75	< 10	< 1	0.10	10	0.98	250	1
103800N 15100E	201	202	< 0.2	1.64	2	90	< 0.5	< 2	0.18	< 0.5	7	81	8	2.29	< 10	< 1	0.06	< 10	0.85	200	< 1
103800N 15150E	201	202	< 0.2	2.22	2	130	< 0.5	< 2	0.24	< 0.5	10	91	13	2.57	< 10	< 1	0.07	< 10	1.03	210	< 1
103800N 15200E	201	202	< 0.2	2.06	2	120	< 0.5	< 2	0.20	< 0.5	8	84	10	2.91	< 10	< 1	0.05	< 10	0.91	220	< 1
103800N 15250E	201	202	< 0.2	1.20	< 2	60	< 0.5	< 2	0.21	< 0.5	7	16	10	2.45	< 10	< 1	0.07	< 10	0.52	310	< 1
103800N 15300E	201	202	< 0.2	1.83	6	60	< 0.5	< 2	0.63	< 0.5	20	67	27	3.01	< 10	< 1	0.11	10	2.14	550	1
103800N 15350E	201	202	< 0.2	1.29	2	80	< 0.5	< 2	0.38	< 0.5	8	15	11	1.80	< 10	< 1	0.15	< 10	0.79	320	< 1
103800N 15400E	201	202	< 0.2	1.15	< 2	80	< 0.5	< 2	0.20	0.5	6	53	5	2.28	< 10	< 1	0.07	< 10	0.53	210	1
103800N 15500E	201	202	< 0.2	1.61	2	100	< 0.5	< 2	0.30	< 0.5	11	23	13	2.44	< 10	< 1	0.17	< 10	0.75	370	< 1
103800N 15550E	201	202	0.2	1.44	< 2	140	< 0.5	< 2	0.29	< 0.5	8	25	16	1.89	< 10	< 1	0.12	10	0.43	295	1
103800N 15600E	201	202	< 0.2	1.79	2	120	< 0.5	< 2	0.28	< 0.5	9	39	18	2.64	< 10	< 1	0.09	10	0.88	260	< 1
103800N 15650E	201	202	0.2	2.36	4	130	< 0.5	< 2	0.36	< 0.5	16	46	22	4.01	< 10	< 1	0.08	10	1.12	415	1
103800N 15700E	201	202	< 0.2	1.10	< 2	70	< 0.5	< 2	0.22	< 0.5	6	12	6	1.92	< 10	< 1	0.12	< 10	0.44	210	< 1
103800N 15750E	201	202	< 0.2	1.04	< 2	50	< 0.5	< 2	0.23	< 0.5	5	7	2	1.71	< 10	< 1	0.13	< 10	0.47	180	< 1
103800N 15800E	201	202	< 0.2	1.21	< 2	80	< 0.5	< 2	0.27	< 0.5	7	10	3	1.98	< 10	< 1	0.21	< 10	0.63	245	< 1
103800N 15850E	201	202	< 0.2	2.01	< 2	80	< 0.5	2	0.22	< 0.5	11	13	8	3.14	< 10	< 1	0.22	< 10	1.23	405	< 1
103800N 15900E	201	202	< 0.2	1.29	< 2	50	< 0.5	< 2	0.27	< 0.5	6	10	4	1.62	< 10	< 1	0.16	< 10	0.68	265	< 1
103800N 15950E	201	202	0.2	1.38	< 2	60	< 0.5	< 2	0.20	< 0.5	6	13	5	2.08	< 10	< 1	0.10	10	0.49	250	< 1
103800N 16000E	201	202	< 0.2	1.45	< 2	50	< 0.5	< 2	0.29	< 0.5	7	12	5	2.38	< 10	< 1	0.12	< 10	0.65	230	< 1
103800N 16050E	201	202	0.2	1.56	< 2	70	< 0.5	< 2	0.21	< 0.5	8	17	5	2.90	< 10	< 1	0.12	< 10	0.74	300	< 1
103800N 16100E	201	202	< 0.2	0.89	< 2	50	< 0.5	< 2	0.35	< 0.5	3	8	3	0.96	< 10	< 1	0.10	< 10	0.27	135	< 1
103800N 16150E	201	202	< 0.2	1.64	2	110	< 0.5	< 2	0.26	< 0.5	9	13	10	2.93	< 10	< 1	0.19	< 10	0.85	320	< 1
103800N 16200E	201	202	0.2	1.28	< 2	70	< 0.5	< 2	0.35	< 0.5	6	12	4	1.55	< 10	< 1	0.18	< 10	0.58	225	< 1
103900N 14350E	201	202	< 0.2	2.20	8	240	0.5	< 2	0.57	< 0.5	14	97	28	2.76	< 10	< 1	0.09	10	1.49	410	< 1
103900N 14400E	201	202	< 0.2	1.93	< 2	170	0.5	< 2	0.45	< 0.5	12	94	22	2.59	< 10	< 1	0.17	10	1.29	440	< 1
103900N 14450E	201	202	0.6	2.45	< 2	220	1.0	< 2	0.30	0.5	17	82	40	2.69	< 10	< 1	0.14	30	1.06	450	2
103900N 14500E	201	202	0.2	1.93	< 2	90	< 0.5	< 2	0.09	< 0.5	9	75	20	3.72	10	< 1	0.12	< 10	0.61	345	2
103900N 14550E	201	202	< 0.2	1.02	< 2	60	< 0.5	< 2	0.17	< 0.5	4	40	10	1.33	< 10	< 1	0.06	< 10	0.59	130	< 1
103900N 14600E	201	202	< 0.2	1.26	< 2	50	< 0.5	< 2	0.19	< 0.5	5	43	8	1.47	< 10	< 1	0.05	< 10	0.57	125	< 1
103900N 14650E	201	202	< 0.2	1.69	< 2	80	< 0.5	< 2	0.17	< 0.5	8	60	17	1.95	< 10	1	0.06	10	0.83	190	< 1
103900N 14700E	201	202	0.2	1.85	< 2	80	< 0.5	< 2	0.11	< 0.5	7	78	10	3.80	< 10	< 1	0.05	< 10	0.61	180	1
103900N 14750E	201	202	0.2	1.43	< 2	70	< 0.5	< 2	0.17	< 0.5	7	55	10	2.37	< 10	1	0.05	< 10	0.61	165	1
103900N 14850E	201	202	< 0.2	1.27	6	60	< 0.5	< 2	0.17	< 0.5	6	59	8	2.79	< 10	< 1	0.06	< 10	0.62	180	1
103900N 14900E	201	202	< 0.2	2.26	< 2	120	0.5	< 2	0.21	< 0.5	7	52	9	2.77	< 10	< 1	0.04	10	0.65	145	< 1
103900N 14950E	201	202	< 0.2	1.29	< 2	80	< 0.5	< 2	0.17	< 0.5	3	39	4	1.17	< 10	< 1	0.04	10	0.42	95	< 1
103900N 15050E	201	202	< 0.2	2.21	< 2	80	0.5	< 2	0.26	< 0.5	7	88	12	2.08	< 10	< 1	0.05	10	0.79	160	< 1
103900N 15100E	201	202	< 0.2	1.91	2	110	< 0.5	< 2	0.32	< 0.5	7	66	9	2.41	< 10	< 1	0.06	10	0.80	170	< 1
103900N 15150E	201	202	< 0.2	2.28	< 2	130	0.5	< 2	0.17	< 0.5	10	116	9	3.21	< 10	< 1	0.06	10	0.99	200	< 1
103900N 15200E	201	202	0.2	2.34	6	170	0.5	< 2	0.14	< 0.5	8	70	11	3.11	< 10	1	0.06	10	0.97	255	< 1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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To: COLUMBIA GOLD MINES **
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V6B 1N2

Project : YUKON-FYRE LAKE
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Certificate Date: 19-AUG-96
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CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
103800N 15000E	201	202	< 0.01	19	190	8	< 2	3	13	0.11	< 10	< 10	55	< 10	38
103800N 15050E	201	202	0.01	41	470	14	< 2	4	12	0.10	< 10	< 10	76	< 10	60
103800N 15100E	201	202	0.01	28	350	8	< 2	3	12	0.10	< 10	< 10	60	< 10	56
103800N 15150E	201	202	0.01	46	540	8	< 2	4	14	0.08	< 10	< 10	58	< 10	50
103800N 15200E	201	202	0.01	35	250	10	< 2	4	15	0.10	< 10	< 10	62	< 10	56
103800N 15250E	201	202	< 0.01	8	510	10	< 2	1	20	0.07	< 10	< 10	43	< 10	38
103800N 15300E	201	202	< 0.01	88	520	4	< 2	4	30	0.14	< 10	< 10	56	< 10	60
103800N 15350E	201	202	< 0.01	10	290	10	< 2	3	32	0.09	< 10	< 10	32	< 10	48
103800N 15400E	201	202	0.01	19	210	10	< 2	2	14	0.12	< 10	< 10	67	< 10	56
103800N 15500E	201	202	0.01	13	320	10	< 2	3	28	0.10	< 10	< 10	58	< 10	64
103800N 15550E	201	202	< 0.01	13	230	22	< 2	3	27	0.09	< 10	< 10	59	< 10	36
103800N 15600E	201	202	< 0.01	24	280	10	< 2	3	23	0.10	< 10	< 10	54	< 10	50
103800N 15650E	201	202	< 0.01	30	490	14	< 2	4	26	0.16	< 10	< 10	84	< 10	82
103800N 15700E	201	202	< 0.01	5	330	8	< 2	1	20	0.11	< 10	< 10	51	< 10	42
103800N 15750E	201	202	< 0.01	2	380	6	< 2	2	28	0.17	< 10	< 10	60	< 10	26
103800N 15800E	201	202	< 0.01	4	330	6	< 2	2	24	0.16	< 10	< 10	52	< 10	44
103800N 15850E	201	202	< 0.01	5	750	10	< 2	3	22	0.19	< 10	< 10	73	< 10	80
103800N 15900E	201	202	0.01	4	180	6	< 2	2	25	0.11	< 10	< 10	35	< 10	46
103800N 15950E	201	202	< 0.01	5	490	12	< 2	2	21	0.14	< 10	< 10	55	< 10	40
103800N 16000E	201	202	< 0.01	5	430	8	< 2	2	28	0.13	< 10	< 10	62	< 10	36
103800N 16050E	201	202	< 0.01	8	440	10	< 2	2	19	0.18	< 10	< 10	66	< 10	46
103800N 16100E	201	202	< 0.01	3	160	8	< 2	3	31	0.12	< 10	< 10	35	< 10	26
103800N 16150E	201	202	< 0.01	5	710	24	< 2	3	27	0.15	< 10	< 10	74	< 10	62
103800N 16200E	201	202	< 0.01	4	180	10	< 2	3	31	0.14	< 10	< 10	38	< 10	40
103900N 14350E	201	202	0.03	60	540	10	< 2	6	27	0.10	< 10	< 10	63	< 10	60
103900N 14400E	201	202	0.04	51	780	6	< 2	6	22	0.09	< 10	< 10	66	< 10	80
103900N 14450E	201	202	0.02	47	600	10	< 2	6	20	0.09	< 10	< 10	73	< 10	66
103900N 14500E	201	202	< 0.01	18	510	10	< 2	4	9	0.14	< 10	< 10	105	< 10	68
103900N 14550E	201	202	< 0.01	21	460	6	< 2	2	8	0.06	< 10	< 10	36	< 10	28
103900N 14600E	201	202	< 0.01	22	610	4	< 2	2	8	0.05	< 10	< 10	34	< 10	26
103900N 14650E	201	202	0.01	38	440	6	< 2	3	9	0.06	< 10	< 10	42	< 10	36
103900N 14700E	201	202	< 0.01	25	330	10	2	3	9	0.13	< 10	< 10	89	< 10	48
103900N 14750E	201	202	< 0.01	23	180	6	2	3	12	0.11	< 10	< 10	54	< 10	38
103900N 14850E	201	202	< 0.01	19	560	8	< 2	3	14	0.12	< 10	< 10	88	< 10	42
103900N 14900E	201	202	< 0.01	21	410	8	< 2	4	14	0.11	< 10	< 10	63	< 10	46
103900N 14950E	201	202	0.01	12	200	12	< 2	2	13	0.07	< 10	< 10	34	< 10	18
103900N 15050E	201	202	0.01	38	570	8	< 2	4	14	0.08	< 10	< 10	47	< 10	38
103900N 15100E	201	202	0.01	30	630	10	< 2	4	18	0.09	< 10	< 10	56	< 10	36
103900N 15150E	201	202	0.01	45	350	8	< 2	4	10	0.10	< 10	< 10	81	< 10	54
103900N 15200E	201	202	0.01	39	480	18	< 2	4	11	0.09	< 10	< 10	65	< 10	78

CERTIFICATION: Hart Bichler

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Page Number :4-A
Total Pages :7
Certificate Date: 19-AUG-96
Invoice No. :19627612
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
104000N 14350E	201	202	< 0.2	2.46	< 2	250	0.5	< 2	0.44	< 0.5	13	106	43	2.54	< 10	< 1	0.07	20	1.54	270	< 1
104000N 14450E	201	202	< 0.2	3.68	2	100	0.5	< 2	0.14	< 0.5	8	79	29	3.64	< 10	< 1	0.11	10	0.71	280	1
104000N 14500E	201	202	< 0.2	1.23	2	120	< 0.5	< 2	0.13	< 0.5	5	43	12	1.87	< 10	< 1	0.06	< 10	0.45	175	1
104000N 14550E	201	202	< 0.2	1.41	< 2	70	< 0.5	< 2	0.16	< 0.5	6	60	7	2.15	< 10	< 1	0.06	< 10	0.66	165	< 1
104000N 14600E	201	202	< 0.2	1.84	< 2	80	0.5	< 2	0.24	< 0.5	9	57	9	2.05	< 10	< 1	0.05	10	0.74	185	< 1
104000N 14650E	201	202	< 0.2	1.67	< 2	80	< 0.5	< 2	0.27	< 0.5	8	54	10	2.55	< 10	1	0.07	10	0.69	220	< 1
104000N 14700E	201	202	< 0.2	1.24	2	60	< 0.5	< 2	0.26	< 0.5	6	46	6	1.82	< 10	1	0.08	10	0.64	190	< 1
104000N 14750E	201	202	0.2	1.51	< 2	90	< 0.5	2	0.20	< 0.5	7	53	7	2.60	< 10	< 1	0.05	< 10	0.53	245	1
104000N 14800E	201	202	< 0.2	2.09	< 2	120	< 0.5	< 2	0.28	< 0.5	9	65	21	2.56	< 10	< 1	0.06	10	0.91	210	< 1
104000N 14850E	201	202	< 0.2	2.21	< 2	180	< 0.5	< 2	0.26	< 0.5	9	64	9	3.16	< 10	< 1	0.08	10	0.89	200	1
104000N 14900E	201	202	< 0.2	2.36	< 2	110	< 0.5	< 2	0.21	< 0.5	8	62	9	2.94	< 10	< 1	0.05	< 10	0.75	190	< 1
104000N 14950E	201	202	0.2	2.73	2	100	0.5	< 2	0.21	< 0.5	9	71	16	2.47	< 10	< 1	0.05	10	0.76	180	< 1
104000N 15000E	201	202	0.2	2.11	< 2	120	0.5	< 2	0.21	< 0.5	11	107	16	2.83	< 10	< 1	0.06	10	0.90	195	< 1
104000N 15050E	201	202	0.2	1.87	< 2	100	< 0.5	< 2	0.19	< 0.5	5	66	14	1.50	< 10	1	0.04	10	0.55	100	< 1
104000N 15100E	201	202	< 0.2	1.82	< 2	80	< 0.5	< 2	0.26	< 0.5	7	66	11	1.82	< 10	< 1	0.05	10	0.78	165	< 1
104000N 15150E	201	202	0.2	1.60	4	120	< 0.5	< 2	0.22	< 0.5	7	78	14	1.47	< 10	< 1	0.04	10	0.63	125	< 1
104000N 15200E	201	202	< 0.2	2.15	2	110	0.5	< 2	0.19	< 0.5	12	88	25	2.72	< 10	< 1	0.09	10	1.31	295	1
104000N 15250E	201	202	< 0.2	1.08	2	60	< 0.5	< 2	0.31	< 0.5	6	20	8	1.54	< 10	< 1	0.08	< 10	0.57	205	< 1
104000N 15300E	201	202	< 0.2	1.40	4	50	< 0.5	< 2	0.40	< 0.5	17	77	23	2.65	< 10	< 1	0.11	10	2.08	470	1
104000N 15350E	201	202	< 0.2	1.56	4	60	< 0.5	< 2	0.61	< 0.5	17	45	21	2.66	< 10	< 1	0.10	< 10	1.56	470	1
104000N 15400E	201	202	< 0.2	1.78	< 2	80	< 0.5	< 2	0.35	< 0.5	10	33	15	2.78	< 10	< 1	0.08	< 10	0.82	280	< 1
104000N 15450E	201	202	< 0.2	1.23	< 2	70	< 0.5	< 2	0.21	< 0.5	8	40	9	2.69	< 10	1	0.06	< 10	0.59	205	< 1
104000N 15500E	201	202	< 0.2	1.96	< 2	80	< 0.5	< 2	0.39	< 0.5	7	38	6	2.97	< 10	< 1	0.08	< 10	0.59	230	< 1
104000N 15550E	201	202	0.2	2.76	< 2	170	< 0.5	< 2	0.21	< 0.5	11	49	20	4.59	< 10	< 1	0.18	10	0.70	395	< 1
104000N 15600E	201	202	< 0.2	0.95	< 2	60	< 0.5	< 2	0.17	< 0.5	3	15	7	1.19	< 10	< 1	0.06	10	0.27	105	< 1
104000N 15650E	201	202	< 0.2	1.29	2	60	< 0.5	< 2	0.26	< 0.5	8	25	8	3.09	< 10	< 1	0.06	< 10	0.45	290	< 1
104100N 14300E	201	202	< 0.2	1.80	12	220	< 0.5	< 2	0.63	< 0.5	15	88	31	2.42	< 10	< 1	0.11	10	1.39	420	1
104100N 14350E	201	202	< 0.2	1.08	< 2	50	< 0.5	< 2	0.06	< 0.5	4	38	7	2.19	< 10	< 1	0.06	< 10	0.38	150	1
104100N 14400E	201	202	< 0.2	2.04	6	250	0.5	< 2	0.29	< 0.5	10	91	16	3.18	< 10	< 1	0.13	10	1.14	260	2
104100N 14450E	201	202	< 0.2	1.64	< 2	70	< 0.5	2	0.09	< 0.5	6	67	12	3.14	< 10	< 1	0.08	< 10	0.54	190	1
104100N 14500E	201	202	0.2	4.13	< 2	90	0.5	< 2	0.14	< 0.5	9	87	15	4.29	< 10	< 1	0.10	< 10	0.87	435	1
104100N 14550E	201	202	< 0.2	2.11	< 2	80	< 0.5	< 2	0.13	< 0.5	8	71	14	3.64	< 10	< 1	0.08	< 10	0.75	225	1
104100N 14600E	201	202	0.2	1.59	< 2	80	< 0.5	< 2	0.23	< 0.5	8	49	7	2.67	< 10	< 1	0.06	< 10	0.67	220	< 1
104100N 14650E	201	202	< 0.2	1.78	< 2	60	< 0.5	< 2	0.15	< 0.5	8	84	11	2.47	< 10	< 1	0.06	10	0.87	200	< 1
104100N 14700E	201	202	< 0.2	0.94	2	110	< 0.5	2	0.15	< 0.5	5	44	9	3.14	< 10	< 1	0.08	< 10	0.40	140	7
104100N 14750E	201	202	< 0.2	1.59	< 2	90	< 0.5	< 2	0.17	< 0.5	7	52	7	2.54	< 10	1	0.07	10	0.66	185	< 1
104100N 14800E	201	202	< 0.2	1.22	2	60	< 0.5	< 2	0.14	< 0.5	5	40	6	2.40	< 10	< 1	0.05	< 10	0.47	165	1
104100N 14850E	201	202	< 0.2	1.93	< 2	80	< 0.5	< 2	0.21	< 0.5	8	64	11	3.20	< 10	< 1	0.09	< 10	0.81	200	< 1
104100N 14900E	201	202	< 0.2	1.57	< 2	140	< 0.5	< 2	0.24	< 0.5	5	37	4	2.05	< 10	< 1	0.05	10	0.48	130	< 1
104100N 14950E	201	202	0.2	2.37	2	70	< 0.5	< 2	0.23	< 0.5	6	58	11	2.10	< 10	< 1	0.05	10	0.68	155	< 1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

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

To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 19-AUG-96
Invoice No. : I9627612
P.O. Number :
Account : NSQA

CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
104000N 14350E	201	202	0.02	69	450	10	2	6	23	0.09	< 10	< 10	61	< 10	94
104000N 14450E	201	202	0.01	25	1010	10	2	5	12	0.10	< 10	< 10	70	< 10	62
104000N 14500E	201	202	0.01	16	210	10	< 2	2	12	0.08	< 10	< 10	51	< 10	38
104000N 14550E	201	202	0.01	23	340	6	< 2	3	11	0.08	< 10	< 10	48	< 10	34
104000N 14600E	201	202	0.01	32	480	10	< 2	3	14	0.08	< 10	< 10	40	< 10	34
104000N 14650E	201	202	< 0.01	26	420	10	< 2	3	21	0.10	< 10	< 10	55	< 10	66
104000N 14700E	201	202	0.01	16	370	8	< 2	3	18	0.10	< 10	< 10	43	< 10	44
104000N 14750E	201	202	< 0.01	15	400	12	< 2	3	18	0.11	< 10	< 10	77	< 10	56
104000N 14800E	201	202	0.01	32	320	8	< 2	4	20	0.11	< 10	< 10	53	< 10	50
104000N 14850E	201	202	0.01	26	400	10	< 2	4	22	0.11	< 10	< 10	72	< 10	56
104000N 14900E	201	202	< 0.01	23	240	10	< 2	4	17	0.11	< 10	< 10	60	< 10	42
104000N 14950E	201	202	0.01	33	310	10	< 2	4	15	0.09	< 10	< 10	49	< 10	38
104000N 15000E	201	202	0.01	48	270	10	< 2	4	16	0.11	< 10	< 10	67	< 10	42
104000N 15050E	201	202	0.01	23	750	10	< 2	2	14	0.05	< 10	< 10	37	< 10	20
104000N 15100E	201	202	0.01	36	490	10	< 2	3	15	0.08	< 10	< 10	44	< 10	34
104000N 15150E	201	202	0.01	37	440	16	< 2	3	13	0.07	< 10	< 10	40	< 10	28
104000N 15200E	201	202	0.01	56	450	18	< 2	4	11	0.09	< 10	< 10	61	< 10	82
104000N 15250E	201	202	< 0.01	11	370	8	< 2	2	24	0.08	< 10	< 10	35	< 10	32
104000N 15300E	201	202	< 0.01	94	420	6	< 2	3	24	0.09	< 10	< 10	45	< 10	64
104000N 15350E	201	202	< 0.01	53	500	10	< 2	3	32	0.10	< 10	< 10	47	< 10	54
104000N 15400E	201	202	< 0.01	23	470	8	< 2	3	26	0.11	< 10	< 10	52	< 10	42
104000N 15450E	201	202	< 0.01	16	380	10	< 2	3	18	0.11	< 10	< 10	63	< 10	46
104000N 15500E	201	202	< 0.01	14	480	10	< 2	3	32	0.13	< 10	< 10	72	< 10	46
104000N 15550E	201	202	< 0.01	24	590	20	< 2	4	23	0.10	< 10	< 10	83	< 10	96
104000N 15600E	201	202	0.02	6	230	8	< 2	1	16	0.06	< 10	< 10	32	< 10	26
104000N 15650E	201	202	< 0.01	12	850	10	< 2	3	22	0.13	< 10	< 10	83	< 10	46
104100N 14300E	201	202	0.03	63	690	8	< 2	5	29	0.06	< 10	< 10	53	< 10	66
104100N 14350E	201	202	0.01	12	320	8	< 2	2	5	0.10	< 10	< 10	63	< 10	28
104100N 14400E	201	202	0.01	44	250	12	< 2	6	20	0.12	< 10	< 10	89	< 10	54
104100N 14450E	201	202	0.01	22	410	10	< 2	3	7	0.13	< 10	< 10	86	< 10	70
104100N 14500E	201	202	< 0.01	26	1570	8	< 2	7	9	0.13	< 10	< 10	96	< 10	124
104100N 14550E	201	202	0.01	22	730	8	< 2	5	10	0.14	< 10	< 10	100	< 10	54
104100N 14600E	201	202	< 0.01	21	410	8	< 2	3	18	0.10	< 10	< 10	59	< 10	60
104100N 14650E	201	202	0.01	30	340	8	< 2	4	10	0.09	< 10	< 10	61	< 10	50
104100N 14700E	201	202	< 0.01	14	470	20	< 2	3	14	0.17	< 10	< 10	147	< 10	54
104100N 14750E	201	202	< 0.01	19	430	10	< 2	3	14	0.09	< 10	< 10	61	< 10	38
104100N 14800E	201	202	< 0.01	13	380	8	< 2	2	12	0.10	< 10	< 10	67	< 10	44
104100N 14850E	201	202	0.01	23	310	8	< 2	4	17	0.11	< 10	< 10	77	< 10	50
104100N 14900E	201	202	< 0.01	12	180	10	< 2	3	20	0.11	< 10	< 10	61	< 10	26
104100N 14950E	201	202	0.01	25	390	10	< 2	3	14	0.08	< 10	< 10	41	< 10	36

CERTIFICATION: Hart Bichler

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To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
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VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 19-AUG-96
Invoice No. :19627612
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
104100N 15000E	201	202	0.2	3.31	< 2	110	0.5	< 2	0.16	< 0.5	9	83	11	2.81	< 10	< 1	0.04	< 10	0.68	150	< 1
104100N 15050E	201	202	< 0.2	2.57	6	90	0.5	< 2	0.16	< 0.5	8	95	14	2.97	< 10	< 1	0.08	< 10	0.80	175	< 1
104100N 15100E	201	202	< 0.2	1.28	< 2	60	< 0.5	< 2	0.38	< 0.5	7	54	13	1.76	< 10	< 1	0.06	10	0.82	240	< 1
104100N 15150E	201	202	< 0.2	1.23	< 2	70	< 0.5	< 2	0.43	< 0.5	7	35	15	1.82	< 10	< 1	0.09	10	0.79	265	< 1
104100N 15200E	201	202	< 0.2	1.38	< 2	70	< 0.5	< 2	0.46	< 0.5	13	45	25	2.19	< 10	< 1	0.08	10	1.29	405	< 1
104100N 15250E	201	202	0.2	1.68	6	110	< 0.5	< 2	0.58	< 0.5	15	53	27	2.72	< 10	< 1	0.10	10	1.44	655	< 1
104100N 15300E	201	202	0.2	1.33	2	130	< 0.5	< 2	0.41	< 0.5	8	39	14	2.14	< 10	< 1	0.07	< 10	0.77	290	1
104100N 15350E	201	202	< 0.2	2.02	4	70	< 0.5	< 2	0.80	< 0.5	20	64	29	3.16	< 10	< 1	0.08	10	2.21	580	1
104100N 15400E	201	202	< 0.2	1.81	< 2	110	< 0.5	< 2	0.30	< 0.5	11	44	17	2.52	< 10	< 1	0.08	10	0.85	270	< 1
104100N 15450E	201	202	0.2	1.67	2	60	< 0.5	< 2	0.16	< 0.5	7	57	8	3.31	< 10	< 1	0.07	< 10	0.68	235	1
104100N 15500E	201	202	< 0.2	2.48	2	100	0.5	< 2	0.26	< 0.5	11	39	18	3.53	< 10	< 1	0.11	10	0.77	320	< 1
104100N 15550E	201	202	< 0.2	1.45	< 2	50	< 0.5	< 2	0.22	< 0.5	6	21	8	4.16	< 10	< 1	0.07	< 10	0.40	240	< 1
104100N 15600E	201	202	< 0.2	1.42	< 2	70	< 0.5	< 2	0.19	< 0.5	7	22	10	3.74	< 10	< 1	0.07	< 10	0.40	260	< 1
104100N 15650E	201	202	< 0.2	1.44	< 2	110	< 0.5	< 2	0.19	< 0.5	5	24	8	2.10	< 10	1	0.10	10	0.40	260	< 1
104100N 15700E	201	202	< 0.2	1.69	2	110	< 0.5	< 2	0.28	< 0.5	7	33	11	2.47	< 10	< 1	0.07	10	0.74	225	< 1
104100N 15750E	201	202	< 0.2	1.96	4	90	< 0.5	< 2	0.51	< 0.5	11	45	18	3.47	< 10	< 1	0.06	< 10	1.28	365	1
104100N 15800E	201	202	0.2	1.69	< 2	70	< 0.5	2	0.45	< 0.5	8	37	10	2.78	< 10	< 1	0.05	< 10	0.93	265	2
104100N 15850E	201	202	< 0.2	1.64	< 2	60	< 0.5	< 2	0.38	< 0.5	8	32	10	2.69	< 10	< 1	0.05	10	0.91	255	1
104100N 15900E	201	202	< 0.2	1.31	2	100	< 0.5	< 2	0.45	< 0.5	11	14	8	2.11	< 10	< 1	0.18	< 10	0.71	720	1
104100N 15950E	201	202	< 0.2	1.68	4	170	< 0.5	< 2	0.74	< 0.5	10	17	14	2.29	< 10	< 1	0.22	10	0.70	590	2
104100N 16000E	201	202	< 0.2	0.42	< 2	60	< 0.5	< 2	0.35	< 0.5	1	1	4	0.32	< 10	< 1	0.02	< 10	0.04	20	< 1
104100N 16050E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
104100N 16100E	201	202	< 0.2	0.36	< 2	150	< 0.5	< 2	3.40	2.0	1	3	27	0.23	< 10	< 1	0.02	10	0.17	130	4
104150N 15200E	201	202	< 0.2	1.52	6	60	< 0.5	< 2	0.37	< 0.5	13	69	14	2.99	< 10	< 1	0.09	< 10	0.98	1175	1
104150N 15250E	201	202	< 0.2	0.61	< 2	40	< 0.5	< 2	0.13	< 0.5	6	26	5	1.04	< 10	< 1	0.05	< 10	0.57	325	< 1
104150N 15300E	201	202	< 0.2	1.46	< 2	80	< 0.5	< 2	0.35	< 0.5	5	34	7	1.65	< 10	< 1	0.05	< 10	0.60	170	< 1
104150N 15350E	201	202	1.2	6.43	16	810	2.5	< 2	0.48	0.5	30	137	331	5.86	10	1	0.41	80	1.74	855	3
104150N 15400E	201	202	0.4	2.06	10	260	< 0.5	< 2	0.88	1.0	21	64	47	3.44	< 10	< 1	0.17	10	1.75	665	1
104150N 15450E	201	202	< 0.2	0.95	2	50	< 0.5	< 2	0.26	< 0.5	6	16	12	1.52	< 10	< 1	0.07	< 10	0.55	200	< 1
104150N 15500E	201	202	< 0.2	0.98	2	50	< 0.5	< 2	0.29	< 0.5	7	12	11	1.43	< 10	< 1	0.08	< 10	0.55	245	< 1
104150N 15550E	201	202	0.4	2.34	< 2	260	0.5	< 2	0.48	< 0.5	14	41	37	3.19	< 10	< 1	0.20	10	1.03	745	2
104150N 15600E	201	202	0.2	1.19	2	130	< 0.5	< 2	0.25	< 0.5	5	14	10	1.54	< 10	1	0.11	10	0.47	210	< 1
104200N 15200E	201	202	< 0.2	2.25	4	70	< 0.5	< 2	0.47	< 0.5	11	60	19	3.00	< 10	< 1	0.10	< 10	1.51	370	1
104200N 15250E	201	202	< 0.2	1.91	< 2	120	< 0.5	< 2	0.48	< 0.5	10	34	25	2.56	< 10	< 1	0.13	< 10	0.88	340	< 1
104200N 15300E	201	202	< 0.2	1.45	< 2	80	< 0.5	< 2	0.46	< 0.5	7	46	17	1.96	< 10	< 1	0.07	10	0.89	240	< 1
104200N 15350E	201	202	< 0.2	2.39	2	180	0.5	< 2	0.38	< 0.5	12	96	33	3.10	< 10	< 1	0.11	10	1.59	310	2
104200N 15400E	201	202	< 0.2	1.38	4	80	< 0.5	< 2	0.43	< 0.5	7	49	15	1.77	< 10	< 1	0.06	10	0.99	220	< 1
104200N 15450E	201	202	0.2	1.60	2	190	< 0.5	< 2	0.69	0.5	20	52	20	2.78	< 10	< 1	0.10	< 10	0.90	1605	6
104200N 15500E	201	202	< 0.2	1.82	8	100	< 0.5	< 2	0.44	< 0.5	15	30	30	3.09	< 10	1	0.23	10	1.14	635	< 1
104200N 15550E	201	202	< 0.2	1.12	2	60	< 0.5	< 2	0.42	< 0.5	5	19	9	1.62	< 10	< 1	0.08	< 10	0.54	230	< 1

CERTIFICATION: Hart Bichler

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Page Number :5-B
Total Pages :7
Certificate Date: 19-AUG-96
Invoice No. :I9627612
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
104100N 15000E	201	202	0.01	40	420	12	< 2	4	13	0.08	< 10	< 10	53	< 10	36
104100N 15050E	201	202	0.01	37	510	12	< 2	4	10	0.10	< 10	< 10	69	< 10	46
104100N 15100E	201	202	< 0.01	33	470	8	< 2	3	24	0.09	< 10	< 10	40	< 10	36
104100N 15150E	201	202	< 0.01	26	550	8	< 2	3	27	0.08	< 10	< 10	37	< 10	40
104100N 15200E	201	202	0.01	55	430	6	< 2	3	29	0.10	< 10	< 10	41	< 10	52
104100N 15250E	201	202	0.01	60	540	8	< 2	3	38	0.11	< 10	< 10	51	< 10	62
104100N 15300E	201	202	0.01	28	290	8	< 2	3	33	0.11	< 10	< 10	52	< 10	36
104100N 15350E	201	202	< 0.01	91	500	6	< 2	4	42	0.14	< 10	< 10	62	< 10	62
104100N 15400E	201	202	0.01	33	380	12	< 2	3	23	0.09	< 10	< 10	47	< 10	58
104100N 15450E	201	202	0.01	22	520	10	< 2	3	14	0.13	< 10	< 10	96	< 10	46
104100N 15500E	201	202	< 0.01	23	490	18	< 2	4	24	0.10	< 10	< 10	58	< 10	60
104100N 15550E	201	202	< 0.01	8	1160	10	< 2	2	25	0.12	< 10	< 10	102	< 10	34
104100N 15600E	201	202	< 0.01	9	830	14	< 2	2	22	0.12	< 10	< 10	90	< 10	48
104100N 15650E	201	202	< 0.01	9	380	14	< 2	3	19	0.07	< 10	< 10	65	< 10	36
104100N 15700E	201	202	< 0.01	19	220	10	< 2	3	24	0.09	< 10	< 10	52	< 10	42
104100N 15750E	201	202	< 0.01	31	270	12	< 2	3	32	0.22	< 10	< 10	94	< 10	60
104100N 15800E	201	202	< 0.01	18	180	12	< 2	3	29	0.24	< 10	< 10	93	< 10	44
104100N 15850E	201	202	< 0.01	19	290	16	< 2	3	24	0.17	< 10	< 10	70	< 10	42
104100N 15900E	201	202	< 0.01	8	210	22	2	2	32	0.10	< 10	< 10	36	< 10	62
104100N 15950E	201	202	0.01	8	360	26	< 2	3	49	0.08	< 10	< 10	39	< 10	98
104100N 16000E	201	202	0.07	< 1	200	< 2	< 2	< 1	23	0.02	< 10	< 10	8	< 10	18
104100N 16050E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
104100N 16100E	201	202	0.01	3	740	< 2	< 2	< 1	211	< 0.01	< 10	30	5	< 10	62
104150N 15200E	201	202	0.01	37	450	8	< 2	3	27	0.14	< 10	< 10	77	< 10	46
104150N 15250E	201	202	0.01	19	220	2	< 2	1	8	0.03	< 10	< 10	22	< 10	32
104150N 15300E	201	202	< 0.01	19	280	10	< 2	3	24	0.09	< 10	< 10	39	< 10	26
104150N 15350E	201	202	0.03	585	760	34	< 2	14	55	0.08	< 10	30	100	< 10	236
104150N 15400E	201	202	0.01	84	800	12	< 2	4	61	0.11	< 10	< 10	64	< 10	120
104150N 15450E	201	202	< 0.01	14	300	10	< 2	1	20	0.07	< 10	< 10	27	< 10	32
104150N 15500E	201	202	< 0.01	12	300	10	< 2	1	24	0.07	< 10	< 10	24	< 10	30
104150N 15550E	201	202	0.01	33	630	16	< 2	3	38	0.05	< 10	< 10	53	< 10	80
104150N 15600E	201	202	0.01	7	270	18	< 2	1	23	0.07	< 10	< 10	38	< 10	34
104200N 15200E	201	202	< 0.01	47	250	10	< 2	4	33	0.14	< 10	< 10	63	< 10	82
104200N 15250E	201	202	< 0.01	28	810	12	< 2	4	40	0.11	< 10	< 10	51	< 10	56
104200N 15300E	201	202	0.01	35	430	8	< 2	3	33	0.10	< 10	< 10	45	< 10	36
104200N 15350E	201	202	0.03	62	510	12	< 2	6	23	0.13	< 10	< 10	85	< 10	70
104200N 15400E	201	202	0.01	36	390	18	< 2	3	28	0.09	< 10	< 10	42	< 10	36
104200N 15450E	201	202	0.01	41	400	16	< 2	3	43	0.07	< 10	< 10	55	< 10	82
104200N 15500E	201	202	< 0.01	27	440	14	< 2	5	34	0.10	< 10	< 10	52	< 10	70
104200N 15550E	201	202	0.01	11	310	10	< 2	2	36	0.09	< 10	< 10	37	< 10	32

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

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

To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 19-AUG-96
Invoice No. :I9627612
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
104200N 15600E	201	202	0.8	2.49	2	260	0.5	< 2	0.23	< 0.5	14	43	44	3.57	< 10	< 1	0.27	10	0.63	655	1
104200N 15650E	201	202	< 0.2	1.44	2	150	< 0.5	< 2	0.25	< 0.5	6	33	10	2.15	< 10	< 1	0.06	10	0.56	215	< 1
104200N 15700E	201	202	< 0.2	1.31	8	80	< 0.5	< 2	0.31	< 0.5	9	33	6	2.85	< 10	< 1	0.06	< 10	0.68	320	< 1
104200N 15750E	201	202	0.6	1.81	< 2	150	< 0.5	< 2	0.35	< 0.5	8	38	35	2.18	< 10	< 1	0.11	10	0.78	240	1
104200N 15800E	201	202	0.2	2.03	2	190	< 0.5	< 2	0.80	1.0	64	51	46	3.50	< 10	< 1	0.08	20	0.90	3850	6
104200N 15850E	201	202	0.6	0.90	< 2	230	< 0.5	< 2	1.64	< 0.5	9	9	19	0.80	< 10	< 1	0.03	20	0.16	345	1
104200N 15900E	201	202	0.4	1.70	2	120	< 0.5	< 2	0.54	< 0.5	12	40	32	2.42	< 10	< 1	0.08	30	0.91	375	2
104200N 15950E	201	202	0.2	1.09	4	60	< 0.5	< 2	0.52	< 0.5	7	27	14	1.54	< 10	< 1	0.08	10	0.91	215	< 1
104200N 16000E	201	202	0.2	1.45	2	50	< 0.5	< 2	0.60	< 0.5	11	42	20	2.03	< 10	< 1	0.08	30	1.26	300	< 1
104200N 16050E	201	202	0.6	2.24	< 2	180	0.5	< 2	0.41	< 0.5	20	15	34	3.10	< 10	< 1	0.21	60	0.63	1290	8
104200N 16100E	201	202	< 0.2	1.79	< 2	110	< 0.5	< 2	0.65	< 0.5	14	22	20	2.84	< 10	< 1	0.40	10	1.30	635	1
104200N 16150E	201	202	< 0.2	1.41	2	140	< 0.5	< 2	0.39	< 0.5	6	13	9	1.85	< 10	< 1	0.19	10	0.58	290	2
104200N 16200E	201	202	< 0.2	1.44	< 2	110	< 0.5	< 2	0.57	< 0.5	7	10	6	2.00	< 10	< 1	0.15	< 10	0.70	325	< 1
104300N 14300E	201	202	< 0.2	2.10	2	280	0.5	< 2	0.90	< 0.5	15	103	31	2.78	< 10	< 1	0.12	10	1.57	565	1
104300N 14350E	201	202	0.2	2.32	< 2	130	< 0.5	< 2	0.17	< 0.5	7	92	13	4.06	10	< 1	0.17	< 10	1.00	325	1
104300N 14400E	201	202	< 0.2	1.84	< 2	90	0.5	< 2	0.17	< 0.5	8	95	12	3.19	< 10	< 1	0.07	10	0.94	185	1
104300N 14450E	201	202	0.2	1.86	< 2	220	< 0.5	2	0.11	< 0.5	7	74	14	3.78	10	< 1	0.17	< 10	0.66	265	2
104300N 14500E	201	202	< 0.2	1.85	2	70	< 0.5	< 2	0.18	< 0.5	8	68	8	3.60	< 10	< 1	0.07	< 10	0.78	295	1
104300N 14550E	201	202	0.6	2.55	2	180	0.5	2	0.17	0.5	13	82	35	4.54	10	< 1	0.11	10	0.76	325	3
104300N 14600E	201	202	< 0.2	0.92	2	60	< 0.5	< 2	0.30	< 0.5	4	13	5	1.13	< 10	< 1	0.06	< 10	0.28	130	< 1
104300N 14650E	201	202	< 0.2	1.32	< 2	50	< 0.5	< 2	0.30	< 0.5	6	25	8	2.03	< 10	< 1	0.07	< 10	0.61	220	< 1
104300N 14700E	201	202	0.2	1.90	6	80	< 0.5	2	0.22	< 0.5	7	74	8	3.23	< 10	< 1	0.07	< 10	0.85	220	< 1
104300N 14750E	201	202	< 0.2	2.89	< 2	100	0.5	< 2	0.19	< 0.5	10	81	12	3.03	< 10	< 1	0.08	10	0.91	290	< 1
104300N 14800E	201	202	< 0.2	2.18	2	90	< 0.5	< 2	0.17	< 0.5	7	59	10	2.98	< 10	< 1	0.06	< 10	0.78	190	1
104300N 14850E	201	202	0.2	2.75	< 2	110	0.5	< 2	0.18	< 0.5	8	60	12	2.62	< 10	< 1	0.06	< 10	0.75	175	< 1
104300N 14900E	201	202	< 0.2	1.33	2	60	< 0.5	< 2	0.31	< 0.5	5	50	6	1.51	< 10	< 1	0.07	10	0.70	180	< 1
104300N 14950E	201	202	< 0.2	1.39	< 2	60	< 0.5	< 2	0.24	< 0.5	6	42	5	1.93	< 10	< 1	0.06	10	0.55	195	< 1
104300N 15000E	201	202	< 0.2	2.68	2	100	0.5	< 2	0.28	< 0.5	9	69	12	2.99	< 10	< 1	0.07	10	0.86	220	< 1
104300N 15050E	201	202	< 0.2	1.73	< 2	70	< 0.5	< 2	0.27	< 0.5	5	62	6	2.36	< 10	< 1	0.05	10	0.59	205	< 1
104300N 15100E	201	202	< 0.2	1.85	< 2	80	< 0.5	< 2	0.27	< 0.5	8	69	10	3.60	10	< 1	0.09	10	0.91	330	1
104300N 15150E	201	202	< 0.2	1.99	2	130	< 0.5	< 2	0.40	< 0.5	10	72	39	2.51	< 10	< 1	0.11	10	1.15	270	< 1
104300N 15200E	201	202	0.2	1.75	6	90	< 0.5	< 2	0.37	< 0.5	8	47	22	2.37	< 10	< 1	0.07	10	0.93	285	< 1
104300N 15250E	201	202	0.2	1.24	< 2	150	< 0.5	< 2	0.28	< 0.5	6	56	22	1.79	< 10	< 1	0.07	< 10	0.59	235	< 1
104300N 15300E	201	202	0.4	1.70	2	90	< 0.5	< 2	0.27	< 0.5	9	78	21	2.10	< 10	< 1	0.09	10	0.96	210	< 1
104300N 15350E	201	202	< 0.2	1.30	2	90	< 0.5	< 2	0.25	< 0.5	5	55	5	1.63	< 10	< 1	0.06	< 10	0.67	145	< 1
104300N 15400E	201	202	< 0.2	1.37	< 2	80	< 0.5	< 2	0.26	< 0.5	5	55	4	1.90	< 10	< 1	0.05	< 10	0.55	130	< 1
104300N 15450E	201	202	0.4	0.67	< 2	80	< 0.5	< 2	0.39	< 0.5	4	4	6	0.37	< 10	< 1	0.02	< 10	0.06	355	1
104300N 15500E	201	202	0.2	2.20	< 2	370	< 0.5	< 2	0.52	< 0.5	14	65	25	2.61	< 10	< 1	0.11	10	1.19	490	3
104300N 15550E	201	202	0.2	1.58	< 2	90	< 0.5	< 2	0.37	< 0.5	6	28	9	2.11	< 10	< 1	0.08	< 10	0.50	190	< 1
104300N 15600E	201	202	< 0.2	1.62	2	100	< 0.5	< 2	0.24	< 0.5	6	31	16	2.36	< 10	< 1	0.10	10	0.65	210	< 1

CERTIFICATION: Hart Bichler

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To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 19-AUG-96
Invoice No. :19627612
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
104200N 15600E	201	202	0.03	33	770	24	< 2	3	24	0.05	< 10	< 10	78	< 10	70
104200N 15650E	201	202	0.01	16	310	8	< 2	3	21	0.11	< 10	< 10	55	< 10	38
104200N 15700E	201	202	< 0.01	18	680	8	< 2	2	23	0.11	< 10	< 10	55	< 10	48
104200N 15750E	201	202	0.01	32	740	14	< 2	3	24	0.05	< 10	< 10	41	< 10	60
104200N 15800E	201	202	0.01	40	650	10	< 2	4	49	0.08	< 10	10	59	< 10	130
104200N 15850E	201	202	0.03	10	950	< 2	< 2	< 1	89	0.01	< 10	< 10	10	< 10	12
104200N 15900E	201	202	0.01	37	630	10	< 2	3	33	0.07	< 10	< 10	41	< 10	58
104200N 15950E	201	202	0.01	30	490	8	< 2	2	27	0.07	< 10	< 10	27	< 10	40
104200N 16000E	201	202	< 0.01	57	360	8	< 2	3	33	0.10	< 10	< 10	35	< 10	44
104200N 16050E	201	202	0.03	13	840	50	< 2	4	35	0.07	< 10	10	40	< 10	102
104200N 16100E	201	202	< 0.01	11	600	10	< 2	4	46	0.11	< 10	< 10	45	< 10	74
104200N 16150E	201	202	< 0.01	5	230	18	< 2	2	35	0.09	< 10	< 10	43	< 10	50
104200N 16200E	201	202	< 0.01	5	130	20	< 2	3	48	0.11	< 10	< 10	38	< 10	56
104300N 14300E	201	202	0.04	67	670	6	< 2	6	41	0.10	< 10	< 10	66	< 10	66
104300N 14350E	201	202	0.01	28	730	8	< 2	7	10	0.17	< 10	< 10	131	< 10	70
104300N 14400E	201	202	< 0.01	33	240	8	< 2	4	11	0.11	< 10	< 10	68	< 10	56
104300N 14450E	201	202	< 0.01	19	680	12	< 2	4	9	0.17	< 10	< 10	116	< 10	64
104300N 14500E	201	202	< 0.01	23	1280	8	< 2	4	14	0.11	< 10	< 10	87	< 10	56
104300N 14550E	201	202	< 0.01	27	730	18	< 2	6	18	0.16	< 10	< 10	113	< 10	108
104300N 14600E	201	202	< 0.01	8	250	8	< 2	1	26	0.11	< 10	< 10	37	< 10	22
104300N 14650E	201	202	< 0.01	14	500	10	< 2	3	24	0.09	< 10	< 10	38	< 10	38
104300N 14700E	201	202	< 0.01	26	560	8	< 2	4	16	0.12	< 10	< 10	73	< 10	54
104300N 14750E	201	202	< 0.01	30	380	12	< 2	5	14	0.11	< 10	< 10	62	< 10	90
104300N 14800E	201	202	< 0.01	21	350	12	< 2	4	13	0.10	< 10	< 10	69	< 10	44
104300N 14850E	201	202	< 0.01	25	330	10	< 2	4	14	0.10	< 10	< 10	56	< 10	44
104300N 14900E	201	202	< 0.01	18	190	10	< 2	3	21	0.13	< 10	< 10	45	< 10	34
104300N 14950E	201	202	0.01	13	280	12	< 2	3	19	0.12	< 10	< 10	64	< 10	36
104300N 15000E	201	202	< 0.01	31	360	14	< 2	4	21	0.12	< 10	< 10	59	< 10	50
104300N 15050E	201	202	< 0.01	17	260	10	< 2	3	21	0.13	< 10	< 10	69	< 10	40
104300N 15100E	201	202	< 0.01	25	700	12	< 2	4	19	0.16	< 10	< 10	103	< 10	66
104300N 15150E	201	202	0.01	51	490	10	< 2	5	23	0.11	< 10	< 10	57	< 10	56
104300N 15200E	201	202	< 0.01	33	490	10	< 2	3	21	0.11	< 10	< 10	46	< 10	52
104300N 15250E	201	202	0.01	30	430	10	< 2	2	23	0.07	< 10	< 10	43	< 10	44
104300N 15300E	201	202	0.02	48	560	10	< 2	3	13	0.08	< 10	< 10	47	< 10	44
104300N 15350E	201	202	0.01	22	250	8	< 2	3	16	0.09	< 10	< 10	45	< 10	34
104300N 15400E	201	202	< 0.01	16	220	8	< 2	3	18	0.11	< 10	< 10	49	< 10	30
104300N 15450E	201	202	0.10	5	370	< 2	< 2	< 1	23	0.01	< 10	< 10	8	< 10	4
104300N 15500E	201	202	0.01	33	570	12	< 2	5	36	0.10	< 10	< 10	59	< 10	98
104300N 15550E	201	202	< 0.01	13	350	12	< 2	3	28	0.11	< 10	< 10	51	< 10	30
104300N 15600E	201	202	< 0.01	18	350	14	< 2	3	21	0.08	< 10	< 10	51	< 10	44

CERTIFICATION: Hart Bichler

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 19-AUG-96
Invoice No. :19627612
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
104300N 15650E	201	202	< 0.2	2.11	4	110	< 0.5	< 2	0.32	< 0.5	12	48	22	3.23	< 10	< 1	0.08	10	1.08	330	< 1
104300N 15700E	201	202	0.2	2.55	12	200	< 0.5	2	0.37	< 0.5	18	71	52	3.35	< 10	< 1	0.13	20	1.45	395	1
104300N 15750E	201	202	0.2	2.53	8	300	0.5	< 2	0.52	< 0.5	15	59	77	3.12	< 10	< 1	0.16	30	1.20	540	2
104300N 15800E	201	202	< 0.2	1.53	6	120	< 0.5	< 2	0.23	< 0.5	7	38	21	3.09	< 10	< 1	0.06	10	0.61	200	1
104300N 15850E	201	202	0.6	3.24	8	300	0.5	< 2	1.02	< 0.5	24	57	147	4.09	< 10	< 1	0.30	20	1.68	935	3
104300N 15900E	201	202	< 0.2	1.86	< 2	100	< 0.5	< 2	0.25	< 0.5	9	49	22	2.59	< 10	< 1	0.08	10	0.99	290	< 1
104300N 15950E	201	202	1.2	1.93	< 2	210	0.5	< 2	1.64	< 0.5	15	51	210	2.20	< 10	< 1	0.09	20	0.88	395	4
104300N 16000E	201	202	0.2	1.20	4	60	< 0.5	< 2	0.28	< 0.5	9	42	10	2.60	< 10	< 1	0.07	< 10	1.18	280	2
104300N 16050E	201	202	0.2	1.21	< 2	120	< 0.5	< 2	0.67	< 0.5	5	7	16	1.28	< 10	< 1	0.16	20	0.50	270	< 1

CERTIFICATION: Hart Bichler

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Page Number :7-B
Total Pages :7
Certificate Date: 19-AUG-96
Invoice No. :19627612
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627612

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
104300N 15650E	201	202	0.01	37	570	10	< 2	3	22	0.12	< 10	< 10	60	< 10	66
104300N 15700E	201	202	< 0.01	77	430	14	< 2	5	25	0.11	< 10	< 10	69	< 10	68
104300N 15750E	201	202	0.01	87	350	14	< 2	6	35	0.07	< 10	< 10	57	< 10	78
104300N 15800E	201	202	< 0.01	20	590	8	< 2	3	20	0.10	< 10	< 10	71	< 10	42
104300N 15850E	201	202	< 0.01	111	480	16	< 2	7	62	0.11	< 10	30	55	< 10	178
104300N 15900E	201	202	< 0.01	25	280	12	< 2	3	19	0.11	< 10	< 10	48	< 10	60
104300N 15950E	201	202	0.02	179	650	10	< 2	6	71	0.02	< 10	70	32	< 10	44
104300N 16000E	201	202	< 0.01	31	230	6	< 2	1	17	0.12	< 10	< 10	53	< 10	40
104300N 16050E	201	202	0.03	4	500	6	< 2	1	41	0.04	< 10	< 10	19	< 10	32

CERTIFICATION: Stan Bichler

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Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: COLUMBIA GOLD MINES
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9627615

Comments: CC:DOUG BLANCHFLOWER

CERTIFICATE A9627615

(NSQA) - COLUMBIA GOLD MINES

Project: YUKON-FYRE LAKE
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 20-AUG-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	138	Dry, sieve to -80 mesh
202	138	save reject
229	138	ICP - AQ Digestion charge
* NOTE	1:	

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2118	138	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	138	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	138	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	138	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	138	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	138	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	138	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	138	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	138	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	138	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	138	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	138	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	138	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	138	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	138	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	138	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	138	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	138	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	138	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	138	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	138	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	138	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	138	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	138	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	138	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	138	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	138	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	138	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	138	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	138	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	138	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	138	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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Analytical Chemists * Geochemists * Registered Assayers
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PHONE: 604-984-0221 FAX: 604-984-0218

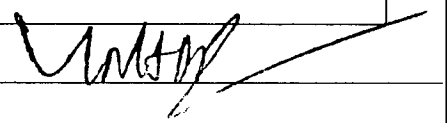
To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 20-AUG-96
Invoice No. :I9627615
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627615

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
103200N 15200E	201	202	< 0.2	1.99	2	120	< 0.5	< 2	0.27	< 0.5	8	53	13	2.97	< 10	< 1	0.10	10	0.81	250	< 1
103200N 15250E	201	202	< 0.2	1.88	2	90	< 0.5	< 2	0.27	< 0.5	9	86	7	2.46	< 10	< 1	0.07	10	0.93	220	< 1
103200N 15300E	201	202	< 0.2	2.14	8	90	< 0.5	< 2	0.77	< 0.5	17	61	31	2.83	< 10	< 1	0.09	10	1.77	415	1
103200N 15350E	201	202	0.2	3.44	18	510	0.5	< 2	0.87	< 0.5	22	109	81	5.19	10	< 1	0.70	10	1.77	1210	1
103200N 15400E	201	202	< 0.2	1.93	< 2	130	< 0.5	< 2	0.37	< 0.5	11	41	35	2.50	< 10	< 1	0.09	10	1.06	340	3
103200N 15450E	201	202	0.2	0.94	< 2	170	0.5	< 2	3.67	0.5	2	9	73	0.55	< 10	< 1	0.03	180	0.14	400	1
103200N 15500E	201	202	0.2	3.29	< 2	230	0.5	< 2	0.96	< 0.5	16	26	37	4.31	< 10	< 1	0.31	30	1.69	620	1
103200N 15600E	201	202	0.4	1.91	< 2	230	0.5	< 2	1.08	0.5	10	25	60	2.22	< 10	< 1	0.15	40	0.75	425	2
103200N 15650E	201	202	0.4	2.55	2	240	0.5	< 2	1.04	< 0.5	17	41	95	3.27	< 10	< 1	0.20	40	1.12	835	6
103200N 15700E	201	202	< 0.2	2.44	< 2	160	0.5	< 2	0.50	< 0.5	17	26	32	3.44	< 10	< 1	0.33	20	1.31	740	3
103200N 15750E	201	202	< 0.2	1.41	< 2	80	< 0.5	< 2	0.37	< 0.5	7	16	9	2.16	< 10	< 1	0.15	10	0.69	310	< 1
103200N 15800E	201	202	< 0.2	1.04	< 2	70	< 0.5	< 2	0.24	< 0.5	5	15	10	1.59	< 10	< 1	0.15	10	0.46	215	2
103200N 15850E	201	202	0.8	2.59	< 2	130	1.0	2	0.38	< 0.5	15	47	69	3.43	< 10	< 1	0.21	40	1.32	785	5
103200N 15900E	201	202	0.2	0.90	< 2	90	< 0.5	< 2	0.23	< 0.5	4	7	9	1.25	< 10	< 1	0.15	< 10	0.35	215	1
103200N 15950E	201	202	0.2	1.51	6	120	< 0.5	< 2	0.25	0.5	8	20	12	3.12	< 10	< 1	0.17	< 10	0.82	330	1
103200N 16000E	201	202	0.2	1.39	2	110	< 0.5	< 2	0.24	< 0.5	7	25	11	2.98	< 10	< 1	0.13	10	0.60	295	1
103200N 16050E	201	202	0.2	2.18	< 2	150	< 0.5	2	0.37	0.5	9	14	7	3.13	< 10	< 1	0.27	< 10	1.45	470	< 1
103200N 16100E	201	202	< 0.2	1.24	2	70	< 0.5	< 2	0.28	< 0.5	4	12	15	1.78	< 10	< 1	0.10	< 10	0.32	180	1
103200N 16150E	201	202	< 0.2	1.65	2	90	< 0.5	< 2	0.31	< 0.5	6	17	18	3.06	< 10	< 1	0.11	10	0.62	255	< 1
103200N 16200E	201	202	0.2	1.80	4	120	< 0.5	2	0.29	< 0.5	6	23	10	2.49	< 10	< 1	0.12	10	0.58	345	1
103300N 14400E	201	202	0.2	1.56	4	70	< 0.5	< 2	0.22	< 0.5	7	70	12	2.33	< 10	< 1	0.04	< 10	0.76	205	< 1
103300N 14450E	201	202	< 0.2	2.33	< 2	70	0.5	< 2	0.14	< 0.5	5	57	9	3.37	< 10	< 1	0.07	< 10	0.58	185	< 1
103300N 14500E	201	202	< 0.2	1.71	< 2	60	< 0.5	2	0.09	< 0.5	4	59	8	2.46	< 10	< 1	0.08	< 10	0.49	155	1
103300N 14550E	201	202	< 0.2	1.20	2	50	< 0.5	< 2	0.06	< 0.5	5	39	8	2.40	< 10	< 1	0.04	< 10	0.39	255	1
103300N 14600E	201	202	0.2	1.32	2	70	< 0.5	< 2	0.07	< 0.5	9	46	73	3.03	< 10	< 1	0.09	< 10	0.45	490	1
103300N 14650E	201	202	< 0.2	2.23	< 2	140	< 0.5	< 2	0.26	< 0.5	9	17	9	3.24	< 10	< 1	0.15	< 10	0.66	285	< 1
103300N 14700E	201	202	< 0.2	1.39	< 2	70	< 0.5	< 2	0.12	< 0.5	4	32	5	2.36	< 10	< 1	0.04	< 10	0.29	160	< 1
103300N 14750E	201	202	< 0.2	1.00	6	70	< 0.5	2	0.13	< 0.5	4	18	3	1.82	< 10	< 1	0.09	< 10	0.32	145	< 1
103300N 14800E	201	202	0.2	1.40	2	90	< 0.5	< 2	0.18	< 0.5	5	30	8	2.15	< 10	< 1	0.06	10	0.36	155	< 1
103300N 14850E	201	202	0.2	2.21	4	90	< 0.5	2	0.26	< 0.5	7	45	9	3.63	< 10	< 1	0.09	< 10	0.78	345	< 1
103300N 14900E	201	202	< 0.2	1.07	< 2	80	< 0.5	< 2	0.22	< 0.5	4	27	4	1.11	< 10	< 1	0.05	10	0.33	110	1
103300N 15000E	201	202	< 0.2	0.78	< 2	40	< 0.5	< 2	0.20	< 0.5	2	41	2	0.89	< 10	< 1	0.04	< 10	0.33	105	< 1
103300N 15050E	201	202	< 0.2	1.83	< 2	80	< 0.5	< 2	0.21	< 0.5	6	36	5	2.97	< 10	< 1	0.07	< 10	0.62	225	< 1
103300N 15100E	201	202	0.2	1.78	< 2	120	< 0.5	< 2	0.19	< 0.5	7	44	5	3.04	< 10	< 1	0.07	10	0.48	240	< 1
103300N 15200E	201	202	< 0.2	1.72	< 2	90	< 0.5	< 2	0.29	< 0.5	9	27	13	2.63	< 10	< 1	0.11	< 10	0.71	915	< 1
103300N 15250E	201	202	< 0.2	1.66	< 2	100	< 0.5	< 2	0.41	< 0.5	8	16	21	2.22	< 10	< 1	0.24	10	0.84	405	< 1
103300N 15300E	201	202	< 0.2	2.26	6	120	< 0.5	< 2	0.89	< 0.5	17	47	34	3.15	< 10	< 1	0.13	10	1.67	480	2
103300N 15350E	201	202	0.2	2.34	14	150	< 0.5	< 2	0.63	< 0.5	27	91	44	3.72	< 10	< 1	0.21	10	2.56	935	1
103300N 15400E	201	202	0.6	2.56	2	270	1.0	< 2	0.68	< 0.5	13	37	84	2.93	< 10	< 1	0.16	70	0.99	480	1
103300N 15450E	201	202	0.2	2.10	12	130	< 0.5	< 2	0.69	1.0	17	53	49	3.07	< 10	< 1	0.17	40	1.07	540	3

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Page Number :1-B
Total Pages :4
Certificate Date: 20-AUG-96
Invoice No. :I9627615
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627615

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
103200N 15200E	201	202	< 0.01	21	580	10	< 2	4	22	0.11	< 10	< 10	54	< 10	52
103200N 15250E	201	202	0.01	34	440	8	< 2	4	19	0.11	< 10	< 10	60	< 10	40
103200N 15300E	201	202	< 0.01	71	450	10	< 2	5	45	0.15	< 10	< 10	58	< 10	62
103200N 15350E	201	202	0.01	77	1240	12	< 2	11	49	0.15	< 10	< 10	123	< 10	156
103200N 15400E	201	202	< 0.01	49	240	8	< 2	4	26	0.11	< 10	< 10	49	< 10	58
103200N 15450E	201	202	0.03	15	890	2	< 2	1	192	0.02	< 10	40	10	< 10	8
103200N 15500E	201	202	< 0.01	12	410	8	< 2	6	65	0.20	< 10	< 10	91	< 10	74
103200N 15600E	201	202	0.02	18	810	18	< 2	3	73	0.05	< 10	10	40	< 10	94
103200N 15650E	201	202	0.01	28	770	26	< 2	5	67	0.09	< 10	10	60	< 10	148
103200N 15700E	201	202	< 0.01	13	500	20	< 2	4	43	0.11	< 10	< 10	56	< 10	96
103200N 15750E	201	202	< 0.01	7	220	18	< 2	3	34	0.10	< 10	< 10	42	< 10	50
103200N 15800E	201	202	< 0.01	4	200	26	< 2	2	22	0.10	< 10	< 10	42	< 10	46
103200N 15850E	201	202	< 0.01	23	590	106	< 2	5	30	0.09	< 10	< 10	49	< 10	180
103200N 15900E	201	202	0.01	3	240	18	< 2	1	22	0.06	< 10	< 10	29	< 10	54
103200N 15950E	201	202	< 0.01	10	430	16	< 2	3	24	0.14	< 10	< 10	73	< 10	106
103200N 16000E	201	202	< 0.01	12	460	20	< 2	3	24	0.13	< 10	< 10	73	< 10	84
103200N 16050E	201	202	< 0.01	6	150	18	< 2	4	38	0.18	< 10	< 10	64	< 10	128
103200N 16100E	201	202	0.01	5	280	10	< 2	2	27	0.08	< 10	< 10	48	< 10	50
103200N 16150E	201	202	< 0.01	8	320	10	< 2	3	27	0.11	< 10	< 10	52	< 10	58
103200N 16200E	201	202	< 0.01	10	260	26	2	3	29	0.12	< 10	< 10	60	< 10	70
103300N 14400E	201	202	0.01	28	270	8	< 2	4	12	0.08	< 10	< 10	47	< 10	42
103300N 14450E	201	202	< 0.01	16	720	6	2	4	10	0.13	< 10	< 10	72	< 10	70
103300N 14500E	201	202	< 0.01	13	330	6	< 2	3	8	0.12	< 10	< 10	61	< 10	52
103300N 14550E	201	202	< 0.01	13	290	6	< 2	2	7	0.09	< 10	< 10	58	< 10	38
103300N 14600E	201	202	< 0.01	13	320	8	< 2	3	6	0.12	< 10	< 10	78	< 10	62
103300N 14650E	201	202	< 0.01	8	190	2	< 2	1	24	0.18	< 10	< 10	52	< 10	36
103300N 14700E	201	202	< 0.01	12	460	10	< 2	1	12	0.10	< 10	< 10	50	< 10	36
103300N 14750E	201	202	< 0.01	5	300	8	< 2	1	11	0.14	< 10	< 10	47	< 10	24
103300N 14800E	201	202	< 0.01	9	230	24	< 2	2	15	0.12	< 10	< 10	52	< 10	28
103300N 14850E	201	202	< 0.01	14	610	8	< 2	3	23	0.15	< 10	< 10	68	< 10	50
103300N 14900E	201	202	0.01	9	100	10	< 2	2	20	0.10	< 10	< 10	35	< 10	18
103300N 15000E	201	202	< 0.01	9	130	6	< 2	1	16	0.08	< 10	< 10	25	< 10	20
103300N 15050E	201	202	< 0.01	12	930	8	< 2	3	19	0.08	< 10	< 10	50	< 10	60
103300N 15100E	201	202	< 0.01	14	730	8	< 2	3	19	0.10	< 10	< 10	58	< 10	84
103300N 15200E	201	202	0.01	12	960	8	< 2	3	28	0.10	< 10	< 10	47	< 10	74
103300N 15250E	201	202	< 0.01	9	380	14	< 2	3	38	0.11	< 10	< 10	38	< 10	68
103300N 15300E	201	202	< 0.01	63	570	12	< 2	5	56	0.16	< 10	< 10	63	< 10	64
103300N 15350E	201	202	< 0.01	115	640	6	< 2	6	33	0.15	< 10	< 10	72	< 10	86
103300N 15400E	201	202	0.01	26	760	20	< 2	6	52	0.06	< 10	30	49	< 10	104
103300N 15450E	201	202	0.01	31	300	16	< 2	5	46	0.11	< 10	< 10	64	< 10	144

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

CERTIFICATE OF ANALYSIS A9627615

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
103300N 15500E	201	202	0.2	4.00	10	160	0.5	2	0.36	0.5	19	261	18	4.76	10	1	0.53	10	2.31	545	1
103300N 15550E	201	202	0.6	2.33	2	180	0.5	< 2	1.21	< 0.5	11	32	70	2.55	< 10	< 1	0.20	70	0.93	455	1
103300N 15600E	201	202	0.8	2.43	2	200	0.5	< 2	1.28	< 0.5	11	31	72	2.49	< 10	< 1	0.16	90	0.92	355	1
103300N 15650E	201	202	1.4	2.53	12	150	1.5	< 2	0.96	< 0.5	11	34	126	2.76	< 10	< 1	0.16	200	0.72	360	4
103300N 15750E	201	202	< 0.2	1.45	4	60	< 0.5	< 2	0.44	< 0.5	7	15	6	2.28	< 10	< 1	0.15	< 10	0.60	255	2
103300N 15800E	201	202	< 0.2	1.86	4	120	< 0.5	< 2	0.59	< 0.5	10	27	17	2.59	< 10	< 1	0.23	10	1.05	440	4
103300N 15850E	201	202	0.2	1.17	< 2	150	< 0.5	< 2	0.47	< 0.5	5	17	26	1.34	< 10	< 1	0.13	20	0.38	275	2
103300N 15900E	201	202	0.2	1.79	2	70	< 0.5	< 2	0.35	< 0.5	8	16	17	3.32	< 10	< 1	0.12	< 10	0.74	350	1
103300N 15950E	201	202	0.2	1.20	< 2	100	< 0.5	< 2	0.35	< 0.5	8	13	20	1.83	< 10	< 1	0.13	10	0.61	355	1
103300N 16000E	201	202	< 0.2	1.54	< 2	90	< 0.5	2	0.26	< 0.5	8	31	13	2.71	< 10	< 1	0.14	10	0.75	315	2
103300N 16050E	201	202	< 0.2	1.87	< 2	80	< 0.5	< 2	0.25	0.5	8	17	13	2.86	< 10	< 1	0.19	10	0.80	425	1
103300N 16100E	201	202	< 0.2	1.90	< 2	130	< 0.5	< 2	0.34	< 0.5	8	24	17	2.75	< 10	< 1	0.14	10	0.82	315	1
103300N 16150E	201	202	< 0.2	1.39	< 2	100	< 0.5	< 2	0.42	< 0.5	6	16	12	2.21	< 10	< 1	0.13	10	0.54	275	1
103300N 16200E	201	202	0.2	1.60	2	100	< 0.5	< 2	0.32	0.5	11	20	10	3.19	< 10	< 1	0.20	10	0.69	595	3
103400N 14400E	201	202	0.2	1.77	< 2	120	< 0.5	< 2	0.15	< 0.5	7	73	12	3.39	10	< 1	0.09	10	0.64	280	1
103400N 14450E	201	202	< 0.2	1.79	< 2	70	< 0.5	< 2	0.12	< 0.5	6	65	12	2.77	< 10	< 1	0.06	10	0.60	260	< 1
103400N 14500E	201	202	< 0.2	1.50	2	70	< 0.5	< 2	0.11	< 0.5	6	54	10	2.57	< 10	< 1	0.07	< 10	0.39	405	< 1
103400N 14550E	201	202	< 0.2	3.75	2	90	0.5	< 2	0.14	< 0.5	9	101	17	4.73	10	< 1	0.10	< 10	0.85	360	2
103400N 14600E	201	202	0.2	2.76	6	130	0.5	< 2	0.18	< 0.5	12	111	22	4.90	10	< 1	0.20	< 10	1.05	455	3
103400N 14650E	201	202	0.2	1.85	2	60	< 0.5	< 2	0.19	< 0.5	7	63	11	2.41	< 10	< 1	0.07	10	0.57	175	1
103400N 14700E	201	202	< 0.2	1.59	4	60	< 0.5	< 2	0.27	< 0.5	6	55	9	2.21	< 10	< 1	0.04	10	0.68	155	< 1
103400N 14750E	201	202	0.2	2.28	< 2	80	< 0.5	2	0.19	< 0.5	8	84	11	3.59	< 10	< 1	0.07	< 10	0.99	315	1
103400N 14800E	201	202	< 0.2	1.57	< 2	80	< 0.5	< 2	0.22	< 0.5	6	41	8	2.76	< 10	< 1	0.08	10	0.67	275	< 1
103400N 14850E	201	202	< 0.2	1.06	2	50	< 0.5	< 2	0.21	< 0.5	5	29	5	1.94	< 10	< 1	0.06	< 10	0.34	165	1
103400N 14900E	201	202	0.4	1.80	2	50	< 0.5	< 2	0.20	< 0.5	6	46	8	2.82	< 10	< 1	0.05	< 10	0.59	200	< 1
103400N 14950E	201	202	< 0.2	1.05	2	60	< 0.5	< 2	0.13	< 0.5	4	80	6	1.63	< 10	< 1	0.05	10	0.37	130	< 1
103400N 15000E	201	202	< 0.2	1.51	< 2	100	< 0.5	< 2	0.18	< 0.5	6	48	5	2.42	< 10	< 1	0.05	< 10	0.55	195	< 1
103400N 15100E	201	202	< 0.2	1.24	< 2	70	< 0.5	< 2	0.14	< 0.5	4	23	6	2.23	< 10	< 1	0.05	< 10	0.27	125	< 1
103400N 15150E	201	202	0.2	1.97	2	90	< 0.5	< 2	0.18	< 0.5	9	45	15	3.41	< 10	< 1	0.09	< 10	0.86	305	< 1
103400N 15200E	201	202	< 0.2	1.51	< 2	120	< 0.5	< 2	0.18	< 0.5	7	58	7	1.93	< 10	< 1	0.05	< 10	0.65	145	< 1
103400N 15250E	201	202	< 0.2	1.81	< 2	80	< 0.5	< 2	0.32	< 0.5	10	40	15	2.65	< 10	< 1	0.15	< 10	0.91	430	< 1
103400N 15300E	201	202	< 0.2	1.73	8	70	< 0.5	< 2	0.69	< 0.5	16	49	26	2.70	< 10	< 1	0.08	10	1.72	505	1
103400N 15350E	201	202	< 0.2	2.08	8	80	< 0.5	< 2	0.83	< 0.5	16	54	31	2.98	< 10	< 1	0.11	10	1.78	470	1
103400N 15600E	201	202	< 0.2	0.88	< 2	50	< 0.5	< 2	0.18	< 0.5	5	31	8	1.92	< 10	< 1	0.06	10	0.20	135	1
103400N 15650E	201	202	< 0.2	1.75	< 2	80	< 0.5	< 2	0.37	< 0.5	7	39	8	2.59	< 10	< 1	0.06	< 10	0.68	215	< 1
103400N 15700E	201	202	0.2	1.61	4	80	< 0.5	2	0.36	< 0.5	8	34	8	3.04	< 10	< 1	0.09	10	0.63	270	1
103400N 15750E	201	202	< 0.2	1.48	< 2	70	< 0.5	< 2	0.49	< 0.5	7	11	12	1.90	< 10	< 1	0.18	10	0.72	305	< 1
103400N 15800E	201	202	0.2	1.43	< 2	70	< 0.5	< 2	0.32	< 0.5	6	15	6	2.70	< 10	< 1	0.11	< 10	0.59	230	< 1
103400N 15850E	201	202	0.2	1.60	< 2	90	< 0.5	2	0.22	< 0.5	6	19	7	3.51	< 10	< 1	0.11	10	0.58	230	< 1
103400N 15900E	201	202	< 0.2	1.55	4	90	< 0.5	< 2	0.39	< 0.5	6	13	4	2.79	< 10	< 1	0.15	< 10	0.59	230	1

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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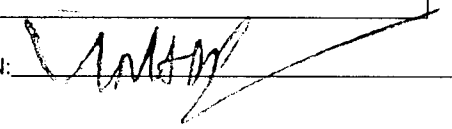
To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 20-AUG-96
Invoice No. :I9627615
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627615

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
103300N 15500E	201	202	< 0.01	93	360	14	< 2	9	30	0.24	< 10	< 10	110	< 10	124
103300N 15550E	201	202	0.01	21	670	18	< 2	6	81	0.09	< 10	30	44	< 10	112
103300N 15600E	201	202	0.01	22	670	16	< 2	7	89	0.09	< 10	40	43	< 10	102
103300N 15650E	201	202	0.03	21	860	28	< 2	9	76	0.07	< 10	110	42	< 10	136
103300N 15750E	201	202	< 0.01	5	110	12	< 2	4	44	0.12	< 10	< 10	52	< 10	42
103300N 15800E	201	202	< 0.01	10	170	16	< 2	3	49	0.17	< 10	< 10	50	< 10	86
103300N 15850E	201	202	< 0.01	6	240	28	< 2	3	41	0.10	< 10	< 10	34	< 10	42
103300N 15900E	201	202	< 0.01	6	350	20	< 2	4	38	0.12	< 10	< 10	64	< 10	80
103300N 15950E	201	202	0.03	7	400	20	< 2	1	25	0.07	< 10	< 10	35	< 10	106
103300N 16000E	201	202	< 0.01	17	240	20	< 2	3	26	0.17	< 10	< 10	72	< 10	96
103300N 16050E	201	202	< 0.01	7	170	48	< 2	3	24	0.10	< 10	< 10	64	< 10	164
103300N 16100E	201	202	< 0.01	11	270	22	< 2	3	31	0.10	< 10	< 10	53	< 10	90
103300N 16150E	201	202	< 0.01	7	390	12	< 2	3	36	0.09	< 10	< 10	46	< 10	72
103300N 16200E	201	202	0.01	8	500	24	< 2	3	28	0.15	< 10	< 10	82	< 10	102
103400N 14400E	201	202	0.01	21	1130	10	< 2	4	12	0.13	< 10	< 10	101	< 10	50
103400N 14450E	201	202	< 0.01	21	320	8	< 2	3	10	0.10	< 10	< 10	56	< 10	54
103400N 14500E	201	202	0.01	15	620	8	< 2	2	9	0.09	< 10	< 10	59	< 10	58
103400N 14550E	201	202	< 0.01	21	1190	8	< 2	8	9	0.17	< 10	< 10	113	< 10	68
103400N 14600E	201	202	< 0.01	29	1350	10	< 2	7	10	0.17	< 10	< 10	111	< 10	78
103400N 14650E	201	202	0.02	23	540	8	2	4	15	0.11	< 10	< 10	61	< 10	50
103400N 14700E	201	202	0.01	20	430	8	< 2	4	16	0.09	< 10	< 10	52	< 10	28
103400N 14750E	201	202	< 0.01	19	500	12	< 2	5	14	0.15	< 10	< 10	95	< 10	70
103400N 14800E	201	202	0.01	14	370	8	< 2	3	21	0.15	< 10	< 10	66	< 10	46
103400N 14850E	201	202	0.01	8	390	8	< 2	2	19	0.09	< 10	< 10	46	< 10	34
103400N 14900E	201	202	< 0.01	15	520	6	< 2	3	17	0.11	< 10	< 10	56	< 10	42
103400N 14950E	201	202	0.02	19	410	6	< 2	1	14	0.09	< 10	< 10	39	< 10	24
103400N 15000E	201	202	0.01	15	570	8	< 2	3	15	0.08	< 10	< 10	50	< 10	48
103400N 15100E	201	202	< 0.01	7	530	8	< 2	1	13	0.09	< 10	< 10	47	< 10	30
103400N 15150E	201	202	< 0.01	20	1180	8	< 2	3	14	0.08	< 10	< 10	53	< 10	60
103400N 15200E	201	202	0.01	27	310	6	< 2	3	12	0.08	< 10	< 10	43	< 10	34
103400N 15250E	201	202	< 0.01	20	610	10	< 2	3	25	0.10	< 10	< 10	48	< 10	58
103400N 15300E	201	202	< 0.01	67	570	8	< 2	4	39	0.14	< 10	< 10	50	< 10	52
103400N 15350E	201	202	< 0.01	68	600	10	< 2	5	50	0.15	< 10	< 10	60	< 10	54
103400N 15600E	201	202	0.01	11	230	10	< 2	2	18	0.10	< 10	< 10	80	< 10	36
103400N 15650E	201	202	< 0.01	15	210	10	< 2	3	26	0.18	< 10	< 10	78	< 10	38
103400N 15700E	201	202	< 0.01	14	300	12	< 2	3	30	0.21	< 10	< 10	95	< 10	46
103400N 15750E	201	202	< 0.01	5	370	12	< 2	3	45	0.09	< 10	< 10	37	< 10	46
103400N 15800E	201	202	< 0.01	6	630	12	< 2	3	34	0.09	< 10	< 10	55	< 10	42
103400N 15850E	201	202	< 0.01	7	910	12	< 2	3	24	0.12	< 10	< 10	73	< 10	52
103400N 15900E	201	202	< 0.01	4	480	8	< 2	3	39	0.13	< 10	< 10	61	< 10	50

CERTIFICATION: 

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To: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
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Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Page Number :3-A
Total Pages :4
Certificate Date: 20-AUG-96
Invoice No. :I9627615
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627615

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
103400N 15950E	201	202	< 0.2	1.40	< 2	90	< 0.5	< 2	0.28	< 0.5	7	15	7	2.60	< 10	1	0.12	< 10	0.63	240	< 1
103400N 16050E	201	202	0.2	1.81	< 2	110	< 0.5	2	0.56	< 0.5	11	23	43	2.56	< 10	< 1	0.17	20	1.05	435	1
103400N 16100E	201	202	0.8	2.82	< 2	250	0.5	< 2	0.64	< 0.5	13	33	84	3.34	< 10	< 1	0.19	50	1.16	755	1
103400N 16200E	201	202	< 0.2	1.95	2	120	< 0.5	< 2	0.50	< 0.5	11	29	26	2.75	< 10	< 1	0.15	10	1.13	485	1
103500N 14400E	201	202	0.2	3.04	< 2	380	< 0.5	2	0.92	< 0.5	23	19	14	4.04	< 10	< 1	0.25	20	2.39	780	1
103500N 14450E	201	202	< 0.2	2.53	2	130	< 0.5	< 2	0.21	< 0.5	10	81	15	4.28	10	< 1	0.12	10	1.01	435	1
103500N 14500E	201	202	< 0.2	1.59	< 2	100	< 0.5	2	0.14	< 0.5	8	65	14	2.96	< 10	< 1	0.09	10	0.47	275	2
103500N 14550E	201	202	< 0.2	3.07	< 2	100	0.5	< 2	0.18	< 0.5	13	53	20	4.53	< 10	< 1	0.17	< 10	1.03	730	1
103500N 14600E	201	202	0.2	3.49	< 2	130	0.5	2	0.18	< 0.5	12	95	26	4.58	10	< 1	0.12	10	1.33	680	4
103500N 14650E	201	202	< 0.2	1.26	< 2	60	< 0.5	< 2	0.15	< 0.5	5	49	7	1.81	< 10	< 1	0.07	< 10	0.47	145	< 1
103500N 14700E	201	202	< 0.2	1.34	< 2	60	< 0.5	< 2	0.25	< 0.5	7	21	4	1.81	< 10	< 1	0.14	< 10	0.75	280	< 1
103500N 14750E	201	202	< 0.2	0.95	6	60	< 0.5	< 2	0.12	< 0.5	3	20	5	1.36	< 10	< 1	0.05	< 10	0.14	95	< 1
103500N 14800E	201	202	< 0.2	1.52	< 2	50	< 0.5	2	0.10	< 0.5	5	57	10	3.17	< 10	< 1	0.05	< 10	0.45	195	< 1
103500N 14850E	201	202	0.2	1.07	< 2	70	< 0.5	< 2	0.12	< 0.5	5	32	6	1.99	< 10	< 1	0.04	< 10	0.29	140	< 1
103500N 14900E	201	202	< 0.2	1.11	< 2	60	< 0.5	< 2	0.19	< 0.5	5	16	2	1.73	< 10	< 1	0.11	< 10	0.45	180	< 1
103500N 14950E	201	202	< 0.2	1.34	2	50	< 0.5	< 2	0.09	< 0.5	5	27	8	2.68	< 10	< 1	0.06	< 10	0.48	180	< 1
103500N 15000E	201	202	< 0.2	0.48	< 2	30	< 0.5	< 2	0.05	< 0.5	< 1	10	< 1	0.25	< 10	< 1	0.01	< 10	0.05	15	< 1
103500N 15100E	201	202	< 0.2	1.18	4	80	< 0.5	< 2	0.18	< 0.5	6	25	5	2.32	< 10	< 1	0.08	< 10	0.45	170	< 1
103500N 15150E	201	202	< 0.2	1.41	< 2	110	< 0.5	2	0.15	< 0.5	6	42	8	2.73	< 10	< 1	0.06	< 10	0.54	175	< 1
103500N 15200E	201	202	< 0.2	0.44	< 2	20	< 0.5	< 2	0.12	< 0.5	< 1	21	1	0.34	< 10	< 1	0.03	< 10	0.10	35	< 1
103500N 15250E	201	202	< 0.2	1.06	2	60	< 0.5	< 2	0.12	< 0.5	4	40	12	1.80	< 10	< 1	0.06	< 10	0.40	120	< 1
103500N 15300E	201	202	< 0.2	1.70	2	90	< 0.5	< 2	0.29	< 0.5	9	21	23	2.52	< 10	< 1	0.17	10	0.79	375	< 1
103500N 15400E	201	202	< 0.2	2.36	16	110	< 0.5	< 2	0.75	1.5	71	378	50	3.81	< 10	< 1	0.09	10	2.77	1670	< 1
103500N 15450E	201	202	< 0.2	2.22	4	90	< 0.5	2	0.40	< 0.5	11	63	19	4.24	< 10	< 1	0.17	< 10	0.86	285	2
103500N 15500E	201	202	0.4	0.96	< 2	60	< 0.5	< 2	0.22	0.5	5	9	20	1.67	< 10	< 1	0.12	< 10	0.37	190	1
103500N 15550E	201	202	< 0.2	1.65	< 2	90	< 0.5	2	0.40	< 0.5	12	14	9	3.07	< 10	< 1	0.31	< 10	0.97	355	< 1
103500N 15600E	201	202	< 0.2	1.64	< 2	170	< 0.5	< 2	0.89	< 0.5	9	21	18	2.23	< 10	< 1	0.22	10	0.91	330	1
103500N 15650E	201	202	0.4	1.76	2	190	< 0.5	< 2	0.98	< 0.5	9	16	33	2.06	< 10	< 1	0.22	20	0.76	415	< 1
103500N 15700E	201	202	0.8	2.18	2	210	0.5	< 2	1.38	< 0.5	12	18	50	2.78	< 10	< 1	0.34	40	1.13	505	1
103500N 15750E	201	202	< 0.2	1.65	< 2	140	< 0.5	< 2	0.60	< 0.5	11	18	14	2.60	< 10	< 1	0.22	10	0.94	525	2
103500N 15800E	201	202	0.2	1.39	< 2	130	< 0.5	< 2	0.69	< 0.5	9	11	14	1.89	< 10	< 1	0.15	< 10	0.75	705	2
103500N 15850E	201	202	1.0	2.35	< 2	180	0.5	< 2	0.98	0.5	12	21	81	3.04	< 10	< 1	0.29	50	1.20	955	2
103500N 15900E	201	202	0.2	1.90	2	190	< 0.5	< 2	0.77	1.0	12	24	35	2.84	< 10	< 1	0.17	10	0.92	640	3
103500N 15950E	201	202	0.2	1.91	< 2	150	< 0.5	< 2	0.72	1.5	12	19	36	2.71	< 10	< 1	0.18	10	1.10	680	3
103500N 16000E	201	202	0.6	1.44	2	170	< 0.5	< 2	0.93	2.0	10	15	34	2.01	< 10	< 1	0.15	10	0.73	545	3
103500N 16050E	201	202	< 0.2	1.73	< 2	110	< 0.5	< 2	0.47	< 0.5	9	20	25	2.42	< 10	< 1	0.21	10	0.98	425	< 1
103500N 16100E	201	202	0.2	1.63	< 2	80	< 0.5	< 2	0.37	< 0.5	9	22	17	2.58	< 10	< 1	0.16	10	0.84	350	1
103500N 16150E	201	202	0.2	1.32	2	60	< 0.5	< 2	0.29	< 0.5	6	16	7	1.97	< 10	< 1	0.12	< 10	0.70	250	1
103500N 16200E	201	202	0.2	1.64	2	200	< 0.5	< 2	0.41	< 0.5	8	28	14	2.72	< 10	< 1	0.11	10	0.99	290	1
103900N 15250E	201	202	< 0.2	1.02	< 2	50	< 0.5	< 2	0.22	< 0.5	4	13	4	1.75	< 10	< 1	0.08	< 10	0.38	180	< 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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 20-AUG-96
Invoice No. :I9627615
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627615

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
103400N 15950E	201	202	< 0.01	7	540	8	< 2	2	27	0.11	< 10	< 10	56	< 10	66
103400N 16050E	201	202	< 0.01	14	320	20	< 2	4	36	0.11	< 10	< 10	42	< 10	112
103400N 16100E	201	202	< 0.01	21	880	34	< 2	7	40	0.07	< 10	< 10	53	< 10	168
103400N 16200E	201	202	< 0.01	16	360	18	< 2	4	35	0.11	< 10	< 10	49	< 10	114
103500N 14400E	201	202	< 0.01	9	390	< 2	< 2	4	68	0.24	< 10	< 10	59	< 10	82
103500N 14450E	201	202	0.01	29	840	8	2	7	16	0.15	< 10	< 10	112	< 10	124
103500N 14500E	201	202	0.01	18	440	10	< 2	4	12	0.15	< 10	< 10	107	< 10	60
103500N 14550E	201	202	0.02	18	970	6	< 2	8	13	0.17	< 10	< 10	90	< 10	82
103500N 14600E	201	202	0.01	32	830	10	< 2	10	12	0.19	< 10	< 10	165	< 10	188
103500N 14650E	201	202	0.01	16	200	6	< 2	2	12	0.11	< 10	< 10	49	< 10	26
103500N 14700E	201	202	0.01	6	170	8	< 2	1	20	0.14	< 10	< 10	50	< 10	40
103500N 14750E	201	202	0.02	5	210	4	< 2	1	13	0.09	< 10	< 10	39	< 10	18
103500N 14800E	201	202	0.01	18	490	8	< 2	2	8	0.12	< 10	< 10	81	< 10	34
103500N 14850E	201	202	< 0.01	10	240	10	< 2	1	11	0.10	< 10	< 10	54	< 10	40
103500N 14900E	201	202	< 0.01	5	270	2	< 2	1	15	0.13	< 10	< 10	47	< 10	28
103500N 14950E	201	202	< 0.01	8	540	6	< 2	1	9	0.10	< 10	< 10	53	< 10	38
103500N 15000E	201	202	< 0.01	1	140	10	< 2	< 1	6	0.06	< 10	< 10	13	< 10	4
103500N 15100E	201	202	< 0.01	10	710	6	< 2	1	17	0.08	< 10	< 10	42	< 10	32
103500N 15150E	201	202	< 0.01	17	380	6	< 2	2	13	0.09	< 10	< 10	58	< 10	34
103500N 15200E	201	202	0.03	3	110	6	< 2	< 1	9	0.06	< 10	< 10	14	< 10	6
103500N 15250E	201	202	0.01	19	480	6	< 2	2	10	0.07	< 10	< 10	44	< 10	36
103500N 15300E	201	202	< 0.01	13	420	10	< 2	3	28	0.09	< 10	< 10	39	< 10	60
103500N 15400E	201	202	0.03	1050	540	8	< 2	6	21	0.08	< 10	< 10	70	< 10	140
103500N 15450E	201	202	< 0.01	28	340	8	< 2	5	47	0.30	< 10	< 10	104	< 10	90
103500N 15500E	201	202	0.03	5	370	8	< 2	1	20	0.07	< 10	< 10	35	< 10	40
103500N 15550E	201	202	< 0.01	6	370	10	< 2	3	37	0.15	< 10	< 10	59	< 10	54
103500N 15600E	201	202	0.01	10	200	8	< 2	3	54	0.12	< 10	< 10	45	< 10	56
103500N 15650E	201	202	0.03	11	550	10	< 2	4	59	0.07	< 10	< 10	38	< 10	68
103500N 15700E	201	202	0.01	12	630	14	< 2	5	79	0.09	< 10	< 10	46	< 10	98
103500N 15750E	201	202	< 0.01	9	290	12	< 2	3	40	0.12	< 10	< 10	49	< 10	112
103500N 15800E	201	202	0.01	5	220	6	< 2	3	46	0.10	< 10	< 10	36	< 10	76
103500N 15850E	201	202	0.01	13	670	22	< 2	6	58	0.08	< 10	20	52	< 10	122
103500N 15900E	201	202	0.01	11	340	30	< 2	3	45	0.09	< 10	< 10	48	< 10	204
103500N 15950E	201	202	0.01	10	430	30	< 2	4	44	0.11	< 10	< 10	48	< 10	148
103500N 16000E	201	202	0.02	7	380	16	< 2	3	52	0.09	< 10	< 10	39	< 10	120
103500N 16050E	201	202	0.01	12	440	14	< 2	3	34	0.11	< 10	< 10	44	< 10	126
103500N 16100E	201	202	< 0.01	12	260	10	< 2	3	29	0.12	< 10	< 10	47	< 10	84
103500N 16150E	201	202	< 0.01	7	170	8	< 2	2	20	0.11	< 10	< 10	40	< 10	74
103500N 16200E	201	202	0.01	15	320	14	< 2	3	31	0.11	< 10	< 10	58	< 10	82
103900N 15250E	201	202	< 0.01	5	350	10	< 2	1	21	0.09	< 10	< 10	38	< 10	28

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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 20-AUG-96
Invoice No. :19627615
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627615

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
103900N 15350E	201	202	< 0.2	1.14	< 2	120	< 0.5	< 2	0.33	< 0.5	6	13	8	1.54	< 10	< 1	0.11	< 10	0.46	330	< 1
103900N 15400E	201	202	< 0.2	1.27	< 2	60	< 0.5	< 2	0.41	< 0.5	6	24	11	1.80	< 10	< 1	0.12	< 10	0.67	255	1
103900N 15450E	201	202	< 0.2	1.49	< 2	80	< 0.5	< 2	0.39	< 0.5	5	55	5	2.12	< 10	< 1	0.07	10	0.67	240	1
103900N 15500E	201	202	< 0.2	1.58	2	130	< 0.5	< 2	0.31	< 0.5	16	38	19	3.35	< 10	< 1	0.13	10	0.69	530	3
103900N 15550E	201	202	< 0.2	1.01	< 2	40	< 0.5	< 2	0.26	< 0.5	6	34	7	2.50	< 10	< 1	0.06	< 10	0.47	250	1
103900N 15600E	201	202	0.2	1.63	6	80	< 0.5	2	0.25	< 0.5	10	61	15	4.39	< 10	< 1	0.05	< 10	0.94	360	1
103900N 15650E	201	202	< 0.2	1.77	< 2	110	< 0.5	< 2	0.32	< 0.5	8	34	17	2.67	< 10	< 1	0.12	10	0.81	340	2
103900N 15700E	201	202	< 0.2	0.87	< 2	40	< 0.5	< 2	0.33	< 0.5	4	12	4	1.22	< 10	< 1	0.09	< 10	0.31	160	1
103900N 15750E	201	202	0.2	2.39	16	200	0.5	< 2	0.71	< 0.5	14	36	49	3.25	< 10	< 1	0.22	10	1.02	610	4
103900N 15800E	201	202	< 0.2	1.81	< 2	90	< 0.5	< 2	0.33	< 0.5	6	17	14	3.02	< 10	< 1	0.12	10	0.69	315	3
103900N 15850E	201	202	< 0.2	0.64	< 2	30	< 0.5	< 2	0.13	< 0.5	1	6	4	0.55	< 10	< 1	0.05	< 10	0.09	70	< 1
103900N 15900E	201	202	< 0.2	0.55	< 2	30	< 0.5	< 2	0.13	< 0.5	2	6	4	0.76	< 10	< 1	0.06	10	0.09	85	1
103900N 15950E	201	202	< 0.2	1.74	< 2	70	< 0.5	< 2	0.17	< 0.5	10	17	21	3.51	< 10	1	0.09	10	0.89	560	1
103900N 16000E	201	202	< 0.2	1.13	< 2	50	< 0.5	< 2	0.17	< 0.5	7	10	13	2.83	< 10	< 1	0.15	< 10	0.51	325	2
103900N 16050E	201	202	< 0.2	1.67	< 2	70	< 0.5	< 2	0.26	< 0.5	9	13	9	2.96	< 10	< 1	0.20	< 10	0.96	405	1
103900N 16100E	201	202	< 0.2	1.27	< 2	110	< 0.5	< 2	0.32	< 0.5	6	10	10	1.94	< 10	< 1	0.14	< 10	0.64	265	1
103900N 16150E	201	202	< 0.2	1.87	< 2	70	< 0.5	< 2	0.42	< 0.5	11	14	12	2.98	< 10	< 1	0.21	< 10	1.16	505	1
103900N 16200E	201	202	< 0.2	1.76	< 2	50	< 0.5	< 2	0.34	< 0.5	8	12	8	3.04	< 10	< 1	0.12	< 10	0.92	360	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: COLUMBIA GOLD MINES **
ATTN: DOUG BLANCHFLOWER
1500 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : YUKON-FYRE LAKE
Comments: CC:DOUG BLANCHFLOWER

Certificate Date: 20-AUG-96
Invoice No. :I9627615
P.O. Number :
Account :NSQA

CERTIFICATE OF ANALYSIS A9627615

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
103900N 15350E	201	202	0.01	9	310	10	< 2	1	32	0.06	< 10	< 10	31	< 10	32
103900N 15400E	201	202	< 0.01	11	290	20	< 2	3	37	0.09	< 10	< 10	36	< 10	34
103900N 15450E	201	202	< 0.01	16	170	24	< 2	3	31	0.13	< 10	< 10	54	< 10	38
103900N 15500E	201	202	< 0.01	24	470	22	< 2	3	25	0.09	< 10	< 10	91	< 10	72
103900N 15550E	201	202	< 0.01	14	400	6	< 2	2	20	0.12	< 10	< 10	81	< 10	38
103900N 15600E	201	202	< 0.01	39	570	8	< 2	3	19	0.21	< 10	< 10	112	< 10	48
103900N 15650E	201	202	< 0.01	19	200	12	< 2	3	25	0.12	< 10	< 10	61	< 10	50
103900N 15700E	201	202	0.01	4	160	6	< 2	2	30	0.09	< 10	< 10	36	< 10	26
103900N 15750E	201	202	0.01	26	390	20	< 2	4	48	0.08	< 10	< 10	60	< 10	130
103900N 15800E	201	202	< 0.01	6	200	18	< 2	4	28	0.06	< 10	< 10	56	< 10	54
103900N 15850E	201	202	0.01	1	80	24	< 2	1	15	0.05	< 10	< 10	22	< 10	12
103900N 15900E	201	202	0.01	1	100	52	< 2	1	15	0.06	< 10	< 10	33	< 10	22
103900N 15950E	201	202	< 0.01	7	230	36	< 2	3	17	0.09	< 10	< 10	48	< 10	98
103900N 16000E	201	202	< 0.01	3	280	34	< 2	2	19	0.14	< 10	< 10	74	< 10	44
103900N 16050E	201	202	< 0.01	5	270	14	< 2	3	25	0.14	< 10	< 10	54	< 10	62
103900N 16100E	201	202	0.01	4	250	16	< 2	2	30	0.11	< 10	< 10	44	< 10	66
103900N 16150E	201	202	< 0.01	6	470	10	< 2	3	37	0.14	< 10	< 10	54	< 10	60
103900N 16200E	201	202	< 0.01	5	280	8	< 2	3	34	0.13	< 10	< 10	59	< 10	48

CERTIFICATION:

(90)

COMP: COLUMBIA GOLD MINES
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0110-SJ1+2
DATE: 96/09/11
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 108600N 13350E	.1	1.74	38	111	.1	1	.28	.1	8	48	19	2.30	1	.10	14	1.07	306	11	.02	30	940	1	1	1	17	1	.04	1	61.7	1	74
L 108600N 13400E	.1	1.96	82	188	.1	1	.25	.1	11	51	23	2.66	1	.18	14	1.18	656	13	.03	33	730	1	1	2	20	1	.08	1	76.6	1	124
L 108600N 13450E	.1	2.74	83	181	.1	1	.33	.1	14	68	28	3.27	1	.16	22	1.47	594	16	.03	42	1170	1	4	2	27	1	.08	1	85.8	1	111
L 108600N 13500E	.1	2.44	110	203	.1	1	.62	.1	19	70	33	3.12	1	.22	28	1.59	653	14	.04	54	1180	1	1	2	38	1	.07	1	71.0	1	123
L 108600N 13550E	.1	2.55	82	207	.1	1	.60	.1	16	62	26	3.44	1	.12	25	1.60	597	16	.04	45	1290	1	2	2	37	1	.07	1	79.1	1	105
L 108600N 13650E	.7	2.54	98	178	.1	1	1.67	.1	25	38	168	2.19	1	.09	17	.73	1004	16	.03	64	1280	1	11	1	59	1	.03	1	54.3	2	81
L 108600N 13700E	.1	1.78	42	180	.1	1	1.38	.1	10	35	67	1.92	1	.10	18	.76	304	9	.03	42	460	1	4	1	43	1	.04	1	40.9	1	61
L 108600N 13750E	.2	2.87	107	154	.1	1	1.15	.1	19	68	88	3.29	1	.14	45	1.52	489	14	.04	72	650	1	5	2	47	1	.08	1	74.7	1	95
L 108600N 13800E	.1	2.55	105	151	.1	1	.57	.1	16	95	27	3.23	1	.07	37	1.63	335	14	.02	58	250	1	1	2	26	1	.07	1	81.9	2	76
L 108600N 13850E	.1	2.48	115	130	.1	1	.72	.1	16	69	51	2.81	1	.07	24	1.53	354	13	.04	53	510	1	2	2	34	1	.08	1	70.4	1	73
L 108600N 13900E	.6	5.04	136	181	.1	1	1.30	.1	30	81	62	5.22	1	.36	48	2.00	440	19	.03	70	2600	1	16	3	56	1	.25	1	122.8	1	187
L 108600N 13950E	.1	3.69	138	240	.1	1	.96	.1	23	96	72	4.61	1	.17	44	2.50	598	17	.03	76	800	1	1	3	35	1	.10	1	125.6	1	96
L 108600N 14000E	.1	1.63	47	90	.1	1	.38	.1	12	63	17	2.11	1	.09	20	1.16	215	9	.03	33	310	1	1	1	22	1	.12	1	78.3	2	52
L 108700N 13350E	.1	2.69	102	193	.1	1	.75	.1	15	65	39	3.28	1	.16	29	1.57	440	16	.04	58	550	1	3	2	43	1	.07	1	75.1	1	95
L 108700N 13400E	.1	2.92	60	178	.1	1	.64	.1	22	67	71	4.07	1	.26	39	1.38	540	19	.02	74	580	1	6	2	37	1	.08	1	84.0	1	122
L 108700N 13450E	.3	3.19	102	201	.1	1	.79	.1	23	64	142	3.27	1	.18	28	1.17	649	18	.02	120	770	6	11	2	42	1	.04	1	55.1	1	71
L 108700N 13500E	.1	2.57	81	310	.1	1	.74	.1	24	63	61	3.52	1	.07	24	1.44	1641	19	.02	65	980	1	3	2	43	1	.03	1	64.8	1	104
L 108700N 13550E	.1	1.56	68	91	.1	1	.14	.1	11	75	17	2.04	1	.06	18	1.14	318	9	.01	41	320	1	1	1	13	1	.05	1	45.7	2	55
L 108700N 13600E	.1	1.65	68	171	.1	1	.28	.1	11	59	21	2.65	1	.10	26	1.18	246	11	.02	34	840	1	1	1	26	1	.07	1	61.2	1	64
L 108700N 13700E	.1	4.12	60	246	.1	1	.65	.1	46	161	67	6.23	1	.51	52	1.97	3285	22	.05	103	1310	1	10	4	50	1	.23	1	144.2	4	86
L 108700N 13750E	.3	4.96	60	279	.1	1	.66	.1	40	18	42	6.90	1	.85	58	2.10	1683	25	.04	60	280	1	25	4	35	1	.30	1	230.8	1	366
L 108700N 13800E	.1	2.23	1	223	.1	1	.96	.1	79	128	70	7.48	1	.26	56	1.54	7460	72	.02	124	780	1	1	4	24	1	.18	1	173.4	4	123
L 108700N 13850E	.9	5.80	176	251	.1	1	2.72	.1	37	228	46	5.72	1	.25	79	2.62	794	22	.16	81	6060	1	27	4	158	1	.26	1	162.1	8	242
L 108700N 13900E	.2	2.56	85	168	.1	1	1.29	.1	18	49	140	2.99	1	.05	22	1.22	794	13	.03	47	660	1	6	2	42	1	.05	1	65.4	1	70
L 108700N 13950E	.1	2.83	1	267	.1	1	.95	.1	41	58	300	5.19	1	.09	46	.95	1976	16	.02	118	740	6	10	3	31	1	.07	1	137.5	1	169
L 108700N 14000E	.2	1.81	59	82	.1	1	.42	.1	14	67	23	2.41	1	.04	24	1.18	179	10	.02	39	270	1	1	1	22	1	.13	1	83.8	3	80
L 108800N 13350E	.1	2.28	14	137	.1	1	.16	.1	16	67	22	4.14	1	.15	31	1.04	400	17	.02	45	830	1	5	2	20	1	.10	1	90.4	1	112
L 108800N 13400E	.1	2.20	1	106	.1	1	.18	.1	16	58	20	4.37	1	.15	29	.92	263	19	.01	40	470	1	6	2	17	1	.09	1	89.2	1	100
L 108800N 13450E	.1	3.17	101	116	.1	1	.63	.1	24	83	38	3.88	1	.15	46	1.67	387	19	.03	73	470	1	6	2	37	1	.09	1	88.1	1	195
L 108800N 13500E	.1	2.86	107	216	.1	1	.52	.1	17	66	65	3.30	1	.12	41	1.38	546	18	.03	62	310	1	8	2	45	1	.08	1	87.4	1	82
L 108800N 13550E	.1	2.30	43	205	.1	1	.23	.1	16	66	30	3.93	1	.13	32	1.12	287	17	.02	48	900	1	4	2	31	1	.08	1	88.2	2	74
L 108800N 13600E	.1	2.27	94	124	.1	1	.12	.1	13	82	29	2.89	1	.07	27	1.19	233	12	.01	42	160	1	5	2	14	1	.05	1	61.5	2	52
L 108800N 13650E	.1	2.42	105	137	.1	1	.24	.1	14	70	35	2.80	1	.13	26	1.25	266	13	.02	49	630	1	5	2	20	1	.07	1	58.5	2	56
L 108800N 13700E	.2	2.28	99	237	.1	1	.83	.1	18	63	45	3.30	1	.22	24	1.61	710	15	.04	64	1030	1	1	2	44	1	.06	1	63.2	1	135
L 108800N 13750E	.1	3.04	49	203	.1	1	.22	.1	22	73	51	4.58	1	.21	35	1.42	427	20	.02	67	800	1	6	2	22	1	.08	1	86.4	1	127
L 108800N 13800E	.1	2.27	92	154	.1	1	.19	.1	14	55	27	3.26	1	.11	23	1.46	330	14	.01	42	470	1	1	2	19	1	.08	1	74.1	1	100
L 108800N 13850E	.2	6.40	150	277	.1	1	1.90	.1	28	109	32	6.44	1	.29	46	2.09	1103	26	.24	51	770	1	37	4	148	1	.20	1	154.7	2	284
L 108800N 13900E	.3	2.79	106	243	.1	1	.68	.1	25	69	39	3.51	1	.11	41	1.49	904	15	.03	53	600	1	6	2	40	1	.11	1	90.5	1	109
L 108800N 13950E	.2	1.85	105	126	.1	1	.45	.1	15	75	18	2.66	1	.10	25	1.44	384	12	.02	41	390	1	1	2	26	1	.12	1	88.0	2	80
L 108800N 14000E	.1	1.88	75	175	.1	1	.64	.1	14	50	39	2.26	1	.06	14	1.07	1032	12	.03	27	540	3	3	1	36	1	.08	1	87.6	2	97
L 108900N 13250E	.1	.80	1	63	.1	1	.05	.1	6	30	10	1.60	1	.06	3	.29	158	7	.01	13	270	2	3	1	8	1	.06	1	48.8	1	36
L 108900N 13300E	.1	1.27	1	53	.1	1	.05	.1	8	44	12	2.76	1	.06	7	.41	133	11	.01	20	330	1	5	1	8	1	.10	1	81.1	3	38
L 108900N 13350E	.1	1.68	20	102	.1	1	.13	.1	10	53	19	2.48	1	.09	14	.64	161	12	.01	30	280	1	5	1	15	1	.07	1	50.0	2	39
L 108900N 13400E	2.3	5.28	232	126	.2	1	.51	.1	51	28	105	3.04	1	.04	17	.52	2073	23	.01	94	2080	79	38	2	49	1	.04	1	41.0	2	62
L 108900N 13450E	1.7	2.05	111	114	.1	1	2.39	.1	17	26	149	1.68	1	.06	17	.46	747	13	.01	73	1430	13	10	1	72	1	.02	1	25.4	2	63
L 108900N 13500E	.1	1.32	26	80	.1	1	.10	.1	8	50	19	1.96	1	.04	19	.73	149	8	.01	28	170	1	1	1	12	1	.05	1	46.1	2	37
L 108900N 13550E	.1	1.17	43	80	.1	1	.10	.1	7	42	12	1.76	1	.05	12	.74	155	8	.01	22	150	1	1	1	13	1	.07	1	57.0	2	63
L 108900N 13600E	.1	1.43	32	116	.1	1	.80	.1	6	19	36	1.54	1	.08	8	.45	326	9	.03	17	350	9	5	1	38	1	.06	1	44.9	1	22

COMP: COLUMBIA GOLD MINES
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0110-SJ3+4
DATE: 96/09/11
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 108900N 13650E	.5	2.53	1	398	.1	1	.06	.1	12	51	62	6.62	1	.86	21	1.36	295	67	.04	26	1180	1	1	3	131	1	.22	1	148.7	1	111
L 108900N 13700E	.1	3.44	61	165	.1	1	.25	.1	26	70	94	5.08	1	.28	38	1.70	451	29	.02	92	810	1	6	3	36	1	.13	1	133.0	1	178
L 108900N 13750E	.1	2.14	100	247	.1	1	1.14	.1	14	54	36	2.80	1	.21	20	1.42	552	14	.05	45	1100	1	1	2	50	1	.07	1	62.5	1	115
L 108900N 13800E	.1	2.58	77	204	.1	1	.58	.1	18	62	46	3.08	1	.15	23	1.20	564	14	.02	55	1330	1	6	2	35	1	.08	1	70.1	1	82
L 108900N 13850E	.1	1.50	2	218	.1	1	.12	.1	14	58	21	2.98	1	.07	17	.87	829	12	.02	33	490	1	2	2	16	1	.13	1	87.8	3	80
L 108900N 13900E	.2	1.84	80	302	.1	1	.95	.1	10	49	30	2.07	1	.09	19	1.16	303	10	.03	31	670	1	1	1	37	1	.07	1	57.3	1	62
L 108900N 14000E	.1	.77	12	79	.1	1	.18	.1	6	29	13	1.31	1	.04	4	.42	119	6	.02	15	180	9	1	1	14	1	.08	1	46.0	2	30
L 109000N 13150E	.1	2.04	17	118	.1	1	.13	.1	13	57	19	3.69	1	.11	26	.84	279	16	.01	38	460	1	6	2	18	1	.09	1	83.9	2	70
L 109000N 13200E	.1	2.54	67	130	.1	1	.19	.1	15	77	24	3.51	1	.13	30	1.18	619	16	.02	44	1750	1	7	2	25	1	.09	1	82.9	2	195
L 109000N 13250E	.1	1.33	34	72	.1	1	.07	.1	7	41	8	1.94	1	.06	17	.70	167	9	.01	25	200	1	3	1	11	1	.04	1	42.1	2	37
L 109000N 13300E	.1	1.64	16	95	.1	1	.13	.1	10	57	15	2.47	1	.07	18	.69	228	10	.01	28	280	1	5	1	15	1	.05	1	50.5	2	61
L 109000N 13350E	.1	1.67	58	92	.1	1	.28	.1	12	70	26	2.45	1	.17	23	1.19	253	10	.02	52	330	1	1	1	21	1	.05	1	44.1	2	45
L 109000N 13450E	.1	1.70	55	90	.1	1	.17	.1	11	68	19	2.35	1	.07	23	1.18	213	10	.02	43	260	1	1	1	15	1	.05	1	48.5	2	39
L 109000N 13500E	2.1	5.02	1	194	.1	1	.64	.1	18	37	87	6.29	1	.27	20	.71	169	78	.03	79	1020	30	28	3	125	1	.08	1	71.3	1	118
L 109000N 13550E	.1	2.55	1	133	.1	1	.21	.1	58	42	29	4.67	1	.10	47	.86	1221	22	.01	81	380	19	8	2	22	1	.08	1	77.4	1	384
L 109000N 13600E	.2	3.32	92	240	.1	1	.19	.1	14	80	31	4.53	1	.53	40	1.78	242	25	.02	31	300	1	5	3	28	1	.16	1	141.4	2	102
L 109000N 13650E	.9	3.71	174	146	.1	1	.22	.1	31	169	20	5.05	1	.45	50	2.76	394	18	.02	78	860	1	1	3	19	1	.30	1	166.0	4	82
L 109000N 13700E	.1	2.15	1	230	.1	1	.11	.1	19	75	56	7.70	1	.20	29	1.11	261	27	.02	48	700	1	2	4	17	1	.13	1	113.7	1	112
L 109000N 13750E	.5	2.74	34	159	.1	1	.39	.1	27	176	53	4.86	1	.24	37	1.39	445	48	.03	92	1410	1	6	3	28	1	.20	1	112.7	7	131
L 109000N 13800E	.1	1.86	90	70	.1	1	.17	.1	12	62	16	2.68	1	.05	21	1.24	246	12	.01	41	220	1	1	2	17	1	.07	1	64.6	1	65
L 109000N 13850E	.1	2.41	109	265	.1	1	.60	.1	26	68	55	3.35	1	.25	28	1.71	577	22	.03	77	1210	1	1	2	37	1	.10	1	86.4	1	116
L 109000N 13900E	.2	2.42	108	319	.1	1	.68	.1	17	73	41	3.02	1	.26	25	1.66	527	14	.03	56	1140	1	1	2	38	1	.10	1	76.0	1	93
L 109000N 13950E	.2	2.69	127	363	.1	1	.90	.1	18	73	44	3.49	1	.35	25	1.95	622	16	.04	55	830	1	1	2	42	1	.10	1	88.1	1	112
L 109000N 14000E	.1	2.36	127	175	.1	1	1.05	.1	14	57	43	2.45	1	.09	25	1.48	476	12	.05	37	650	1	1	2	46	1	.08	1	73.0	1	88
L 109100N 13100E	.1	.79	13	86	.1	1	.08	.1	8	44	8	1.25	1	.10	5	.42	579	7	.01	18	440	1	1	1	12	1	.02	1	26.9	2	30
L 109100N 13150E	.1	1.12	43	61	.1	1	.10	.1	5	37	7	1.43	1	.04	14	.59	135	6	.01	19	160	1	2	1	10	1	.04	1	35.6	2	34
L 109100N 13200E	.1	1.75	44	94	.1	1	.12	.1	8	45	10	2.24	1	.06	23	.80	172	9	.01	29	230	1	4	1	11	1	.05	1	43.9	2	36
L 109100N 13250E	.1	1.83	39	105	.1	1	.42	.1	8	46	18	2.32	1	.10	19	.78	238	13	.01	28	750	1	5	1	23	1	.05	1	53.5	1	42
L 109100N 13300E	.1	2.82	53	217	.1	1	.25	.1	30	49	49	3.72	1	.20	30	1.07	535	19	.02	74	520	1	9	2	27	1	.07	1	61.4	1	80
L 109100N 13350E	.1	1.03	28	75	.1	1	.11	.1	6	44	7	1.62	1	.06	10	.55	116	7	.01	20	90	1	1	1	10	1	.04	1	38.1	2	20
L 109100N 13450E	.1	2.40	105	146	.1	1	.92	.1	36	81	61	2.85	1	.12	33	1.31	1178	17	.02	75	730	1	4	2	37	1	.05	1	54.4	2	106
L 109100N 13500E	.1	2.22	113	116	.1	1	.20	.1	14	101	44	2.94	1	.07	25	1.53	283	13	.01	60	210	1	1	2	15	1	.05	1	57.7	2	64
L 109100N 13550E	.1	1.06	9	77	.1	1	.08	.1	7	39	9	1.87	1	.07	8	.51	137	8	.01	20	190	1	2	1	10	1	.05	1	45.5	2	50
L 109100N 13600E	.1	2.78	1	99	.1	1	.20	.1	18	12	31	4.33	1	.13	24	.71	221	15	.02	27	360	10	12	2	29	1	.15	1	113.8	1	129
L 109100N 13650E	.3	9.21	353	111	.5	1	.37	.1	24	89	37	5.10	1	.04	38	2.24	678	29	.02	74	970	2	62	4	46	1	.15	1	49.6	1	139
L 109100N 13700E	.1	2.01	55	126	.1	1	.30	.1	17	51	294	3.66	1	.20	31	1.19	265	20	.02	39	320	1	2	2	17	1	.11	1	81.9	1	108
L 109100N 13750E	.2	2.28	112	120	.1	1	.30	.1	12	61	24	2.81	1	.07	26	1.41	288	13	.02	40	680	1	2	2	21	1	.08	1	65.1	1	77
L 109100N 13800E	.1	1.80	104	149	.1	1	.18	.1	13	65	15	2.59	1	.09	16	1.34	471	13	.02	34	320	1	1	2	22	1	.09	1	77.9	2	79
L 109100N 13850E	.1	1.54	42	126	.1	1	.33	.1	12	57	14	2.63	1	.06	16	1.14	300	10	.02	38	320	1	1	2	24	1	.09	1	72.4	2	80
L 109100N 13900E	.3	2.80	137	132	.1	1	.81	.1	23	119	56	3.02	1	.07	39	1.60	245	13	.05	80	600	1	4	2	48	1	.12	1	93.3	4	60
L 109100N 13950E	.2	3.39	169	134	.1	1	.84	.1	25	130	61	3.63	1	.11	55	2.21	355	15	.03	82	640	1	2	2	42	1	.13	1	116.0	4	68
L 109100N 14000E	.1	1.67	67	220	.1	1	.53	.1	14	39	46	2.76	1	.21	14	1.12	409	12	.03	45	1010	1	1	1	27	1	.04	1	50.3	1	93

(158)

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0123-SJ1+2
DATE: 96/09/16
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 100500N 15050E	.1	1.14	1	88	.1	1	.11	.1	8	37	11	2.95	1	.05	7	.31	153	9	.01	19	360	1	5	1	10	1	.11	1	84.2	3	33
L 100500N 15100E	.1	1.00	1	48	.1	1	.08	.1	6	31	12	1.99	1	.03	7	.28	194	6	.01	21	410	4	4	1	9	1	.08	1	53.4	2	36
L 100500N 15150E	.1	.71	1	51	.1	1	.07	.1	6	23	12	1.83	1	.05	3	.18	113	8	.01	11	330	1	3	1	8	1	.10	1	60.9	2	24
L 100500N 15200E	.1	.98	1	59	.1	1	.12	.1	6	29	11	1.68	1	.06	9	.30	818	6	.01	19	350	4	4	1	12	1	.06	1	42.2	2	68
L 100600N 15200E	.1	.87	1	43	.1	1	.09	.1	6	36	7	1.58	1	.05	6	.31	133	8	.01	15	250	1	3	1	9	1	.11	1	61.4	3	25
L 100600N 15250E	.1	1.34	1	70	.1	1	.13	.1	8	25	10	2.68	1	.04	8	.35	227	8	.01	19	590	1	8	1	14	1	.11	1	60.5	2	45
L 100600N 15300E	.1	1.90	15	72	.1	1	.14	.1	9	33	11	3.07	1	.05	13	.49	247	10	.01	21	930	1	10	2	16	1	.08	1	61.5	2	88
L 100600N 15350E	.4	1.50	85	57	.1	1	.37	.1	15	24	19	2.55	1	.56	8	1.28	851	10	.01	28	500	1	1	2	57	1	.12	1	41.5	1	71
L 100600N 15400E	.1	1.28	1	52	.1	1	.10	.1	9	21	10	2.68	1	.06	4	.26	229	9	.01	15	1140	14	7	1	15	1	.12	1	57.7	2	31
L 100600N 15450E	.1	.78	1	44	.1	1	.18	.1	7	14	8	1.75	1	.13	3	.38	196	6	.01	12	510	5	1	1	29	1	.06	1	27.2	1	29
L 100600N 15500E	.1	1.15	4	47	.1	1	.16	.1	9	22	9	2.53	1	.08	6	.50	197	8	.01	17	530	7	3	1	24	1	.08	1	46.4	1	38
L 100600N 15550E	.1	.98	1	36	.1	1	.13	.1	8	22	8	2.54	1	.07	5	.41	200	8	.01	16	830	1	3	1	19	1	.07	1	43.6	1	34
L 100600N 15600E	.1	.90	1	34	.1	1	.15	.1	6	15	4	1.64	1	.06	5	.37	150	6	.01	12	330	3	3	1	20	1	.06	1	31.6	1	32
L 100600N 15650E	.1	1.64	25	69	.1	1	.17	.1	12	26	24	2.75	1	.08	17	.72	310	10	.01	25	300	4	6	1	22	1	.05	1	39.0	1	73
L 100600N 15700E	.1	1.07	33	87	.1	1	.52	.1	10	18	31	1.74	1	.25	9	.70	369	7	.01	20	710	3	1	1	56	1	.05	1	19.8	1	77
L 100600N 15800E	.2	1.36	1	108	.1	1	.63	.1	13	21	19	3.03	1	.35	13	.76	350	15	.01	22	270	1	2	2	48	1	.11	1	44.9	1	58
L 100600N 15850E	.1	1.19	7	51	.1	1	.20	.1	9	16	18	2.15	1	.22	6	.58	291	7	.01	16	350	8	3	1	30	1	.08	1	26.8	1	46
L 100600N 15900E	.3	.88	1	89	.1	1	.18	.1	8	8	7	1.81	1	.10	4	.26	200	6	.01	10	450	13	3	1	26	1	.09	1	32.6	1	81
L 100600N 15950E	.2	1.07	26	58	.1	1	.22	.1	9	15	8	1.65	1	.20	5	.57	223	7	.01	14	190	1	3	1	27	1	.10	1	37.0	1	38
L 100600N 16000E	.3	.92	1	42	.1	1	.19	.1	11	14	14	2.64	1	.21	5	.47	255	8	.01	15	240	4	1	1	32	1	.12	1	31.3	1	47
L 100700N 15200E	.1	.93	5	60	.1	1	.14	.1	8	37	11	1.90	1	.10	6	.52	331	7	.01	23	300	1	1	1	13	1	.08	1	44.2	2	53
L 100700N 15250E	.1	1.35	41	166	.1	1	.76	.1	8	30	36	1.70	1	.12	12	.68	343	9	.02	24	900	1	3	1	48	1	.05	1	31.3	1	37
L 100700N 15300E	.1	.85	1	91	.1	1	.16	.1	8	27	8	1.85	1	.06	5	.30	513	6	.01	18	460	2	2	1	15	1	.07	1	39.7	2	57
L 100700N 15350E	.1	1.01	1	74	.1	1	.16	.1	11	26	9	2.04	1	.09	6	.41	519	6	.01	20	490	3	2	1	19	1	.06	1	38.0	1	61
L 100700N 15400E	.1	1.16	1	40	.1	1	.08	.1	8	17	10	3.17	1	.04	3	.20	219	9	.01	12	1350	12	6	1	11	1	.13	1	70.2	1	27
L 100700N 15450E	.1	.32	1	38	.1	1	.07	.1	1	7	3	.26	1	.05	1	.02	37	2	.01	2	280	11	1	1	14	1	.02	1	8.4	1	6
L 100700N 15500E	.1	.52	5	46	.1	1	.11	.1	2	6	3	.46	1	.04	1	.08	45	2	.01	2	150	15	2	1	18	1	.03	1	10.7	1	13
L 100700N 15550E	.1	.82	1	69	.1	1	.15	.1	7	18	7	1.99	1	.10	4	.34	152	6	.01	11	290	5	2	1	22	1	.09	1	39.7	1	26
L 100700N 15600E	.1	.73	1	42	.1	1	.22	.1	4	10	7	1.04	1	.10	4	.34	160	4	.01	8	300	7	1	1	29	1	.03	1	16.5	1	22
L 100700N 15650E	.1	.85	10	55	.1	1	.25	.1	10	12	18	1.56	1	.26	6	.62	750	7	.01	13	410	3	1	1	32	1	.04	1	18.6	1	58
L 100700N 15700E	.1	.71	14	50	.1	1	.19	.1	5	7	18	1.12	1	.10	4	.34	330	4	.02	9	340	8	1	1	24	1	.03	1	12.4	1	28
L 100700N 15750E	.1	.81	15	33	.1	1	.29	.1	13	11	19	1.64	1	.22	6	.63	487	6	.01	12	720	3	1	1	34	1	.04	1	16.3	1	51
L 100700N 15800E	.1	.72	1	34	.1	1	.12	.1	6	9	12	1.47	1	.11	4	.33	161	5	.01	8	140	14	1	1	17	1	.06	1	20.7	1	26
L 100700N 15850E	.1	.88	11	55	.1	1	.14	.1	7	15	12	1.42	1	.11	5	.46	216	5	.02	10	210	1	1	1	20	1	.06	1	17.1	1	27
L 100700N 15900E	.1	.68	1	43	.1	1	.15	.1	6	9	7	1.39	1	.12	2	.24	143	5	.01	7	230	15	1	1	23	1	.09	1	27.5	1	26
L 100800N 15000E	.1	1.48	40	93	.1	1	.32	.1	11	58	21	2.50	1	.05	20	.91	295	10	.02	37	740	1	2	1	20	1	.06	1	50.0	2	49
L 100800N 15050E	.1	1.64	4	63	.1	1	.15	.1	11	50	14	3.54	1	.05	17	.63	230	13	.01	27	270	1	5	2	13	1	.15	1	97.9	3	54
L 100800N 15100E	.1	.52	1	44	.1	3	.09	.1	5	29	6	1.37	1	.04	2	.18	107	6	.01	12	130	2	1	1	9	1	.10	1	59.2	2	21
L 100800N 15150E	.1	1.27	7	70	.1	1	.18	.1	7	30	9	2.04	1	.04	7	.50	196	7	.01	20	640	1	4	1	18	1	.07	1	47.5	2	41
L 100800N 15200E	.1	1.65	4	67	.1	1	.10	.1	9	40	14	3.35	1	.04	18	.56	263	11	.01	24	690	1	7	2	11	1	.07	1	50.9	1	46
L 100800N 15250E	.1	1.30	2	80	.1	1	.12	.1	7	20	7	2.02	1	.06	11	.42	238	7	.01	16	430	1	6	1	15	1	.05	1	37.9	1	77
L 100800N 15300E	.1	1.52	1	59	.1	1	.11	.1	8	31	11	2.84	1	.05	9	.45	226	9	.01	17	1060	1	6	1	13	1	.10	1	59.5	2	38
L 100800N 15350E	.2	1.11	7	114	.1	1	.50	.1	4	9	56	1.04	1	.03	4	.16	254	5	.01	15	770	13	5	1	33	1	.02	1	15.0	1	24
L 100800N 15400E	.1	1.10	1	34	.1	1	.10	.1	7	22	8	2.29	1	.05	7	.45	190	7	.01	13	920	1	3	1	14	1	.05	1	34.2	1	32
L 100800N 15450E	.1	.50	1	93	.1	1	.16	.1	4	8	4	.63	1	.08	1	.11	281	2	.01	4	210	6	1	1	26	1	.04	1	12.8	1	30
L 100800N 15500E	.1	.96	19	68	.1	1	.35	.1	8	25	18	1.54	1	.11	8	.56	233	6	.01	18	660	1	1	1	41	1	.04	1	23.3	1	39
L 100800N 15550E	.1	1.27	29	65	.1	1	.23	.1	8	31	12	1.86	1	.11	17	.64	254	8	.01	21	180	1	2	1	28	1	.06	1	29.9	1	48
L 100800N 15600E	.1	1.46	24	71	.1	1	.18	.1	8	32	11	2.24	1	.08	17	.67	271	8	.01	22	320	1	4	1	23	1	.05	1	37.8	1	51

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0123-SJ3+4
DATE: 96/09/16
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 100800N 15650E	.1	1.13	34	57	.1	1	.69	.1	12	15	33	1.90	1	.24	9	.75	602	8	.01	17	760	1	1	1	57	1	.05	1	20.6	1	66
L 100800N 15700E	.1	.96	27	43	.1	1	.29	.1	11	13	20	1.80	1	.21	7	.65	374	8	.01	15	570	7	1	1	40	1	.06	1	20.0	1	54
L 100800N 15750E	.1	1.55	44	75	.1	1	.28	.1	11	28	12	2.38	1	.30	11	1.04	407	10	.02	23	660	1	2	1	37	1	.08	1	36.4	1	65
L 100800N 15800E	.1	.56	1	31	.1	1	.17	.1	4	5	4	.75	1	.06	1	.08	95	3	.01	4	200	12	3	1	25	1	.05	1	17.9	1	22
L 100900N 15200E	.1	1.35	1	59	.1	1	.11	.1	8	31	13	2.29	1	.05	18	.49	215	7	.01	21	340	1	6	1	12	1	.06	1	38.7	1	43
L 100900N 15250E	.1	1.67	1	72	.1	1	.12	.1	10	37	16	3.32	1	.05	15	.55	423	11	.01	24	810	1	7	2	14	1	.10	1	56.9	1	62
L 100900N 15300E	.1	.92	1	39	.1	1	.10	.1	7	17	8	1.96	1	.04	3	.26	218	7	.01	12	630	4	4	1	11	1	.09	1	50.5	2	28
L 100900N 15350E	.1	1.41	4	57	.1	1	.14	.1	10	37	11	2.69	1	.07	10	.65	289	9	.01	22	840	1	5	1	17	1	.08	1	48.9	1	57
L 100900N 15400E	.1	2.23	1	140	.1	1	.12	.1	12	36	16	3.98	1	.05	15	.58	230	14	.01	25	760	2	11	2	17	1	.11	1	68.8	1	43
L 100900N 15450E	.1	.82	17	51	.1	1	.30	.1	7	12	26	1.43	1	.13	7	.46	261	5	.01	14	630	17	1	1	33	1	.04	1	16.4	1	35
L 100900N 15500E	.1	1.39	14	269	.1	1	.24	.1	17	32	10	2.20	1	.15	11	.75	972	9	.01	25	400	1	2	1	28	1	.08	1	41.9	1	45
L 100900N 15550E	.1	.88	1	42	.1	1	.12	.1	4	12	6	1.10	1	.03	1	.12	76	4	.01	5	390	10	5	1	16	1	.06	1	37.4	1	18
L 100900N 15600E	.2	1.37	1	130	.1	1	.14	.1	10	21	16	1.75	1	.06	8	.24	718	14	.02	14	360	17	8	1	22	1	.05	1	35.3	2	47
L 100900N 15650E	.1	.91	1	53	.1	1	.15	.1	5	11	7	1.45	1	.06	7	.26	128	4	.01	7	310	13	4	1	24	1	.05	1	21.8	1	17
L 100900N 15700E	.1	.65	1	46	.1	1	.15	.1	6	9	8	1.42	1	.12	2	.21	125	7	.01	9	290	11	2	1	26	1	.06	1	25.4	1	31
L 100900N 15750E	.1	.35	1	20	.1	1	.08	.1	1	3	2	.40	1	.03	1	.05	45	3	.02	3	160	6	2	1	8	1	.02	1	9.3	1	9
L 100900N 15850E	.1	.98	18	39	.1	2	.16	.1	1	2	4	.34	1	.02	1	.06	41	4	.01	3	130	16	7	1	21	1	.03	1	14.6	1	14
L 100900N 16000E	.3	.57	5	38	.1	2	.13	.1	4	7	7	.97	1	.10	2	.19	121	5	.01	6	180	7	2	1	18	1	.06	1	25.9	1	39
L 100900N 16050E	.1	1.36	1	116	.1	1	.15	.1	9	8	12	2.29	1	.07	11	.30	241	7	.01	10	740	24	7	1	24	1	.05	1	26.2	1	67
L 100900N 16100E	.1	1.19	25	55	.1	1	.12	.1	7	14	19	1.82	1	.07	9	.57	210	8	.01	14	240	11	4	1	22	1	.04	1	23.5	1	38
L 100900N 16150E	.1	1.01	5	84	.1	1	.23	.1	8	16	21	1.94	1	.11	7	.61	245	7	.01	17	260	2	1	1	25	1	.05	1	26.4	1	53
L 100900N 16200E	.2	.57	19	37	.1	1	.20	.1	4	7	6	.76	1	.10	2	.21	113	7	.01	5	130	11	3	1	34	1	.04	1	14.5	1	21
L 101000N 14900E	.5	2.77	128	133	.1	1	.50	.1	24	68	67	3.82	1	.09	18	1.77	696	17	.01	83	450	1	4	2	44	1	.09	1	71.3	1	96
L 101000N 14950E	.2	1.53	1	54	.1	1	.10	.1	10	43	12	3.25	1	.04	9	.45	206	11	.01	22	400	1	8	2	10	1	.15	1	94.7	2	29
L 101000N 15000E	.1	3.07	47	87	.1	1	.18	.1	14	74	22	4.16	1	.08	24	.92	343	17	.02	40	990	10	14	2	17	1	.13	1	93.0	3	66
L 101000N 15050E	1.1	1.05	18	99	.1	1	.69	.1	4	21	66	.80	1	.06	5	.18	163	4	.03	30	330	7	5	1	38	1	.03	1	14.8	1	37
L 101000N 15100E	.1	1.20	20	59	.1	1	.21	.1	7	28	8	1.59	1	.07	13	.63	163	7	.02	17	200	1	1	1	19	1	.10	1	44.0	2	32
L 101000N 15150E	.1	1.27	1	60	.1	1	.18	.1	9	34	12	2.91	1	.06	9	.49	201	9	.01	22	810	1	3	1	16	1	.11	1	66.5	1	48
L 101000N 15200E	.1	1.58	1	64	.1	1	.14	.1	10	43	14	2.96	1	.06	11	.49	282	9	.01	23	1140	1	5	1	14	1	.09	1	57.2	2	36
L 101000N 15250E	.1	.80	1	61	.1	1	.12	.1	2	10	5	.77	1	.03	1	.11	144	3	.01	4	250	8	3	1	14	1	.05	1	24.2	1	16
L 101000N 15300E	.1	1.34	1	119	.1	1	.32	.1	10	24	28	2.73	1	.08	15	.52	501	13	.01	24	360	8	3	1	21	1	.08	1	44.2	1	64
L 101000N 15350E	.1	1.54	1	78	.1	1	.17	.1	10	31	11	2.69	1	.07	14	.72	324	9	.01	23	500	1	3	1	18	1	.09	1	49.8	1	84
L 101000N 15400E	.1	.49	1	34	.1	1	.08	.1	2	11	2	.59	1	.02	1	.12	54	2	.01	6	160	2	1	1	10	1	.03	1	17.4	1	10
L 101000N 15450E	.1	.78	1	64	.1	1	.11	.1	6	16	6	1.49	1	.05	2	.28	159	5	.01	12	280	4	1	1	14	1	.07	1	36.3	1	28
L 101000N 15500E	.1	2.07	50	93	.1	1	.17	.1	15	42	12	3.58	1	.16	11	1.17	534	12	.01	32	770	1	3	2	22	1	.12	1	64.2	1	89
L 101000N 15550E	.1	1.15	1	47	.1	1	.17	.1	10	26	9	2.27	1	.11	6	.58	381	8	.01	20	610	1	2	1	21	1	.08	1	41.9	1	58
L 101000N 15600E	.1	1.19	6	70	.1	1	.19	.1	6	28	7	1.73	1	.05	14	.43	135	6	.01	18	360	1	3	1	20	1	.03	1	26.2	1	20
L 101000N 15650E	.1	.61	1	36	.1	1	.16	.1	5	10	5	1.02	1	.06	2	.13	97	4	.01	6	250	9	2	1	22	1	.05	1	33.5	1	15
L 101000N 15750E	.1	.38	1	53	.1	3	.21	.1	1	3	11	.42	1	.03	1	.03	35	3	.02	3	190	10	1	1	24	1	.03	1	14.3	1	15
L 101000N 15800E	.1	.11	1	19	.1	1	.08	.1	1	1	2	.21	1	.02	1	.02	23	1	.03	2	220	1	1	1	12	1	.01	1	5.9	1	3
L 101000N 15900E	1.1	.75	19	31	.1	3	1.12	.1	2	5	98	.45	3	.02	2	.06	163	5	.03	6	310	29	5	1	56	6	.01	1	8.8	1	20
L 101000N 15950E	.2	2.09	37	90	.1	1	.25	.1	15	30	64	3.77	1	.13	34	1.17	414	17	.01	29	480	10	3	2	27	1	.10	1	56.7	1	202
L 101000N 16050E	.2	1.10	1	54	.1	1	.19	.1	8	14	10	2.45	1	.09	7	.55	223	8	.01	16	310	2	1	1	30	1	.10	1	41.3	1	41
L 101000N 16100E	.5	1.25	38	47	.1	1	.27	.1	10	13	5	1.66	1	.25	8	.75	374	8	.01	15	190	1	1	1	36	1	.10	1	24.0	1	48
L 101000N 16150E	.1	1.41	1	87	.1	1	.10	.1	11	11	16	4.03	1	.07	7	.29	259	11	.02	16	1140	21	4	2	13	1	.10	1	58.8	1	51
L 101000N 16200E	.1	1.31	1	50	.1	1	.17	.1	8	9	11	2.65	1	.08	7	.49	257	8	.01	14	1480	1	2	1	19	1	.06	1	45.0	1	50
L 101100N 15200E	.1	1.54	1	84	.1	1	.13	.1	9	43	11	2.98	1	.05	14	.48	316	9	.01	25	1430	1	6	1	15	1	.10	1	57.5	2	50
L 101100N 15250E	.1	1.57	11	82	.1	1	.22	.1	10	38	12	2.60	1	.07	17	.71	281	10	.01	27	670	1	4	1	25	1	.09	1	54.2	1	62

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0123-SJ5+6
DATE: 96/09/16
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 101100N 15300E	.1	1.23	1	119	.1	1	.26	.1	10	35	9	2.51	1	.09	12	.55	348	11	.01	22	420	1	4	1	24	1	.07	1	50.0	2	77
L 101100N 15350E	.2	2.11	12	126	.1	1	.44	.1	10	26	62	2.76	1	.07	19	.70	294	15	.01	25	270	10	9	1	39	1	.07	1	51.6	1	63
L 101100N 15400E	.3	1.14	8	46	.1	2	.24	.1	9	17	6	1.62	1	.15	3	.51	232	7	.01	13	270	1	3	1	34	1	.10	1	37.7	1	38
L 101100N 15450E	.1	1.15	1	78	.1	1	.23	.1	9	38	9	2.23	1	.12	7	.63	263	8	.01	21	650	1	2	1	25	1	.08	1	47.8	2	43
L 101100N 15500E	.3	1.02	1	48	.1	2	.18	.1	5	19	6	1.18	1	.04	3	.27	152	5	.01	10	320	7	5	1	22	1	.06	1	34.3	1	21
L 101100N 15550E	.1	1.58	28	83	.1	1	.21	.1	11	47	11	2.70	1	.10	13	.90	282	11	.01	29	370	1	4	1	29	1	.09	1	52.2	2	70
L 101100N 15600E	.1	.85	1	57	.1	1	.15	.1	8	61	8	2.25	1	.08	4	.36	214	9	.01	25	220	1	2	1	17	1	.08	1	52.1	3	49
L 101100N 15650E	.4	.83	13	59	.1	1	.59	.1	7	10	36	1.29	1	.16	6	.50	373	7	.01	11	650	2	1	1	47	1	.03	1	15.2	1	35
L 101100N 15700E	.1	1.26	1	53	.1	1	.15	.1	10	23	12	2.83	1	.10	10	.56	282	17	.01	18	310	2	3	1	18	1	.07	1	55.7	1	65
L 101100N 15750E	.1	.47	1	28	.1	1	.12	.1	3	6	12	.75	1	.09	1	.14	130	4	.02	4	180	7	1	1	16	1	.05	1	19.5	1	26
L 101100N 15850E	.1	.97	1	51	.1	1	.15	.1	12	18	39	2.76	1	.10	7	.41	429	33	.01	20	350	76	2	1	16	1	.05	1	49.3	1	95
L 101100N 15900E	.1	.84	1	36	.1	1	.15	.1	3	3	4	1.02	1	.03	2	.12	97	4	.02	4	130	1	5	1	16	1	.05	1	27.6	1	17
L 101100N 15950E	3.1	3.53	57	274	.1	1	1.05	.1	20	49	410	4.29	1	.24	30	.97	1372	24	.02	45	470	163	18	2	60	1	.05	1	77.6	1	175
L 101100N 16000E	.1	.69	1	49	.1	2	.28	.1	4	6	7	1.03	1	.09	2	.11	113	6	.01	4	170	7	4	1	31	1	.06	1	29.2	1	42
L 101100N 16050E	.1	.52	1	53	.1	2	.21	.1	1	3	6	.35	1	.06	1	.05	34	4	.02	2	200	5	3	1	22	1	.02	1	11.9	1	19
L 101200N 14750E	.4	1.36	79	101	.1	1	.60	.1	15	55	21	2.23	1	.07	11	1.48	504	10	.02	58	600	1	1	1	37	1	.06	1	38.6	1	44
L 101200N 14800E	.4	2.56	137	124	.1	1	.51	.1	25	66	56	3.60	1	.08	15	1.87	647	17	.01	88	500	1	1	2	44	1	.08	1	62.3	1	91
L 101200N 14850E	.1	2.01	94	77	.1	1	.48	.1	18	63	20	3.27	1	.06	15	1.56	580	14	.01	58	940	1	1	2	38	1	.06	1	52.9	1	111
L 101200N 14900E	.1	1.40	30	57	.1	1	.31	.1	13	42	12	3.31	1	.07	6	.87	451	12	.01	33	620	1	1	2	25	1	.09	1	62.2	1	67
L 101200N 14950E	.2	1.55	19	122	.1	1	.14	.1	12	69	19	3.44	1	.11	15	.91	405	13	.02	36	730	1	3	2	13	1	.11	1	88.1	3	61
L 101200N 15000E	.1	1.89	1	65	.1	1	.17	.1	10	44	12	3.40	1	.06	14	.53	235	11	.01	26	1060	1	9	2	17	1	.12	1	76.2	2	45
L 101200N 15100E	.2	.51	1	84	.1	1	.13	.1	4	14	8	.90	1	.05	1	.12	76	3	.02	5	150	1	2	1	16	1	.06	1	29.9	1	20
L 101200N 15150E	.1	.83	1	74	.1	1	.13	.1	5	24	10	1.44	1	.04	4	.20	121	5	.01	13	390	2	3	1	14	1	.06	1	40.0	1	31
L 101200N 15200E	.1	1.25	1	72	.1	1	.17	.1	8	28	10	2.26	1	.08	8	.49	326	8	.01	20	730	1	3	1	16	1	.08	1	45.7	1	48
L 101200N 15250E	.1	1.33	1	52	.1	1	.13	.1	8	26	10	2.35	1	.04	11	.39	278	9	.01	20	990	1	6	1	16	1	.07	1	49.0	1	59
L 101200N 15300E	.1	.40	1	24	.1	1	.08	.1	4	19	6	1.02	1	.02	1	.08	61	4	.01	9	140	5	1	1	9	1	.06	1	39.9	1	13
L 101200N 15350E	.1	1.25	1	43	.1	1	.10	.1	8	32	9	2.52	1	.04	9	.51	371	9	.01	20	1110	1	4	1	13	1	.06	1	52.0	1	50
L 101200N 15400E	.1	1.25	3	56	.1	1	.17	.1	10	27	8	2.52	1	.08	7	.69	346	9	.01	20	770	1	3	1	19	1	.07	1	51.3	1	63
L 101200N 15450E	.1	1.26	6	66	.1	1	.12	.1	7	17	7	1.94	1	.05	7	.46	256	8	.01	13	460	2	5	1	15	1	.06	1	37.4	1	69
L 101200N 15550E	.2	2.30	89	73	.1	1	.33	.1	21	44	22	3.64	1	.22	32	1.71	502	17	.01	37	240	1	1	2	29	1	.11	1	59.9	1	241
L 101200N 15600E	.1	.48	6	38	.1	1	.18	.1	3	8	6	.71	1	.06	2	.23	134	6	.01	6	140	1	1	1	15	1	.04	1	16.9	1	22
L 101200N 15650E	.1	.86	8	42	.1	1	.12	.1	7	15	9	1.60	1	.07	5	.46	211	7	.01	13	170	1	1	1	16	1	.04	1	25.4	1	38
L 101200N 15700E	.1	1.03	12	73	.1	1	.10	.1	6	16	7	1.39	1	.20	2	.50	201	7	.01	12	160	1	1	1	13	1	.04	1	33.9	1	39
L 101200N 15750E	.1	.68	1	52	.1	1	.09	.1	6	11	6	1.60	1	.07	4	.27	167	6	.01	10	130	3	1	1	12	1	.06	1	26.5	1	30
L 101200N 15800E	.2	.77	1	64	.1	1	.76	.1	5	7	46	1.21	1	.04	5	.19	313	13	.02	8	670	12	2	1	44	1	.03	1	23.6	1	28
L 101200N 15850E	1.4	2.42	59	188	.1	1	1.48	.1	13	34	154	3.04	1	.15	19	.80	767	23	.01	31	650	69	10	2	87	1	.03	1	51.1	1	104
L 101200N 15900E	1.5	3.07	88	222	.1	1	1.20	.1	16	46	200	3.49	1	.25	27	1.08	863	18	.02	43	670	90	12	2	65	1	.04	1	58.5	1	147
L 101200N 15950E	.1	.49	1	39	.1	1	.15	.1	2	3	6	.58	1	.09	1	.07	58	4	.01	4	120	8	2	1	18	1	.03	1	14.3	1	30
L 101200N 16000E	.1	.66	1	37	.1	1	.09	.1	5	7	7	1.44	1	.07	2	.25	161	5	.01	8	420	5	2	1	12	1	.06	1	24.9	1	41
L 101200N 16050E	.1	.57	1	81	.1	1	.15	.1	5	7	5	1.37	1	.10	2	.19	161	5	.01	7	250	11	2	1	21	1	.07	1	29.1	1	38
L 101200N 16100E	.1	.74	1	46	.1	1	.11	.1	5	6	8	1.60	1	.11	5	.27	247	5	.01	7	230	4	2	1	13	1	.04	1	19.8	1	29
L 101200N 16150E	.1	.88	1	54	.1	1	.12	.1	7	9	8	2.22	1	.11	4	.33	203	7	.01	10	340	1	2	1	14	1	.07	1	38.4	1	34
L 101200N 16200E	.1	.82	1	51	.1	1	.14	.1	7	8	7	1.84	1	.07	4	.31	264	6	.01	9	300	8	2	1	16	1	.08	1	38.1	1	45
L 101300N 15200E	.1	.49	1	42	.1	1	.05	.1	3	8	5	.98	1	.03	2	.11	166	3	.01	6	250	4	1	1	6	1	.04	1	21.7	1	20
L 101300N 15250E	.1	1.40	1	63	.1	1	.16	.1	5	22	8	1.79	1	.04	13	.42	167	7	.01	17	470	2	5	1	15	1	.03	1	38.3	1	49
L 101300N 15300E	.1	.87	5	40	.1	1	.14	.1	6	23	7	1.34	1	.05	5	.35	256	5	.01	16	280	1	2	1	13	1	.06	1	29.1	1	35
L 101300N 15350E	.3	1.50	14	113	.1	1	.45	.1	14	33	67	2.28	1	.08	12	.69	1337	13	.01	43	260	1	4	1	31	1	.05	1	43.1	1	117
L 101300N 15400E	.2	1.72	1	67	.1	1	.09	.1	13	39	14	4.79	1	.07	13	.76	309	14	.01	30	570	1	4	2	8	1	.17	1	94.1	1	54

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0123-SJ7
DATE: 96/09/16
* • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 101300N 15450E	.1	.44	24	41	.1	3	.15	.1	5	16	9	.88	1	.10	2	.27	125	5	.01	16	160	1	2	1	15	1	.04	1	17.3	1	28
L 101300N 15500E	.4	1.51	34	79	.1	1	.44	.1	19	37	16	2.72	1	.12	24	1.07	805	12	.01	31	310	1	2	1	30	1	.08	1	51.7	1	342
L 101300N 15550E	.8	1.75	48	105	.1	1	.59	.1	17	28	53	3.20	1	.40	14	1.49	707	14	.01	33	240	1	1	2	34	1	.10	1	63.6	1	196
L 101300N 15600E	.9	1.74	35	143	.1	1	.54	.1	11	22	73	2.48	1	.19	15	.76	574	12	.01	26	550	30	6	1	40	1	.03	1	30.7	1	105
L 101300N 15650E	.4	1.38	44	131	.1	1	.50	.1	9	21	36	1.99	1	.15	12	.71	496	9	.01	23	320	9	4	1	36	1	.03	1	26.3	1	73
L 101300N 15700E	.3	.95	36	97	.1	1	.32	.1	7	14	19	1.50	1	.10	7	.50	298	7	.01	16	230	6	3	1	29	1	.03	1	22.4	1	52
L 101300N 15750E	.3	.90	16	42	.1	1	.11	.1	6	11	9	1.82	1	.05	6	.44	220	7	.01	15	210	1	3	1	17	1	.04	1	27.5	1	45
L 101300N 15900E	.3	.55	28	44	.1	4	.09	.1	3	6	4	.81	3	.06	2	.15	108	4	.01	6	240	11	4	1	15	1	.03	1	17.2	1	30
L 101300N 15950E	.6	.47	7	26	.1	4	.08	.1	5	6	5	.98	3	.06	2	.15	116	4	.01	7	280	12	4	1	16	1	.06	1	21.8	1	23
L 101300N 16000E	.4	1.37	30	49	.1	1	.10	.1	9	20	13	2.29	1	.07	16	.70	226	9	.01	20	490	1	5	1	17	1	.05	1	31.7	1	70
L 101300N 16050E	.4	.72	19	34	.1	1	.09	.1	5	7	6	1.25	1	.08	3	.25	144	5	.01	9	410	7	3	1	16	1	.06	1	27.5	1	31
L 101300N 16100E	.4	1.74	1	106	.1	1	.13	.1	13	17	26	3.71	1	.11	19	.92	407	12	.01	23	1230	1	4	2	24	1	.08	1	51.1	1	81
L 101300N 16150E	.2	1.27	1	82	.1	1	.16	.1	9	13	12	2.61	1	.08	11	.57	295	9	.01	18	510	1	4	1	23	1	.05	1	40.5	1	72
L 101300N 16175E	.2	.78	1	65	.1	1	.10	.1	6	9	8	1.64	1	.05	3	.25	393	5	.01	10	560	9	5	1	16	1	.05	1	38.9	1	34

(146)

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0124-SJ1+2
DATE: 96/09/03
• * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 101400N 14750E	.5	2.46	88	195	.1	1	.44	.1	16	61	25	3.71	1	.12	23	1.44	430	19	.01	60	400	1	4	2	38	1	.08	1	63.6	1	114
L 101400N 14800E	.5	1.47	49	76	.1	1	.41	.1	12	38	16	2.42	1	.05	9	1.16	298	10	.01	43	290	1	1	1	29	1	.06	1	43.5	1	50
L 101400N 14900E	.3	2.91	44	74	.1	1	.18	.1	13	76	19	4.40	1	.05	24	1.03	292	16	.01	44	620	1	12	2	15	1	.13	1	102.1	3	89
L 101400N 14950E	.5	1.26	1	74	.1	1	.12	.1	8	33	11	2.75	1	.05	8	.37	281	9	.01	22	320	1	6	1	11	1	.11	1	55.8	2	34
L 101400N 15000E	.5	1.28	1	59	.1	1	.13	.1	8	34	11	2.62	1	.05	8	.52	205	9	.01	25	600	1	5	1	11	1	.09	1	62.0	1	53
L 101400N 15050E	.3	1.85	30	93	.1	1	.19	.1	11	32	15	2.86	1	.06	17	.81	286	11	.01	30	470	1	7	1	20	1	.05	1	51.4	1	66
L 101400N 15100E	.5	1.33	48	69	.1	1	.23	.1	9	35	18	1.82	1	.08	13	.70	238	7	.01	32	670	1	4	1	15	1	.04	1	29.0	1	48
L 101400N 15150E	.5	.93	8	58	.1	1	.15	.1	6	27	9	1.55	1	.05	7	.42	204	5	.02	20	300	1	3	1	14	1	.06	1	37.5	2	35
L 101400N 15200E	.5	.79	5	51	.1	1	.10	.1	4	12	5	1.06	1	.04	2	.23	139	5	.01	8	210	6	4	1	12	1	.06	1	29.2	1	27
L 101400N 15250E	.4	1.13	1	51	.1	1	.11	.1	9	32	11	2.85	1	.06	7	.40	800	9	.01	22	1100	1	4	1	10	1	.10	1	62.2	2	51
L 101400N 15300E	.5	.94	1	40	.1	1	.10	.1	6	24	11	1.97	1	.04	6	.33	162	6	.01	17	420	1	3	1	10	1	.07	1	44.0	1	33
L 101400N 15350E	.6	1.02	1	46	.1	1	.11	.1	6	25	10	2.20	1	.04	6	.29	162	6	.01	15	700	1	4	1	10	1	.09	1	52.4	2	29
L 101400N 15400E	.4	1.33	1	60	.1	1	.14	.1	10	23	10	2.60	1	.09	8	.57	301	9	.01	19	420	1	4	1	14	1	.10	1	56.7	1	67
L 101400N 15450E	.5	1.49	20	56	.1	1	.15	.1	10	30	9	2.53	1	.08	11	.85	382	9	.01	23	700	1	3	1	16	1	.08	1	48.5	1	84
L 101400N 15500E	.6	1.47	1	58	.1	1	.14	.1	10	32	11	3.10	1	.07	13	.61	356	10	.01	23	1090	1	4	1	15	1	.08	1	59.6	1	71
L 101400N 15650E	.7	1.34	1	106	.1	1	.40	.1	16	21	97	2.32	1	.11	19	.33	681	11	.02	21	220	53	8	1	27	1	.05	1	35.7	1	179
L 101400N 15750E	.8	.93	25	40	.1	1	.22	.1	7	11	6	1.32	1	.21	5	.51	273	6	.01	12	160	3	2	1	26	1	.07	1	22.8	1	46
L 101400N 15800E	.5	.72	1	41	.1	1	.15	.1	4	7	14	1.31	1	.10	2	.29	156	6	.01	9	250	5	3	1	23	1	.05	1	20.5	1	36
L 101400N 15850E	.5	.47	4	31	.1	1	.12	.1	2	4	4	.52	1	.06	1	.12	68	2	.01	4	260	10	2	1	16	1	.02	1	11.1	1	20
L 101400N 15900E	.6	1.39	3	52	.1	1	.14	.1	10	13	10	2.62	1	.13	8	.73	462	9	.01	18	1260	1	4	1	21	1	.07	1	37.7	1	84
L 101400N 15950E	.9	1.54	30	58	.1	1	.21	.1	10	15	13	2.32	1	.16	12	.84	340	9	.01	18	180	1	4	1	27	1	.09	1	38.5	1	66
L 101400N 16000E	.5	1.07	1	37	.1	1	.23	.1	7	9	8	1.93	1	.07	6	.56	247	7	.01	12	180	1	2	1	24	1	.06	1	28.7	1	42
L 101400N 16050E	.3	.97	8	69	.1	1	.41	.1	9	10	36	1.61	1	.07	6	.47	569	9	.01	15	330	1	2	1	29	1	.03	1	26.6	1	46
L 101400N 16100E	.2	.88	1	78	.1	1	.16	.1	6	11	12	1.83	1	.05	6	.31	216	9	.01	13	280	1	2	1	16	1	.04	1	39.8	1	62
L 101400N 16150E	.1	1.10	1	67	.1	1	.17	.1	7	13	11	2.22	1	.07	6	.40	248	6	.01	12	820	1	4	1	20	1	.03	1	37.9	1	70
L 101400N 16200E	.1	1.37	1	90	.1	1	.24	.1	9	16	14	3.21	1	.10	10	.57	303	9	.01	16	1100	1	3	1	28	1	.07	1	50.3	1	68
L 101500N 15200E	.1	1.31	1	73	.1	1	.10	.1	8	31	11	2.41	1	.08	11	.55	387	8	.01	22	660	1	4	1	13	1	.09	1	50.4	1	50
L 101500N 15250E	.1	.86	1	84	.1	1	.10	.1	9	17	9	1.52	1	.06	6	.24	1315	6	.01	17	400	9	5	1	14	1	.06	1	30.1	1	49
L 101500N 15300E	.1	1.00	1	67	.1	1	.09	.1	6	21	11	1.78	1	.04	6	.18	342	7	.01	13	350	8	7	1	12	1	.06	1	48.6	1	31
L 101500N 15350E	.2	2.33	27	74	.1	1	.14	.1	14	52	18	4.27	1	.12	21	1.23	434	14	.01	35	1310	21	5	2	21	1	.11	1	79.2	1	75
L 101500N 15400E	.1	1.28	7	157	.1	1	.27	.1	10	30	9	2.16	1	.14	15	.61	484	8	.01	21	580	1	4	1	26	1	.06	1	47.6	1	60
L 101500N 15450E	.1	1.35	12	146	.1	1	.13	.1	10	40	10	2.14	1	.07	16	.62	345	8	.01	26	320	1	5	1	17	1	.04	1	40.5	2	49
L 101500N 15550E	.1	1.31	13	92	.1	1	.12	.1	8	36	4	1.95	1	.07	9	.51	279	7	.01	21	360	1	5	1	15	1	.06	1	39.1	2	76
L 101500N 15600E	.8	2.68	27	229	.1	1	.48	.1	19	30	125	3.67	1	.17	20	.71	2023	17	.02	41	560	237	14	2	38	1	.05	1	46.3	1	377
L 101500N 15650E	.2	1.36	16	135	.1	1	.38	.1	14	14	53	1.90	1	.10	9	.51	995	10	.01	20	330	91	6	1	35	1	.03	1	25.8	1	75
L 101500N 15700E	.2	.72	4	88	.1	1	.27	.1	6	10	10	1.13	1	.10	4	.26	218	5	.01	8	270	28	3	1	33	1	.04	1	20.9	1	72
L 101500N 15750E	.2	.89	30	61	.1	1	.47	.1	8	9	16	1.36	1	.10	7	.52	631	7	.01	10	350	1	2	1	40	1	.03	1	17.9	1	41
L 101500N 15800E	.3	.87	30	46	.1	1	.18	.1	6	6	19	1.21	1	.12	6	.50	231	5	.01	9	230	1	2	1	19	1	.04	1	16.7	1	50
L 101500N 15850E	.1	.73	19	50	.1	1	.15	.1	5	8	7	.99	1	.13	3	.32	178	4	.01	7	330	2	3	1	23	1	.02	1	16.0	1	32
L 101500N 15900E	.1	.58	27	41	.1	1	.13	.1	3	4	3	.61	1	.12	2	.25	111	3	.01	3	120	1	2	1	16	1	.04	1	12.5	1	29
L 101500N 15950E	.1	.42	1	28	.1	1	.10	.1	3	4	6	.82	1	.06	1	.14	66	3	.01	5	190	4	1	1	13	1	.05	1	20.3	1	26
L 101500N 16000E	.1	1.10	10	59	.1	1	.31	.1	7	7	5	1.80	1	.15	5	.54	342	7	.01	11	270	1	3	1	19	1	.08	1	36.1	1	70
L 101500N 16100E	.1	1.14	1	99	.1	1	.15	.1	7	13	11	2.14	1	.07	7	.40	264	7	.01	14	390	2	4	1	19	1	.04	1	38.8	1	103
L 101500N 16150E	.1	.84	1	117	.1	1	.20	.1	6	9	12	1.67	1	.06	4	.27	554	6	.01	11	520	8	3	1	23	1	.03	1	28.7	1	64
L 101500N 16200E	1.0	3.63	27	294	1.2	1	1.13	.1	24	36	396	4.44	1	.14	15	.77	3838	21	.02	46	740	101	23	2	78	1	.04	1	63.2	1	354
L 101600N 14700E	.1	1.92	52	59	.1	1	.29	.1	13	58	26	2.53	1	.05	28	.99	425	11	.01	41	740	1	5	1	21	1	.05	1	44.9	2	71
L 101600N 14750E	.1	2.69	63	120	.1	1	.19	.1	17	67	28	3.86	1	.09	30	1.19	578	18	.01	50	300	1	9	2	22	1	.09	1	75.2	1	116
L 101600N 14800E	.1	2.52	49	112	.1	1	.17	.1	16	55	21	3.97	1	.09	19	.88	730	14	.01	43	780	1	11	2	22	1	.10	1	72.5	1	205

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0124-SJ3+4
DATE: 96/09/03
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 101600N 14900E	.1	2.04	1	64	.1	1	.12	.1	10	53	15	3.65	1	.06	13	.69	343	13	.01	30	1470	1	8	2	15	1	.11	1	90.3	2	52
L 101600N 14950E	.1	2.70	1	66	.1	1	.14	.1	11	60	17	4.70	1	.06	18	.78	347	16	.01	36	2190	1	13	2	20	1	.11	1	101.8	2	76
L 101600N 15050E	.3	1.85	103	85	.1	1	.53	.1	18	50	23	3.01	1	.06	10	1.69	534	13	.01	61	470	1	1	2	39	1	.07	1	51.4	1	78
L 101600N 15150E	.1	1.34	32	92	.1	1	.44	.1	13	38	16	2.32	1	.06	6	1.15	585	9	.02	48	500	1	1	1	35	1	.05	1	41.3	1	52
L 101600N 15200E	.1	.45	1	47	.1	1	.14	.1	3	14	6	.72	1	.05	2	.17	121	3	.01	9	130	1	2	1	13	1	.05	1	18.7	1	31
L 101600N 15250E	.1	.89	6	79	.1	1	.43	.1	7	10	19	1.51	1	.06	6	.55	331	7	.01	16	500	7	1	1	35	1	.02	1	18.5	1	47
L 101600N 15300E	.4	1.74	26	168	.1	1	1.03	.1	11	28	60	2.48	1	.13	13	1.00	508	11	.01	34	580	6	2	1	62	1	.03	1	36.5	1	92
L 101600N 15350E	.1	1.38	24	128	.1	1	.57	.1	11	23	43	2.22	1	.13	11	.85	571	10	.01	27	460	5	2	1	41	1	.03	1	28.0	1	90
L 101600N 15400E	.1	1.06	15	90	.1	1	.39	.1	9	16	33	1.91	1	.09	8	.71	489	9	.01	23	470	5	1	1	30	1	.02	1	22.1	1	73
L 101600N 15450E	.2	1.24	26	83	.1	1	.34	.1	9	19	31	2.07	1	.10	12	.76	405	9	.01	23	210	4	2	1	28	1	.03	1	25.0	1	123
L 101600N 15500E	.5	1.17	18	102	.1	1	.48	.1	8	17	36	1.97	1	.12	9	.67	509	9	.01	20	440	22	2	1	37	1	.03	1	23.5	1	89
L 101600N 15550E	.4	1.29	15	102	.1	1	.48	.1	10	16	41	2.17	1	.15	11	.71	513	9	.01	20	370	17	4	1	40	1	.05	1	24.1	1	85
L 101600N 15600E	.4	1.25	1	54	.1	1	.26	.1	8	11	13	2.19	1	.14	7	.62	319	8	.01	14	360	1	4	1	36	1	.06	1	28.6	1	47
L 101600N 15650E	.2	.96	13	37	.1	1	.24	.1	7	8	9	1.38	1	.10	5	.54	239	5	.01	11	220	1	2	1	30	1	.05	1	22.2	1	37
L 101600N 15700E	.3	1.28	1	51	.1	1	.25	.1	9	11	10	2.08	1	.11	8	.62	275	8	.01	13	140	1	3	1	31	1	.10	1	37.2	1	41
L 101600N 15750E	.7	1.05	1	41	.1	3	.15	.1	11	13	11	2.59	1	.16	4	.56	268	10	.01	14	260	15	3	1	21	1	.18	1	48.9	1	49
L 101600N 15800E	.1	.40	1	28	.1	1	.34	.1	3	4	20	.60	1	.06	2	.15	88	3	.01	5	260	6	1	1	20	1	.02	1	11.5	1	20
L 101600N 15850E	.1	1.16	1	46	.1	1	.11	.1	6	5	10	1.94	1	.08	4	.28	305	7	.01	10	300	5	5	1	13	1	.07	1	45.6	1	43
L 101600N 15900E	.1	.77	1	41	.1	1	.24	.1	6	8	8	1.89	1	.08	3	.25	199	7	.01	10	220	1	3	1	20	1	.08	1	45.5	1	27
L 101600N 15950E	.1	.95	1	53	.1	1	.15	.1	7	14	11	2.23	1	.06	6	.33	294	8	.01	16	440	1	4	1	18	1	.05	1	40.9	1	77
L 101600N 16050E	.1	1.20	41	115	.1	1	.54	.1	10	75	18	1.92	1	.06	17	.85	282	8	.02	42	760	1	1	1	30	1	.05	1	40.1	3	38
L 101600N 16100E	.3	1.72	52	199	.1	1	.52	.1	14	65	35	2.52	1	.07	23	1.16	845	11	.03	59	760	1	3	1	35	1	.05	1	46.7	2	66
L 101600N 16150E	.1	1.70	1	48	.1	1	.15	.1	11	68	16	3.55	1	.05	14	.64	320	12	.01	46	600	1	7	2	13	1	.11	1	76.0	3	72
L 101700N 15200E	.1	2.48	1	73	.1	1	.12	.1	11	58	16	3.71	1	.06	15	.52	367	13	.01	28	720	1	15	2	14	1	.10	1	67.3	3	65
L 101700N 15250E	.1	1.41	73	79	.1	1	.43	.1	13	37	17	2.13	1	.06	7	1.25	343	9	.01	45	370	1	1	1	33	1	.05	1	37.6	1	48
L 101700N 15300E	.1	2.05	90	159	.1	1	.49	.1	15	46	24	2.95	1	.06	11	1.33	472	13	.01	50	330	1	3	1	44	1	.04	1	52.0	1	76
L 101700N 15350E	.2	1.02	3	55	.1	1	.16	.1	8	21	10	1.84	1	.06	5	.46	264	6	.01	17	320	1	4	1	18	1	.07	1	39.8	1	50
L 101700N 15400E	.1	.97	1	61	.1	1	.20	.1	7	23	11	1.89	1	.04	4	.37	142	7	.01	16	840	2	5	1	21	1	.07	1	52.2	1	35
L 101700N 15450E	.1	1.78	36	91	.1	1	.28	.1	17	61	24	3.71	1	.10	20	1.14	466	13	.01	45	720	1	3	2	24	1	.10	1	82.9	1	99
L 101700N 15500E	.2	1.67	24	131	.1	1	.91	.1	22	44	65	3.34	1	.13	18	.88	1018	12	.01	43	630	1	5	2	51	1	.07	1	53.3	1	161
L 101700N 15550E	.8	1.77	35	154	.1	1	.78	.1	11	26	112	2.51	1	.15	14	.85	621	12	.01	38	590	16	7	1	54	1	.04	1	37.2	1	177
L 101700N 15600E	.1	.33	1	72	.1	1	.25	.1	2	4	15	.47	1	.05	1	.06	70	2	.02	3	270	21	1	1	17	1	.01	1	10.2	1	45
L 101700N 15650E	.2	1.22	21	93	.1	1	.52	.1	8	15	28	1.92	1	.12	10	.68	454	7	.01	20	440	13	3	1	41	1	.04	1	25.0	1	85
L 101700N 15700E	.1	.71	1	58	.1	1	.30	.1	6	12	14	2.17	1	.07	4	.25	238	8	.01	10	350	16	3	1	25	1	.07	1	37.1	1	66
L 101700N 15750E	.4	.87	7	79	.1	1	.56	.1	7	11	19	1.65	1	.32	4	.44	271	6	.01	11	350	7	3	1	40	1	.08	1	29.4	1	53
L 101700N 15800E	.7	.98	15	36	.1	1	.17	.1	7	11	6	1.68	1	.10	5	.47	219	5	.01	12	380	9	4	1	27	1	.08	1	34.4	1	63
L 101700N 15850E	.3	.49	8	41	.1	1	.14	.1	3	5	5	.55	2	.08	2	.12	68	3	.01	4	150	11	4	1	19	1	.03	1	13.7	1	20
L 101700N 15900E	.4	1.64	23	54	.1	1	.17	.1	12	18	14	2.80	1	.23	14	1.00	408	10	.01	20	250	1	4	1	24	1	.10	1	38.8	1	70
L 101700N 15950E	1.1	1.37	18	59	.3	1	1.05	.1	5	6	78	1.21	1	.03	4	.13	891	7	.03	11	880	24	12	1	46	1	.02	1	17.8	1	24
L 101700N 16000E	.1	.30	1	27	.1	1	.08	.1	1	2	12	.27	1	.03	1	.03	21	1	.02	2	570	7	3	1	13	1	.01	1	6.5	1	8
L 101700N 16050E	.1	.80	1	41	.1	1	.15	.1	5	9	10	1.65	1	.06	4	.18	352	6	.01	9	510	5	4	1	19	1	.05	1	36.5	1	60
L 101700N 16150E	.1	.40	1	41	.1	1	.28	.1	2	4	16	.72	1	.03	1	.05	116	5	.02	4	400	6	3	1	26	1	.02	1	16.7	1	19
L 101700N 16200E	1.3	2.24	46	140	1.1	1	1.17	.1	15	27	197	3.00	1	.09	19	.55	1613	19	.02	29	1040	33	15	1	71	1	.03	1	55.5	1	81
L 101800N 14850E	.1	2.43	83	96	.1	1	.37	.1	20	67	32	4.10	1	.08	17	1.41	687	17	.01	67	560	1	4	2	36	1	.09	1	76.3	1	123
L 101800N 14900E	.1	2.46	75	113	.1	1	.35	.1	22	75	23	4.16	1	.07	17	1.51	604	16	.01	68	750	1	4	2	31	1	.08	1	74.5	1	158
L 101800N 14950E	.5	2.20	109	102	.1	1	.31	.1	21	58	40	3.26	1	.06	15	1.42	560	14	.01	73	370	1	4	2	32	1	.09	1	60.3	1	135
L 101800N 15000E	.1	1.41	1	52	.1	1	.13	.1	9	38	12	2.72	1	.06	13	.55	650	10	.01	25	740	1	7	1	14	1	.05	1	53.3	2	83
L 101800N 15050E	.2	1.15	1	51	.1	1	.10	.1	7	28	11	2.21	1	.04	8	.40	168	8	.01	18	680	1	6	1	14	1	.07	1	50.5	2	40

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0124-SJ5+6
DATE: 96/09/03
• * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 101800N 15100E	.1	1.53	1	51	.1	1	.08	.1	7	29	11	2.75	1	.03	9	.35	232	8	.01	19	1080	1	7	1	10	1	.06	1	54.4	1	42
L 101800N 15150E	.1	1.87	1	58	.1	1	.09	.1	8	48	12	3.35	1	.04	10	.45	259	11	.01	23	720	1	9	1	10	1	.08	1	57.3	2	43
L 101800N 15200E	.1	1.14	49	53	.1	1	.50	.1	14	34	22	2.11	1	.05	7	1.42	435	9	.01	58	560	1	1	1	29	1	.04	1	32.7	1	41
L 101800N 15250E	.1	1.29	1	107	.1	1	.16	.1	9	40	14	2.23	1	.06	15	.68	254	9	.01	28	440	1	3	1	17	1	.06	1	46.3	2	94
L 101800N 15350E	.1	1.06	1	67	.1	1	.10	.1	6	22	9	1.67	1	.04	7	.32	173	6	.01	15	270	1	5	1	11	1	.05	1	37.9	1	32
L 101800N 15400E	.1	1.38	1	83	.1	1	.10	.1	8	51	8	2.36	1	.04	9	.55	335	8	.01	24	800	1	6	1	14	1	.07	1	47.8	2	60
L 101800N 15450E	.1	1.59	1	73	.1	1	.13	.1	10	36	13	3.13	1	.06	19	.53	239	10	.01	26	640	1	7	1	14	1	.08	1	54.7	1	62
L 101800N 15500E	.1	1.24	24	94	.1	1	.13	.1	11	14	15	2.14	1	.44	5	.94	382	8	.01	16	290	1	1	1	14	1	.11	1	43.8	1	53
L 101800N 15550E	.2	1.57	17	104	.1	1	.40	.1	15	38	28	2.58	1	.10	21	.98	609	11	.01	36	230	1	3	1	28	1	.07	1	47.7	1	157
L 101800N 15600E	.5	1.67	55	128	.1	1	.31	.1	14	21	15	2.79	1	.35	11	1.10	493	11	.01	24	270	1	2	1	23	1	.11	1	45.3	1	55
L 101800N 15650E	.1	1.10	1	105	.1	1	.31	.1	13	77	16	2.52	1	.09	13	.74	308	10	.01	55	270	1	1	1	22	1	.07	1	55.7	4	48
L 101800N 15700E	.7	1.13	19	128	.1	1	.67	.1	6	14	38	1.44	1	.07	9	.57	262	6	.01	16	490	6	2	1	45	1	.03	1	20.5	1	52
L 101800N 15750E	.1	1.14	11	82	.1	1	.21	.1	9	16	24	1.87	1	.10	11	.65	356	8	.01	18	340	6	2	1	23	1	.03	1	24.2	1	69
L 101800N 15800E	.1	1.21	1	71	.1	1	.18	.1	8	16	23	2.37	1	.10	7	.66	323	9	.01	19	590	3	3	1	21	1	.04	1	34.1	1	64
L 101800N 15850E	.1	1.12	1	57	.1	1	.10	.1	7	17	14	2.46	1	.09	7	.56	228	10	.01	16	350	1	3	1	16	1	.05	1	32.8	1	46
L 101800N 15900E	.1	1.44	1	68	.1	1	.12	.1	10	22	24	3.21	1	.11	13	.61	328	11	.01	18	330	5	6	1	17	1	.09	1	39.8	1	64
L 101800N 15950E	.5	1.04	32	56	.1	1	.14	.1	7	9	6	1.36	1	.24	4	.62	240	6	.01	10	160	1	3	1	21	1	.07	1	22.0	1	54
L 101800N 16000E	.2	.83	4	40	.1	1	.17	.1	6	8	7	1.56	1	.07	4	.41	204	6	.01	10	200	1	3	1	24	1	.07	1	27.2	1	28
L 101800N 16150E	.2	.50	4	29	.1	2	.13	.1	3	4	4	.57	1	.10	2	.21	107	3	.01	4	100	4	2	1	17	1	.05	1	14.3	1	19
L 101800N 16200E	.2	1.70	23	102	.1	1	.20	.1	10	13	24	2.98	1	.16	13	.76	456	10	.01	17	360	1	8	1	28	1	.09	1	54.0	1	75
L 102000N 14750E	.1	1.31	1	62	.1	1	.15	.1	8	11	19	2.14	1	.06	10	.50	324	10	.01	14	430	1	7	1	17	1	.05	1	35.5	1	48
L 102000N 14800E	.2	.62	1	70	.1	1	.42	.1	3	4	27	.77	1	.04	1	.05	50	4	.01	5	300	11	5	1	29	1	.03	1	17.1	1	20
L 102000N 14850E	1.9	2.80	102	189	1.1	1	1.52	.1	12	29	230	3.00	1	.12	20	.70	907	18	.01	28	1390	109	18	2	84	1	.02	1	45.9	1	113
L 102000N 14900E	.2	.85	22	53	.1	1	.17	.1	7	17	12	1.17	1	.04	4	.50	191	5	.02	23	270	1	2	1	16	1	.02	1	18.1	1	22
L 102000N 15050E	.1	1.61	1	85	.1	1	.08	.1	7	38	15	2.62	1	.06	9	.38	523	9	.01	20	720	5	9	1	11	1	.07	1	52.5	2	72
L 102000N 15100E	.1	1.50	1	115	.1	1	.20	.1	9	52	13	2.77	1	.07	19	.80	268	11	.01	28	220	1	5	1	19	1	.08	1	58.9	2	46
L 102000N 15150E	.1	1.91	25	57	.1	1	.15	.1	10	43	15	3.19	1	.05	18	.72	270	11	.01	27	1820	1	10	1	17	1	.07	1	57.2	1	68
L 102000N 15200E	.1	1.97	8	84	.1	1	.14	.1	9	37	15	2.88	1	.05	11	.58	411	11	.01	24	1340	1	12	1	21	1	.07	1	49.5	2	67
L 102000N 15250E	.1	1.37	14	45	.1	1	.19	.1	7	31	10	1.96	1	.06	15	.67	215	9	.01	23	330	1	6	1	20	1	.06	1	38.9	2	63
L 102000N 15300E	.2	1.81	37	86	.1	1	.20	.1	9	25	8	2.27	1	.15	14	.90	277	10	.01	21	420	1	8	1	23	1	.10	1	45.4	1	73
L 102000N 15350E	.1	1.14	1	58	.1	1	.16	.1	8	28	9	2.00	1	.08	5	.53	256	8	.01	19	450	1	5	1	18	1	.09	1	47.3	2	41
L 102000N 15400E	.1	1.49	4	83	.1	1	.19	.1	10	41	16	2.60	1	.05	17	.82	234	9	.01	34	730	1	4	1	17	1	.05	1	45.9	1	50
L 102000N 15450E	.1	1.39	1	71	.1	1	.13	.1	8	34	13	2.57	1	.04	11	.49	220	9	.01	24	1300	1	7	1	15	1	.07	1	52.3	2	91
L 102000N 15500E	2.1	1.86	59	194	.1	1	1.46	.1	17	36	345	2.63	1	.11	25	.83	873	10	.02	63	830	1	8	1	94	1	.04	1	40.2	1	97
L 102000N 15550E	.3	1.31	6	119	.1	1	.64	.1	10	16	100	1.71	1	.07	17	.44	997	7	.02	25	420	20	7	1	58	1	.03	1	22.0	1	313
L 102000N 15600E	.2	1.60	31	120	.1	1	.69	.1	10	18	94	2.23	1	.12	19	.76	512	11	.01	25	630	16	7	1	61	1	.03	1	25.7	1	327
L 102000N 15650E	.4	1.40	4	122	.1	1	.61	.1	11	18	77	2.37	1	.12	11	.72	790	12	.01	24	660	25	6	1	46	1	.03	1	26.8	1	148
L 102000N 15700E	.1	1.32	1	129	.1	1	.65	.1	11	17	51	2.30	1	.12	10	.70	688	11	.01	22	480	17	5	1	49	1	.03	1	27.6	1	111
L 102000N 15750E	.1	1.28	28	97	.1	1	.49	.1	10	19	37	2.27	1	.11	9	.87	639	12	.01	25	730	13	4	1	42	1	.03	1	27.9	1	76
L 102000N 15800E	.1	.84	12	49	.1	1	.30	.1	6	14	25	1.62	1	.07	7	.58	325	8	.01	16	470	6	3	1	32	1	.03	1	19.6	1	50
L 102000N 15850E	.8	1.78	33	113	.1	1	.48	.1	11	20	64	2.38	1	.11	19	.81	589	12	.01	24	630	81	11	1	40	1	.03	1	35.5	1	96
L 102000N 15900E	.3	1.19	11	97	.1	1	.63	.1	9	11	26	1.71	1	.09	7	.62	571	8	.01	14	450	13	6	1	45	1	.03	1	25.0	1	47
L 102000N 15950E	.3	1.06	21	53	.1	1	.31	.1	7	10	8	1.58	1	.08	7	.66	287	6	.01	13	180	1	4	1	32	1	.04	1	23.8	1	47
L 102000N 16000E	.2	1.18	17	64	.1	1	.53	.1	9	13	12	1.88	1	.11	8	.74	382	9	.01	14	280	1	4	1	39	1	.05	1	27.2	1	57
L 102000N 16050E	.3	1.02	1	53	.1	1	.13	.1	8	14	17	2.25	1	.11	7	.52	337	8	.01	13	390	35	5	1	19	1	.07	1	41.4	1	62
L 102000N 16100E	.4	1.29	45	41	.1	1	.10	.1	7	5	11	1.60	1	.10	8	.86	339	7	.01	12	170	2	4	1	18	1	.05	1	23.5	1	64
L 102000N 16150E	.2	1.50	1	53	.1	1	.12	.1	9	20	21	3.23	1	.07	10	.53	356	11	.01	21	530	14	10	1	14	1	.07	1	53.6	1	66
L 102000N 16200E	.4	1.40	5	45	.1	1	.17	.1	11	18	20	3.21	1	.12	8	.66	343	11	.01	20	350	1	8	1	18	1	.11	1	51.1	1	49

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0124-SJ7
DATE: 96/09/03
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 102000N 16150E	.1	1.35	1	36	.1	1	.12	.1	9	13	21	3.20	1	.07	8	.43	368	10	.01	13	470	20	8	1	13	1	.08	1	49.0	1	55
L 102000N 16200E	.1	1.20	1	40	.1	1	.09	.1	8	10	51	2.45	1	.05	4	.29	683	8	.01	11	610	5	9	1	10	1	.04	1	41.3	1	46

(160)

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0125-SJ1+2
DATE: 96/09/16
* • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 101900N 15200E	.1	1.43	1	69	.1	1	.12	.1	8	29	11	2.84	1	.04	10	.36	216	8	.01	18	840	1	6	1	16	1	.09	1	56.4	1	48
L 101900N 15250E	.1	1.39	1	87	.1	1	.11	.1	8	36	13	3.13	1	.05	8	.44	287	10	.01	24	950	1	5	1	16	1	.10	1	83.5	2	46
L 101900N 15300E	.1	1.02	1	47	.1	1	.12	.1	6	32	10	2.28	1	.04	4	.25	320	7	.01	18	740	1	4	1	14	1	.09	1	61.6	1	38
L 101900N 15350E	.1	2.15	109	140	.1	1	.75	.1	17	46	61	3.08	1	.12	14	1.62	681	14	.01	57	560	1	1	2	54	1	.05	1	49.4	1	78
L 101900N 15400E	.1	1.53	40	132	.1	1	.61	.1	11	26	41	2.30	1	.13	12	.88	585	11	.01	27	530	1	2	1	47	1	.04	1	33.9	1	86
L 101900N 15450E	.1	1.33	35	117	.1	1	.51	.1	9	16	41	1.97	1	.12	9	.74	521	9	.01	19	500	5	2	1	42	1	.03	1	25.9	1	75
L 101900N 15500E	.4	2.56	79	284	.1	1	.99	.1	14	27	97	3.22	1	.25	17	1.02	1201	14	.01	37	720	52	8	2	75	1	.03	1	39.6	1	206
L 101900N 15550E	.1	1.25	30	120	.1	1	.45	.1	6	15	31	1.55	1	.10	6	.63	288	8	.01	16	460	1	1	1	39	1	.02	1	22.3	1	68
L 101900N 15600E	.1	1.19	29	122	.1	1	.53	.1	6	14	28	1.61	1	.11	7	.65	340	9	.01	15	440	1	1	1	41	1	.03	1	22.1	1	66
L 101900N 15650E	.1	.95	11	101	.1	1	.48	.1	6	13	26	1.55	1	.09	5	.52	359	8	.01	13	410	3	1	1	38	1	.03	1	22.2	1	59
L 101900N 15700E	.1	1.19	29	94	.1	1	.57	.1	9	12	34	1.80	1	.12	8	.67	517	8	.01	15	410	9	1	1	46	1	.04	1	23.6	1	68
L 101900N 15750E	.1	1.06	34	58	.1	1	.52	.1	8	10	15	1.65	1	.14	6	.66	294	7	.01	13	430	1	1	1	47	1	.04	1	23.0	1	46
L 101900N 15800E	.1	.68	4	45	.1	1	.30	.1	4	5	6	1.07	1	.08	1	.27	141	4	.01	6	160	5	2	1	36	1	.06	1	24.1	1	28
L 101900N 15850E	.1	.78	13	28	.1	1	.19	.1	5	8	9	1.06	1	.13	1	.31	146	5	.01	6	160	6	2	1	26	1	.07	1	23.4	1	30
L 101900N 15900E	.1	1.22	17	59	.1	1	.21	.1	9	16	11	2.27	1	.18	6	.69	318	8	.01	16	260	1	2	1	26	1	.09	1	41.5	1	66
L 101900N 15950E	.1	.99	5	45	.1	1	.16	.1	6	8	14	1.64	1	.07	3	.42	255	7	.01	9	340	3	3	1	19	1	.05	1	36.6	1	50
L 101900N 16000E	.1	1.29	1	72	.1	1	.16	.1	8	15	22	2.42	1	.08	6	.53	333	9	.01	17	390	14	3	1	20	1	.05	1	43.4	1	70
L 101900N 16050E	.1	1.00	1	45	.1	1	.22	.1	6	14	24	2.21	1	.05	4	.34	181	9	.01	16	590	1	1	1	17	1	.04	1	40.2	1	42
L 101900N 16150E	.1	1.13	1	63	.1	1	.28	.1	8	7	21	2.59	1	.07	5	.39	990	8	.01	14	1230	1	1	1	20	1	.02	1	37.0	1	91
L 102100N 15200E	.1	1.35	1	60	.1	1	.12	.1	6	40	6	1.96	1	.04	13	.45	156	7	.01	18	250	1	3	1	12	1	.05	1	39.6	2	27
L 102100N 15250E	.1	1.29	42	81	.1	1	.23	.1	9	33	11	1.81	1	.12	12	.81	327	7	.01	24	330	1	1	1	19	1	.05	1	35.5	1	42
L 102100N 15300E	.1	1.38	1	94	.1	1	.18	.1	8	58	8	2.34	1	.05	6	.56	381	8	.01	20	950	1	4	1	20	1	.08	1	54.4	3	55
L 102100N 15350E	.1	1.53	45	79	.1	1	.26	.1	10	59	17	2.21	1	.08	21	.92	261	9	.02	44	280	1	1	1	21	1	.06	1	43.1	2	40
L 102100N 15400E	.1	1.44	62	127	.1	1	.97	.1	12	25	62	1.97	1	.07	6	1.07	546	9	.02	46	470	1	1	1	56	1	.04	1	29.1	1	42
L 102100N 15550E	.1	2.63	20	111	.1	1	.17	.1	10	6	38	3.73	1	.29	30	.86	524	13	.01	17	150	1	9	2	25	1	.03	1	49.4	1	77
L 102100N 15600E	.1	.58	1	61	.1	1	.42	.1	4	7	30	1.15	1	.09	1	.18	101	5	.01	8	180	3	1	1	44	1	.06	1	38.4	1	82
L 102100N 15650E	.1	.63	7	82	.1	1	.10	.1	4	8	16	1.20	1	.06	5	.29	141	5	.01	10	350	10	1	1	16	1	.02	1	21.5	1	42
L 102100N 15700E	.1	1.17	5	109	.1	1	.23	.1	10	11	11	2.12	1	.12	6	.54	577	7	.01	14	140	21	2	1	30	1	.07	1	37.6	1	104
L 102100N 15750E	.1	1.12	34	49	.1	1	.31	.1	8	9	12	1.85	1	.11	7	.68	345	6	.01	13	430	2	1	1	36	1	.05	1	25.4	1	50
L 102100N 15800E	.1	1.36	32	59	.1	1	.30	.1	9	14	14	2.11	1	.15	8	.73	345	8	.01	16	430	11	3	1	37	1	.08	1	36.6	1	56
L 102100N 15850E	.2	.93	1	46	.1	2	.21	.1	8	16	10	2.12	1	.10	5	.40	393	7	.01	13	300	27	3	1	27	1	.12	1	49.1	1	67
L 102100N 15900E	.4	.85	12	42	.1	8	.31	.1	7	11	9	1.41	1	.16	4	.41	220	6	.01	9	240	15	2	1	42	1	.12	1	40.8	1	39
L 102100N 15950E	.2	1.47	22	46	.1	1	.22	.1	11	15	28	2.44	1	.15	9	.78	401	10	.01	17	360	15	2	1	23	1	.09	1	43.1	1	86
L 102100N 16000E	.1	.93	1	58	.1	1	.29	.1	8	13	16	2.29	1	.09	4	.32	286	10	.01	14	410	7	2	1	23	1	.09	1	62.9	1	80
L 102100N 16100E	.1	.90	1	51	.1	1	.32	.1	7	9	16	2.35	1	.08	4	.33	213	12	.01	12	320	1	2	1	22	1	.09	1	53.6	1	33
L 102100N 16150E	.1	1.28	14	94	.1	1	1.13	.1	7	16	42	1.95	1	.04	14	.51	288	9	.01	16	380	1	3	1	48	1	.03	1	38.6	1	39
L 102100N 16200E	.1	.91	1	60	.1	1	.12	.1	6	6	16	1.65	1	.05	3	.35	203	6	.02	9	190	1	2	1	14	1	.07	1	37.2	1	29
L 102200N 14650E	.1	1.34	60	133	.1	1	.44	.1	13	56	22	2.16	1	.08	20	1.10	445	9	.02	47	650	1	1	1	25	1	.04	1	41.1	1	50
L 102200N 14700E	.1	1.44	56	137	.1	1	.41	.1	12	51	20	2.10	1	.06	19	.96	575	9	.02	43	620	1	1	1	26	1	.05	1	41.2	1	54
L 102200N 14750E	.1	1.80	27	167	.1	1	.27	.1	11	52	17	2.90	1	.15	25	.95	629	14	.02	34	260	1	3	1	23	1	.12	1	60.2	2	71
L 102200N 14800E	.1	1.58	1	45	.1	1	.12	.1	11	40	23	3.45	1	.11	12	.58	380	11	.01	25	390	1	5	2	15	1	.11	1	65.4	1	50
L 102200N 14850E	.1	2.15	1	239	.1	1	.10	.1	9	34	11	3.25	1	.16	12	.75	283	12	.02	22	530	1	8	2	13	1	.10	1	60.2	1	52
L 102200N 14900E	.1	1.61	15	80	.1	1	.10	.1	9	50	13	2.81	1	.07	15	.63	426	11	.02	23	440	1	6	1	13	1	.12	1	68.4	2	69
L 102200N 14950E	.1	1.25	1	52	.1	1	.06	.1	7	30	9	2.73	1	.05	7	.30	289	8	.01	17	570	5	5	1	8	1	.09	1	64.9	2	33
L 102200N 15000E	.1	1.11	37	110	.1	1	.13	.1	7	7	9	1.47	1	.19	5	.55	253	7	.02	11	170	1	2	1	17	1	.07	1	22.8	1	31
L 102200N 15050E	.1	2.17	41	128	.1	1	.20	.1	11	66	14	2.99	1	.08	26	.88	217	13	.02	32	300	1	6	2	18	1	.11	1	79.0	3	43
L 102200N 15100E	.1	.87	32	40	.1	1	.13	.1	6	29	6	1.32	1	.05	7	.46	150	5	.01	15	170	1	1	1	12	1	.06	1	29.3	1	25
L 102200N 15150E	.1	1.38	17	60	.1	1	.15	.1	7	25	8	1.84	1	.05	10	.45	188	7	.01	19	420	1	4	1	15	1	.04	1	29.0	1	38

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0125-SJ3+4
DATE: 96/09/16
• * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 102200N 15200E	.1	1.23	8	59	.1	1	.18	.1	9	38	9	1.98	1	.07	12	.69	247	7	.01	25	430	1	2	1	18	1	.06	1	40.2	2	54
L 102200N 15250E	.1	1.41	35	82	.1	1	.25	.1	9	45	13	1.67	1	.04	13	.74	204	7	.01	38	340	1	4	1	20	1	.04	1	28.6	2	32
L 102200N 15300E	.1	1.37	45	73	.1	1	.19	.1	9	48	7	1.72	1	.05	16	.72	165	7	.01	32	250	1	3	1	17	1	.06	1	40.3	2	31
L 102200N 15350E	.1	1.11	65	40	.1	1	.50	.1	13	37	19	2.06	1	.05	6	1.54	378	8	.01	62	390	1	1	1	32	1	.06	1	33.3	1	38
L 102200N 15400E	.1	2.13	109	195	.1	1	.92	.1	24	362	55	4.38	1	.05	32	1.48	1256	15	.01	163	430	1	3	2	56	1	.02	1	62.7	16	94
L 102200N 15450E	.2	2.34	95	107	.1	1	.44	.1	23	37	21	3.69	1	.29	25	1.95	752	13	.02	36	500	1	1	2	38	1	.13	1	57.1	1	146
L 102200N 15500E	.1	1.02	1	67	.1	1	.19	.1	9	28	13	3.06	1	.11	7	.43	230	10	.01	21	190	1	2	1	18	1	.10	1	77.9	1	46
L 102200N 15600E	.1	1.70	1	88	.1	1	.09	.1	9	17	45	3.89	1	.11	19	.53	417	14	.01	20	410	1	7	2	10	1	.02	1	56.7	1	185
L 102200N 15650E	4.0	4.71	112	280	5.1	1	.75	.1	45	50	1278	5.80	1	.15	23	1.08	1925	29	.02	104	980	380	28	3	64	1	.05	1	53.3	1	734
L 102200N 15700E	.3	2.34	1	132	.1	1	.26	.1	31	36	331	4.92	1	.13	23	.98	1738	22	.01	49	680	145	8	2	31	1	.05	1	48.8	1	780
L 102200N 15750E	.1	1.38	21	90	.1	1	.35	.1	10	13	40	2.01	1	.14	7	.71	386	8	.01	17	240	46	3	1	40	1	.06	1	29.6	1	65
L 102200N 15800E	.1	1.16	1	57	.1	1	.21	.1	8	13	10	2.38	1	.11	5	.59	262	8	.01	13	280	1	2	1	31	1	.10	1	40.2	1	50
L 102200N 15850E	.2	1.04	1	42	.1	1	.22	.1	8	17	8	2.00	1	.11	3	.45	213	7	.01	14	440	6	3	1	30	1	.11	1	51.0	1	45
L 102200N 15900E	.1	.93	17	40	.1	1	.25	.1	6	10	14	1.28	1	.17	3	.50	304	5	.01	11	220	13	1	1	33	1	.07	1	24.7	1	60
L 102200N 15950E	.1	1.04	1	66	.1	1	.17	.1	6	7	14	1.88	1	.06	2	.22	347	5	.01	9	400	14	5	1	20	1	.05	1	41.5	1	87
L 102200N 16050E	.1	1.03	1	66	.1	1	.15	.1	7	12	11	2.29	1	.05	7	.36	305	7	.01	16	430	4	3	1	17	1	.06	1	44.8	1	69
L 102200N 16150E	.1	1.48	1	78	.1	1	.22	.1	8	11	15	2.97	1	.07	7	.51	300	9	.01	18	850	1	5	1	24	1	.05	1	47.9	1	63
L 102200N 16200E	.1	.81	1	56	.1	1	.05	.1	4	3	15	1.76	1	.06	2	.17	236	5	.01	6	340	10	3	1	6	1	.02	1	41.3	1	53
L 102300N 15200E	.1	.82	1	48	.1	1	.09	.1	4	24	5	1.58	1	.03	5	.23	99	5	.01	11	350	1	4	1	9	1	.05	1	39.7	1	17
L 102300N 15250E	.1	.69	6	50	.1	1	.15	.1	5	22	4	1.07	1	.04	4	.38	125	5	.01	14	120	2	1	1	16	1	.05	1	26.0	1	20
L 102300N 15300E	.1	.83	1	53	.1	1	.18	.1	7	24	7	1.69	1	.05	3	.43	427	5	.01	13	310	1	2	1	19	1	.05	1	36.4	1	26
L 102300N 15350E	.1	1.46	64	69	.1	1	.56	.1	15	38	32	2.42	1	.07	9	1.56	439	10	.01	62	570	1	1	1	37	1	.05	1	37.6	1	51
L 102300N 15400E	1.3	2.53	37	161	.1	1	1.90	.1	23	18	96	4.34	1	.44	16	1.53	974	15	.01	43	1490	1	4	2	87	1	.13	1	37.6	1	99
L 102300N 15450E	.1	.80	118	80	.1	1	.61	.1	53	794	20	3.44	1	.03	7	1.86	551	11	.02	480	140	1	1	2	35	1	.03	1	33.6	38	67
L 102300N 15500E	.1	.57	1	49	.1	1	.15	.1	4	11	7	1.10	1	.07	2	.14	163	4	.01	6	120	4	2	1	15	1	.04	1	30.3	1	33
L 102300N 15550E	.1	1.35	24	58	.1	1	.17	.1	6	11	6	1.78	1	.08	7	.38	288	7	.01	11	130	24	7	1	21	1	.07	1	47.5	1	66
L 102300N 15600E	.1	1.97	8	138	.1	1	.16	.1	12	24	12	3.90	1	.21	13	.84	447	14	.02	20	260	1	7	2	21	1	.05	1	86.6	1	76
L 102300N 15650E	.1	1.03	1	85	.1	1	.13	.1	11	17	20	3.27	1	.08	4	.47	316	10	.01	22	1050	1	2	1	17	1	.04	1	62.2	1	77
L 102300N 15700E	.1	1.95	66	205	.1	1	.35	.1	20	43	353	3.62	1	.08	17	1.16	1046	21	.01	57	600	32	4	2	38	1	.03	1	47.2	1	318
L 102300N 15750E	.6	1.86	1	126	.1	1	.25	.1	12	16	324	4.42	1	.11	18	.32	283	24	.01	21	680	143	11	2	28	1	.04	1	27.2	1	231
L 102300N 15800E	.1	1.06	1	67	.1	1	.13	.1	9	12	11	2.66	1	.14	6	.48	307	8	.01	14	340	7	3	1	24	1	.11	1	49.7	1	59
L 102300N 15850E	.4	.98	21	51	.1	1	.24	.1	8	9	9	1.45	1	.10	5	.48	274	6	.01	10	240	13	2	1	30	1	.08	1	36.2	1	58
L 102300N 15900E	.7	1.06	10	66	.1	1	.21	.1	9	10	136	1.88	1	.07	6	.43	308	7	.01	14	500	33	3	1	24	1	.05	1	28.4	1	88
L 102300N 15950E	.1	.71	1	50	.1	1	.15	.1	4	7	12	1.29	1	.05	1	.13	166	5	.01	9	290	9	3	1	16	1	.04	1	38.6	1	53
L 102300N 16000E	.1	2.40	87	101	.1	1	.31	.1	13	26	90	3.26	1	.07	25	1.24	477	12	.01	32	250	8	6	2	33	1	.06	1	51.7	1	82
L 102300N 16050E	.2	1.20	1	60	.1	1	.21	.1	9	11	22	2.56	1	.08	3	.46	306	8	.01	15	480	1	4	1	24	1	.12	1	56.3	1	53
L 102300N 16100E	.4	1.37	1	50	.1	2	.16	.1	10	11	12	2.70	1	.09	6	.57	313	9	.01	17	390	1	5	1	21	1	.14	1	59.1	1	51
L 102300N 16150E	.3	1.56	1	56	.1	1	.18	.1	11	17	27	3.54	1	.05	6	.59	365	11	.01	21	620	1	6	2	22	1	.12	1	76.4	1	64
L 102300N 16200E	.4	2.00	83	92	.1	1	.29	.1	13	20	26	3.06	1	.08	13	1.00	398	12	.01	25	250	1	5	2	28	1	.10	1	54.4	1	83
L 102400N 14650E	.1	1.15	41	46	.1	1	.16	.1	6	36	9	1.47	1	.05	9	.52	147	7	.01	18	310	1	4	1	14	1	.08	1	46.7	2	28
L 102400N 14700E	.1	2.09	46	92	.1	1	.13	.1	11	51	14	3.50	1	.06	20	.75	385	12	.02	28	840	1	9	2	15	1	.13	1	93.4	3	81
L 102400N 14750E	.2	1.48	32	71	.1	1	.10	.1	8	65	9	2.24	1	.11	13	.73	277	10	.02	25	240	1	5	1	12	1	.12	1	79.7	4	41
L 102400N 14800E	.1	1.28	1	48	.1	1	.07	.1	8	26	12	2.49	1	.04	10	.33	186	8	.01	17	330	5	6	1	8	1	.09	1	63.3	2	32
L 102400N 14900E	.1	2.89	36	85	.1	1	.08	.1	11	59	16	3.76	1	.06	22	.64	328	15	.01	30	620	1	16	2	11	1	.11	1	86.4	3	115
L 102400N 14950E	.4	1.61	1	88	.1	1	.14	.1	12	52	16	4.25	1	.07	14	.51	162	14	.01	28	210	1	7	2	11	1	.20	1	134.3	3	30
L 102400N 15000E	.1	1.49	4	106	.1	1	.13	.1	12	59	31	3.30	1	.10	19	.80	289	14	.02	39	270	1	3	1	13	1	.11	1	90.4	3	48
L 102400N 15050E	.1	1.22	1	65	.1	1	.15	.1	7	22	8	2.55	1	.06	9	.45	188	8	.01	17	740	1	4	1	17	1	.07	1	50.6	1	44
L 102400N 15100E	.1	1.58	63	86	.1	1	.24	.1	9	40	10	1.83	1	.06	17	.76	221	8	.01	32	340	1	5	1	21	1	.05	1	34.6	2	38

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0125-SJ5+6
DATE: 96/09/16
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 102400N 15150E	.1	1.25	3	69	.1	1	.25	.1	7	40	7	2.10	1	.05	17	.57	183	8	.01	23	280	1	3	1	20	1	.05	1	39.9	2	30
L 102400N 15200E	.1	1.27	12	63	.1	1	.18	.1	8	57	9	2.28	1	.07	15	.70	213	8	.01	28	320	1	2	1	15	1	.07	1	50.0	3	41
L 102400N 15250E	.1	1.40	1	67	.1	1	.17	.1	8	68	8	2.55	1	.04	19	.67	172	8	.01	31	320	1	3	1	16	1	.07	1	57.7	3	41
L 102400N 15300E	.1	1.26	62	56	.1	1	.58	.1	15	35	25	2.20	1	.07	8	1.54	468	9	.01	66	520	1	1	1	35	1	.06	1	35.6	1	44
L 102400N 15350E	.1	1.60	70	80	.1	1	.78	.1	16	37	30	2.62	1	.10	10	1.52	438	11	.01	60	620	1	1	2	46	1	.06	1	42.0	1	68
L 102400N 15450E	.7	2.19	33	200	.1	1	.56	.1	16	35	38	3.53	1	.06	15	.94	404	11	.01	31	370	1	7	2	18	1	.20	1	108.1	1	70
L 102400N 15500E	.1	1.50	1	120	.1	1	.22	.1	11	28	13	3.48	1	.13	11	.77	349	11	.01	24	340	1	3	2	26	1	.09	1	73.9	1	69
L 102400N 15550E	.1	1.46	26	65	.1	1	.31	.1	8	18	13	2.09	1	.08	11	.76	325	9	.01	19	150	1	3	1	31	1	.03	1	28.7	1	47
L 102400N 15600E	.3	1.39	36	111	.1	1	1.26	.1	9	15	48	1.91	1	.16	11	.78	510	8	.01	19	740	1	2	1	66	1	.03	1	27.6	1	111
L 102400N 15650E	.1	1.46	22	76	.1	1	.25	.1	9	14	24	2.32	1	.14	10	.81	362	11	.01	17	250	1	2	1	30	1	.05	1	38.5	1	123
L 102400N 15700E	.8	1.38	26	134	.1	1	.63	.1	12	15	73	1.95	1	.13	11	.66	510	10	.02	18	500	12	4	1	53	1	.04	1	29.5	1	211
L 102400N 15750E	.2	1.28	21	67	.1	1	.40	.1	9	10	18	1.87	1	.21	8	.73	358	7	.01	14	290	1	2	1	44	1	.06	1	27.7	1	45
L 102400N 15800E	.3	1.74	2	82	.1	1	.19	.1	12	21	23	3.08	1	.19	14	.89	449	10	.01	24	260	7	4	1	27	1	.09	1	41.0	1	56
L 102400N 15850E	.2	.74	1	63	.1	1	.49	.1	5	8	7	1.26	1	.10	2	.29	146	4	.01	6	240	7	1	1	43	1	.08	1	36.1	1	30
L 102400N 15900E	.4	1.28	3	51	.1	1	.30	.1	10	13	17	2.20	1	.14	8	.63	346	8	.01	15	210	39	3	1	34	1	.11	1	41.1	1	77
L 102400N 15950E	.1	1.21	1	56	.1	1	.16	.1	9	18	15	3.00	1	.07	8	.53	267	9	.01	21	380	6	4	1	19	1	.10	1	51.0	1	76
L 102400N 16000E	.1	.93	1	51	.1	1	.14	.1	8	14	11	2.61	1	.07	4	.35	236	7	.01	15	300	8	3	1	15	1	.12	1	61.2	1	54
L 102400N 16050E	.3	1.31	1	47	.1	1	.15	.1	10	16	17	3.12	1	.06	6	.51	316	9	.01	18	390	1	5	1	17	1	.13	1	63.3	1	50
L 102400N 16100E	.4	1.40	6	88	.1	1	.35	.1	8	14	69	2.07	1	.07	9	.63	335	9	.01	17	760	42	5	1	27	1	.04	1	35.9	1	107
L 102400N 16150E	.1	1.86	28	131	.1	1	.65	.1	12	17	69	2.67	1	.11	18	.85	770	10	.01	28	730	16	6	2	36	1	.04	1	36.9	1	91
L 102400N 16200E	.6	1.57	27	138	.1	1	1.68	.1	8	12	60	1.88	1	.07	10	.48	1300	10	.02	19	990	35	9	1	61	1	.03	1	26.8	1	48
L 102500N 14650E	.1	2.27	79	84	.1	1	.21	.1	17	69	27	2.95	1	.05	26	1.02	552	13	.01	47	600	1	8	2	18	1	.06	1	56.3	2	79
L 102500N 14700E	.2	2.13	1	78	.1	1	.12	.1	11	68	17	4.02	1	.06	16	.66	243	15	.01	29	680	1	10	2	10	1	.14	1	99.9	3	51
L 102500N 14750E	.2	.91	1	46	.1	5	.10	.1	5	39	6	1.40	1	.04	6	.32	123	6	.01	14	200	6	4	1	10	1	.10	1	61.2	2	19
L 102500N 14800E	.1	1.03	18	100	.1	1	.11	.1	5	71	7	1.45	1	.06	17	.45	130	8	.01	14	300	5	2	1	14	1	.05	1	34.3	4	32
L 102500N 14850E	.1	2.81	82	78	.1	1	.08	.1	10	57	20	2.70	1	.05	24	.71	216	12	.01	31	340	1	15	1	12	1	.08	1	54.2	3	51
L 102500N 14900E	.1	4.36	107	59	.1	1	.06	.1	9	108	21	3.61	1	.04	18	.73	254	17	.01	28	520	10	29	2	15	1	.10	1	82.2	5	44
L 102500N 14950E	.1	2.92	5	77	.1	1	.08	.1	12	59	15	4.42	1	.08	18	.51	158	16	.01	28	310	3	18	2	8	1	.16	1	106.5	3	44
L 102500N 15000E	.1	1.65	30	151	.1	1	.22	.1	12	73	16	3.31	1	.22	18	.99	348	11	.01	43	940	1	2	2	22	1	.10	1	65.8	2	87
L 102500N 15050E	.1	.97	11	52	.1	1	.08	.1	3	10	3	.94	1	.03	5	.20	65	4	.01	6	210	5	5	1	10	1	.02	1	18.2	1	14
L 102500N 15100E	.1	.84	21	78	.1	1	.08	.1	7	23	9	1.60	1	.10	5	.49	186	6	.01	17	260	1	1	1	11	1	.06	1	35.1	1	32
L 102500N 15150E	.1	.98	13	62	.1	1	.09	.1	6	31	4	1.67	1	.04	9	.45	235	5	.01	15	340	1	2	1	9	1	.03	1	34.8	1	36
L 102500N 15200E	.1	1.37	39	79	.1	1	.10	.1	7	32	9	1.70	1	.04	15	.57	150	7	.01	26	380	1	4	1	12	1	.03	1	28.0	1	31
L 102500N 15250E	.1	1.17	44	59	.1	1	.17	.1	9	42	21	1.64	1	.04	16	.77	196	7	.02	41	360	1	1	1	11	1	.03	1	29.8	2	35
L 102500N 15300E	.1	1.12	80	46	.1	1	.35	.1	15	33	22	2.16	1	.06	7	1.48	446	9	.01	65	470	1	1	1	20	1	.03	1	27.0	1	43
L 102500N 15350E	.1	1.57	34	163	.1	1	.63	.1	19	61	97	2.77	1	.10	21	.92	682	11	.01	121	560	1	2	2	36	1	.03	1	44.4	2	118
L 102500N 15400E	.1	1.14	4	101	.1	1	.18	.1	11	40	57	2.26	1	.09	11	.60	409	9	.01	51	320	1	2	1	18	1	.03	1	41.4	1	94
L 102500N 15450E	.1	2.10	82	188	.1	1	.38	.1	22	72	172	3.46	1	.07	33	1.18	1009	14	.01	87	270	1	4	2	33	1	.05	1	60.3	2	126
L 102500N 15500E	.1	.83	1	125	.1	1	.09	.1	8	14	24	2.42	1	.04	4	.36	380	8	.01	16	280	1	2	1	9	1	.04	1	102.7	2	74
L 102500N 15550E	.1	.70	1	76	.1	1	.07	.1	3	4	19	1.48	1	.04	2	.14	125	5	.01	8	230	19	3	1	11	1	.01	1	28.6	1	34
L 102500N 15600E	.1	1.69	1	129	.1	1	.19	.1	12	31	23	5.05	1	.11	12	.71	441	17	.01	28	470	1	5	2	12	1	.06	1	87.8	1	110
L 102500N 15650E	.1	.40	1	98	.1	1	.06	.1	4	8	20	1.31	1	.04	1	.10	74	6	.01	10	420	12	1	1	14	1	.02	1	23.0	1	42
L 102500N 15700E	.1	.90	7	59	.1	1	.14	.1	7	7	7	1.70	1	.10	3	.51	225	6	.01	10	170	1	2	1	20	1	.05	1	27.0	1	53
L 102500N 15800E	.1	1.14	15	38	.1	1	.09	.1	8	10	11	1.82	1	.09	5	.58	277	6	.01	12	330	1	2	1	13	1	.05	1	28.0	1	50
L 102500N 15850E	.1	1.41	26	46	.1	1	.13	.1	9	10	11	2.22	1	.10	11	.70	294	8	.01	14	180	1	4	1	18	1	.06	1	27.3	1	51
L 102500N 15900E	.1	.81	1	36	.1	1	.10	.1	7	11	8	2.24	1	.06	4	.43	180	7	.01	12	350	6	1	1	12	1	.07	1	41.2	1	47
L 102500N 16050E	.1	.93	1	81	.1	1	.11	.1	7	10	24	2.19	1	.06	7	.36	333	7	.01	13	350	1	3	1	12	1	.05	1	39.7	1	67
L 102500N 16150E	.1	.70	1	43	.1	1	.06	.1	6	7	13	1.57	1	.06	3	.27	214	5	.01	9	200	51	1	1	8	1	.05	1	24.7	1	91

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0125-SJ7
DATE: 96/09/16
* • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 102700N 15250E	.1	1.47	20	86	.1	1	.20	.1	8	45	11	2.09	1	.04	19	.72	208	8	.01	32	460	1	4	1	16	1	.03	1	38.8	2	40
L 102700N 15300E	.1	1.52	47	109	.1	1	.20	.1	9	42	18	2.07	1	.06	16	.85	272	8	.01	34	390	1	3	1	19	1	.04	1	38.9	1	52
L 102700N 15350E	.7	1.36	101	132	.1	1	1.53	.1	26	99	88	1.79	1	.05	11	1.20	369	8	.02	925	590	1	3	1	80	1	.03	1	22.6	3	44
L 102700N 15400E	.2	.62	34	84	.1	1	1.16	.1	15	118	51	1.19	1	.02	1	.53	284	4	.02	308	360	1	2	1	58	1	.02	1	10.8	6	18
L 102700N 15450E	.1	2.06	1	443	.1	1	.47	.1	16	62	100	6.67	1	.36	22	.97	270	33	.02	67	900	19	5	3	98	1	.04	1	175.6	2	305
L 102700N 15500E	.1	2.35	139	107	.1	1	.06	.1	16	236	33	3.97	1	.14	17	2.06	434	15	.01	153	250	1	1	2	13	1	.08	1	82.6	8	93
L 102700N 15600E	.1	1.45	1	75	.1	1	.07	.1	8	17	13	3.56	1	.05	12	.38	244	10	.02	14	300	7	8	2	7	1	.01	1	62.4	1	48
L 102700N 15750E	2.8	1.19	48	119	1.0	1	3.35	.1	4	11	171	.94	1	.04	3	.23	263	6	.02	12	1380	35	7	1	171	3	.01	1	11.2	1	77
L 102700N 15800E	3.3	2.91	125	247	1.8	1	1.83	.1	14	32	217	2.82	1	.17	18	.85	1164	15	.02	32	1020	79	16	2	90	1	.03	1	43.5	1	86
L 102700N 15850E	.1	.46	1	52	.1	1	.11	.1	3	4	4	.70	1	.05	1	.11	81	3	.01	4	200	8	2	1	13	1	.05	1	25.2	1	19
L 102700N 15900E	.6	.62	1	83	.2	1	.90	.1	4	5	72	.74	1	.05	2	.13	324	4	.02	7	520	43	3	1	43	1	.02	1	11.8	1	47
L 102700N 15950E	.2	1.13	1	68	.1	1	.13	.1	9	14	11	2.31	1	.12	6	.62	251	9	.01	16	130	1	2	1	18	1	.10	1	44.2	1	61
L 102700N 16050E	.1	.73	1	52	.1	1	.13	.1	4	8	30	1.13	1	.06	4	.21	208	5	.01	8	550	15	3	1	14	1	.02	1	21.2	1	57
L 102700N 16100E	.1	.58	1	53	.1	1	.14	.1	4	6	14	.89	1	.05	1	.12	132	4	.01	5	280	34	3	1	15	1	.05	1	24.7	1	37
L 102700N 16150E	.7	1.44	7	100	.1	1	.75	.1	7	18	96	2.07	1	.10	10	.42	377	10	.01	17	880	29	8	1	42	1	.03	1	41.0	1	114
L 102700N 16200E	.1	1.27	1	61	.1	1	.10	.1	7	11	16	2.24	1	.05	6	.35	184	8	.01	13	620	10	6	1	14	1	.06	1	41.2	1	52

(152)

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0126-SJ1+2
DATE: 96/09/16
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 102800N 15250E	.1	1.23	32	95	.1	1	.14	.1	8	38	7	2.00	1	.05	16	.60	169	8	.01	24	230	1	3	1	16	1	.03	1	39.8	2	31
L 102800N 15300E	.1	1.34	44	77	.1	1	.21	.1	9	47	18	2.13	1	.04	24	.79	222	9	.01	39	680	1	2	1	16	1	.03	1	40.3	2	42
L 102800N 15350E	.1	1.41	79	109	.1	1	.24	.1	10	40	23	2.06	1	.07	17	1.05	308	8	.01	121	260	1	1	1	23	1	.04	1	36.2	1	61
L 102800N 15400E	.1	1.80	48	66	.1	1	.11	.1	13	39	13	3.27	1	.07	16	1.04	320	12	.01	32	310	1	2	2	15	1	.10	1	74.3	1	47
L 102800N 15450E	.1	1.76	1	44	.1	1	.08	.1	10	21	10	3.21	1	.05	13	.76	232	11	.01	21	210	1	4	2	11	1	.08	1	66.6	1	46
L 102800N 15500E	.1	1.92	24	85	.1	1	.10	.1	14	85	31	4.42	1	.12	30	.84	425	15	.01	77	460	1	4	2	10	1	.03	1	72.9	3	127
L 102800N 15550E	.7	2.80	104	314	.1	1	2.21	.1	19	17	126	4.21	1	.12	24	1.75	1481	16	.01	32	960	57	2	2	143	1	.06	1	80.5	1	113
L 102800N 15600E	.2	1.62	11	174	.1	1	.53	.1	10	24	90	2.83	1	.07	17	.61	487	11	.01	24	340	33	6	1	50	1	.03	1	38.3	1	117
L 102800N 15650E	.1	1.02	45	88	.1	1	.28	.1	7	14	13	1.89	1	.07	6	.61	230	8	.01	17	180	1	1	1	26	1	.04	1	38.3	1	48
L 102800N 15700E	.1	.58	1	70	.1	1	.08	.1	5	8	16	1.51	1	.06	2	.13	106	7	.01	9	330	11	3	1	13	1	.04	1	44.0	1	35
L 102800N 15750E	.4	.94	1	51	.1	1	.11	.1	10	12	11	2.38	1	.11	5	.45	252	9	.01	12	290	1	3	1	18	1	.13	1	55.7	1	51
L 102800N 15800E	.2	.76	1	43	.1	1	.09	.1	6	7	9	2.03	1	.07	4	.28	183	6	.01	11	370	3	3	1	14	1	.09	1	44.5	1	37
L 102800N 15850E	.1	.94	11	41	.1	1	.16	.1	6	9	8	1.77	1	.06	5	.34	182	8	.01	11	260	8	4	1	19	1	.07	1	42.5	1	36
L 102800N 15900E	.4	1.21	49	106	.1	1	.43	.1	12	15	29	2.21	1	.11	10	.79	735	13	.01	19	290	51	1	1	30	1	.06	1	39.5	1	127
L 102800N 16000E	1.4	2.54	72	188	.1	1	.50	.1	18	37	442	3.67	1	.16	28	1.05	676	15	.01	34	700	105	9	2	41	1	.05	1	56.2	1	259
L 102800N 16050E	.4	.80	29	43	.1	1	.17	.1	6	7	10	1.36	1	.08	5	.40	206	6	.01	10	200	13	2	1	17	1	.05	1	27.5	1	59
L 102800N 16100E	.1	.75	1	51	.1	1	.09	.1	6	13	13	2.14	1	.05	5	.28	288	7	.01	11	650	21	2	1	12	1	.06	1	49.1	1	100
L 102800N 16150E	.1	1.13	6	86	.1	1	.11	.1	8	19	26	2.30	1	.08	6	.47	351	11	.01	21	350	12	3	1	16	1	.05	1	46.0	1	81
L 102800N 16200E	.1	.83	1	59	.1	1	.07	.1	7	12	14	2.18	1	.05	3	.27	186	8	.01	15	500	13	2	1	11	1	.06	1	45.1	1	55
L 102900N 15250E	.1	1.16	46	76	.1	1	.14	.1	6	29	5	1.76	1	.04	14	.54	148	7	.01	19	250	1	3	1	16	1	.04	1	39.3	2	32
L 102900N 15300E	.2	1.43	86	95	.1	1	.33	.1	11	56	19	2.10	1	.10	20	1.09	304	9	.02	44	610	1	1	1	21	1	.05	1	43.0	2	51
L 102900N 15350E	.8	2.20	111	274	.1	1	1.14	.1	32	204	94	4.20	1	.22	24	1.62	819	15	.01	469	550	1	1	2	59	1	.09	1	80.9	8	75
L 102900N 15400E	.1	2.79	42	162	.1	1	.17	.1	27	77	60	5.67	1	.13	37	1.51	848	23	.01	95	440	1	5	3	19	1	.05	1	117.8	2	139
L 102900N 15450E	.9	2.47	59	255	.1	1	.17	.1	18	108	27	4.67	1	.11	19	1.38	340	20	.01	72	230	1	5	2	23	1	.21	1	125.0	4	95
L 102900N 15500E	.1	.92	1	42	.1	1	.05	.1	6	14	12	2.38	1	.05	4	.37	280	7	.02	16	340	1	1	1	6	1	.03	1	42.2	1	41
L 102900N 15600E	.1	1.31	1	144	.1	1	.33	.1	8	16	17	2.23	1	.19	15	.48	333	10	.02	16	160	2	4	1	26	1	.03	1	40.5	1	85
L 102900N 15650E	.1	.76	1	89	.1	1	.14	.1	5	10	12	1.71	1	.06	3	.26	161	7	.01	9	220	9	2	1	17	1	.06	1	45.2	1	48
L 102900N 15700E	.1	.34	1	71	.1	1	.05	.1	3	3	22	.81	1	.03	1	.02	22	7	.01	3	460	54	2	1	20	1	.01	1	16.1	1	29
L 102900N 15750E	.1	1.19	35	76	.1	1	.28	.1	8	12	13	1.69	1	.17	3	.67	302	7	.01	14	270	1	1	1	26	1	.05	1	26.0	1	70
L 102900N 15800E	.1	1.55	19	52	.1	1	.18	.1	10	13	10	2.54	1	.08	12	.80	368	9	.01	17	310	1	3	1	24	1	.05	1	33.6	1	55
L 102900N 15850E	.2	1.17	48	43	.1	1	.23	.1	8	13	10	1.55	1	.27	5	.74	303	7	.01	11	180	7	1	1	28	1	.06	1	23.3	1	55
L 102900N 15900E	.2	1.30	23	91	.1	1	.34	.1	10	18	34	2.21	1	.08	11	.80	585	11	.01	22	400	69	1	1	25	1	.04	1	37.1	1	141
L 102900N 15950E	.5	1.10	24	111	.1	1	.80	.1	8	12	80	1.64	1	.08	8	.58	380	9	.01	15	390	13	1	1	45	1	.03	1	25.5	1	93
L 102900N 16000E	.1	1.55	39	100	.1	1	.25	.1	11	17	32	2.25	1	.09	15	.89	441	9	.01	21	250	2	2	1	24	1	.03	1	28.0	1	134
L 102900N 16050E	.5	1.59	12	109	.1	1	.22	.1	11	15	71	2.60	1	.10	12	.76	498	10	.01	21	390	75	3	1	24	1	.05	1	39.9	1	121
L 102900N 16100E	.1	1.53	1	57	.1	1	.12	.1	11	16	13	4.58	1	.06	4	.54	304	12	.01	18	1040	1	4	2	13	1	.12	1	78.8	1	62
L 102900N 16150E	.1	1.02	4	53	.1	1	.10	.1	6	9	15	1.68	1	.06	4	.42	219	7	.01	11	230	5	3	1	14	1	.06	1	41.9	1	50
L 102900N 16200E	.2	1.04	30	81	.1	1	.13	.1	8	7	6	1.65	1	.21	2	.65	274	7	.01	10	260	1	1	1	16	1	.08	1	34.0	1	42
L 109200N 13100E	.1	1.69	1	117	.1	1	.09	.1	11	49	13	3.47	1	.07	25	.75	332	12	.01	33	780	1	4	2	13	1	.08	1	74.7	1	61
L 109200N 13150E	.1	1.88	31	106	.1	1	.08	.1	9	45	9	2.74	1	.06	21	.75	195	10	.01	29	420	1	6	1	12	1	.05	1	52.6	1	40
L 109200N 13200E	.1	2.15	75	145	.1	1	.30	.1	10	51	18	2.95	1	.15	22	1.00	232	14	.02	32	390	1	7	2	27	1	.09	1	84.1	1	65
L 109200N 13250E	.1	1.67	66	80	.1	1	.24	.1	11	59	16	2.35	1	.07	21	1.12	242	11	.02	47	100	1	1	1	15	1	.05	1	42.9	1	36
L 109200N 13350E	.1	1.52	57	81	.1	1	.31	.1	11	56	24	2.20	1	.13	18	1.02	253	10	.02	42	500	1	1	1	15	1	.04	1	40.0	1	38
L 109200N 13400E	.1	1.03	41	79	.1	1	.56	.1	3	15	21	.56	1	.04	4	.23	43	3	.02	13	800	1	6	1	26	1	.02	1	10.2	1	15
L 109200N 13500E	.1	1.62	21	104	.1	1	.11	.1	13	57	18	2.84	1	.09	20	.95	265	11	.01	35	350	1	1	1	13	1	.06	1	60.3	1	95
L 109200N 13550E	.1	1.10	10	81	.1	1	.06	.1	6	29	11	1.62	1	.07	7	.41	175	7	.01	15	210	7	3	1	9	1	.05	1	46.3	1	50
L 109200N 13600E	1.5	1.34	41	287	.5	1	3.65	.1	6	10	208	.67	1	.02	1	.13	582	6	.01	41	1910	10	8	1	88	1	.01	1	13.3	1	34
L 109200N 13700E	.4	1.60	90	113	.1	1	.31	.1	7	35	11	1.88	1	.12	14	1.40	265	10	.02	20	160	1	1	1	21	1	.08	1	49.2	1	129

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0126-SJ3+4
DATE: 96/09/16
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 109200N 13750E	.1	1.23	49	97	.1	1	.12	.1	7	37	10	1.50	1	.04	10	.71	177	8	.01	22	200	1	1	1	14	1	.06	1	44.1	2	51
L 109200N 13800E	.1	1.86	67	104	.1	1	.20	.1	13	58	18	2.48	1	.04	20	1.16	355	11	.02	41	170	1	1	1	23	1	.07	1	64.9	1	67
L 109200N 13850E	.1	1.12	24	93	.1	1	.13	.1	8	35	10	2.10	1	.04	8	.68	169	8	.01	24	220	1	1	1	17	1	.10	1	76.2	2	44
L 109200N 13900E	.1	1.55	19	63	.1	1	.09	.1	10	41	19	2.91	1	.03	14	.93	251	10	.01	31	340	1	1	1	11	1	.09	1	85.2	1	127
L 109200N 13950E	.1	3.15	78	87	.1	1	.23	.1	15	75	36	4.81	1	.05	23	1.73	651	26	.02	55	720	1	4	2	21	1	.14	1	253.6	3	189
L 109200N 14000E	.4	1.10	22	69	.1	1	.19	.1	10	43	10	2.09	1	.07	10	.69	239	7	.02	27	290	1	1	1	14	1	.14	1	79.1	2	49
L 109300N 13050E	2.6	2.07	113	186	.2	1	1.11	.1	11	29	95	2.24	1	.11	13	.47	287	13	.02	65	1030	8	10	1	45	1	.03	1	35.1	1	39
L 109300N 13100E	.1	1.71	12	85	.1	1	.09	.1	9	47	12	2.92	1	.06	21	.83	429	11	.01	32	590	1	2	1	9	1	.06	1	63.8	1	56
L 109300N 13150E	.1	1.42	1	94	.1	1	.06	.1	7	39	9	2.75	1	.05	16	.54	166	8	.01	23	470	1	3	1	9	1	.05	1	54.3	1	38
L 109300N 13200E	1.5	2.93	152	150	.1	1	2.14	.1	18	36	154	3.09	1	.14	18	.88	317	15	.02	89	1070	1	13	2	81	1	.05	1	47.3	1	68
L 109300N 13250E	.1	1.94	44	73	.1	1	.11	.1	12	48	19	2.89	1	.10	25	1.01	230	13	.01	39	110	1	3	1	13	1	.05	1	51.8	1	46
L 109300N 13300E	.1	1.85	56	124	.1	1	.20	.1	12	50	38	2.35	1	.07	17	.88	222	12	.02	51	290	1	4	1	19	1	.04	1	41.7	1	58
L 109300N 13350E	.2	1.98	45	218	.1	1	.16	.1	9	44	20	3.45	1	.29	12	1.08	173	18	.02	27	340	1	3	2	38	1	.13	1	112.3	1	44
L 109300N 13450E	.8	1.75	81	107	.1	1	.33	.1	13	73	49	2.44	1	.07	20	1.32	256	11	.02	52	400	1	1	1	18	1	.05	1	49.3	1	69
L 109300N 13500E	.1	2.46	84	139	.1	1	.44	.1	31	62	50	3.16	1	.10	31	1.18	1464	16	.02	49	540	1	6	2	30	1	.06	1	63.9	1	155
L 109300N 13550E	.1	2.49	84	176	.1	1	.25	.1	25	80	73	3.95	1	.22	37	1.44	499	22	.02	68	270	1	3	2	24	1	.11	1	115.6	1	175
L 109300N 13600E	.9	1.13	18	125	.1	1	1.35	.1	8	7	54	.78	1	.02	1	.11	413	6	.02	19	970	9	5	1	32	1	.02	1	15.6	1	25
L 109300N 13650E	1.2	6.03	233	352	.1	1	1.86	.1	26	100	86	5.08	1	.61	76	2.83	822	22	.07	70	1990	1	24	3	95	1	.23	1	83.3	1	181
L 109300N 13700E	.1	1.65	26	80	.1	1	.17	.1	11	62	13	2.99	1	.05	20	1.07	227	11	.01	38	260	1	1	1	13	1	.10	1	89.9	1	81
L 109300N 13750E	.1	1.79	61	93	.1	1	.23	.1	12	69	21	2.86	1	.05	25	1.33	270	12	.02	43	180	1	1	1	21	1	.09	1	82.2	1	73
L 109300N 13800E	.1	2.52	108	138	.1	1	.29	.1	16	82	30	3.19	1	.06	30	1.39	259	13	.02	53	520	1	3	2	25	1	.10	1	84.6	2	60
L 109300N 13850E	.1	1.29	17	96	.1	1	.11	.1	7	32	9	2.25	1	.04	7	.65	158	8	.01	21	270	1	2	1	13	1	.08	1	63.3	1	40
L 109300N 13900E	.5	4.70	125	155	.1	1	.66	.1	20	84	285	4.24	1	.07	27	1.24	689	17	.02	73	1350	12	22	2	45	1	.06	1	96.8	2	93
L 109300N 13950E	.6	1.08	78	96	.1	1	.26	.1	9	54	14	1.23	1	.08	6	.88	59	5	.02	29	130	1	1	1	22	1	.13	1	47.7	3	24
L 109300N 14000E	.8	1.39	28	153	.1	8	.16	.1	9	28	10	2.29	1	.11	10	.76	268	9	.02	16	190	5	3	1	19	1	.15	1	82.9	1	67
L 109400N 13050E	.6	1.16	44	143	.1	1	.20	.1	7	19	38	1.12	1	.03	8	.31	514	7	.02	20	440	3	6	1	20	1	.03	1	21.0	1	20
L 109400N 13100E	.1	1.36	17	97	.1	1	.10	.1	6	34	8	2.00	1	.05	12	.55	157	8	.01	21	330	1	5	1	11	1	.05	1	47.1	1	32
L 109400N 13150E	.1	1.79	2	83	.1	1	.10	.1	16	33	23	2.88	1	.09	23	.80	219	13	.01	46	200	1	5	1	14	1	.07	1	64.1	1	82
L 109400N 13200E	.2	1.62	34	95	.1	1	.15	.1	14	40	24	2.31	1	.11	23	.80	227	11	.02	36	270	1	4	1	21	1	.07	1	50.5	1	120
L 109400N 13300E	.4	1.83	77	87	.1	1	.26	.1	13	75	23	2.19	1	.07	26	1.18	235	10	.02	50	140	1	2	1	20	1	.07	1	51.2	2	49
L 109400N 13350E	.2	1.29	16	121	.1	1	.26	.1	9	39	29	2.34	1	.11	13	.66	141	13	.02	30	240	1	2	1	26	1	.05	1	44.1	1	38
L 109400N 13400E	.1	1.87	68	65	.1	1	.17	.1	12	62	23	2.61	1	.04	21	1.23	241	11	.02	43	160	1	1	1	16	1	.04	1	48.3	1	43
L 109400N 13450E	.1	.52	55	21	.1	1	.03	.1	9	142	9	.95	1	.01	2	.55	80	6	.01	85	250	1	1	1	8	1	.02	1	21.5	8	26
L 109400N 13500E	.5	2.22	33	209	.1	1	.36	.1	24	42	64	4.00	1	.26	38	1.03	304	21	.02	50	300	1	6	2	48	1	.10	1	79.8	1	255
L 109400N 13550E	.9	1.35	47	145	.2	3	1.94	.1	5	16	174	.97	1	.04	13	.32	202	5	.03	28	830	1	7	1	43	1	.02	1	21.8	1	30
L 109400N 13600E	1.0	2.41	136	352	.1	1	1.36	.1	20	142	19	3.29	1	.28	42	1.94	674	12	.03	43	3280	1	1	2	45	1	.19	1	122.5	4	98
L 109400N 13650E	.5	1.74	84	104	.1	1	.29	.1	10	50	14	1.99	1	.07	22	1.20	228	10	.02	32	260	1	1	1	23	1	.08	1	56.3	1	80
L 109400N 13700E	.1	1.34	40	87	.1	1	.29	.1	15	40	19	2.10	1	.04	15	.85	634	12	.03	28	330	1	1	1	25	1	.05	1	62.0	1	95
L 109400N 13750E	.2	1.53	45	112	.1	1	.17	.1	12	51	17	2.47	1	.04	22	.98	228	10	.02	29	270	1	1	1	18	1	.09	1	77.4	1	107
L 109400N 13800E	.2	1.58	15	84	.1	1	.19	.1	11	50	17	2.90	1	.05	15	.98	212	11	.02	31	210	1	2	2	18	1	.09	1	86.5	1	56
L 109400N 13850E	.4	2.02	91	93	.1	1	.22	.1	13	59	20	2.44	1	.04	25	1.35	360	11	.02	35	230	1	2	2	23	1	.10	1	81.7	1	71
L 109400N 13900E	.3	.78	25	32	.1	2	.27	.1	5	19	12	.77	1	.02	5	.28	269	3	.03	11	720	1	3	1	20	1	.04	1	20.7	1	14
L 109400N 13950E	.8	1.24	84	42	.1	6	.18	.1	10	62	15	1.27	1	.02	13	.99	45	7	.02	35	240	1	1	1	17	1	.11	1	46.0	2	21
L 109400N 14000E	1.4	1.68	102	48	.1	12	.11	.1	16	86	20	2.24	1	.05	13	1.51	97	9	.02	45	250	1	1	2	64	1	.27	1	115.7	3	38
L 109500N 13000E	.4	1.98	40	145	.1	1	.53	.1	15	52	41	3.01	1	.26	24	1.08	299	13	.03	49	670	1	3	2	28	1	.06	1	51.4	1	51
L 109500N 13050E	.1	1.54	32	96	.1	1	.15	.1	8	36	11	2.03	1	.08	19	.72	156	9	.01	26	310	1	5	1	15	1	.04	1	43.1	1	33
L 109500N 13100E	.4	2.13	14	116	.1	1	.16	.1	13	63	22	4.13	1	.21	26	1.04	232	19	.02	42	570	1	5	2	21	1	.12	1	103.2	1	58
L 109500N 13200E	.3	2.70	31	244	.1	1	.20	.1	14	63	43	4.76	1	.15	41	1.34	400	40	.02	43	420	1	6	2	31	1	.14	1	160.2	1	148

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0126-SJ5+6
DATE: 96/09/16
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 109500N 13250E	.2	2.13	49	140	.1	1	.14	.1	15	69	38	3.86	1	.09	42	1.12	257	19	.02	54	290	1	3	2	16	1	.12	1	107.0	2	128
L 109500N 13300E	.1	.55	12	84	.1	1	.63	.1	3	19	21	.94	1	.05	3	.25	59	4	.02	14	250	1	2	1	20	1	.02	1	16.6	1	25
L 109500N 13350E	.3	1.42	50	102	.1	1	.30	.1	13	52	60	2.01	1	.06	14	.81	205	9	.02	41	420	1	2	1	17	1	.04	1	38.9	1	41
L 109500N 13400E	.1	.80	1	38	.1	1	.04	.1	5	15	9	1.47	1	.04	4	.36	108	5	.01	16	210	1	2	1	12	1	.02	1	18.4	1	20
L 109500N 13450E	.1	1.35	1	95	.1	1	.23	.1	9	40	21	2.70	1	.09	13	.71	169	13	.02	29	220	1	1	1	15	1	.06	1	55.7	1	55
L 109500N 13500E	.4	2.86	85	403	.1	1	.59	.1	14	53	42	4.25	1	.28	46	1.87	413	19	.04	42	220	1	1	2	38	1	.15	1	161.8	1	93
L 109500N 13550E	.6	3.81	101	251	.1	1	.88	.1	18	40	51	4.49	1	.18	55	1.77	279	18	.03	47	840	1	9	3	42	1	.14	1	102.6	1	90
L 109500N 13600E	.2	2.72	91	312	.1	1	.43	.1	18	59	24	3.64	1	.14	39	1.47	576	15	.03	51	420	1	4	2	27	1	.12	1	108.7	1	95
L 109500N 13650E	.3	2.24	92	134	.1	1	.25	.1	16	72	31	3.35	1	.08	33	1.43	275	14	.02	60	300	1	2	2	35	1	.09	1	84.7	1	88
L 109500N 13700E	.4	1.93	79	103	.1	1	.34	.1	14	68	21	2.52	1	.05	31	1.30	408	10	.02	44	300	1	2	2	29	1	.09	1	68.7	1	83
L 109500N 13750E	.2	2.21	64	142	.1	1	.14	.1	14	76	28	3.82	1	.05	28	1.48	338	16	.02	43	300	1	1	2	20	1	.11	1	108.4	1	106
L 109500N 13800E	.6	2.77	146	55	.1	1	.56	.1	19	101	29	2.74	1	.05	37	1.65	211	12	.04	70	880	1	4	2	41	1	.12	1	68.2	2	51
L 109500N 13850E	.6	1.68	81	62	.1	1	.50	.1	12	61	46	1.79	1	.03	27	1.03	149	8	.03	42	320	1	1	1	31	1	.09	1	47.3	2	45
L 109500N 13900E	.6	1.27	40	61	.1	2	.26	.1	10	49	13	2.08	1	.04	13	.81	135	8	.02	30	180	1	1	1	21	1	.14	1	67.5	2	32
L 109500N 13950E	.1	2.76	69	103	.1	1	.11	.1	14	50	21	4.58	1	.06	21	1.83	492	18	.02	43	250	1	1	3	19	1	.11	1	114.2	1	111
L 109600N 12900E	.3	2.05	44	101	.1	1	.28	.1	19	44	59	3.61	1	.08	29	.96	285	19	.02	42	330	1	6	2	19	1	.07	1	65.1	1	63
L 109600N 12950E	.1	1.17	30	77	.1	1	.12	.1	6	29	19	1.61	1	.11	7	.52	121	9	.01	20	230	1	4	1	15	1	.04	1	41.9	1	25
L 109600N 13000E	2.6	2.52	137	205	.3	1	1.50	.1	18	41	199	2.96	1	.17	29	.78	423	15	.02	136	740	1	12	2	50	1	.03	1	38.1	1	100
L 109600N 13050E	.7	2.90	96	150	.1	1	.54	.1	35	64	96	3.94	1	.20	58	1.41	558	18	.03	100	470	1	8	2	36	1	.10	1	84.5	1	156
L 109600N 13100E	1.1	3.05	69	174	.1	1	.84	.1	26	55	107	4.58	1	.29	41	1.55	399	20	.02	119	370	1	7	2	34	1	.10	1	75.9	1	217
L 109600N 13150E	.7	3.01	43	259	.1	1	.17	.1	19	57	63	5.18	1	.57	48	1.65	326	26	.03	50	520	1	4	3	62	1	.15	1	111.1	1	250
L 109600N 13200E	1.4	1.77	96	79	.1	1	.84	.1	17	14	68	2.06	1	.04	32	1.26	208	10	.02	54	300	1	1	1	24	1	.10	1	47.5	1	40
L 109600N 13250E	.1	1.23	16	76	.1	1	.18	.1	12	31	21	1.74	1	.06	12	.52	144	8	.01	24	200	3	3	1	13	1	.05	1	40.1	1	47
L 109600N 13300E	.1	.55	6	51	.1	1	.09	.1	5	14	11	.82	1	.03	4	.24	61	4	.02	11	240	1	1	1	11	1	.02	1	13.5	1	20
L 109600N 13350E	.1	1.48	19	119	.1	1	.32	.1	11	37	21	2.27	1	.08	21	.74	287	10	.02	29	280	1	2	1	18	1	.05	1	56.8	1	104
L 109600N 13400E	2.0	1.74	70	358	.9	3	4.37	.1	14	28	734	1.29	1	.06	10	.46	747	8	.02	66	1710	3	9	1	84	1	.02	1	41.1	2	49
L 109600N 13450E	.1	2.00	1	275	.1	1	.49	.1	18	57	49	5.83	1	.26	31	1.21	857	20	.02	70	670	1	1	3	82	1	.17	1	126.4	1	79
L 109600N 13500E	1.0	4.09	175	237	.2	1	.88	.1	23	108	68	3.51	1	.15	32	1.96	409	16	.02	56	650	1	8	2	51	1	.17	1	42.4	1	87
L 109600N 13550E	.1	1.12	40	163	.1	1	.50	.1	6	32	14	1.48	1	.06	8	.66	158	7	.02	20	290	1	1	1	23	1	.06	1	44.4	1	51
L 109600N 13600E	.1	.95	34	104	.1	1	.20	.1	7	34	11	1.47	1	.08	6	.64	152	7	.02	21	340	1	1	1	19	1	.05	1	42.3	1	49
L 109600N 13650E	.1	1.98	66	133	.1	1	.20	.1	12	52	28	2.48	1	.07	18	1.21	311	11	.02	34	550	1	1	1	23	1	.06	1	61.0	1	75
L 109600N 13700E	.1	1.15	53	128	.1	1	.65	.1	12	47	24	1.57	1	.05	18	.78	473	7	.02	30	440	1	1	1	30	1	.06	1	41.8	2	94
L 109600N 13750E	.2	1.70	73	63	.1	1	.54	.1	11	59	32	1.42	1	.04	20	.77	225	7	.03	37	570	1	3	1	33	1	.07	1	39.3	2	28
L 109600N 13800E	1.0	3.37	208	76	.1	1	.55	.1	24	178	41	3.15	1	.04	60	2.49	173	14	.03	86	1220	1	1	2	57	1	.18	1	94.7	4	75
L 109600N 13850E	.2	2.23	88	234	.1	1	.17	.1	13	54	18	3.54	1	.08	23	1.44	337	15	.02	41	250	1	1	2	30	1	.13	1	116.0	1	75
L 109600N 13900E	.2	1.64	58	85	.1	1	.35	.1	11	47	17	2.19	1	.03	21	1.04	166	8	.02	33	1120	1	1	1	23	1	.08	1	49.0	1	49
L 109600N 13950E	.1	1.63	56	99	.1	1	.30	.1	12	50	25	2.41	1	.06	19	1.11	221	9	.02	38	730	1	1	1	22	1	.08	1	57.1	1	63
L 109600N 14000E	.1	.83	58	58	.1	1	.30	.1	7	29	17	.88	1	.02	6	.65	99	4	.02	24	490	1	1	1	14	1	.04	1	20.9	1	16
L 109700N 12900E	.1	1.71	34	90	.1	1	.19	.1	14	41	25	2.40	1	.10	23	.81	190	10	.02	33	290	1	2	1	17	1	.06	1	49.0	1	64
L 109700N 13000E	.1	.73	16	117	.1	1	.13	.1	5	22	16	1.09	1	.09	2	.32	207	6	.01	13	250	1	1	1	17	1	.03	1	25.1	1	33
L 109700N 13050E	.1	2.61	42	157	.1	1	.19	.1	28	53	55	3.96	1	.15	38	.97	818	18	.01	90	540	10	7	2	20	1	.05	1	61.4	1	114
L 109700N 13100E	.1	1.31	1	81	.1	1	.10	.1	9	37	17	2.82	1	.12	14	.64	208	14	.02	30	860	1	2	1	19	1	.09	1	81.1	2	63
L 109700N 13150E	4.7	1.74	140	201	.6	1	2.14	.1	14	26	320	1.79	1	.05	11	.37	446	11	.02	96	1310	14	10	1	71	1	.02	1	23.5	2	78
L 109700N 13200E	.1	1.31	28	75	.1	1	.43	.1	22	30	51	1.86	1	.04	15	.51	977	9	.02	49	270	1	4	1	23	1	.03	1	26.7	1	73
L 109700N 13350E	.1	.86	19	82	.1	1	.09	.1	9	23	28	1.37	1	.03	9	.36	215	6	.02	18	250	1	2	1	11	1	.04	1	27.0	1	50
L 109700N 13400E	2.1	2.22	55	280	.7	1	2.71	.1	16	36	407	1.85	1	.05	16	.31	371	9	.02	86	1190	34	14	1	61	1	.02	1	27.7	2	83
L 109700N 13450E	.9	6.24	221	315	.1	1	1.79	.1	32	272	47	5.87	1	.17	63	2.74	906	24	.03	74	4750	1	26	4	87	1	.25	1	231.7	11	114
L 109700N 13500E	.5	2.83	121	194	.1	1	.26	.1	18	47	27	3.42	1	.25	39	1.90	265	14	.03	41	210	1	1	2	21	1	.15	1	91.1	1	76

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0126-SJ7
DATE: 96/09/16
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 109700N 13600E	.2	2.24	132	196	.1	1	.78	.1	18	144	37	2.75	1	.07	25	1.64	670	12	.05	49	640	1	1	2	44	1	.09	1	98.2	5	81
L 109700N 13650E	.5	2.64	152	81	.1	1	.68	.1	20	100	83	2.64	1	.07	47	1.72	267	12	.03	68	1020	1	1	2	40	1	.13	1	75.3	2	57
L 109700N 13700E	.8	2.51	173	36	.1	1	.55	.1	20	119	27	2.38	1	.02	48	1.92	203	11	.04	70	510	1	1	2	31	1	.16	1	77.0	3	43
L 109700N 13750E	.1	1.56	63	97	.1	1	.14	.1	9	49	14	2.23	1	.05	12	1.17	241	10	.02	28	240	1	1	1	17	1	.08	1	71.5	1	79
L 109700N 13800E	.2	1.46	66	99	.1	1	.16	.1	8	44	11	1.95	1	.04	9	1.01	220	9	.02	26	200	1	1	1	20	1	.08	1	61.3	1	68
L 109700N 13850E	.1	2.04	39	115	.1	1	.18	.1	12	49	16	3.81	1	.05	13	1.13	319	13	.01	44	420	1	1	2	17	1	.04	1	67.7	1	70
L 109700N 13900E	.1	1.12	48	58	.1	1	.13	.1	6	26	11	1.15	1	.02	8	.63	119	5	.02	20	270	1	1	1	13	1	.06	1	34.6	1	31
L 109700N 13950E	.1	2.76	93	144	.1	1	.16	.1	13	53	17	3.75	1	.06	23	1.48	362	14	.02	34	450	1	3	2	23	1	.11	1	95.7	1	100

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Doug Blanchflower

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0108-SJ5+6
DATE: 96/09/09
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 112450N 15500E	.1	1.41	63	44	.1	1	.13	.1	10	137	44	2.08	1	.02	9	1.04	316	9	.01	45	320	1	1	1	14	1	.03	1	45.4	6	33
L 112450N 15550E	.1	1.52	82	26	.1	1	.09	.1	9	145	48	1.79	1	.01	11	1.18	205	8	.01	48	210	1	1	1	11	1	.02	1	41.3	6	34
L 112450N 15600E	.1	1.39	81	29	.1	1	.09	.1	9	131	47	1.62	1	.02	10	1.03	252	8	.01	42	380	1	1	1	12	1	.02	1	38.7	6	33
L 112450N 15650E	.1	1.26	36	38	.1	1	.12	.1	8	103	39	2.00	1	.02	6	.73	264	8	.01	32	800	1	1	1	11	1	.01	1	47.8	5	33
L 112450N 15700E	.1	2.00	91	45	.1	1	.16	.1	15	142	99	2.39	1	.02	12	1.40	330	11	.01	62	270	1	1	1	16	1	.03	1	44.3	5	50
L 112450N 15750E	.1	1.65	27	37	.1	1	.13	.1	10	75	60	2.43	1	.02	10	.82	272	10	.01	36	590	1	3	1	11	1	.02	1	47.9	3	41
L 112450N 15800E	.1	1.99	20	53	.1	1	.18	.1	12	74	82	2.86	1	.03	12	.88	402	11	.01	44	780	1	5	1	16	1	.02	1	45.3	3	55
L 112450N 15850E	.1	2.05	8	79	.1	1	.11	.1	15	93	43	3.97	1	.04	11	.83	535	13	.01	49	1170	1	4	2	14	1	.01	1	60.1	3	71
L 112450N 15950E	.1	1.73	1	237	.1	1	.12	.1	35	256	85	6.44	1	.05	16	1.53	1545	18	.01	160	380	1	1	3	22	1	.01	1	81.6	9	121
L 112450N 16000E	.1	1.62	1	127	.1	1	.15	.1	23	35	55	4.64	1	.04	14	.54	1534	17	.01	63	1060	8	5	2	17	1	.01	1	50.3	1	108
L 112500N 14700E	.1	1.98	86	52	.1	1	.07	.1	21	131	48	3.04	1	.02	20	1.32	269	12	.01	58	370	1	1	2	8	1	.03	1	51.8	5	51
L 112500N 14750E	.1	1.95	107	73	.1	1	.13	.1	33	171	180	2.99	1	.03	35	1.48	438	13	.01	97	280	1	1	2	11	1	.04	1	53.0	6	90
L 112500N 14800E	.1	1.88	76	58	.1	1	.06	.1	18	192	213	3.52	1	.03	25	1.64	227	12	.01	82	230	1	1	2	5	1	.04	1	64.3	6	71
L 112500N 14850E	.1	2.22	132	55	.1	1	.06	.1	18	212	187	3.18	1	.03	23	1.90	269	12	.01	84	220	1	1	2	9	1	.03	1	57.6	8	80
L 112500N 14950E	.1	1.53	106	36	.1	1	.06	.1	10	143	95	1.94	1	.02	16	1.56	181	9	.01	54	90	1	1	1	9	1	.03	1	46.0	5	47
L 112500N 15000E	.1	1.27	62	57	.1	1	.09	.1	11	137	140	2.31	1	.03	17	1.25	161	9	.01	49	100	1	1	1	7	1	.04	1	48.4	6	45
L 112500N 15050E	.1	1.26	92	46	.1	1	.08	.1	9	131	92	1.59	1	.02	13	1.22	147	7	.01	47	140	1	1	1	9	1	.03	1	40.8	6	35
L 112500N 15100E	.1	1.24	75	48	.1	1	.07	.1	8	126	81	1.65	1	.02	11	1.06	140	8	.01	43	270	1	1	1	9	1	.03	1	40.2	6	30
L 112500N 15150E	.1	1.69	64	51	.1	1	.11	.1	11	137	75	2.01	1	.02	12	1.02	221	8	.01	51	270	1	1	1	11	1	.03	1	44.2	6	38
L 112500N 15200E	.1	1.74	169	16	.1	1	.08	.1	16	282	112	2.14	1	.01	17	2.00	264	10	.01	87	200	1	1	1	9	1	.03	1	51.1	12	45
L 112500N 15250E	.1	1.59	72	35	.1	1	.09	.1	12	177	135	2.24	1	.02	12	1.24	476	10	.01	54	340	1	1	1	10	1	.03	1	48.8	7	44
L 112500N 15300E	.1	1.63	46	65	.1	1	.10	.1	14	172	87	2.86	1	.02	11	1.17	268	11	.01	57	360	1	1	2	12	1	.04	1	54.2	6	45
L 112500N 15350E	.1	1.81	104	27	.1	1	.09	.1	12	181	81	2.06	1	.02	13	1.39	242	10	.01	56	220	1	1	1	10	1	.04	1	46.3	7	39
L 112500N 15400E	.1	.87	49	25	.1	1	.09	.1	5	59	25	1.11	1	.02	3	.54	122	4	.02	19	300	1	1	1	9	1	.02	1	23.7	3	18
L 112500N 15450E	.1	1.45	83	40	.1	1	.10	.1	12	152	37	2.37	1	.02	7	1.29	343	9	.01	53	300	1	1	1	17	1	.03	1	53.2	6	30
L 112500N 15500E	.1	1.72	133	34	.1	1	.16	.1	14	208	90	2.31	1	.02	14	1.58	345	10	.01	63	280	1	1	1	21	1	.03	1	49.2	7	43
L 112500N 15550E	.1	1.39	98	26	.1	1	.10	.1	10	126	35	1.87	1	.02	11	1.06	205	7	.01	44	200	1	1	1	10	1	.03	1	41.5	5	33
L 112500N 15600E	.1	1.09	79	19	.1	1	.08	.1	7	116	27	1.43	1	.01	5	.78	144	6	.01	34	300	1	1	1	8	1	.02	1	38.3	6	23
L 112500N 15650E	.1	1.49	92	29	.1	1	.12	.1	10	117	71	1.65	1	.02	8	.94	231	7	.01	43	440	1	1	1	11	1	.02	1	36.1	5	31
L 112500N 15700E	.1	1.77	79	77	.1	1	.16	.1	13	121	42	2.91	1	.03	11	1.19	356	10	.01	53	500	1	1	1	17	1	.02	1	49.8	4	49
L 112500N 15750E	.1	2.17	38	59	.1	1	.09	.1	13	46	34	2.64	1	.03	12	.65	848	11	.01	34	990	1	9	1	15	1	.01	1	36.9	1	59
L 112500N 15800E	.1	1.66	1	91	.1	1	.13	.1	9	46	27	3.76	1	.03	9	.50	360	11	.01	36	1370	1	5	1	15	1	.01	1	40.8	1	63
L 112500N 15850E	.1	1.41	1	71	.1	1	.10	.1	11	74	37	3.50	1	.03	9	.72	386	11	.01	45	1100	1	1	1	13	1	.01	1	45.0	2	66
L 112500N 15900E	.1	1.10	1	163	.1	1	.10	.1	12	73	30	2.78	1	.04	5	.52	1223	9	.01	47	1140	1	1	1	18	1	.01	1	35.6	3	64
L 112500N 15950E	.1	1.19	1	55	.1	1	.17	.1	15	27	34	4.11	1	.04	8	.46	915	13	.01	43	1930	1	1	2	18	1	.01	1	32.4	1	95
L 112500N 16000E	.1	1.64	1	52	.1	1	.15	.1	20	26	42	3.74	1	.03	14	.67	1031	14	.01	49	990	1	4	2	15	1	.01	1	36.8	1	86
L 112550N 14700E	.1	2.27	142	91	.1	1	.14	.1	28	216	153	3.41	1	.04	34	1.92	268	12	.01	88	280	1	1	2	10	1	.03	1	62.7	8	67
L 112550N 14750E	.1	2.14	24	72	.1	1	.07	.1	25	255	139	5.41	1	.03	21	1.70	247	18	.01	70	360	1	1	3	4	1	.04	1	102.3	9	49
L 112550N 14800E	.1	1.96	156	40	.1	1	.05	.1	17	191	85	2.70	1	.02	17	1.91	173	11	.01	65	120	1	1	2	8	1	.03	1	52.6	5	59
L 112550N 14850E	.1	2.27	158	78	.1	1	.06	.1	18	227	191	3.45	1	.04	29	2.11	206	12	.01	81	100	1	1	2	7	1	.04	1	66.0	8	77
L 112550N 14900E	.1	.57	39	48	.1	1	.05	.1	3	39	54	.61	1	.01	2	.35	41	2	.02	15	200	1	1	1	7	1	.02	1	11.3	1	14
L 112550N 14950E	.1	2.01	160	75	.1	1	.05	.1	14	192	156	2.75	1	.03	23	1.87	203	11	.01	59	110	1	1	2	8	1	.04	1	55.6	5	55
L 112550N 15000E	.1	.98	82	31	.1	1	.06	.1	7	104	44	1.40	1	.02	9	1.00	133	6	.01	32	180	1	1	1	6	1	.02	1	41.9	5	31
L 112550N 15050E	.1	1.19	80	57	.1	1	.06	.1	7	104	198	1.30	1	.01	9	.86	119	6	.01	32	490	1	1	1	9	1	.01	1	28.0	4	30
L 112550N 15150E	.1	1.30	83	60	.1	1	.09	.1	11	146	126	1.89	1	.02	9	1.12	208	8	.01	49	180	1	1	1	10	1	.04	1	44.7	7	36
L 112550N 15200E	.1	1.34	89	47	.1	1	.11	.1	9	153	42	1.76	1	.02	10	1.10	172	7	.01	47	290	1	1	1	15	1	.02	1	43.7	7	29
L 112550N 15250E	.1	2.36	127	54	.1	1	.11	.1	14	192	88	2.86	1	.04	16	1.24	344	11	.01	59	500	1	5	1	15	1	.03	1	55.9	7	56

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Doug Blanchflower

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0108-SJ3+4
DATE: 96/09/09
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 112350N 15750E	.1	1.36	1	92	.1	1	.14	.1	19	62	51	4.67	1	.03	11	.72	846	16	.01	64	820	1	1	2	12	1	.01	1	51.6	1	110
L 112350N 15800E	.1	2.03	100	56	.1	1	.10	.1	14	143	57	2.96	1	.02	14	1.32	413	12	.01	65	670	1	1	2	12	1	.02	1	57.0	5	63
L 112350N 15850E	.1	2.75	234	46	.1	1	.06	.1	27	406	24	3.28	1	.01	20	3.16	1015	14	.01	142	90	1	1	2	11	1	.01	1	63.4	13	56
L 112350N 15900E	.1	2.16	122	62	.1	1	.11	.1	25	226	202	3.83	1	.02	16	2.00	980	15	.01	110	710	1	1	2	11	1	.02	1	69.6	8	83
L 112350N 15950E	.1	1.81	39	79	.1	1	.14	.1	18	83	56	3.61	1	.03	15	1.01	729	14	.01	64	830	1	2	2	15	1	.02	1	49.1	2	86
L 112350N 16000E	.1	2.58	100	437	.1	1	.20	.1	43	443	82	6.12	1	.06	26	2.60	2022	21	.01	180	520	1	1	4	20	1	.01	1	81.6	17	127
L 112400N 14700E	.1	2.16	109	85	.1	1	.11	.1	28	202	208	3.53	1	.03	33	1.88	326	16	.01	98	150	1	1	2	12	1	.04	1	62.0	7	98
L 112400N 14750E	.1	2.39	108	108	.1	1	.10	.1	27	203	278	3.86	1	.03	38	1.83	359	16	.01	94	180	1	1	2	15	1	.04	1	62.9	7	97
L 112400N 14800E	.1	1.56	71	120	.1	1	.08	.1	30	115	239	2.12	1	.02	15	1.08	513	10	.01	52	210	1	1	1	10	1	.04	1	47.9	5	57
L 112400N 14850E	.1	1.07	45	92	.1	1	.07	.1	10	84	114	1.59	1	.01	9	.81	128	7	.01	35	180	1	1	1	8	1	.02	1	39.5	4	30
L 112400N 14900E	.1	.74	38	47	.1	1	.04	.1	20	67	63	1.22	1	.02	8	.59	329	5	.01	30	210	1	1	1	5	1	.03	1	25.5	4	25
L 112400N 14950E	.1	1.31	68	89	.1	1	.09	.1	10	98	167	1.96	1	.01	10	1.09	134	8	.01	38	220	1	1	1	9	1	.02	1	48.8	4	37
L 112400N 15000E	.1	.56	27	58	.1	1	.08	.1	6	27	75	.75	1	.01	3	.28	54	3	.01	15	280	1	1	1	9	1	.02	1	14.5	1	16
L 112400N 15050E	.1	1.13	77	26	.1	1	.04	.1	8	116	98	1.52	1	.01	13	.98	116	7	.01	44	170	1	1	1	7	1	.03	1	38.0	5	32
L 112400N 15100E	.1	.90	35	39	.1	1	.06	.1	8	80	39	1.52	1	.01	4	.60	174	6	.01	27	270	1	1	1	10	1	.02	1	36.1	4	27
L 112400N 15150E	.1	1.56	82	35	.1	1	.05	.1	11	124	96	2.00	1	.01	11	1.01	176	8	.01	43	210	1	1	1	10	1	.03	1	47.3	6	38
L 112400N 15200E	.1	1.36	79	29	.1	1	.08	.1	12	134	155	2.07	1	.02	13	1.16	161	8	.01	59	170	1	1	1	10	1	.04	1	46.8	5	41
L 112400N 15250E	.1	1.22	70	25	.1	1	.05	.1	8	113	72	1.62	1	.01	7	.84	135	7	.01	38	300	1	1	1	8	1	.02	1	37.5	5	31
L 112400N 15300E	.1	1.47	59	43	.1	1	.06	.1	9	108	62	2.04	1	.02	9	.93	151	8	.01	43	250	1	1	1	11	1	.04	1	43.4	5	43
L 112400N 15350E	.1	1.12	59	27	.1	1	.05	.1	7	100	32	1.56	1	.01	6	.74	145	6	.01	31	270	1	1	1	7	1	.02	1	38.0	5	30
L 112400N 15400E	.1	1.25	43	26	.1	1	.07	.1	9	107	30	2.25	1	.02	7	.86	201	8	.01	38	330	1	1	1	9	1	.05	1	51.3	5	32
L 112400N 15450E	.1	1.28	77	28	.1	1	.10	.1	9	131	135	1.53	1	.01	7	1.00	156	7	.01	41	270	1	1	1	11	1	.02	1	35.4	6	26
L 112400N 15500E	.1	1.23	56	25	.1	1	.06	.1	7	110	23	1.66	1	.01	6	.78	130	7	.01	31	260	1	1	1	9	1	.03	1	36.8	5	28
L 112400N 15550E	.1	1.65	72	27	.1	1	.09	.1	8	107	78	1.87	1	.02	10	.92	151	8	.01	38	250	1	2	1	13	1	.03	1	37.0	5	37
L 112400N 15600E	.1	1.27	47	20	.1	1	.06	.1	8	102	43	1.77	1	.01	9	.79	136	7	.01	32	280	1	1	1	8	1	.03	1	40.4	5	30
L 112400N 15650E	.1	1.14	25	59	.1	1	.18	.1	11	82	77	1.91	1	.02	8	.69	741	7	.01	35	440	1	1	1	13	1	.02	1	42.9	4	43
L 112400N 15700E	.1	1.78	52	53	.1	1	.14	.1	8	98	126	1.82	1	.02	9	.74	272	8	.01	38	720	1	5	1	14	1	.01	1	37.2	4	34
L 112400N 15750E	.1	.79	1	28	.1	1	.06	.1	7	42	25	1.57	1	.02	5	.41	175	5	.01	22	300	1	1	1	6	1	.02	1	33.6	1	27
L 112400N 15800E	.1	1.31	1	26	.1	1	.06	.1	10	60	32	2.31	1	.02	5	.45	302	8	.01	28	710	1	4	1	6	1	.02	1	40.1	3	31
L 112400N 15850E	.1	1.69	76	54	.1	1	.11	.1	14	113	82	2.93	1	.02	11	1.27	457	10	.01	55	590	1	1	2	12	1	.01	1	49.1	3	54
L 112400N 15900E	.1	.48	1	37	.1	1	.10	.1	7	8	11	.94	1	.02	1	.12	432	4	.02	12	700	5	2	1	13	1	.01	1	12.8	1	25
L 112400N 15950E	.1	.86	1	60	.1	1	.11	.1	11	18	26	2.19	1	.03	5	.29	559	8	.01	28	1000	8	3	1	16	1	.01	1	22.9	1	58
L 112400N 16000E	.1	1.57	1	100	.1	1	.17	.1	30	37	75	5.97	1	.05	17	.80	1428	23	.01	83	900	12	2	3	11	1	.01	1	55.7	1	176
L 112450N 14700E	.1	1.74	79	48	.1	1	.04	.1	13	174	54	3.16	1	.03	20	1.26	173	12	.01	58	240	1	1	2	7	1	.04	1	72.0	6	57
L 112450N 14750E	.1	1.36	36	41	.1	1	.05	.1	9	108	34	2.25	1	.02	11	.85	145	9	.01	38	250	1	2	1	8	1	.03	1	56.6	5	37
L 112450N 14800E	.1	1.89	110	62	.1	1	.06	.1	19	167	280	2.68	1	.03	22	1.39	228	11	.01	76	220	1	1	2	9	1	.03	1	49.6	6	67
L 112450N 14900E	.1	1.01	77	67	.1	1	.06	.1	8	101	65	1.40	1	.02	12	1.01	117	7	.01	35	180	1	1	1	9	1	.02	1	31.8	4	33
L 112450N 14950E	.1	1.59	82	48	.1	1	.07	.1	11	137	173	2.13	1	.02	18	1.26	146	9	.01	58	200	1	1	1	9	1	.03	1	42.4	6	45
L 112450N 15000E	.1	1.42	83	83	.1	1	.09	.1	14	134	212	2.29	1	.03	23	1.40	165	9	.01	68	100	1	1	1	9	1	.04	1	48.8	5	53
L 112450N 15050E	.1	1.13	28	37	.1	1	.04	.1	8	104	55	2.10	1	.01	12	.82	112	7	.01	39	280	1	1	1	5	1	.03	1	50.4	5	32
L 112450N 15100E	.1	1.54	26	43	.1	1	.05	.1	10	104	66	2.62	1	.02	13	.82	168	9	.01	37	340	1	4	1	8	1	.05	1	58.2	5	38
L 112450N 15150E	.1	1.35	61	41	.1	1	.07	.1	9	118	70	1.81	1	.01	10	.80	163	7	.01	43	250	1	2	1	11	1	.03	1	41.9	6	31
L 112450N 15200E	.1	1.34	61	28	.1	1	.07	.1	9	122	89	1.97	1	.01	10	.97	141	8	.01	46	190	1	1	1	10	1	.03	1	44.2	6	34
L 112450N 15250E	.1	1.12	59	21	.1	1	.05	.1	7	101	38	1.43	1	.01	6	.69	118	6	.01	32	260	1	2	1	7	1	.02	1	35.5	6	25
L 112450N 15300E	.1	1.39	100	25	.1	1	.06	.1	11	190	60	1.94	1	.01	12	1.30	227	8	.01	58	190	1	1	1	9	1	.03	1	47.8	8	36
L 112450N 15350E	.1	1.62	80	23	.1	1	.06	.1	12	174	47	2.01	1	.01	11	1.10	339	9	.01	52	330	1	2	1	9	1	.03	1	44.4	7	36
L 112450N 15400E	.1	1.28	87	25	.1	1	.10	.1	10	126	58	1.76	1	.02	12	1.08	195	8	.01	48	200	1	1	1	10	1	.03	1	39.8	6	33
L 112450N 15450E	.1	1.80	102	36	.1	1	.21	.1	11	138	352	1.84	1	.02	12	1.18	163	9	.01	55	340	1	2	1	16	1	.02	1	38.5	6	33

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Doug Blanchflower

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
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FILE NO: 6S-0108-SJ1+2
DATE: 96/09/09
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 112300N 14700E	.1	2.06	98	99	.1	1	.06	.1	15	164	56	3.21	1	.04	21	1.72	318	12	.01	60	160	1	1	2	7	1	.05	1	79.0	5	64
L 112300N 14750E	.1	.95	40	78	.1	1	.06	.1	8	65	25	1.40	1	.02	8	.71	125	6	.01	27	130	1	1	1	9	1	.04	1	37.2	3	31
L 112300N 14800E	.1	2.18	112	162	.1	1	.17	.1	66	131	307	2.89	1	.02	18	1.33	836	14	.01	66	290	1	2	2	16	1	.04	1	54.3	4	85
L 112300N 14850E	.3	2.35	94	317	.1	1	.21	.1	101	173	504	3.20	1	.02	24	1.47	1143	16	.01	81	440	1	3	2	21	1	.03	1	60.8	6	80
L 112300N 14900E	.1	.41	6	42	.1	1	.04	.1	2	30	14	.44	1	.01	1	.23	35	2	.01	9	220	1	1	1	6	1	.01	1	9.7	1	12
L 112300N 14950E	.1	1.11	55	131	.1	1	.06	.1	10	113	136	1.46	1	.03	15	.79	109	7	.01	41	160	1	1	1	8	1	.03	1	27.8	6	28
L 112300N 15000E	.1	1.66	69	92	.1	1	.11	.1	17	145	200	2.64	1	.02	19	1.39	211	11	.01	64	190	1	1	1	12	1	.04	1	58.5	5	49
L 112300N 15050E	.1	1.84	32	22	.1	1	.06	.1	11	141	77	3.01	1	.02	11	.97	168	11	.01	47	320	1	3	2	7	1	.05	1	65.1	6	37
L 112300N 15100E	.1	1.69	112	88	.1	1	.23	.1	25	180	485	2.13	1	.02	20	1.63	346	9	.01	77	210	1	1	1	14	1	.03	1	49.4	6	51
L 112300N 15150E	.1	1.77	109	21	.1	1	.06	.1	12	180	98	2.22	1	.01	18	1.47	258	10	.01	59	260	1	1	1	10	1	.03	1	49.3	7	47
L 112300N 15200E	.1	1.48	75	24	.1	1	.06	.1	11	146	208	2.42	1	.01	15	1.24	174	10	.01	58	190	1	1	1	7	1	.04	1	61.4	6	44
L 112300N 15250E	.1	.81	35	44	.1	1	.07	.1	6	55	46	1.57	1	.01	5	.71	108	6	.01	24	120	1	1	1	7	1	.02	1	53.6	3	25
L 112300N 15300E	.1	1.81	76	29	.1	1	.09	.1	13	137	199	2.24	1	.02	12	1.23	219	10	.01	53	180	1	1	1	12	1	.04	1	53.6	6	46
L 112300N 15350E	.1	1.84	92	70	.1	1	.17	.1	37	158	868	2.57	1	.06	21	1.56	374	10	.01	116	150	1	1	2	12	1	.05	1	64.7	6	70
L 112300N 15400E	.1	.95	48	19	.1	1	.05	.1	6	82	55	1.15	1	.01	5	.67	104	5	.01	27	220	1	1	1	6	1	.02	1	27.2	4	25
L 112300N 15450E	.1	1.26	34	39	.1	1	.07	.1	10	126	44	2.48	1	.02	10	.99	191	9	.01	46	220	1	1	1	8	1	.05	1	57.8	6	38
L 112300N 15500E	.1	1.27	106	31	.1	1	.08	.1	11	184	77	1.70	1	.02	12	1.42	176	8	.01	55	130	1	1	1	8	1	.03	1	44.4	7	35
L 112300N 15550E	.1	1.03	79	13	.1	1	.05	.1	9	120	29	1.63	1	.01	6	1.05	149	8	.01	42	130	1	1	1	7	1	.04	1	46.2	5	31
L 112300N 15600E	.1	1.47	66	22	.1	1	.09	.1	12	135	78	2.24	1	.02	10	1.11	291	9	.01	49	340	1	1	1	11	1	.03	1	47.1	6	38
L 112300N 15650E	.1	1.67	12	41	.1	1	.04	.1	8	76	32	2.57	1	.02	7	.50	345	9	.01	30	720	1	8	1	10	1	.01	1	43.6	3	42
L 112300N 15700E	.1	1.41	23	29	.1	1	.08	.1	11	86	45	2.75	1	.02	8	.75	281	10	.01	40	570	1	3	1	12	1	.01	1	48.8	4	45
L 112300N 15750E	.1	1.37	1	38	.1	1	.04	.1	9	58	26	3.62	1	.03	8	.53	314	12	.01	30	900	1	5	2	9	1	.01	1	50.2	2	57
L 112300N 15800E	.1	1.25	8	42	.1	1	.05	.1	8	47	35	2.20	1	.02	7	.41	272	8	.01	26	790	1	6	1	8	1	.01	1	30.2	2	40
L 112300N 15850E	.1	1.34	1	57	.1	1	.11	.1	10	38	28	2.74	1	.03	9	.45	355	11	.01	32	850	1	6	1	14	1	.01	1	36.4	1	64
L 112300N 15900E	.1	1.01	1	100	.1	1	.10	.1	9	28	24	2.31	1	.02	4	.29	1127	8	.01	25	1280	10	1	1	13	1	.01	1	29.6	1	51
L 112300N 15950E	.1	1.58	1	106	.1	1	.16	.1	14	34	44	3.68	1	.04	11	.53	879	13	.01	45	1090	3	1	2	15	1	.01	1	44.5	1	100
L 112300N 16000E	.1	1.86	1	98	.1	1	.04	.1	12	29	36	4.24	1	.03	7	.45	1320	15	.01	38	1870	18	3	2	11	1	.01	1	50.9	1	75
L 112350N 14700E	.1	2.78	121	149	.1	1	.15	.1	35	226	288	4.03	1	.02	40	2.12	518	18	.01	102	130	1	1	2	16	1	.04	1	78.2	6	115
L 112350N 14750E	.1	2.06	100	92	.1	1	.05	.1	16	176	58	3.29	1	.03	22	1.68	250	14	.01	68	140	1	1	2	7	1	.05	1	73.0	6	62
L 112350N 14800E	.1	2.79	120	65	.1	1	.06	.1	18	232	132	3.71	1	.02	29	1.80	251	15	.01	72	430	1	1	2	10	1	.04	1	68.2	7	64
L 112350N 14850E	.1	1.86	26	52	.1	1	.05	.1	12	138	64	3.14	1	.01	13	1.25	200	13	.01	52	240	1	1	2	6	1	.04	1	96.9	5	49
L 112350N 14900E	.1	1.18	44	68	.1	1	.07	.1	8	100	32	1.77	1	.01	10	.95	132	7	.01	34	120	1	1	1	6	1	.03	1	47.4	4	33
L 112350N 14950E	.1	1.40	50	70	.1	1	.05	.1	14	122	138	2.06	1	.01	12	1.17	162	8	.01	45	200	1	1	1	6	1	.03	1	44.2	4	36
L 112350N 15000E	.1	1.89	22	39	.1	1	.06	.1	16	199	70	4.47	1	.02	14	1.45	281	13	.01	61	470	1	1	2	2	1	.06	1	138.2	6	52
L 112350N 15050E	.1	1.47	37	92	.1	1	.12	.1	14	111	120	2.30	1	.01	13	1.11	194	8	.01	46	170	1	1	1	9	1	.03	1	50.8	4	39
L 112350N 15100E	.1	2.47	167	61	.1	1	.12	.1	38	274	555	2.69	1	.02	40	2.35	458	12	.01	161	320	1	1	2	12	1	.03	1	56.7	10	79
L 112350N 15150E	.1	1.42	55	29	.1	1	.05	.1	8	105	50	1.73	1	.01	12	1.10	166	7	.01	38	210	1	1	1	8	1	.03	1	46.1	4	37
L 112350N 15200E	.1	2.16	110	30	.1	1	.05	.1	14	219	118	2.93	1	.01	19	1.57	219	11	.01	67	210	1	1	2	8	1	.05	1	65.7	8	51
L 112350N 15250E	.1	1.56	67	41	.1	1	.12	.1	16	141	196	2.16	1	.02	17	1.27	287	9	.01	68	160	1	1	1	12	1	.04	1	53.5	5	46
L 112350N 15300E	.1	1.60	54	28	.1	1	.07	.1	12	154	67	2.38	1	.02	11	1.28	202	9	.01	60	230	1	1	1	9	1	.04	1	56.4	6	46
L 112350N 15350E	.1	2.02	75	32	.1	1	.06	.1	11	150	99	2.29	1	.01	14	1.27	178	10	.01	54	200	1	1	1	9	1	.04	1	49.3	6	42
L 112350N 15400E	.1	1.21	35	27	.1	1	.06	.1	8	108	54	1.78	1	.01	6	.83	238	7	.01	36	310	1	1	1	10	1	.03	1	38.6	5	28
L 112350N 15450E	.1	1.31	72	30	.1	1	.12	.1	10	139	208	1.82	1	.02	10	1.19	182	8	.01	48	110	1	1	1	10	1	.03	1	41.2	5	34
L 112350N 15500E	.1	1.23	33	29	.1	1	.07	.1	6	89	37	1.53	1	.01	6	.69	120	6	.01	30	240	1	1	1	9	1	.03	1	32.6	4	25
L 112350N 15550E	.1	2.15	74	29	.1	1	.09	.1	13	150	89	2.50	1	.02	12	1.25	340	10	.01	54	320	1	2	1	13	1	.04	1	51.7	6	45
L 112350N 15600E	.1	1.89	97	28	.1	1	.10	.1	14	210	148	2.43	1	.01	16	1.72	226	9	.01	69	340	1	1	1	13	1	.03	1	57.7	7	45
L 112350N 15650E	.1	2.21	56	44	.1	1	.09	.1	12	118	88	2.73	1	.02	16	1.27	291	11	.01	55	380	1	1	1	11	1	.02	1	49.4	4	59
L 112350N 15700E	.1	.85	1	29	.1	1	.06	.1	4	43	14	1.49	1	.01	2	.33	127	5	.01	17	460	1	1	1	6	1	.01	1	32.1	1	21

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Doug Blanchflower

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0108-SJ7
DATE: 96/09/09
* • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 112550N 15300E	.1	1.60	88	25	.1	1	.10	.1	11	148	78	1.97	1	.02	11	1.15	194	9	.01	53	240	1	1	1	11	1	.03	1	48.2	7	32
L 112550N 15350E	.1	1.61	96	25	.1	1	.07	.1	13	236	30	2.44	1	.02	10	1.47	223	11	.01	66	240	1	1	1	9	1	.04	1	62.8	10	43
L 112550N 15450E	.1	1.71	103	39	.1	1	.24	.1	15	193	114	2.48	1	.02	12	1.59	362	10	.01	68	260	1	1	1	11	1	.03	1	61.4	7	38
L 112550N 15500E	.1	1.69	118	45	.1	1	.15	.1	13	228	80	2.08	1	.02	13	1.66	312	10	.01	69	250	1	1	1	12	1	.03	1	49.8	9	37
L 112550N 15550E	.1	1.48	88	27	.1	1	.10	.1	10	151	56	1.67	1	.02	11	1.18	191	8	.01	51	300	1	1	1	11	1	.02	1	39.9	7	30
L 112550N 15600E	.1	1.18	71	26	.1	1	.07	.1	7	112	33	1.38	1	.01	7	.84	154	6	.01	37	330	1	1	1	9	1	.01	1	30.2	6	26
L 112550N 15650E	.1	1.13	60	24	.1	1	.07	.1	8	106	31	1.60	1	.01	5	.82	143	7	.01	36	240	1	1	1	8	1	.02	1	34.1	5	27
L 112550N 15700E	.1	1.91	60	38	.1	1	.12	.1	9	116	44	2.02	1	.02	7	.87	257	9	.01	40	460	1	5	1	15	1	.02	1	41.0	5	32
L 112550N 15750E	.1	1.67	62	41	.1	1	.15	.1	8	60	70	1.74	1	.02	4	.72	374	8	.01	26	740	1	5	1	14	1	.01	1	41.4	3	29
L 112550N 15800E	.1	1.99	55	53	.1	1	.18	.1	14	90	98	2.77	1	.02	13	1.14	347	12	.01	53	580	1	3	2	15	1	.03	1	49.5	3	58
L 112550N 15850E	.1	1.64	1	87	.1	1	.21	.1	10	43	28	3.75	1	.03	10	.52	337	11	.01	32	1080	1	5	2	16	1	.01	1	43.0	1	56
L 112550N 15900E	.1	2.06	79	111	.1	1	.35	.1	14	117	68	3.37	1	.02	15	1.26	551	12	.01	60	890	1	2	2	20	1	.01	1	57.1	4	63
L 112550N 15950E	.1	2.15	1	128	.1	1	.12	.1	11	30	33	3.06	1	.03	8	.41	947	11	.01	33	1770	16	12	1	19	1	.01	1	29.5	1	59
L 112550N 16000E	.1	1.34	1	65	.1	1	.10	.1	18	26	41	4.52	1	.03	8	.39	935	14	.01	45	1260	4	5	2	16	1	.01	1	38.7	1	84

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COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0127-SJ1+2
DATE: 96/09/20
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 109800N 12700E	.1	1.50	1	105	.1	1	.29	.1	26	80	141	3.07	1	.09	17	1.03	505	12	.02	46	920	1	1	2	18	1	.04	1	50.3	2	103
L 109800N 12750E	.2	1.63	22	129	.1	1	.32	.1	31	72	260	2.81	1	.06	18	1.04	318	12	.02	51	720	1	1	2	21	1	.03	1	44.4	2	156
L 109800N 12800E	.2	1.82	52	143	.1	1	.49	.1	30	91	216	3.38	1	.09	23	1.35	346	14	.02	57	580	1	1	2	26	1	.05	1	55.4	2	147
L 109800N 12900E	.1	.97	1	72	.1	1	.06	.1	7	32	15	2.04	1	.06	6	.37	134	9	.01	19	240	1	3	1	11	1	.05	1	48.9	2	37
L 109800N 12950E	.2	1.30	1	90	.1	1	.09	.1	8	40	14	2.60	1	.11	9	.58	198	10	.01	23	640	1	4	1	17	1	.08	1	65.3	2	59
L 109800N 13000E	1.2	.76	17	55	.2	1	1.04	.1	4	8	59	.55	1	.03	2	.11	307	5	.03	33	650	3	5	1	34	1	.02	1	9.7	1	39
L 109800N 13050E	.2	1.96	45	124	.1	1	.21	.1	13	50	27	2.74	1	.12	23	1.09	243	13	.01	47	290	1	4	2	20	1	.05	1	46.9	1	49
L 109800N 13100E	2.2	1.15	19	73	.2	1	.75	.1	12	10	85	.92	1	.03	3	.15	480	6	.02	31	780	16	7	1	29	1	.02	1	14.4	1	16
L 109800N 13150E	.1	.38	1	42	.1	1	.05	.1	2	12	8	.60	1	.04	1	.15	40	3	.01	6	210	1	1	1	10	1	.01	1	11.5	1	10
L 109800N 13200E	.3	.86	7	83	.1	1	.71	.1	12	20	49	1.51	1	.07	11	.36	417	8	.02	27	380	7	3	1	21	1	.04	1	30.2	1	82
L 109800N 13300E	.8	2.25	96	129	.1	1	1.24	.1	24	51	90	2.76	1	.12	48	1.33	376	16	.04	85	510	1	2	2	43	1	.06	1	103.0	1	241
L 109800N 13350E	.6	.41	1	123	.2	1	2.57	.1	2	6	154	.29	1	.02	1	.08	123	2	.02	17	480	4	2	1	51	1	.01	1	6.8	1	15
L 109800N 13400E	.4	.47	1	177	.2	1	3.11	.1	1	3	32	.19	1	.02	1	.07	122	2	.02	7	510	5	3	1	64	1	.01	1	5.3	1	5
L 109800N 13550E	.6	1.38	92	75	.1	1	1.25	.1	11	56	50	1.40	1	.03	23	.98	212	7	.03	38	600	1	1	1	51	1	.06	1	40.4	2	28
L 109800N 13600E	.3	.66	27	55	.1	1	.24	.1	5	27	15	1.03	1	.04	4	.39	73	5	.02	14	240	1	1	1	22	1	.06	1	32.4	1	22
L 109800N 13650E	.7	1.38	75	40	.1	3	.61	.1	13	75	21	1.53	1	.05	29	.93	130	7	.05	45	320	1	1	1	35	1	.13	1	43.9	4	36
L 109800N 13700E	.5	2.20	111	83	.1	1	.27	.1	15	75	21	2.58	1	.04	31	1.38	175	11	.02	50	690	1	2	2	29	1	.12	1	66.5	2	59
L 109800N 13750E	.3	.66	17	63	.1	1	.13	.1	5	25	9	1.16	1	.02	4	.39	90	5	.02	14	260	1	1	1	12	1	.06	1	35.0	1	25
L 109800N 13800E	.6	1.90	30	216	.1	1	.17	.1	10	40	20	2.70	1	.07	16	1.03	281	13	.02	30	450	1	4	2	30	1	.08	1	78.2	1	69
L 109800N 13850E	.3	1.20	21	212	.1	1	.16	.1	9	30	13	2.24	1	.06	8	.77	403	10	.01	28	290	1	2	1	25	1	.07	1	62.1	1	60
L 109800N 13900E	.5	2.18	23	148	.1	1	.17	.1	14	51	19	4.06	1	.07	19	1.22	387	17	.01	37	440	1	4	2	25	1	.11	1	106.8	1	107
L 109800N 13950E	.3	1.69	21	67	.1	1	.09	.1	9	37	16	2.75	1	.04	11	.99	223	12	.01	28	470	1	3	2	18	1	.08	1	76.5	1	58
L 109800N 14000E	.5	2.51	92	231	.1	1	.17	.1	13	66	25	3.50	1	.09	22	1.63	392	16	.02	46	380	1	2	2	31	1	.09	1	101.7	1	97
L 109900N 12700E	.2	2.07	44	84	.1	1	.16	.1	41	88	710	3.71	1	.07	18	1.29	275	15	.01	56	790	1	2	2	16	1	.06	1	56.5	2	222
L 109900N 12750E	.1	2.01	81	141	.1	1	.21	.1	23	94	104	3.08	1	.13	18	1.47	453	15	.02	48	360	1	1	2	23	1	.07	1	68.7	1	112
L 109900N 12800E	.1	1.66	33	82	.1	1	.19	.1	20	78	139	2.76	1	.08	15	1.14	332	12	.02	44	500	1	1	2	19	1	.04	1	49.4	1	110
L 109900N 12850E	.1	1.69	31	102	.1	1	.22	.1	23	109	155	3.59	1	.08	15	1.12	362	13	.01	50	720	1	1	2	17	1	.04	1	56.9	3	110
L 109900N 12900E	.1	1.67	1	118	.1	1	.23	.1	12	49	36	3.56	1	.09	25	.79	231	14	.01	40	500	1	3	2	21	1	.08	1	65.0	1	71
L 109900N 13000E	.4	2.06	62	144	.1	1	1.02	.1	12	54	49	2.48	1	.14	30	1.00	225	11	.02	64	550	1	4	2	43	1	.05	1	43.4	1	67
L 109900N 13050E	.8	2.16	91	173	.1	1	1.40	.1	14	59	69	2.68	1	.23	32	1.10	259	13	.03	86	760	1	4	2	47	1	.06	1	45.3	1	85
L 109900N 13100E	.1	1.30	1	64	.1	1	.27	.1	9	20	17	3.19	1	.15	17	.54	142	12	.01	21	310	1	3	1	20	1	.04	1	36.6	1	41
L 109900N 13150E	.3	3.10	1	297	.1	1	.73	.1	18	49	63	7.24	1	.28	67	1.04	360	31	.02	65	780	1	9	4	52	1	.08	1	83.9	1	132
L 109900N 13200E	.1	1.23	5	78	.1	1	.13	.1	8	31	21	2.24	1	.07	10	.62	170	11	.01	24	230	1	2	1	16	1	.05	1	41.6	1	58
L 109900N 13250E	.3	1.56	47	142	.1	1	.68	.1	12	52	36	2.22	1	.05	15	.89	282	11	.01	35	510	1	2	1	29	1	.04	1	43.4	1	44
L 109900N 13300E	.1	.84	12	65	.1	1	.26	.1	6	22	10	1.52	1	.05	5	.38	136	8	.01	15	220	1	1	1	15	1	.05	1	38.0	1	44
L 109900N 13350E	.6	2.53	1	216	.1	1	.51	.1	9	56	57	5.59	1	.56	22	1.84	386	37	.05	26	500	1	1	3	94	1	.15	1	132.7	1	129
L 109900N 13400E	.4	1.82	62	163	.1	1	1.25	.1	12	30	41	1.91	1	.03	34	.97	300	9	.06	31	640	1	3	1	51	1	.09	1	52.2	1	52
L 109900N 13500E	.5	2.78	141	172	.1	1	.74	.1	19	78	60	3.41	1	.24	29	2.14	413	15	.02	50	410	1	1	2	48	1	.14	1	91.7	1	102
L 109900N 13550E	.7	2.24	134	36	.1	1	.56	.1	16	88	26	2.33	1	.04	29	1.39	185	10	.02	56	530	1	3	2	37	1	.13	1	62.2	2	45
L 109900N 13600E	.5	1.38	91	74	.1	1	.39	.1	11	65	21	1.61	1	.04	18	1.04	121	7	.02	40	360	1	1	1	33	1	.11	1	43.9	2	32
L 109900N 13650E	.3	1.79	49	132	.1	1	.16	.1	12	55	18	3.26	1	.07	13	1.20	272	13	.01	31	500	9	1	2	29	1	.12	1	88.7	1	91
L 109900N 13700E	.5	1.67	51	69	.1	1	.45	.1	14	52	28	2.53	1	.02	32	1.07	138	10	.02	43	1040	1	1	2	23	1	.12	1	66.5	1	50
L 109900N 13750E	.1	2.49	75	100	.1	1	.19	.1	13	66	21	3.48	1	.04	18	1.47	297	14	.01	39	490	1	2	2	24	1	.09	1	85.4	1	89
L 109900N 13800E	.1	1.84	61	82	.1	1	.25	.1	9	37	15	1.90	1	.03	16	.87	178	9	.01	25	490	1	4	1	22	1	.07	1	53.9	1	48
L 109900N 13850E	.3	2.38	73	248	.1	1	.32	.1	14	56	47	3.43	1	.10	26	1.41	379	16	.02	46	400	1	3	2	41	1	.11	1	97.1	1	89
L 109900N 13900E	.9	3.15	119	185	.1	1	.28	.1	15	59	41	3.50	1	.08	38	1.69	442	18	.02	42	380	1	6	2	37	1	.12	1	102.8	1	102
L 109900N 13950E	.4	2.96	86	224	.1	1	.19	.1	14	56	25	3.85	1	.12	28	1.68	449	18	.02	41	350	1	4	2	32	1	.12	1	109.5	1	103
L 109900N 14000E	.5	2.80	111	255	.1	1	.32	.1	15	57	47	3.41	1	.06	28	1.63	475	17	.02	55	300	1	3	2	34	1	.13	1	106.9	1	401

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0127-SJ3
DATE: 96/09/20
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 110000N 12750E	.1	2.27	59	122	.1	1	.16	.1	35	101	394	3.99	1	.05	23	1.65	400	16	.01	56	390	1	1	2	15	1	.06	1	70.5	1	154
L 110000N 12800E	.1	2.52	51	116	.1	1	.12	.1	11	46	21	3.09	1	.20	19	.93	190	12	.01	40	590	1	8	2	16	1	.06	1	43.9	1	26
L 110000N 12900E	.1	1.87	19	87	.1	1	.10	.1	9	40	11	2.44	1	.10	17	.70	148	9	.01	30	310	1	6	1	11	1	.04	1	36.4	1	22
L 110000N 12950E	.1	1.97	75	198	.1	1	.70	.1	30	103	227	3.34	1	.08	23	1.53	455	14	.02	65	770	1	1	2	35	1	.04	1	54.7	1	119
L 110000N 13000E	2.3	3.14	91	229	.1	1	1.16	.1	33	49	115	4.08	1	.26	37	1.16	658	21	.02	88	860	1	11	2	105	1	.06	1	66.2	1	79
L 110000N 13050E	.8	2.79	69	188	.1	1	.81	.1	21	58	64	3.65	1	.28	36	1.24	462	15	.02	72	600	1	8	2	34	1	.07	1	55.0	1	72
L 110000N 13100E	.2	1.53	26	83	.1	1	.15	.1	12	46	15	2.26	1	.08	18	.65	178	12	.01	29	230	3	5	1	16	1	.06	1	47.6	1	62
L 110000N 13150E	.1	2.04	1	80	.1	1	.09	.1	15	84	26	4.74	1	.08	26	1.09	258	17	.01	49	490	1	2	2	12	1	.10	1	93.9	1	67
L 110000N 13200E	.1	1.85	40	95	.1	1	.32	.1	16	79	20	3.42	1	.10	26	1.16	413	14	.01	48	370	1	1	2	19	1	.07	1	75.3	1	116
L 110000N 13250E	.6	2.10	73	90	.1	1	1.34	.1	20	56	78	2.81	1	.13	19	1.10	385	17	.02	68	700	1	4	2	51	1	.06	1	55.9	1	85
L 110000N 13350E	.5	6.36	138	520	.1	1	.98	.1	28	23	73	6.33	1	.31	73	3.38	658	28	.07	65	260	1	15	4	109	1	.20	1	208.1	1	353
L 110000N 13400E	.5	1.92	39	210	.1	1	.73	.1	30	63	49	2.60	1	.07	30	.99	1600	16	.02	51	500	1	3	2	44	1	.09	1	66.6	2	261
L 110000N 13450E	.2	3.87	98	239	.1	1	1.00	.1	22	86	62	4.63	1	.21	44	2.16	421	19	.01	76	370	1	5	3	70	1	.11	1	143.6	1	90
L 110000N 13600E	.4	2.14	116	90	.1	1	.25	.1	14	78	24	2.71	1	.06	27	1.59	247	12	.02	48	550	1	1	2	22	1	.12	1	76.6	1	70
L 110000N 13650E	.4	1.11	61	40	.1	1	.19	.1	10	42	12	1.93	1	.03	8	.96	151	8	.01	30	170	1	1	1	16	1	.12	1	63.6	1	32
L 110000N 13700E	.1	2.15	38	66	.1	1	.26	.1	11	52	17	2.77	1	.03	16	.94	224	11	.02	33	1340	1	6	2	23	1	.08	1	66.2	1	102
L 110000N 13750E	.1	1.77	66	49	.1	1	.24	.1	9	49	15	1.88	1	.02	14	.78	124	8	.01	31	700	1	5	1	16	1	.06	1	40.9	1	36
L 110000N 13800E	.1	2.16	62	73	.1	1	.25	.1	11	42	19	2.45	1	.04	19	1.00	203	11	.01	30	820	1	6	2	23	1	.08	1	66.5	1	59
L 110000N 13850E	.4	1.82	49	117	.1	1	.21	.1	13	41	20	2.66	1	.05	19	1.20	314	11	.02	39	480	1	1	2	21	1	.14	1	84.2	1	111
L 110000N 13900E	.2	3.43	109	223	.1	1	.23	.1	12	81	26	3.81	1	.12	27	1.94	546	21	.02	39	630	1	4	3	36	1	.13	1	147.5	1	160
L 110000N 13950E	.2	2.72	116	268	.1	1	.23	.1	14	69	30	3.42	1	.20	30	1.96	634	21	.03	42	500	1	1	2	43	1	.13	1	144.2	1	249
L 110000N 14000E	.5	2.20	126	228	.1	1	.10	.1	9	62	23	2.70	1	.15	15	1.64	440	18	.02	34	270	1	1	2	33	1	.13	1	139.0	1	102

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COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0154-SJ1+2
DATE: 96/09/23
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L17400N 14000E	.1	2.61	1	132	.1	1	.25	.1	19	84	30	4.39	1	.08	37	1.36	421	20	.02	57	660	1	4	3	32	1	.10	1	108.0	1	192
L17400N 14050E	.1	2.22	63	128	.1	1	.16	.1	15	89	24	3.31	1	.12	33	1.44	418	15	.02	49	360	1	1	3	22	1	.11	1	103.1	1	95
L17400N 14100E	.2	1.74	41	78	.1	1	.11	.1	14	70	21	3.44	1	.04	27	1.09	255	14	.01	46	440	1	2	3	16	1	.09	1	96.3	1	87
L17400N 14150E	.4	1.95	51	131	.1	1	.17	.1	16	59	28	2.56	1	.09	21	.95	451	12	.02	45	670	1	6	2	22	1	.05	1	53.9	1	72
L17400N 14200E	.1	2.07	76	124	.1	1	.25	.1	14	62	37	2.82	1	.09	19	1.39	369	12	.01	48	560	1	1	2	20	1	.06	1	55.6	1	62
L17400N 14250E	.3	2.02	87	114	.1	1	.20	.1	11	59	19	2.69	1	.10	21	1.18	277	12	.01	45	490	1	4	2	18	1	.05	1	49.3	1	64
L17400N 14300E	.7	2.02	119	155	.1	1	.63	.1	12	72	30	2.49	1	.08	23	1.24	300	11	.02	55	720	1	4	2	30	1	.06	1	53.9	1	56
L17400N 14350E	.7	1.69	57	129	.1	1	.41	.1	9	31	14	2.64	1	.07	15	1.13	281	12	.01	22	220	5	4	2	31	1	.10	1	83.1	1	63
L17400N 14400E	.6	2.33	139	144	.1	1	.38	.1	14	79	24	2.83	1	.06	27	1.60	285	13	.02	53	810	1	4	3	25	1	.08	1	77.0	1	66
L17400N 14450E	.7	3.08	93	124	.1	1	.60	.1	21	82	44	3.90	1	.08	48	1.78	370	16	.04	69	550	1	6	3	46	1	.10	1	89.8	1	86
L17400N 14500E	.8	1.55	107	62	.1	1	.35	.1	12	74	14	2.21	1	.05	19	1.16	134	10	.02	50	430	1	3	2	24	1	.08	1	76.8	2	38
L17400N 14550E	.7	2.14	151	83	.1	1	1.34	.1	19	84	46	2.67	1	.03	37	1.86	522	12	.02	61	330	1	1	3	76	1	.07	1	59.5	1	49
L17400N 14600E	.7	1.96	112	142	.1	1	.19	.1	12	64	16	2.78	1	.06	21	1.43	278	12	.02	40	380	1	3	2	29	1	.11	1	86.4	1	84
L17600N 13800E	.5	2.01	1	119	.1	1	.08	.1	22	69	28	4.90	1	.14	19	.78	633	18	.01	41	660	8	8	3	15	1	.15	1	111.0	2	198
L17600N 13850E	.9	2.06	50	153	.1	1	.91	.1	22	52	32	3.22	1	.12	24	.97	1337	13	.02	50	450	10	8	3	45	1	.14	1	83.0	2	322
L17600N 13900E	.6	2.44	41	191	.1	1	.13	.1	17	108	32	4.55	1	.17	34	1.51	611	21	.02	57	560	1	6	4	26	1	.15	1	136.4	3	160
L17600N 13950E	.6	2.13	1	121	.1	1	.19	.1	21	96	28	5.37	1	.09	46	1.11	436	19	.01	46	400	1	6	4	19	1	.18	1	148.1	4	165
L17600N 14000E	.9	1.85	112	189	.1	1	.92	.1	13	63	30	2.12	1	.14	31	1.15	599	11	.02	50	810	1	5	2	39	1	.06	1	45.1	1	63
L17600N 14050E	.7	2.05	136	116	.1	1	.37	.1	13	74	28	2.52	1	.08	25	1.34	265	12	.02	53	850	1	4	2	26	1	.07	1	57.3	1	55
L17600N 14100E	.5	2.34	94	207	.1	1	.24	.1	15	66	34	3.39	1	.08	24	1.49	328	14	.01	49	560	1	5	3	24	1	.06	1	64.8	1	89
L17600N 14150E	.3	5.32	97	175	.1	1	.43	.1	47	77	57	4.70	1	.06	35	1.27	579	32	.02	177	730	23	37	5	68	1	.07	1	135.9	3	502
L17600N 14200E	1.0	3.31	89	317	.1	1	1.68	.1	29	88	76	5.23	1	.46	62	2.27	1203	25	.05	78	1050	1	4	5	91	1	.11	1	126.9	1	427
L17600N 14250E	.6	1.96	95	151	.1	1	.20	.1	11	78	38	2.60	1	.11	20	1.00	231	13	.01	51	440	1	6	2	28	1	.06	1	63.5	2	60
L17600N 14300E	.8	1.74	120	76	.1	1	.39	.1	12	73	22	2.27	1	.05	24	1.26	220	11	.02	52	640	1	3	2	26	1	.07	1	53.9	1	50
L17600N 14350E	.1	1.09	4	61	.1	1	.18	.1	7	38	8	1.66	1	.03	9	.61	123	6	.01	21	120	1	1	1	12	1	.13	1	74.7	1	41
L17600N 14400E	.8	1.24	24	55	.1	12	.53	.1	14	76	17	2.08	1	.03	12	.96	163	8	.02	37	170	1	1	2	25	1	.27	1	101.3	3	31
L17600N 14450E	.1	2.18	72	128	.1	1	.62	.1	13	53	29	2.90	1	.07	24	1.40	283	11	.02	38	410	1	1	3	36	1	.08	1	74.4	1	76
L17600N 14500E	.1	1.40	30	147	.1	1	.36	.1	9	38	15	1.96	1	.05	12	.88	262	8	.02	23	460	1	1	2	36	1	.06	1	53.7	1	63
L17800N 13800E	.6	2.29	24	199	.1	1	1.12	.1	15	41	56	3.22	1	.22	39	1.06	275	14	.02	35	340	1	6	3	49	1	.15	1	78.4	1	72
L17800N 13850E	.1	7.01	124	188	.1	1	1.86	.1	114	370	211	6.44	1	.23	62	2.64	1908	38	.05	191	750	1	33	6	103	1	.12	1	116.7	12	150
L17800N 13900E	.5	3.73	75	222	.1	1	1.82	.1	27	145	121	4.15	1	.22	99	1.85	558	16	.06	86	470	1	9	4	89	1	.13	1	94.1	3	105
L17800N 13950E	.1	3.40	47	190	.1	1	1.04	.1	40	655	18	5.82	1	.63	58	2.08	687	17	.03	143	80	1	10	5	38	1	.16	1	68.4	27	127
L17800N 14000E	.4	2.80	1	232	.1	1	.41	.1	13	42	24	4.52	1	.43	22	1.57	210	19	.02	26	280	1	5	4	33	1	.16	1	59.0	1	57
L17800N 14050E	.2	2.18	94	129	.1	1	.93	.1	14	65	45	2.57	1	.10	24	1.30	280	12	.02	56	260	1	3	2	44	1	.07	1	58.4	1	79
L17800N 14100E	.1	2.54	69	179	.1	1	.27	.1	13	67	33	3.32	1	.11	22	1.63	348	14	.02	47	570	1	3	3	25	1	.08	1	74.1	1	92
L17800N 14150E	.1	1.98	66	97	.1	1	.14	.1	11	50	16	2.89	1	.08	14	1.27	287	13	.01	37	310	1	2	2	20	1	.08	1	73.8	1	70
L17800N 14200E	.1	1.54	1	172	.1	1	.28	.1	9	37	37	3.66	1	.19	13	1.06	336	24	.03	27	410	1	1	3	35	1	.09	1	131.4	1	154
L17800N 14250E	.6	1.76	75	53	.1	4	.46	.1	18	67	22	2.41	1	.04	38	1.10	241	10	.03	49	420	1	2	2	20	1	.18	1	70.7	2	46
L17800N 14300E	.2	2.06	96	70	.1	1	.30	.1	14	80	17	2.72	1	.03	31	1.54	232	12	.02	44	320	1	1	2	23	1	.14	1	85.0	1	52
L17800N 14350E	.6	1.69	146	35	.1	4	.31	.1	15	87	15	2.01	1	.03	14	1.52	152	9	.03	51	170	1	1	2	20	1	.16	1	72.5	2	49
L17800N 14400E	.5	2.59	171	94	.1	1	.26	.1	17	151	9	2.25	1	.02	23	1.96	90	11	.02	97	690	1	1	2	27	1	.12	1	60.5	4	63
L17800N 14450E	.1	.80	34	59	.1	1	.28	.1	8	26	11	1.24	1	.02	5	.46	234	5	.02	17	210	1	1	1	26	1	.05	1	33.6	1	38
L17800N 14500E	.3	1.51	89	128	.1	1	.92	.1	11	60	46	1.69	1	.03	15	1.13	516	9	.02	36	650	1	1	2	60	1	.06	1	45.6	1	43
L17900N 13700E	.2	2.46	40	166	.1	1	.77	.1	19	82	109	3.55	1	.10	54	1.40	761	15	.03	60	440	1	5	3	42	1	.10	1	85.1	2	211
L17900N 13750E	.2	.79	29	73	.1	1	.78	.1	6	23	45	.93	1	.04	5	.30	202	4	.03	20	310	1	2	1	37	1	.03	1	18.7	1	54
L17900N 13800E	.5	2.64	31	215	.1	1	1.84	.1	31	86	92	3.81	1	.08	35	1.45	556	17	.04	68	890	1	5	3	97	1	.08	1	82.7	1	155
L17900N 13850E	.7	4.72	179	149	.1	1	1.68	.1	21	309	10	3.54	1	.34	36	1.87	974	16	.01	53	340	1	26	3	39	1	.17	1	83.0	13	77
L17900N 13900E	.1	2.12	100	100	.1	1	.29	.1	17	73	36	2.59	1	.07	34	1.36	260	12	.02	52	300	1	2	2	27	1	.08	1	67.2	1	70

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0154-SJ3+4
DATE: 96/09/23
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L17900N 13950E	.2	2.13	34	107	.1	1	.71	.1	17	53	32	3.30	1	.10	47	1.18	356	15	.02	44	440	1	3	3	40	1	.10	1	79.8	1	209
L17900N 14000E	.1	1.53	32	102	.1	1	.65	.1	17	51	42	2.36	1	.08	22	.90	663	13	.03	45	400	1	2	2	40	1	.05	1	61.2	1	164
L17900N 14050E	.3	3.19	1	306	.1	1	.38	.1	21	48	35	6.09	1	.33	42	1.59	424	22	.02	43	380	1	6	5	72	1	.16	1	97.5	1	242
L17900N 14100E	.3	3.32	146	99	.1	1	.42	.1	21	77	38	3.42	1	.04	46	2.11	771	23	.02	50	310	1	5	3	32	1	.09	1	190.5	1	361
L17900N 14150E	.5	2.56	34	137	.1	1	.84	.1	21	72	42	3.89	1	.09	94	1.38	516	16	.03	57	410	1	6	3	48	1	.11	1	84.3	1	329
L17900N 14200E	.5	1.79	105	130	.1	1	.98	.1	12	73	27	2.35	1	.07	29	1.17	311	10	.02	52	450	1	2	2	44	1	.07	1	53.6	1	52
L17900N 14250E	.3	1.45	62	62	.1	2	.79	.1	12	61	20	1.96	1	.03	22	1.01	287	9	.03	35	290	1	1	2	37	1	.13	1	73.7	1	48
L17900N 14300E	.7	3.14	93	307	.1	1	1.55	.1	24	104	82	4.03	1	.42	58	2.13	604	16	.07	94	1200	1	2	4	92	1	.13	1	99.0	1	74
L17900N 14350E	1.0	1.66	131	47	.1	7	.40	.1	15	110	32	2.31	1	.02	11	1.46	133	11	.03	67	240	1	1	3	24	1	.20	1	81.7	3	33
L17900N 14400E	.4	2.23	79	116	.1	1	.35	.1	17	87	37	2.55	1	.05	22	.95	497	11	.03	44	560	9	8	2	37	1	.09	1	71.2	3	116
L17900N 14450E	.5	2.31	166	166	.1	1	.51	.1	16	102	27	2.68	1	.05	22	2.10	303	13	.02	58	350	1	1	3	46	1	.10	1	75.6	1	76
L17900N 14500E	.5	3.07	125	207	.1	1	.92	.1	20	82	33	3.59	1	.08	36	2.20	681	16	.04	54	600	1	1	3	67	1	.11	1	106.3	1	213
L18000N 13700E	.3	1.91	37	105	.1	1	.15	.1	15	88	18	3.44	1	.12	25	1.13	361	14	.02	43	510	1	3	3	21	1	.12	1	91.6	2	121
L18000N 13750E	.4	3.95	46	176	.1	1	.65	.1	31	40	59	4.99	1	.19	47	1.87	508	20	.09	52	260	1	13	5	71	1	.20	1	137.0	1	75
L18000N 13800E	.1	4.62	1	182	.1	1	.22	.1	30	221	36	6.97	1	.14	55	1.18	593	21	.01	62	520	7	29	6	20	1	.18	1	140.0	9	223
L18000N 13850E	.3	1.52	48	101	.1	1	.16	.1	10	60	10	2.05	1	.08	19	.84	214	9	.02	33	150	1	3	2	17	1	.08	1	53.0	1	39
L18000N 13900E	.3	2.70	1	132	.1	1	.14	.1	20	80	31	5.10	1	.12	40	1.44	395	22	.02	57	530	1	6	4	25	1	.13	1	126.7	1	177
L18000N 13950E	.7	2.58	1	170	.1	1	.09	.1	10	46	27	5.67	1	.16	24	1.10	326	48	.02	24	480	1	7	4	25	1	.14	1	137.1	1	150
L18000N 14000E	.5	2.41	107	114	.1	1	.58	.1	17	75	41	2.90	1	.06	31	1.43	348	14	.04	52	670	1	5	3	44	1	.08	1	87.1	1	103
L18000N 14150E	1.1	3.06	105	211	.1	4	1.36	.1	24	192	17	3.72	1	.49	44	1.72	999	15	.08	66	1650	1	8	4	84	1	.21	1	123.2	7	91
L18000N 14200E	1.0	3.64	118	221	.1	1	1.68	.1	30	132	81	3.73	1	.12	68	2.05	793	18	.05	94	900	1	8	4	108	1	.15	1	110.4	2	245
L18000N 14250E	.5	.86	59	63	.1	1	1.18	.1	6	27	45	1.02	1	.02	8	.43	112	6	.03	24	540	1	2	1	55	1	.03	1	24.1	1	16
L18000N 14300E	.7	1.16	103	76	.1	6	.19	.1	8	56	21	1.15	1	.03	8	.76	90	7	.02	27	190	1	3	1	17	1	.11	1	45.6	2	32
L18000N 14350E	.7	3.24	146	152	.1	1	.99	.1	21	93	48	3.02	1	.05	46	1.70	355	16	.03	67	860	1	9	3	80	1	.09	1	79.6	2	113
L18000N 14400E	.5	3.12	85	184	.1	1	1.61	.1	21	89	59	2.89	1	.06	89	1.78	567	13	.04	64	660	1	5	3	102	1	.11	1	72.5	1	143
L18000N 14450E	1.1	2.99	70	241	.1	1	1.85	.1	17	74	64	3.26	1	.18	55	2.00	429	14	.04	56	950	1	1	3	103	1	.09	1	74.6	1	158
L18000N 14500E	.3	1.83	33	158	.1	1	.83	.1	11	38	19	2.56	1	.07	16	1.11	229	12	.02	27	410	1	2	2	45	1	.09	1	70.5	1	73
L18100N 13700E	.4	1.98	57	165	.1	1	.83	.1	13	77	75	2.30	1	.09	27	1.17	312	11	.03	67	570	1	3	2	33	1	.06	1	45.0	1	59
L18100N 13750E	.5	1.11	1	119	.1	1	1.50	.1	7	17	59	.92	1	.04	6	.26	475	5	.03	24	470	5	6	1	44	1	.03	1	19.0	1	20
L18100N 13800E	.5	2.22	19	124	.1	1	.31	.1	16	71	23	3.32	1	.16	39	1.38	358	17	.02	37	110	1	4	3	27	1	.14	1	96.4	1	153
L18100N 13850E	.8	2.46	20	126	.1	1	1.88	.1	13	13	26	2.31	1	.20	21	.71	393	10	.07	24	430	1	12	2	69	1	.10	1	32.8	1	89
L18100N 13900E	1.3	4.17	17	346	.1	1	.47	.1	40	74	115	4.72	1	.12	41	1.59	673	29	.03	132	590	1	25	4	126	1	.09	1	126.3	1	492
L18100N 13950E	.4	2.81	1	230	.1	1	.28	.1	18	80	27	5.06	1	.19	40	1.53	346	21	.02	44	750	1	6	4	34	1	.15	1	117.8	1	154
L18100N 14000E	2.0	3.01	87	378	.1	1	3.18	.1	17	78	269	2.84	1	.36	32	1.56	758	14	.07	69	1090	1	9	3	121	1	.09	1	114.7	2	129
L18100N 14050E	.9	3.29	31	267	.1	1	1.48	.1	20	70	61	4.35	1	.12	50	1.76	851	18	.09	41	910	30	9	4	93	1	.18	1	128.5	1	195
L18100N 14150E	1.1	2.48	54	217	.1	1	1.75	.1	17	73	82	3.15	1	.13	32	1.51	433	13	.05	53	1100	1	5	3	92	1	.08	1	75.4	1	140
L18100N 14200E	.5	3.13	26	189	.1	1	1.32	.1	22	111	66	4.18	1	.07	46	1.91	385	16	.04	71	660	1	5	3	75	1	.09	1	99.6	1	149
L18100N 14250E	.9	2.50	47	288	.1	1	2.95	.1	16	68	48	2.97	1	.14	31	1.40	673	14	.04	47	1250	1	5	3	133	1	.06	1	72.0	1	107
L18100N 14300E	.1	.71	1	76	.1	1	.21	.1	14	52	27	4.50	1	.04	2	.08	180	16	.01	46	480	1	3	2	18	1	.02	1	113.0	1	62
L18100N 14350E	.5	2.82	91	139	.1	1	.49	.1	17	71	43	2.98	1	.06	31	1.86	374	15	.03	54	430	1	5	3	46	1	.08	1	77.0	1	90
L18100N 14400E	1.4	2.97	101	257	.1	1	1.46	.1	14	63	85	2.95	1	.15	72	1.90	440	15	.07	53	510	85	5	3	92	1	.10	1	92.7	1	178
L18100N 14450E	.8	3.51	103	269	.1	1	.97	.1	21	65	30	3.82	1	.14	40	2.19	845	18	.06	41	760	1	7	3	80	1	.12	1	107.5	1	291
L18100N 14500E	.5	1.64	1	209	.1	1	.19	.1	10	33	14	3.07	1	.10	12	.94	318	12	.02	21	530	18	4	2	32	1	.08	1	82.9	1	103

(215)

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0090-SJ1+2
DATE: 96/08/26
* soil * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 82+00N 37+00E	.9	2.49	133	187	.1	1	2.08	.1	18	59	227	3.03	1	.10	41	1.20	386	13	.02	88	810	1	8	2	71	1	.06	1	65.8	2	117
L 82+00N 37+50E	.7	3.40	161	266	.1	1	1.94	.1	26	37	183	3.96	1	.24	38	1.27	808	16	.04	100	720	1	26	2	72	1	.08	1	90.7	1	211
L 82+00N 38+00E	.3	1.83	100	91	.1	1	.39	.1	13	56	32	2.42	1	.06	23	1.13	271	12	.02	44	190	1	2	1	25	1	.07	1	61.7	1	75
L 82+00N 38+50E	.5	2.22	121	167	.1	1	1.37	.1	15	62	64	2.75	1	.09	27	1.31	379	12	.03	57	700	1	2	2	38	1	.06	1	61.2	2	95
L 82+00N 39+00E	.5	.41	14	82	.1	1	1.62	.1	1	3	34	.20	1	.01	1	.05	72	1	.02	5	430	2	1	1	33	1	.01	1	3.5	1	6
L 82+00N 40+00E	.6	3.43	174	273	.1	1	1.97	.1	27	86	232	3.69	1	.08	37	1.69	980	16	.04	62	850	1	18	2	73	1	.08	1	116.0	3	118
L 83+00N 37+00E	1.3	1.57	103	120	.2	1	2.10	.1	9	18	168	1.47	1	.07	9	.41	214	7	.02	43	910	1	7	1	49	1	.02	1	23.7	1	47
L 83+00N 38+00E	.1	3.32	79	120	.1	1	.11	.1	15	53	43	6.21	1	.05	30	1.31	327	46	.01	59	410	1	21	3	46	1	.08	1	163.4	1	232
L 83+00N 38+50E	.3	3.49	186	155	.1	1	.78	.1	25	85	88	4.14	1	.12	47	2.12	742	21	.05	79	410	1	14	2	40	1	.12	1	134.5	2	378
L 83+00N 39+00E	.1	2.51	105	132	.1	1	.32	.1	24	75	44	4.06	1	.09	45	1.48	493	15	.02	62	540	1	3	2	23	1	.09	1	94.8	2	250
L 83+00N 39+50E	1.4	2.69	132	240	.1	1	1.91	.1	23	55	206	3.79	1	.08	35	1.31	853	20	.03	98	1140	1	18	2	72	1	.06	1	87.4	2	458
L 83+00N 40+00E	.5	1.75	81	160	.1	1	.58	.1	17	72	22	2.94	1	.08	30	1.14	284	10	.02	40	390	1	1	2	25	1	.19	1	110.5	4	72
L 84+00N 36+50E	.6	3.45	203	224	.1	1	.95	.1	22	113	87	3.54	1	.16	35	2.10	612	18	.05	55	560	1	14	2	68	1	.13	1	124.7	3	221
L 84+00N 37+00E	.3	3.00	139	152	.1	1	.63	.1	22	40	52	4.25	1	.45	44	1.47	371	15	.03	55	230	1	19	2	27	1	.13	1	86.6	1	71
L 84+00N 37+50E	.4	4.05	141	132	.1	1	.45	.1	24	15	22	6.72	1	.12	37	1.90	385	29	.01	34	200	1	23	3	14	1	.21	1	188.2	1	64
L 84+00N 38+00E	.4	2.62	128	133	.1	1	1.21	.1	26	73	111	3.78	1	.08	41	1.44	593	16	.03	61	620	1	12	2	37	1	.10	1	88.4	2	104
L 84+00N 38+50E	.7	1.90	108	140	.1	1	.90	.1	11	52	42	2.34	1	.05	16	1.07	277	10	.02	43	540	1	5	1	40	1	.05	1	52.3	1	60
L 84+00N 39+00E	.8	4.03	210	306	.1	1	1.66	.1	37	152	75	5.39	1	.32	57	2.29	998	23	.05	82	1960	1	20	3	89	1	.16	1	125.1	4	249
L 84+00N 39+50E	2.0	4.03	199	330	.1	1	2.85	.1	30	34	653	3.92	1	.11	56	1.15	1651	18	.06	148	1150	9	36	2	104	1	.06	1	91.3	2	352
L 84+00N 40+00E	.1	2.20	119	125	.1	1	.29	.1	14	68	23	2.85	1	.07	32	1.50	354	11	.02	39	580	1	1	2	24	1	.13	1	95.9	2	98
L 85+00N 33+50E	.1	2.53	130	226	.1	1	.63	.1	17	57	34	3.23	1	.10	25	1.65	633	14	.03	50	1110	1	1	2	33	1	.08	1	73.5	1	121
L 85+00N 34+00E	.1	2.20	114	230	.1	1	.80	.1	18	69	40	3.52	1	.16	24	1.56	1049	14	.02	68	900	1	1	2	37	1	.05	1	67.4	1	176
L 85+00N 34+50E	.1	2.05	118	190	.1	1	.92	.1	14	55	29	2.90	1	.11	22	1.40	492	12	.03	49	1360	1	1	2	40	1	.05	1	60.0	1	121
L 85+00N 35+00E	.1	2.27	117	206	.1	1	.57	.1	19	56	34	2.97	1	.18	23	1.40	790	13	.04	48	1280	1	1	2	29	1	.07	1	65.0	1	137
L 85+00N 35+50E	.8	2.59	136	243	.1	1	.68	.1	20	68	42	3.44	1	.21	25	1.73	782	16	.04	67	1000	1	2	2	39	1	.08	1	73.6	1	146
L 85+00N 36+00E	.3	1.57	63	298	.1	1	2.16	.1	22	34	245	2.08	1	.10	17	.73	2799	14	.01	64	710	19	6	1	43	1	.04	1	45.2	2	92
L 85+00N 37+00E	.7	3.64	135	288	.1	1	.63	.1	24	29	114	5.27	1	.67	59	1.62	359	17	.03	48	250	1	21	3	27	1	.18	1	109.0	1	100
L 85+00N 37+50E	.3	3.96	119	199	.1	1	.49	.1	22	33	60	6.27	1	.28	52	1.47	255	22	.04	46	290	1	25	3	26	1	.20	1	145.4	1	102
L 85+00N 38+00E	1.0	4.24	213	283	.1	1	2.09	.1	27	19	358	5.61	1	.47	60	2.09	602	19	.05	81	510	1	21	3	71	1	.14	1	156.4	1	148
L 85+00N 38+50E	.1	3.78	177	82	.1	1	.85	.1	34	66	130	4.38	1	.04	60	1.89	633	22	.05	129	350	1	19	3	41	1	.12	1	200.5	4	650
L 85+00N 39+00E	.1	3.26	91	139	.1	1	1.28	.1	37	55	144	6.53	1	.04	60	1.84	1361	23	.03	96	660	1	14	3	39	1	.05	1	85.8	1	299
L 85+00N 39+50E	.9	3.77	169	549	.1	1	1.06	.1	26	25	22	5.32	1	.48	47	2.85	469	17	.04	31	440	1	6	3	29	1	.20	1	135.7	1	131
L 85+00N 40+00E	.5	.90	24	120	.1	1	.56	.1	6	22	33	1.13	1	.03	7	.36	120	5	.02	17	290	3	4	1	25	1	.05	1	32.6	2	20
L 111+000N 15+950E	.1	2.28	94	82	.1	1	.15	.1	28	50	59	4.47	1	.04	24	1.15	1264	21	.01	78	1210	1	6	2	20	1	.01	1	54.1	1	131
L 111+000N 16+000E	.1	2.44	85	94	.1	1	.26	.1	33	47	94	5.60	1	.06	28	1.38	1245	24	.01	100	870	1	16	3	20	1	.01	1	59.5	1	179
L 111+000N 16+050E	.2	2.66	158	340	.1	1	.53	.1	28	137	87	4.73	1	.20	28	2.11	1006	19	.02	136	1040	1	9	3	31	1	.06	1	94.0	2	149
L 111+000N 16+100E	.1	2.65	128	459	.1	1	.55	.1	26	88	72	5.07	1	.18	27	1.76	1319	19	.02	104	1190	1	12	3	28	1	.05	1	92.9	1	148
L 111+000N 16+150E	.1	2.78	125	354	.1	1	.37	.1	28	118	88	5.66	1	.17	30	1.87	1377	20	.01	123	940	1	13	3	21	1	.04	1	93.4	1	187
L 111+050N 15+950E	.1	2.32	62	79	.1	1	.26	.1	26	47	86	5.43	1	.05	27	1.40	892	24	.01	95	900	1	3	3	17	1	.01	1	61.0	1	172
L 111+050N 16+000E	.2	1.14	21	54	.1	1	.08	.1	7	22	20	1.65	1	.03	7	.37	284	7	.01	24	850	1	6	1	10	1	.02	1	28.2	2	37
L 111+050N 16+050E	.1	2.49	121	353	.1	1	.41	.1	25	115	67	5.05	1	.16	25	1.63	1061	18	.02	108	950	1	2	3	22	1	.04	1	84.9	2	155
L 111+050N 16+100E	.1	2.66	65	126	.1	1	.26	.1	33	44	72	5.24	1	.06	29	.99	988	23	.01	91	1850	1	22	2	51	1	.02	1	57.7	1	152
L 111+050N 16+150E	.1	2.83	134	506	.1	1	.43	.1	30	113	96	5.56	1	.26	29	1.95	1541	20	.02	119	1140	1	13	3	22	1	.06	1	107.5	1	168
L 111+050N 16+200E	.1	2.02	121	434	.1	1	.50	.1	27	143	65	5.27	1	.15	20	1.69	1554	17	.01	168	1120	1	1	3	17	1	.03	1	71.1	3	152
L 111+100N 15+850E	.1	2.19	81	121	.1	1	.32	.1	24	50	69	4.66	1	.08	27	1.45	779	21	.01	82	890	1	2	2	22	1	.02	1	65.0	1	178
L 111+100N 15+900E	.2	2.46	113	145	.1	1	.23	.1	26	60	90	4.88	1	.08	29	1.61	956	22	.01	91	850	1	3	2	19	1	.02	1	70.5	1	169
L 111+100N 15+950E	.1	2.55	125	294	.1	1	.33	.1	28	88	87	5.21	1	.16	28	1.71	1214	20	.01	114	1040	1	14	3	19	1	.04	1	86.3	1	163
L 111+100N 16+000E	.1	2.27	85	89	.1	1	.34	.1	13	37	42	3.43	1	.05	19	.83	546	16	.01	49	1200	2	10	2	26	1	.02	1	54.9	1	87

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COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0090-SJ3+4
DATE: 96/08/26
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 111+100N 16+050E	.1	2.36	104	289	.1	1	1.05	.1	22	59	63	4.22	1	.08	22	1.08	1535	20	.01	72	2280	2	7	2	55	1	.02	1	69.5	2	124
L 111+100N 16+100E	.3	3.77	171	332	.1	1	.60	.1	38	74	112	5.42	1	.28	29	1.99	1400	29	.03	131	1130	1	19	3	204	1	.05	1	94.1	1	204
L 111+100N 16+150E	.1	1.60	47	146	.1	1	.34	.1	17	37	34	3.17	1	.06	14	.69	858	13	.01	55	1100	5	6	2	17	1	.02	1	43.7	1	112
L 111+100N 16+200E	.1	1.97	70	173	.1	1	.17	.1	20	48	52	3.78	1	.05	23	.88	1336	21	.01	64	1820	6	7	2	14	1	.01	1	65.3	1	158
L 111+150N 15+850E	.1	2.85	136	213	.1	1	.26	.1	27	91	89	5.27	1	.11	30	1.86	1102	23	.01	111	900	1	13	3	20	1	.03	1	85.3	1	173
L 111+150N 15+900E	.6	2.19	108	230	.2	1	.66	.1	22	48	63	3.69	1	.04	19	1.01	966	20	.01	66	1610	1	7	2	41	1	.02	1	54.1	1	104
L 111+150N 16+000E	.6	2.91	134	239	.1	1	.35	.1	20	55	66	3.90	1	.17	24	1.58	743	17	.02	73	1030	1	6	2	30	1	.05	1	69.1	1	143
L 111+150N 16+050E	.1	2.49	96	133	.1	1	.14	.1	18	54	43	3.99	1	.08	25	1.03	798	16	.01	69	1380	1	9	2	18	1	.02	1	59.5	2	139
L 111+150N 16+100E	.1	1.90	59	114	.1	1	.16	.1	16	44	35	4.03	1	.05	18	.79	622	16	.01	55	1330	3	6	2	19	1	.01	1	57.6	1	112
L 111+150N 16+150E	.1	1.88	76	250	.1	1	.84	.1	16	47	39	2.99	1	.07	23	.76	1033	14	.01	52	1930	14	8	2	29	1	.02	1	62.5	2	168
L 111+150N 16+200E	.1	1.24	25	161	.1	1	.42	.1	6	21	15	1.50	1	.03	7	.32	253	7	.02	21	1290	2	6	1	19	1	.02	1	27.4	2	38
L 111+200N 15+850E	.1	2.32	118	238	.1	1	.52	.1	26	121	64	4.80	1	.09	23	1.69	1154	17	.02	126	890	1	1	2	27	1	.03	1	70.1	2	149
L 111+200N 15+900E	.9	3.71	209	87	.5	1	.35	.1	23	54	92	3.57	1	.10	25	2.11	899	18	.03	83	860	1	17	2	41	1	.07	1	71.5	1	187
L 111+200N 15+950E	.1	2.20	57	117	.1	1	.19	.1	26	40	34	4.27	1	.05	17	.73	1514	19	.01	47	1420	22	10	2	19	1	.02	1	56.0	1	89
L 111+200N 16+000E	.1	2.09	89	96	.1	1	.15	.1	13	39	39	3.34	1	.05	18	.94	660	14	.01	47	990	1	7	2	16	1	.02	1	55.1	1	106
L 111+200N 16+050E	.1	1.53	29	159	.1	1	.06	.1	13	54	34	4.01	1	.09	7	.61	1332	16	.01	50	1290	8	7	2	7	1	.01	1	82.5	2	91
L 111+200N 16+150E	.1	2.48	102	122	.1	1	.10	.1	11	41	22	2.96	1	.08	20	.64	358	11	.01	44	1080	14	13	2	13	1	.02	1	34.6	1	76
L 111+200N 16+200E	.1	1.95	77	255	.1	1	.27	.1	20	79	45	5.34	1	.09	15	.81	1277	16	.01	104	1370	14	9	2	10	1	.01	1	57.6	3	151
L 111+250N 15+800E	.1	2.00	97	232	.1	1	.51	.1	24	88	57	4.47	1	.10	22	1.46	1166	17	.02	116	960	1	1	2	26	1	.03	1	62.9	2	143
L 111+250N 15+900E	.1	1.98	83	155	.1	1	.35	.1	18	41	45	3.56	1	.05	22	.91	473	15	.01	66	900	1	7	2	27	1	.02	1	50.9	1	112
L 111+250N 15+950E	.2	1.47	66	134	.1	1	.30	.1	9	22	20	1.76	1	.03	11	.50	793	9	.02	26	1230	1	7	1	28	1	.02	1	34.5	1	45
L 111+250N 16+000E	.1	2.24	77	87	.1	1	.10	.1	12	41	29	3.36	1	.06	18	.73	478	13	.01	44	1140	10	10	2	14	1	.02	1	46.1	1	71
L 111+250N 16+050E	.1	1.61	18	83	.1	1	.13	.1	10	34	21	3.33	1	.05	10	.43	480	12	.01	33	1740	20	8	2	15	1	.01	1	52.1	1	66
L 111+250N 16+100E	.1	1.56	49	57	.1	1	.12	.1	9	18	23	1.70	1	.03	13	.32	287	8	.01	26	1120	4	10	1	23	1	.01	1	19.3	1	38
L 111+250N 16+150E	.1	1.15	16	80	.1	1	.28	.1	6	22	14	1.71	1	.04	9	.33	309	8	.01	22	1140	1	5	1	16	1	.01	1	28.7	1	38
L 111+250N 16+200E	.1	1.29	48	132	.1	1	.15	.1	7	34	18	2.23	1	.05	10	.52	391	8	.01	35	1000	1	5	1	12	1	.01	1	38.5	2	47
L 111+300N 15+550E	.3	2.78	103	119	.1	1	.39	.1	37	41	108	5.87	1	.17	27	1.29	984	31	.03	102	1220	1	19	3	53	1	.03	1	65.1	1	165
L 111+300N 15+600E	.2	2.86	96	92	.1	1	.27	.1	48	43	118	6.74	1	.09	31	1.45	1393	32	.02	117	1040	1	17	3	29	1	.01	1	63.0	1	187
L 111+300N 15+650E	.2	2.47	78	85	.1	1	.17	.1	27	38	95	5.31	1	.08	25	1.17	859	22	.02	81	1080	1	7	3	24	1	.03	1	58.9	1	141
L 111+300N 15+700E	.3	2.21	81	85	.1	1	.16	.1	33	32	86	4.48	1	.07	21	.96	1096	20	.02	73	930	6	8	2	29	1	.02	1	46.5	1	125
L 111+300N 15+750E	.1	1.08	21	60	.1	1	.12	.1	8	24	32	2.46	1	.03	6	.36	396	20	.01	31	1220	15	5	1	10	1	.01	1	71.4	2	114
L 111+300N 15+800E	.1	1.70	1	23	.1	1	.14	.1	26	19	58	4.31	1	.01	13	.43	859	14	.01	72	970	45	8	2	4	1	.01	1	15.9	1	79
L 111+300N 15+850E	.1	1.62	40	60	.1	1	.11	.1	13	18	29	2.30	1	.02	9	.29	531	11	.01	32	960	16	10	1	12	1	.02	1	27.3	1	56
L 111+300N 15+900E	.1	1.63	30	54	.1	1	.06	.1	15	33	34	3.81	1	.03	19	.69	517	17	.01	51	460	5	5	2	7	1	.02	1	47.9	1	79
L 111+300N 15+950E	.1	1.23	15	64	.1	1	.14	.1	6	20	18	2.34	1	.02	5	.25	426	9	.01	18	1270	9	7	1	18	1	.01	1	41.5	1	41
L 111+300N 16+000E	.1	1.93	41	52	.1	1	.07	.1	9	32	24	3.31	1	.03	13	.51	447	11	.01	31	1330	17	9	2	9	1	.01	1	37.9	1	55
L 111+300N 16+050E	.1	1.87	59	106	.1	1	.25	.1	15	40	39	3.43	1	.05	18	.81	650	13	.01	55	1260	2	6	2	21	1	.01	1	43.3	1	76
L 111+300N 16+100E	.1	2.10	55	78	.1	1	.16	.1	21	29	43	3.03	1	.05	12	.45	800	12	.01	50	1450	29	12	2	20	1	.01	1	31.3	1	70
L 111+300N 16+150E	.1	1.52	39	160	.1	1	.31	.1	10	34	21	2.73	1	.05	10	.46	682	10	.01	32	1790	4	8	1	19	1	.01	1	38.5	2	54
L 111+300N 16+200E	.1	1.62	66	113	.1	1	.10	.1	12	46	28	2.74	1	.06	15	.79	480	11	.01	58	660	1	5	2	10	1	.02	1	41.1	1	69
L 111+350N 15+550E	.7	2.44	96	93	.1	1	.18	.1	45	32	160	6.00	1	.16	21	.96	1248	39	.03	114	1430	8	9	3	25	1	.02	1	56.9	1	166
L 111+350N 15+600E	.4	3.04	117	138	.1	1	.42	.1	41	45	112	6.14	1	.17	29	1.46	1090	32	.03	109	1020	1	19	3	75	1	.03	1	70.3	1	181
L 111+350N 15+650E	.3	1.91	72	61	.1	1	.17	.1	25	27	66	3.96	1	.06	17	.83	707	18	.02	57	900	2	7	2	22	1	.02	1	40.4	1	100
L 111+350N 15+700E	.3	2.55	108	102	.1	1	.26	.1	25	56	75	4.76	1	.06	25	1.33	716	21	.02	94	780	1	7	2	22	1	.02	1	58.0	1	149
L 111+350N 15+750E	.1	2.40	100	73	.1	1	.06	.1	35	161	135	5.56	1	.03	31	1.55	1178	24	.01	107	870	1	2	3	1	1	.02	1	59.1	4	119
L 111+350N 15+800E	.1	1.78	39	43	.1	1	.07	.1	10	22	29	2.55	1	.02	9	.31	660	14	.01	25	1560	22	12	1	12	1	.01	1	30.2	1	47
L 111+350N 15+850E	.1	3.21	85	56	.1	1	.13	.1	36	42	90	7.05	1	.03	44	1.52	1161	22	.01	110	710	4	19	3	1	1	.01	1	40.9	1	146
L 111+350N 15+900E	.4	3.08	179	245	.3	1	.59	.1	33	56	98	4.20	1	.18	29	2.13	1551	18	.03	83	950	1	1	2	38	1	.07	1	73.2	1	154

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0090-SJ5+6
DATE: 96/08/26
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 111+350N 15+950E	.1	1.78	37	68	.1	1	.11	.1	11	35	28	3.52	1	.03	13	.58	423	14	.01	35	1120	11	8	2	15	1	.02	1	54.5	1	65
L 111+350N 16+000E	.1	2.45	81	76	.1	1	.09	.1	13	40	35	3.74	1	.04	17	.70	523	15	.01	47	1340	6	12	2	12	1	.01	1	45.4	1	71
L 111+400N 15+700E	.4	2.46	143	149	.1	1	.57	.1	20	124	62	4.38	1	.05	28	1.60	583	19	.01	93	950	1	1	2	35	1	.02	1	63.8	3	129
L 111+400N 15+750E	1.3	3.04	256	156	.5	1	.78	.1	26	283	88	3.73	1	.04	37	2.35	1026	18	.01	113	1190	1	1	2	54	1	.03	1	65.9	10	129
L 111+400N 15+800E	.1	2.17	34	46	.1	1	.06	.1	17	37	32	5.18	1	.03	15	.73	740	19	.01	46	910	5	10	2	1	1	.03	1	61.7	1	87
L 111+400N 15+900E	.1	2.47	86	76	.1	1	.12	.1	17	40	39	3.83	1	.04	21	.87	701	18	.01	48	1080	5	10	2	18	1	.03	1	58.3	1	113
L 111+400N 15+950E	.1	2.35	71	87	.1	1	.19	.1	12	39	36	4.16	1	.03	17	.64	415	17	.01	43	1450	11	12	2	19	1	.01	1	52.0	1	65
L 111+400N 16+000E	.1	2.37	97	91	.1	1	.12	.1	19	45	52	3.97	1	.05	22	.97	578	17	.01	66	830	1	8	2	16	1	.02	1	47.2	1	100
L 111+450N 14+700E	.8	3.37	195	422	.1	1	.80	.1	29	116	90	5.17	1	.53	27	2.37	788	32	.07	122	1130	1	11	3	91	1	.09	1	107.0	1	183
L 111+450N 14+750E	.4	2.82	122	268	.1	1	.32	.1	26	56	91	5.26	1	.36	25	1.65	965	35	.04	89	1010	1	8	3	56	1	.06	1	89.9	1	211
L 111+450N 14+800E	.4	2.81	101	213	.1	1	.28	.1	26	52	87	5.25	1	.22	25	1.21	871	40	.02	117	950	1	9	3	29	1	.04	1	109.3	2	215
L 111+450N 14+850E	.1	2.79	76	143	.1	1	.10	.1	25	54	67	5.41	1	.07	21	1.08	1283	40	.01	73	920	3	10	3	23	1	.03	1	116.8	2	183
L 111+450N 14+900E	.2	2.91	124	215	.1	1	.27	.1	23	54	89	5.31	1	.14	28	1.45	831	44	.03	96	890	1	18	3	49	1	.04	1	95.5	1	250
L 111+450N 14+950E	.5	3.96	153	209	.1	1	.21	.1	32	59	111	6.34	1	.18	35	1.62	1038	40	.02	115	1240	1	25	3	72	1	.02	1	92.2	1	181
L 111+450N 15+000E	.1	3.22	130	118	.1	1	.10	.1	22	49	65	5.15	1	.08	24	1.17	531	24	.02	74	1030	1	25	3	34	1	.03	1	70.6	1	121
L 111+450N 15+700E	1.5	2.80	148	135	.5	1	.90	.1	14	46	51	3.33	1	.05	15	.57	560	19	.01	56	2020	30	18	2	50	1	.01	1	67.4	3	114
L 111+450N 15+750E	.1	1.88	102	151	.1	1	.20	.1	19	93	67	3.97	1	.03	23	1.31	575	16	.01	77	400	1	1	2	17	1	.03	1	57.8	3	83
L 111+450N 15+800E	1.1	1.42	82	62	.5	1	.68	.1	4	9	28	.84	1	.02	4	.15	303	7	.02	14	1070	14	11	1	54	1	.02	1	9.8	2	22
L 111+450N 15+850E	.2	.90	11	29	.1	1	.06	.1	4	8	10	1.07	1	.02	3	.14	212	6	.01	12	830	6	6	1	10	1	.01	1	11.7	1	23
L 111+450N 15+900E	.1	1.87	62	71	.1	1	.13	.1	15	41	35	3.64	1	.04	22	.80	559	15	.01	55	1140	1	6	2	13	1	.02	1	46.4	1	85
L 111+450N 15+950E	.1	2.34	73	64	.1	1	.07	.1	16	42	41	4.22	1	.03	21	.82	522	18	.01	53	820	1	10	2	8	1	.02	1	61.3	1	86
L 111+450N 16+000E	.1	2.67	109	120	.1	1	.15	.1	20	49	52	4.33	1	.05	25	1.11	679	18	.01	73	1000	1	10	2	16	1	.02	1	58.8	1	117
L 111+500N 14+700E	.7	3.43	154	297	.1	1	.31	.1	27	73	114	6.37	1	.35	32	2.07	915	42	.04	109	920	1	14	3	63	1	.06	1	103.6	1	245
L 111+500N 14+750E	.7	3.03	130	283	.1	1	.40	.1	27	64	112	6.10	1	.35	27	1.82	981	43	.04	109	1020	1	14	3	53	1	.06	1	103.8	1	258
L 111+500N 14+800E	.1	2.34	84	166	.1	1	.25	.1	33	49	61	4.35	1	.11	20	1.22	1367	28	.02	75	1090	1	5	2	44	1	.03	1	86.1	2	177
L 111+500N 14+850E	.1	3.05	119	212	.1	1	.29	.1	30	52	97	5.66	1	.21	26	1.57	942	36	.03	103	960	1	17	3	57	1	.04	1	86.4	1	203
L 111+500N 14+900E	.4	2.87	123	149	.1	1	.22	.1	21	48	75	4.04	1	.13	24	1.29	605	23	.02	76	900	1	9	2	38	1	.05	1	74.9	1	164
L 111+500N 14+950E	.1	2.43	68	102	.1	1	.17	.1	25	44	107	5.17	1	.09	22	1.12	607	34	.02	88	1540	1	6	2	32	1	.02	1	83.1	1	190
L 111+500N 15+000E	.2	2.37	52	220	.1	1	.30	.1	48	50	182	7.36	1	.21	23	1.30	1629	56	.03	148	1370	1	15	3	29	1	.02	1	123.4	1	363
L 111+500N 15+700E	.1	2.34	30	64	.1	1	.05	.1	20	43	63	6.33	1	.04	28	1.03	537	23	.01	66	530	1	6	3	1	1	.01	1	51.9	1	140
L 111+500N 15+750E	.5	1.83	73	189	.1	1	1.16	.1	16	40	45	3.05	1	.04	20	.78	950	13	.01	52	1180	6	7	2	64	1	.02	1	36.7	1	88
L 111+500N 15+800E	.5	1.91	79	98	.1	1	.63	.1	14	37	40	3.19	1	.04	24	.83	471	14	.01	60	870	1	6	2	44	1	.02	1	43.3	1	84
L 111+500N 15+850E	.1	1.88	68	91	.1	1	.31	.1	16	32	31	3.01	1	.03	19	.66	913	14	.01	45	1040	12	8	2	27	1	.02	1	41.1	1	76
L 111+500N 15+900E	.1	1.89	57	73	.1	1	.19	.1	14	34	35	3.03	1	.04	20	.71	702	13	.01	58	980	6	7	2	19	1	.02	1	41.2	1	75
L 111+500N 15+950E	.1	2.39	85	92	.1	1	.13	.1	17	43	47	4.07	1	.05	23	.94	532	16	.01	61	970	1	9	2	15	1	.02	1	58.2	1	111
L 111+500N 16+000E	.1	1.84	24	86	.1	1	.06	.1	11	35	19	3.54	1	.04	9	.39	718	12	.01	27	1940	25	10	2	13	1	.01	1	47.7	1	46
L 111+550N 14+750E	.1	2.86	54	59	.1	1	.08	.1	20	33	41	5.66	1	.03	22	.82	624	18	.01	57	1140	2	13	3	5	1	.02	1	37.8	1	115
L 111+550N 14+800E	.4	2.87	110	206	.1	1	.36	.1	29	51	100	5.56	1	.21	27	1.54	916	37	.03	101	960	1	16	3	53	1	.04	1	87.3	1	213
L 111+550N 14+850E	.1	2.11	70	94	.1	1	.09	.1	11	36	45	3.43	1	.06	15	.78	341	20	.02	45	970	1	8	2	27	1	.03	1	72.7	1	93
L 111+550N 14+900E	.1	2.11	69	68	.1	1	.10	.1	10	31	32	2.60	1	.05	13	.62	341	14	.02	36	970	1	10	1	20	1	.03	1	54.2	1	71
L 111+550N 14+950E	.1	2.71	72	123	.1	1	.18	.1	34	44	99	5.74	1	.08	24	1.11	1412	34	.01	98	940	1	14	3	19	1	.02	1	70.3	1	170
L 111+550N 15+000E	.1	2.70	68	190	.1	1	.24	.1	39	61	116	6.99	1	.23	26	1.39	1597	42	.02	129	1000	9	17	3	29	1	.03	1	101.5	1	266
L 111+550N 15+650E	.2	1.95	82	142	.1	1	.63	.1	24	61	67	4.44	1	.07	23	1.19	779	18	.02	94	890	1	3	2	34	1	.02	1	56.4	1	137
L 111+550N 15+700E	.1	3.25	214	1152	.1	1	.44	.1	26	396	44	4.17	1	.20	60	3.11	920	15	.01	107	660	1	1	3	26	1	.07	1	118.1	12	91
L 111+550N 15+750E	.1	1.94	29	53	.1	1	.04	.1	11	38	23	4.39	1	.02	13	.47	214	14	.01	37	640	13	10	2	1	1	.02	1	37.7	1	54
L 111+550N 15+800E	.4	2.34	172	190	.5	1	.80	.1	18	154	58	2.60	1	.03	18	1.35	2313	15	.02	71	1440	1	4	2	52	1	.02	1	46.1	6	49
L 111+550N 15+850E	.1	.79	1	47	.1	1	.13	.1	6	10	10	1.42	1	.02	5	.18	336	6	.02	17	1200	10	4	1	13	1	.01	1	15.1	1	37
L 111+550N 15+900E	.2	2.23	78	107	.1	1	.15	.1	16	37	41	3.08	1	.04	19	.80	633	14	.02	58	900	11	9	2	18	1	.02	1	48.6	1	89

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0090-SJ7+8
DATE: 96/08/26
* (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 111+550N 16+000E	.1	1.94	47	65	.1	1	.09	.1	10	36	31	3.03	1	.04	12	.56	422	12	.01	34	1310	3	9	2	11	1	.02	1	43.1	1	61
L 111+600N 14+700E	.1	2.43	86	40	.1	1	.05	.1	9	37	20	3.59	1	.02	17	.80	263	15	.01	32	780	3	10	2	7	1	.02	1	45.8	1	62
L 111+600N 14+750E	.1	3.01	108	92	.1	1	.09	.1	12	49	44	4.16	1	.04	19	1.05	462	23	.01	52	840	1	11	2	22	1	.03	1	84.8	2	125
L 111+600N 14+850E	.1	1.77	6	25	.1	1	.06	.1	10	26	25	4.93	1	.01	7	.44	371	15	.01	32	1110	7	8	2	1	1	.01	1	34.2	1	61
L 111+600N 14+900E	.1	2.56	63	83	.1	1	.11	.1	25	46	51	5.21	1	.06	25	.98	1131	24	.01	69	1070	1	9	2	15	1	.02	1	76.1	1	132
L 111+600N 14+950E	.1	2.30	47	45	.1	1	.07	.1	22	33	48	4.86	1	.03	17	.70	914	20	.01	58	1000	14	11	2	9	1	.02	1	54.3	1	87
L 111+600N 15+000E	.1	2.26	57	172	.1	1	.27	.1	35	46	113	6.48	1	.18	21	1.20	1459	44	.02	119	970	1	16	3	18	1	.02	1	104.7	1	291
L 111+600N 15+600E	.1	2.52	133	165	.1	1	.31	.1	75	158	764	5.84	1	.07	24	1.74	1461	22	.01	118	830	1	12	3	17	1	.02	1	72.3	3	182
L 111+600N 15+650E	.3	2.48	122	329	.1	1	.67	.1	23	102	65	4.36	1	.08	28	1.66	780	18	.02	98	820	1	1	2	40	1	.04	1	76.5	3	145
L 111+600N 15+700E	.1	2.88	140	638	.1	1	.21	.1	32	207	121	5.34	1	.34	42	2.41	1570	17	.02	93	1250	1	4	3	7	1	.05	1	103.7	5	115
L 111+600N 15+750E	.1	2.08	68	247	.1	1	.06	.1	15	118	46	4.52	1	.05	12	1.11	371	16	.01	53	980	1	3	2	3	1	.04	1	83.8	4	74
L 111+600N 15+800E	.1	2.45	97	46	.1	1	.06	.1	15	92	44	4.17	1	.02	22	1.19	322	19	.01	56	520	1	5	2	5	1	.03	1	58.9	3	66
L 111+600N 15+850E	.1	2.33	5	149	.1	1	.23	.1	39	25	65	5.85	1	.03	8	.49	7498	22	.01	80	3190	66	14	3	6	1	.01	1	29.7	1	136
L 111+600N 15+900E	.1	2.53	81	72	.1	1	.11	.1	19	40	53	4.43	1	.04	23	.93	719	19	.01	64	1310	1	10	2	13	1	.02	1	55.7	1	124
L 111+600N 15+950E	.1	3.73	144	108	.2	1	.13	.1	20	45	45	3.60	1	.05	20	.85	782	18	.01	53	1620	18	21	2	21	1	.02	1	46.5	3	89
L 111+600N 16+000E	.1	2.65	91	99	.1	1	.16	.1	23	44	58	4.48	1	.04	24	1.09	813	19	.01	74	960	1	9	2	15	1	.02	1	56.7	1	120
L 111+650N 14+700E	.1	3.12	87	88	.1	1	.09	.1	16	55	42	5.45	1	.04	23	1.12	398	22	.01	60	790	1	22	3	14	1	.03	1	74.6	1	119
L 111+650N 14+750E	.1	3.25	99	128	.1	1	.04	.1	17	59	63	6.10	1	.08	23	1.22	556	32	.01	71	770	1	22	3	24	1	.04	1	96.6	1	156
L 111+650N 14+800E	.2	2.41	85	200	.1	1	.30	.1	24	43	72	4.92	1	.19	20	1.28	790	27	.03	84	890	1	5	2	44	1	.04	1	73.8	1	176
L 111+650N 14+850E	.1	2.93	96	62	.1	1	.06	.1	9	49	44	3.92	1	.08	15	.72	282	21	.01	34	1070	11	15	2	10	1	.02	1	67.1	1	53
L 111+650N 14+900E	.2	2.41	112	66	.1	1	.10	.1	13	39	43	3.63	1	.02	21	.80	411	17	.01	41	1170	1	11	2	15	1	.02	1	44.8	1	72
L 111+650N 14+950E	.1	2.69	68	35	.1	1	.08	.1	27	38	57	5.57	1	.04	23	1.03	1133	20	.01	72	970	1	10	3	4	1	.01	1	45.7	1	118
L 111+650N 15+000E	.1	2.51	90	80	.1	1	.16	.1	38	40	95	5.84	1	.06	27	1.30	1783	33	.01	104	850	1	12	3	8	1	.01	1	69.8	1	178
L 111+650N 15+550E	.2	2.48	112	237	.1	1	.54	.1	26	85	92	4.80	1	.06	26	1.52	937	19	.02	100	910	1	3	2	35	1	.03	1	68.3	1	147
L 111+650N 15+600E	.1	3.11	181	269	.1	1	.07	.1	21	280	27	3.81	1	.08	34	2.75	496	15	.01	95	360	1	1	2	9	1	.04	1	80.2	7	77
L 111+650N 15+650E	.1	2.57	138	148	.1	1	.09	.1	18	255	30	3.79	1	.08	28	1.97	362	15	.01	84	390	1	1	2	8	1	.05	1	83.2	9	62
L 111+650N 15+700E	.4	2.75	162	315	.1	1	.58	.1	23	146	67	4.31	1	.14	28	2.06	726	17	.03	113	880	1	1	2	39	1	.07	1	93.1	3	139
L 111+650N 15+750E	.1	2.45	149	338	.1	1	.20	.1	20	233	49	3.23	1	.02	26	1.83	549	15	.02	85	570	1	1	2	18	1	.04	1	62.2	8	75
L 111+650N 15+800E	.1	2.27	97	269	.1	1	.62	.1	17	76	68	4.07	1	.06	19	1.28	751	17	.02	62	2090	1	2	2	36	1	.02	1	54.7	2	121
L 111+650N 15+850E	.1	2.01	1	82	.1	1	.12	.1	31	30	75	6.05	1	.03	10	.60	1742	24	.01	63	1540	33	7	3	1	1	.01	1	62.3	1	134
L 111+650N 15+900E	.1	2.62	63	39	.1	1	.09	.1	10	27	37	3.19	1	.03	11	.47	330	14	.01	30	1780	26	14	2	11	1	.02	1	33.5	1	57
L 111+650N 16+000E	.1	2.46	78	68	.1	1	.09	.1	13	37	38	3.80	1	.04	16	.66	670	16	.01	44	1220	13	11	2	11	1	.02	1	57.5	1	77
L 111+700N 14+700E	.1	2.66	68	86	.1	1	.05	.1	15	58	52	5.28	1	.07	20	1.18	536	22	.01	60	750	1	6	2	9	1	.03	1	106.3	1	152
L 111+700N 14+750E	.1	2.64	60	68	.1	1	.04	.1	13	44	32	4.66	1	.05	18	.86	397	17	.01	42	740	1	9	2	4	1	.02	1	58.5	2	77
L 111+700N 14+800E	.1	1.92	54	96	.1	1	.16	.1	12	52	23	3.46	1	.05	21	.90	368	14	.01	44	580	1	4	2	15	1	.02	1	47.2	1	67
L 111+700N 14+850E	.1	1.46	48	35	.1	1	.03	.1	7	23	8	2.12	1	.02	8	.53	203	9	.01	20	1050	1	4	1	7	1	.01	1	28.9	1	34
L 111+700N 14+900E	.1	2.06	55	62	.1	1	.24	.1	16	31	30	4.33	1	.03	25	.78	553	16	.01	50	1070	1	6	2	18	1	.01	1	39.2	1	123
L 111+700N 15+200E	.1	3.27	118	165	.1	1	.30	.1	35	47	98	6.00	1	.20	29	1.54	968	33	.03	93	980	1	18	3	46	1	.03	1	83.5	1	175
L 111+700N 15+250E	.1	2.17	36	309	.1	1	.41	.1	45	78	189	7.48	1	.18	23	1.49	2518	35	.02	146	810	1	10	4	12	1	.02	1	79.8	1	311
L 111+700N 15+350E	.1	2.18	102	410	.1	1	1.18	.1	34	154	140	4.96	1	.06	19	1.54	2077	25	.02	112	1190	1	1	3	28	1	.02	1	75.7	4	145
L 111+700N 15+550E	.1	3.30	187	245	.1	1	.08	.1	23	264	35	4.53	1	.07	39	2.72	561	16	.01	92	240	1	3	3	7	1	.04	1	82.6	6	87
L 111+700N 15+600E	.3	1.46	80	45	.1	1	.05	.1	10	126	12	2.04	1	.02	12	1.10	179	9	.01	43	360	1	1	1	5	1	.03	1	47.5	4	34
L 111+700N 15+650E	.3	2.00	115	56	.1	1	.07	.1	14	254	19	2.46	1	.02	19	1.54	242	10	.01	68	300	1	1	1	6	1	.04	1	58.2	10	43
L 111+700N 15+700E	.1	2.40	106	276	.1	1	.64	.1	17	126	66	4.18	1	.05	36	1.44	626	16	.02	67	930	1	1	2	31	1	.03	1	62.4	3	154
L 111+700N 15+750E	.1	2.81	107	292	.1	1	.18	.1	27	135	100	4.62	1	.12	23	1.50	978	21	.01	96	1030	1	3	2	7	1	.04	1	79.7	4	131
L 111+700N 15+800E	.1	2.55	137	284	.1	1	.47	.1	23	133	53	4.26	1	.17	26	1.87	1104	18	.02	109	1120	1	1	2	35	1	.06	1	93.0	3	150
L 111+700N 15+850E	.1	1.71	51	88	.1	1	.22	.1	14	34	34	2.83	1	.04	15	.66	585	12	.02	47	1200	1	5	1	18	1	.02	1	39.3	1	72
L 111+700N 15+900E	.1	2.22	87	90	.1	1	.15	.1	13	57	41	3.58	1	.06	18	.98	476	16	.01	63	1170	1	5	2	17	1	.02	1	59.1	1	94

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0090-SJ9
DATE: 96/08/26
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 111+700N 15+950E	.1	3.32	69	71	.1	1	.14	.1	22	38	61	4.26	1	.04	22	.85	723	19	.01	59	1330	30	14	2	18	1	.02	1	49.8	1	130
L 111+700N 16+000E	.1	1.88	31	46	.1	1	.09	.1	13	25	32	2.75	1	.04	12	.55	469	12	.02	35	880	1	8	1	13	1	.02	1	37.0	1	64
L 111+750N 14+700E	.1	1.96	6	48	.1	1	.02	.1	9	38	17	3.97	1	.05	12	.87	348	16	.01	26	550	1	4	1	6	1	.04	1	92.4	1	62
L 111+750N 14+750E	.6	1.56	1	45	.1	1	.04	.1	9	31	26	4.34	1	.09	8	.69	256	15	.01	24	620	1	3	2	3	1	.03	1	50.8	1	60
L 111+750N 14+800E	.9	1.90	42	46	.2	1	.24	.1	13	20	42	2.08	1	.03	9	.32	314	11	.01	46	1090	8	12	1	29	1	.02	1	18.7	1	92
L 111+750N 14+850E	.4	2.25	38	19	.1	1	.15	.1	16	23	66	3.44	1	.04	16	.67	433	13	.01	50	1340	17	9	1	12	1	.01	1	20.7	1	106
L 111+750N 14+950E	.1	1.23	17	20	.1	1	.06	.1	9	40	14	2.80	1	.02	9	.66	229	12	.01	26	220	1	2	1	6	1	.02	1	48.1	1	56
L 111+750N 15+000E	.1	2.92	45	156	.1	1	1.29	.1	32	27	65	4.44	1	.08	15	.72	3926	15	.06	78	1140	61	14	2	88	1	.04	1	53.1	1	125
L 111+750N 15+050E	.1	3.36	57	167	.1	1	.18	.1	29	54	107	5.71	1	.15	28	1.48	934	34	.02	102	1020	1	7	2	52	1	.03	1	103.5	1	217
L 111+750N 15+100E	.2	1.82	21	57	.1	1	.07	.1	11	30	49	3.35	1	.06	12	.71	352	17	.02	38	1000	1	6	1	25	1	.02	1	46.8	1	87
L 111+750N 15+150E	.3	2.30	8	71	.1	1	.13	.1	21	36	77	4.56	1	.08	18	.98	774	21	.02	59	1420	2	5	2	23	1	.02	1	51.8	1	136
L 111+750N 15+200E	.2	3.17	48	164	.1	1	.35	.1	37	49	118	5.91	1	.21	29	1.61	1119	26	.03	92	1020	1	3	3	52	1	.03	1	82.1	1	201
L 111+750N 15+250E	.3	2.38	45	223	.1	1	.22	.1	92	245	2477	7.49	1	.09	21	2.10	533	26	.01	96	350	1	1	3	2	1	.03	1	67.3	4	341
L 111+750N 15+300E	.1	1.94	1	217	.1	1	.10	.1	83	218	966	11.38	1	.09	19	1.82	437	29	.01	88	310	1	1	4	1	1	.03	1	64.0	1	164
L 111+750N 15+350E	.3	1.92	49	61	.1	1	.04	.1	12	118	47	3.32	1	.03	12	1.02	229	13	.01	41	520	1	3	1	7	1	.02	1	66.6	4	51
L 111+750N 15+400E	.1	2.53	52	186	.1	1	.12	.1	22	160	51	4.40	1	.05	23	1.46	719	18	.01	62	590	1	1	2	13	1	.04	1	74.5	5	170
L 111+750N 15+450E	.1	2.72	104	437	.1	1	.32	.1	26	205	109	4.73	1	.12	30	2.29	755	20	.01	97	540	1	1	2	13	1	.03	1	68.2	4	123
L 111+750N 15+500E	.4	2.19	123	287	.1	1	.28	.1	18	193	69	2.79	1	.09	25	1.89	473	14	.01	76	450	1	1	1	16	1	.03	1	58.0	7	78
L 111+750N 15+600E	.1	2.08	54	67	.1	1	.09	.1	16	165	48	3.71	1	.03	11	1.46	584	22	.01	94	550	1	1	2	7	1	.03	1	111.4	6	93
L 111+750N 15+650E	.1	2.44	81	155	.1	1	.16	.1	16	190	58	3.62	1	.02	24	1.91	414	14	.01	69	230	1	1	2	7	1	.03	1	53.2	5	78
L 111+750N 15+700E	.1	2.07	26	57	.1	1	.04	.1	9	50	34	3.64	1	.03	11	.94	302	15	.01	35	720	1	3	1	3	1	.01	1	51.5	1	74
L 111+750N 15+750E	.1	2.46	60	284	.1	1	.29	.1	15	111	56	3.94	1	.04	25	1.86	544	15	.01	57	470	1	1	2	17	1	.03	1	71.1	2	97
L 111+750N 15+800E	.2	1.18	20	265	.1	1	1.52	.1	6	25	15	1.21	1	.02	2	.40	805	7	.01	14	1160	1	3	1	87	1	.01	1	14.6	1	16

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COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0092-SJ1+2
DATE: 96/09/06
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 111+800N 14+700E	.1	2.55	32	59	.1	1	.09	.1	12	58	155	4.48	1	.03	19	.97	317	16	.01	39	520	1	6	2	7	1	.02	1	59.4	1	61
L 111+800N 14+750E	.1	1.90	42	116	.1	1	.06	.1	7	38	25	2.20	1	.05	16	.76	296	10	.01	19	270	1	5	1	11	1	.04	1	54.4	1	41
L 111+800N 14+800E	.1	2.36	91	84	.1	1	.20	.1	15	88	46	4.18	1	.04	29	1.66	464	18	.01	55	310	1	1	3	18	1	.04	1	69.7	1	97
L 111+800N 14+850E	.1	1.18	45	48	.1	1	.06	.1	5	31	10	1.49	1	.02	8	.66	164	9	.01	19	190	1	1	1	9	1	.03	1	37.9	1	29
L 111+800N 14+900E	.1	2.84	108	90	.1	1	.10	.1	20	134	97	4.57	1	.05	29	1.69	489	17	.01	70	390	1	2	3	10	1	.03	1	69.2	4	94
L 111+800N 14+950E	.1	2.46	68	112	.1	1	.11	.1	14	93	55	3.79	1	.04	18	1.08	251	14	.02	45	440	1	6	2	10	1	.06	1	77.7	2	53
L 111+800N 15+000E	.1	1.85	16	38	.1	1	.19	.1	20	29	50	4.18	1	.05	16	.77	736	18	.02	47	1130	1	4	2	22	1	.01	1	36.5	1	104
L 111+800N 15+050E	.1	2.86	65	56	.1	1	.15	.1	44	36	114	5.45	1	.06	23	1.07	1338	25	.02	98	1330	6	9	3	15	1	.02	1	44.7	1	123
L 111+800N 15+100E	.1	2.08	3	221	.1	1	.17	.1	49	200	789	8.73	1	.08	22	1.75	506	27	.02	100	550	1	1	4	6	1	.03	1	68.8	2	197
L 111+800N 15+150E	.3	1.96	71	212	.1	3	.98	.1	123	102	1349	4.46	1	.07	19	1.29	1033	18	.02	89	900	1	1	3	58	1	.02	1	50.3	2	358
L 111+800N 15+250E	.1	2.70	44	292	.1	17	.38	.1	103	287	3707	9.18	1	.12	24	2.25	533	27	.02	123	300	1	1	4	12	1	.04	1	71.9	5	415
L 111+800N 15+300E	.1	2.44	124	210	.1	1	.14	.1	26	262	264	5.24	1	.07	24	2.20	401	19	.01	91	240	1	1	3	8	1	.03	1	73.7	7	119
L 111+800N 15+350E	.1	2.48	112	67	.1	1	.07	.1	16	203	53	3.72	1	.03	23	1.72	302	15	.01	71	370	1	1	2	8	1	.03	1	67.8	6	62
L 111+800N 15+400E	.3	3.29	143	123	.1	1	.12	.1	26	219	882	4.81	1	.04	26	1.95	389	19	.01	80	840	1	4	3	15	1	.04	1	74.6	6	96
L 111+800N 15+450E	.1	3.52	193	342	.1	1	.15	.1	27	243	100	4.46	1	.14	36	2.42	652	20	.02	107	380	1	1	3	15	1	.04	1	77.5	6	104
L 111+800N 15+500E	.1	2.22	145	92	.1	1	.09	.1	14	221	26	2.84	1	.03	20	1.78	361	13	.01	69	460	1	1	2	11	1	.03	1	70.7	8	52
L 111+800N 15+550E	.1	3.55	209	448	.1	1	.15	.1	29	281	100	4.54	1	.20	38	3.02	804	19	.02	115	320	1	1	3	15	1	.05	1	87.8	6	104
L 111+800N 15+600E	.7	2.38	142	82	.1	1	.07	.1	15	219	35	3.09	1	.03	19	1.71	355	13	.01	72	510	1	1	2	10	1	.02	1	66.6	8	58
L 111+800N 15+650E	.1	2.62	136	100	.1	1	.07	.1	19	283	60	3.92	1	.04	23	2.00	372	17	.01	94	480	1	1	2	11	1	.02	1	72.5	10	71
L 111+800N 15+700E	.3	2.28	99	692	.1	1	.72	.1	13	43	54	3.38	1	.13	16	1.56	1145	15	.04	39	830	1	1	2	35	1	.09	1	84.3	1	95
L 111+800N 15+750E	.1	2.57	86	678	.1	1	.43	.1	14	66	41	3.77	1	.05	25	1.24	497	17	.02	49	1300	1	5	2	36	1	.02	1	56.7	1	95
L 111+800N 15+800E	.1	2.19	78	113	.1	1	.06	.1	14	74	31	3.41	1	.03	23	1.25	585	14	.02	50	620	1	2	2	14	1	.02	1	52.9	1	77
L 111+800N 15+850E	.1	2.58	72	128	.1	1	.09	.1	25	162	68	5.64	1	.05	24	1.59	999	18	.01	92	1160	1	1	3	15	1	.02	1	74.5	4	122
L 111+800N 15+900E	.1	1.53	49	114	.1	1	.09	.1	19	82	34	3.07	1	.03	10	.79	2351	13	.02	53	1450	1	3	2	18	1	.01	1	41.9	3	63
L 111+800N 15+950E	.1	1.65	4	53	.1	1	.14	.1	10	32	28	3.80	1	.04	11	.54	391	16	.01	36	910	1	6	2	19	1	.01	1	58.0	1	79
L 111+800N 16+000E	.1	2.27	52	90	.1	1	.17	.1	15	40	34	3.95	1	.04	21	.81	536	18	.01	47	860	13	8	2	26	1	.02	1	59.0	1	102
L 111+850N 14+700E	.3	2.70	106	155	.1	1	.35	.1	12	65	86	3.51	1	.10	19	1.37	364	20	.01	58	870	1	5	2	36	1	.04	1	72.4	1	116
L 111+850N 14+750E	.1	1.94	1	77	.1	1	.09	.1	19	159	191	8.27	1	.05	16	1.42	330	23	.01	64	720	1	1	4	1	1	.03	1	67.9	1	66
L 111+850N 14+800E	.1	3.25	53	129	.1	1	.06	.1	23	179	153	7.57	1	.09	25	1.84	577	26	.01	70	610	1	2	4	2	1	.03	1	73.1	2	154
L 111+850N 14+850E	.3	2.73	112	114	.1	1	.32	.1	22	98	138	4.42	1	.04	30	1.56	533	24	.01	61	740	1	3	3	26	1	.03	1	60.1	1	300
L 111+850N 14+900E	1.2	1.69	79	68	.1	1	.66	.1	15	41	54	2.34	1	.03	16	.58	424	12	.02	34	1320	1	7	1	62	1	.02	1	31.0	2	108
L 111+850N 14+950E	.1	3.38	80	368	.1	1	.07	.1	93	482	991	12.48	1	.13	37	3.47	1220	32	.01	171	390	1	1	6	1	1	.04	1	101.5	9	335
L 111+850N 15+000E	.2	2.55	149	79	.1	1	.08	.1	29	390	415	4.57	1	.04	31	2.46	413	17	.01	120	240	1	1	3	8	1	.03	1	72.6	13	190
L 111+850N 15+050E	.8	2.55	160	45	.1	1	.07	.1	24	391	277	4.36	1	.03	29	2.29	300	17	.01	109	340	1	1	3	9	1	.04	1	75.1	14	143
L 111+850N 15+100E	.4	1.17	54	27	.1	1	.05	.1	10	106	45	3.32	1	.03	9	.81	158	18	.01	39	310	1	1	2	4	1	.03	1	60.4	4	62
L 111+850N 15+150E	.3	2.31	91	219	.1	1	.39	.1	34	140	277	4.39	1	.06	24	1.48	434	20	.01	76	780	1	2	3	35	1	.02	1	63.5	4	184
L 111+850N 15+200E	1.1	.73	30	102	.1	1	.17	.1	5	33	15	1.00	1	.03	4	.33	125	5	.02	17	640	1	2	1	18	1	.02	1	19.9	1	28
L 111+850N 15+250E	.2	1.10	20	156	.1	1	.14	.1	15	54	31	2.28	1	.04	7	.56	630	12	.01	28	660	1	3	1	14	1	.02	1	55.5	3	54
L 111+850N 15+300E	.2	1.91	46	61	.1	1	.06	.1	13	107	21	4.04	1	.03	12	.96	259	16	.01	44	520	1	5	2	10	1	.03	1	78.5	4	66
L 111+850N 15+350E	.3	2.42	91	139	.1	1	.33	.1	16	134	23	4.12	1	.03	23	1.48	366	17	.01	60	420	1	3	2	26	1	.03	1	75.0	4	75
L 111+850N 15+400E	.5	3.03	167	250	.1	1	.29	.1	24	256	96	4.35	1	.05	29	2.35	587	19	.01	107	330	1	1	3	19	1	.04	1	74.9	8	87
L 111+850N 15+450E	1.1	3.32	208	309	.1	1	.48	.1	25	299	71	4.24	1	.04	32	2.73	507	18	.01	116	640	1	1	3	28	1	.05	1	86.9	9	119
L 111+850N 15+500E	.5	3.06	188	306	.1	1	.30	.1	24	294	61	4.25	1	.05	34	2.62	581	19	.01	112	450	1	1	3	23	1	.04	1	79.1	9	115
L 111+850N 15+550E	.4	3.21	215	289	.1	1	.25	.1	28	376	39	4.72	1	.06	31	2.63	797	20	.01	116	370	1	1	3	19	1	.04	1	83.9	12	110
L 111+850N 15+600E	.2	3.66	145	263	.1	1	.24	.1	25	108	74	5.74	1	.08	27	1.90	794	29	.01	97	530	1	8	3	18	1	.04	1	81.4	2	160
L 111+850N 15+650E	.2	2.57	69	163	.1	1	.12	.1	13	63	27	4.73	1	.05	22	1.39	465	21	.01	51	640	1	4	2	15	1	.02	1	65.8	1	112
L 111+850N 15+700E	.2	2.30	113	229	.1	1	.18	.1	12	83	12	3.39	1	.03	23	1.54	410	16	.01	46	470	1	1	2	20	1	.02	1	59.1	1	79
L 111+850N 15+750E	.5	3.30	197	482	.1	1	.69	.1	26	266	87	4.96	1	.04	37	2.70	818	22	.01	109	820	1	1	3	42	1	.04	1	98.4	7	116

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0092-SJ3+4
DATE: 96/09/06
• SOIL • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 111+850N 15+800E	.1	2.35	60	246	.1	1	.45	.1	12	167	31	3.20	1	.03	20	1.24	428	13	.01	55	680	1	1	2	25	1	.02	1	63.3	5	61
L 111+850N 15+850E	.1	2.74	1	86	.1	1	.09	.1	13	53	45	4.58	1	.05	20	.89	416	18	.01	51	910	1	6	2	18	1	.02	1	62.1	1	93
L 111+850N 15+900E	.1	2.47	19	69	.1	1	.14	.1	13	33	40	3.27	1	.05	17	.67	378	15	.01	44	840	1	8	2	23	1	.03	1	50.1	1	83
L 111+850N 15+950E	.1	2.20	1	58	.1	1	.14	.1	13	32	40	3.37	1	.04	17	.66	402	15	.01	48	950	1	6	2	21	1	.02	1	50.8	1	85
L 111+850N 16+000E	.1	2.49	1	94	.1	1	.11	.1	15	33	33	3.37	1	.05	14	.53	1020	16	.01	40	1100	11	10	2	24	1	.01	1	53.8	1	83
L 111+900N 14+700E	.1	1.74	1	116	.1	1	.35	.1	16	68	118	6.23	1	.05	12	.95	295	36	.01	41	680	1	1	3	17	1	.02	1	73.3	1	100
L 111+900N 14+750E	.1	2.16	20	49	.1	1	.05	.1	9	76	50	2.95	1	.04	17	.92	227	13	.01	31	330	1	3	2	8	1	.02	1	50.1	2	48
L 111+900N 14+800E	.1	2.37	30	86	.1	1	.08	.1	16	86	142	4.17	1	.06	20	1.16	384	16	.01	52	600	1	3	2	9	1	.03	1	55.8	1	89
L 111+900N 14+850E	14.7	.07	1	6	.1	1	.01	.1	9	19	77	8.91	1	.01	1	.02	30	138	.01	17	130	52	6	3	1	1	.01	1	49.6	1	13
L 111+900N 14+900E	.7	2.26	1	120	.1	1	.74	.1	92	96	691	6.71	1	.05	25	1.07	618	27	.01	74	620	1	7	3	54	1	.03	1	48.2	1	624
L 111+900N 14+950E	.8	2.95	88	79	.1	1	.06	.1	29	408	431	6.95	1	.03	27	2.47	348	24	.01	114	390	1	1	4	9	1	.04	1	81.1	13	178
L 111+900N 15+000E	.7	2.27	1	94	.1	1	.06	.1	17	200	208	5.80	1	.04	16	1.29	240	20	.01	60	500	1	5	3	12	1	.03	1	73.3	7	79
L 111+900N 15+050E	1.2	1.74	54	303	.1	1	.51	.1	45	85	303	2.42	1	.04	10	.68	768	13	.02	44	1410	1	10	1	40	1	.02	1	32.6	4	141
L 111+900N 15+100E	.7	2.11	90	158	.1	1	.11	.1	19	132	91	3.40	1	.04	18	1.41	498	15	.01	55	540	1	4	2	17	1	.03	1	62.2	4	98
L 111+900N 15+150E	.8	2.14	51	302	.1	1	.53	.1	29	103	135	3.97	1	.05	17	1.14	741	17	.01	57	1570	1	6	2	36	1	.02	1	70.3	3	127
L 111+900N 15+200E	.7	2.60	125	225	.1	1	.32	.1	18	177	43	3.78	1	.04	31	2.02	483	15	.01	73	500	1	1	2	21	1	.03	1	71.4	5	107
L 111+900N 15+250E	.9	2.92	112	311	.1	1	.59	.1	35	202	374	4.59	1	.07	27	2.13	697	19	.01	94	1010	1	1	3	31	1	.03	1	82.9	6	129
L 111+900N 15+300E	.4	3.01	89	396	.1	1	.46	.1	21	184	88	4.79	1	.05	27	1.77	1020	19	.01	79	1050	1	7	3	31	1	.02	1	103.1	6	125
L 111+900N 15+350E	1.2	2.08	107	337	.1	1	.55	.1	15	137	68	3.01	1	.05	19	1.34	470	15	.02	65	680	1	5	2	32	1	.03	1	51.9	4	98
L 111+900N 15+400E	1.6	2.32	115	442	.1	1	.50	.1	13	99	59	2.71	1	.04	18	1.02	384	15	.01	56	960	1	10	2	36	1	.02	1	44.0	4	94
L 111+900N 15+500E	1.2	1.10	53	156	.1	1	.46	.1	4	22	31	.88	1	.03	7	.31	136	6	.02	13	960	1	9	1	29	1	.02	1	16.9	1	22
L 111+900N 15+550E	1.5	1.84	52	356	.1	1	.75	.1	9	54	126	2.28	1	.04	10	.57	304	12	.02	38	1500	1	11	1	39	1	.02	1	44.4	3	64
L 111+900N 15+650E	1.3	2.09	121	358	.1	1	.72	.1	12	110	96	2.44	1	.04	18	1.18	479	13	.02	52	920	1	7	2	40	1	.02	1	47.1	4	76
L 111+900N 15+700E	.9	2.56	147	164	.1	1	.11	.1	14	177	42	3.03	1	.03	22	1.77	400	15	.02	65	530	1	4	2	20	1	.02	1	59.9	6	65
L 111+900N 15+750E	.1	1.83	66	73	.1	1	.06	.1	15	169	35	3.11	1	.03	16	1.52	1840	13	.01	60	590	1	1	2	10	1	.02	1	66.2	5	58
L 111+900N 15+800E	.1	2.43	10	71	.1	1	.09	.1	15	46	42	3.34	1	.03	15	.68	794	13	.01	37	1120	1	9	2	16	1	.01	1	45.2	1	70
L 111+900N 15+850E	.1	2.74	1	146	.1	1	.11	.1	16	44	64	4.40	1	.06	19	.85	580	18	.01	57	800	6	9	2	17	1	.02	1	52.8	1	117
L 111+900N 15+900E	.1	2.89	13	74	.1	1	.10	.1	10	37	30	3.32	1	.05	15	.60	403	15	.01	32	1180	3	14	2	23	1	.01	1	54.5	1	78
L 111+900N 15+950E	.1	2.54	23	93	.1	1	.16	.1	13	37	38	3.46	1	.05	18	.79	438	16	.01	47	730	1	9	2	27	1	.02	1	58.1	1	97
L 111+900N 16+000E	.1	3.06	26	78	.1	1	.13	.1	13	36	36	3.39	1	.04	15	.60	667	17	.01	39	1210	30	15	2	25	1	.01	1	50.9	1	86
L 111+950N 14+700E	.1	2.30	1	107	.1	1	.07	.1	16	61	83	4.68	1	.06	17	.95	406	21	.01	40	690	1	4	2	12	1	.02	1	68.6	1	94
L 111+950N 14+750E	.1	2.93	46	113	.1	1	.07	.1	16	136	123	4.88	1	.07	28	1.68	449	18	.01	58	420	1	2	3	9	1	.03	1	68.4	3	97
L 111+950N 14+800E	.1	1.65	1	41	.1	1	.05	.1	16	156	73	4.71	1	.03	12	1.20	454	16	.01	54	460	1	1	2	6	1	.03	1	76.5	4	76
L 111+950N 14+850E	.1	2.64	27	44	.1	1	.06	.1	25	272	174	6.13	1	.03	21	1.97	348	19	.01	82	280	1	1	3	4	1	.04	1	82.3	7	103
L 111+950N 14+900E	.1	2.63	43	116	.1	1	.06	.1	36	220	404	5.81	1	.06	22	1.94	536	21	.01	81	620	1	1	3	10	1	.03	1	65.9	5	181
L 111+950N 14+950E	.1	2.51	12	72	.1	1	.05	.1	16	130	131	4.79	1	.04	19	1.43	313	18	.01	54	380	1	1	2	7	1	.02	1	62.2	3	91
L 111+950N 15+000E	.1	2.27	45	94	.1	1	.06	.1	13	112	86	3.36	1	.04	17	1.09	258	15	.01	43	470	1	2	2	9	1	.03	1	56.2	3	62
L 111+950N 15+050E	.9	2.09	79	198	.1	1	.62	.1	83	168	695	4.16	1	.06	23	1.21	995	19	.02	68	640	1	2	2	21	1	.03	1	70.1	6	128
L 111+950N 15+100E	.1	3.03	1	53	.1	1	.08	.1	19	149	111	5.71	1	.03	20	1.26	390	23	.01	57	720	1	6	3	9	1	.03	1	76.8	4	101
L 111+950N 15+150E	.1	3.30	33	59	.1	1	.09	.1	17	153	56	5.18	1	.03	24	1.44	406	20	.01	62	680	1	7	3	10	1	.02	1	62.3	3	89
L 111+950N 15+200E	.1	2.34	45	75	.1	1	.08	.1	13	151	29	4.06	1	.04	20	1.37	330	17	.01	52	480	1	1	2	8	1	.02	1	70.6	4	68
L 111+950N 15+250E	.1	1.41	37	70	.1	1	.07	.1	7	87	20	1.96	1	.02	10	.85	183	9	.01	31	440	1	1	1	10	1	.01	1	38.1	3	35
L 111+950N 15+300E	.1	2.68	75	269	.1	1	.27	.1	16	178	47	3.70	1	.06	23	1.64	570	16	.01	70	750	1	1	2	19	1	.02	1	64.4	5	81
L 111+950N 15+400E	.1	2.06	115	227	.1	1	.86	.1	13	180	116	2.42	1	.04	19	1.50	385	10	.02	59	620	1	1	2	29	1	.02	1	65.3	6	62
L 111+950N 15+450E	.1	2.31	95	256	.1	1	.47	.1	13	126	57	2.77	1	.03	19	1.41	420	12	.02	53	770	1	1	2	24	1	.02	1	51.2	3	85
L 111+950N 15+500E	.4	2.45	113	277	.1	1	.69	.1	13	197	216	2.87	1	.04	21	1.55	357	12	.02	62	1230	1	1	2	31	1	.02	1	72.5	8	91
L 111+950N 15+600E	.1	3.46	175	331	.1	2	.44	.1	20	229	1347	4.11	1	.09	31	2.72	742	16	.01	75	660	1	1	3	25	1	.07	1	136.8	5	81
L 111+950N 15+650E	.1	2.96	155	75	.1	1	.18	.1	21	294	370	3.81	1	.01	26	2.60	415	15	.01	98	420	1	1	2	17	1	.02	1	81.0	8	69

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0092-SJ5+6
DATE: 96/09/06
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 111+950N 15+700E	.1	1.62	64	54	.1	1	.10	.1	12	160	34	2.60	1	.03	17	1.42	275	12	.01	51	540	1	1	2	14	1	.02	1	58.5	4	58
L 111+950N 15+750E	.1	2.69	117	315	.1	1	.62	.1	20	256	148	3.78	1	.03	33	2.46	514	15	.01	85	600	1	1	2	29	1	.03	1	92.1	7	71
L 111+950N 15+800E	.1	3.11	24	62	.1	1	.13	.1	9	33	33	3.16	1	.03	15	.55	311	14	.01	33	1020	9	16	2	26	1	.02	1	39.5	1	75
L 111+950N 15+850E	.1	3.34	14	57	.1	1	.07	.1	9	38	30	3.46	1	.03	15	.54	492	16	.01	27	1590	14	18	2	23	1	.01	1	47.8	1	69
L 111+950N 15+900E	.1	2.23	1	59	.1	1	.13	.1	9	32	25	2.55	1	.03	12	.55	526	12	.01	26	1180	2	10	1	22	1	.01	1	47.4	1	60
L 111+950N 15+950E	.1	2.87	27	71	.1	1	.11	.1	9	35	29	2.88	1	.03	13	.50	475	14	.01	29	1320	11	16	2	24	1	.01	1	44.0	1	67
L 112+000N 14+700E	.1	2.15	28	99	.1	1	.05	.1	12	71	64	3.68	1	.07	16	1.20	376	16	.01	43	420	1	2	2	8	1	.03	1	65.4	1	71
L 112+000N 14+750E	.1	2.80	80	299	.1	1	.43	.1	19	129	135	4.12	1	.19	35	1.93	474	22	.03	80	580	1	1	3	38	1	.05	1	79.6	3	130
L 112+000N 14+800E	.1	2.96	59	408	.1	1	.40	.1	51	208	291	6.15	1	.20	32	2.48	1415	25	.01	121	610	1	1	4	32	1	.04	1	78.8	3	246
L 112+000N 14+850E	.1	3.29	42	72	.1	1	.05	.1	19	166	59	4.75	1	.04	22	1.42	398	22	.01	56	360	1	9	3	12	1	.04	1	73.6	5	108
L 112+000N 14+900E	.1	2.60	1	59	.1	1	.08	.1	23	200	140	5.93	1	.04	16	1.53	397	22	.01	67	430	1	2	3	8	1	.04	1	100.9	6	79
L 112+000N 14+950E	.1	2.56	5	76	.1	1	.08	.1	16	133	81	4.35	1	.05	18	1.15	292	19	.01	50	550	1	6	2	11	1	.03	1	66.5	3	70
L 112+000N 15+000E	.1	2.68	35	75	.1	1	.06	.1	15	135	48	4.31	1	.04	20	1.42	341	18	.01	54	380	1	4	2	9	1	.03	1	67.2	3	75
L 112+000N 15+050E	.1	2.93	28	66	.1	1	.06	.1	17	133	67	4.62	1	.03	22	1.50	394	19	.01	57	500	1	5	3	10	1	.03	1	66.0	3	79
L 112+000N 15+100E	.1	2.53	60	70	.1	1	.08	.1	15	149	68	3.57	1	.04	18	1.36	318	16	.01	57	590	1	4	2	11	1	.03	1	56.8	4	63
L 112+000N 15+150E	.1	2.08	16	59	.1	1	.04	.1	10	88	16	3.56	1	.03	15	.94	318	15	.01	35	330	1	5	2	9	1	.02	1	67.6	2	63
L 112+000N 15+200E	.1	2.27	73	98	.1	1	.12	.1	14	141	58	3.40	1	.03	20	1.51	404	15	.01	55	510	1	1	2	14	1	.02	1	72.8	4	65
L 112+000N 15+250E	.1	2.44	95	121	.1	1	.19	.1	18	173	130	3.56	1	.03	23	1.82	458	15	.01	74	570	1	1	2	18	1	.02	1	68.5	5	86
L 112+000N 15+300E	.1	2.31	106	94	.1	1	.11	.1	13	176	129	3.09	1	.03	20	1.66	312	14	.01	63	610	1	1	2	14	1	.02	1	56.7	5	68
L 112+000N 15+350E	.7	1.23	30	188	.1	1	.51	.1	4	43	46	1.07	1	.04	4	.38	210	6	.03	24	610	1	5	1	25	1	.02	1	16.8	2	29
L 112+000N 15+400E	.1	1.44	46	186	.1	1	.49	.1	5	67	51	1.21	1	.03	6	.52	141	7	.03	26	700	1	5	1	23	1	.02	1	22.4	3	34
L 112+000N 15+450E	.1	1.91	139	73	.1	1	.12	.1	13	209	45	2.20	1	.02	16	1.76	243	10	.01	63	180	1	1	2	13	1	.02	1	50.9	8	48
L 112+000N 15+500E	.1	2.64	144	118	.1	1	.39	.1	19	244	72	3.21	1	.02	22	2.25	994	14	.01	78	950	1	1	2	26	1	.02	1	79.2	8	70
L 112+000N 15+550E	.1	1.51	44	100	.1	1	.25	.1	11	113	38	2.02	1	.02	12	1.13	1491	9	.02	42	740	1	1	1	18	1	.02	1	50.7	4	44
L 112+000N 15+600E	.1	2.48	135	47	.1	1	.06	.1	19	305	74	3.38	1	.02	22	2.51	363	13	.01	89	330	1	1	2	11	1	.03	1	76.1	9	63
L 112+000N 15+650E	.1	2.67	196	34	.1	1	.16	.1	21	403	322	2.77	1	.02	22	2.90	332	13	.01	101	500	1	1	2	16	1	.03	1	68.7	14	52
L 112+000N 15+700E	.1	1.02	18	42	.1	1	.10	.1	8	75	30	1.90	1	.02	7	.76	191	8	.01	30	730	1	1	1	10	1	.02	1	43.2	3	44
L 112+000N 15+750E	.1	2.26	1	77	.1	1	.25	.1	16	39	52	4.08	1	.04	16	.70	553	16	.01	51	1170	16	8	2	26	1	.02	1	45.7	1	106
L 112+000N 15+850E	.1	1.54	1	74	.1	1	.06	.1	7	24	22	2.50	1	.03	8	.36	586	11	.01	24	1090	5	7	1	19	1	.01	1	38.8	1	57
L 112+000N 15+900E	.1	2.75	24	95	.1	1	.19	.1	10	34	31	2.99	1	.05	13	.59	395	14	.01	35	1360	10	14	2	34	1	.02	1	46.0	1	77
L 112+000N 15+950E	.1	3.42	49	88	.1	1	.08	.1	11	32	30	2.52	1	.04	10	.39	928	13	.01	25	1390	40	21	1	25	1	.01	1	40.7	1	57
L 112+000N 16+000E	.1	2.18	28	76	.1	1	.33	.1	14	35	42	3.19	1	.05	19	.89	472	15	.01	43	1260	1	6	2	30	1	.04	1	52.2	1	88
L 112+050N 14+700E	.1	2.58	33	345	.1	1	.43	.1	29	99	148	4.39	1	.13	36	1.58	776	25	.02	70	650	1	1	2	28	1	.04	1	68.8	1	152
L 112+050N 14+750E	.1	3.28	49	145	.1	1	.06	.1	38	286	384	6.68	1	.08	26	2.58	470	23	.01	99	380	1	1	4	9	1	.03	1	78.2	6	185
L 112+050N 14+800E	.1	2.76	33	227	.1	1	.19	.1	31	161	287	4.85	1	.09	25	1.94	636	19	.01	85	530	1	1	3	16	1	.02	1	67.1	3	153
L 112+050N 14+850E	.1	3.16	75	237	.1	1	.12	.1	39	186	447	5.40	1	.09	29	2.23	765	21	.01	96	390	1	1	3	15	1	.03	1	71.3	3	156
L 112+050N 14+900E	.1	2.71	41	96	.1	1	.23	.1	38	125	408	4.47	1	.05	23	1.57	607	19	.01	77	860	1	2	3	14	1	.02	1	52.7	3	116
L 112+050N 14+950E	.1	2.86	59	227	.1	1	.18	.1	38	178	412	4.82	1	.11	31	2.20	755	19	.01	89	520	1	1	3	13	1	.03	1	70.3	3	153
L 112+050N 15+000E	.1	2.72	51	130	.1	1	.13	.1	66	165	643	4.38	1	.06	27	1.84	794	17	.01	75	510	1	1	2	11	1	.02	1	56.6	3	115
L 112+050N 15+100E	.1	2.12	57	109	.1	1	.17	.1	27	173	183	3.76	1	.04	20	1.71	597	14	.01	79	550	1	1	2	15	1	.02	1	60.1	5	95
L 112+050N 15+150E	.1	2.78	12	70	.1	1	.10	.1	16	167	56	5.04	1	.03	22	1.50	355	17	.01	58	610	1	3	3	11	1	.03	1	73.0	4	67
L 112+050N 15+200E	.1	2.88	90	291	.1	1	.29	.1	27	183	90	4.78	1	.09	30	2.31	762	19	.01	108	480	1	1	3	29	1	.03	1	67.3	2	121
L 112+050N 15+250E	.1	2.10	72	55	.1	1	.07	.1	10	117	30	2.88	1	.03	17	1.19	251	12	.01	44	410	1	3	2	11	1	.02	1	54.1	3	51
L 112+050N 15+300E	.1	1.29	39	46	.1	1	.07	.1	7	91	8	1.68	1	.02	8	.76	126	7	.01	29	230	1	2	1	9	1	.02	1	41.8	4	27
L 112+050N 15+350E	.1	1.90	68	70	.1	1	.27	.1	13	117	65	2.97	1	.02	15	1.24	356	12	.01	54	610	1	1	2	21	1	.02	1	53.4	3	76
L 112+050N 15+400E	.1	2.48	154	127	.1	1	.14	.1	18	263	98	2.93	1	.02	22	2.35	363	13	.01	87	270	1	1	2	15	1	.03	1	68.3	8	63

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0092-SJ7+8
DATE: 96/09/06
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 112+050N 15+450E	.3	2.88	168	188	.1	1	.59	.1	20	265	164	3.53	1	.04	30	2.41	601	15	.01	92	1080	1	1	2	21	1	.03	1	79.3	8	81
L 112+050N 15+550E	.2	2.22	162	70	.1	1	.19	.1	16	197	47	2.90	1	.02	24	2.12	329	12	.01	67	170	1	1	2	14	1	.02	1	60.8	6	60
L 112+050N 15+600E	.1	2.28	156	63	.1	1	.17	.1	18	184	86	3.05	1	.02	19	2.05	526	13	.01	65	290	1	1	2	13	1	.03	1	71.5	5	59
L 112+050N 15+650E	.1	2.17	133	95	.1	1	.33	.1	18	163	297	3.19	1	.04	24	1.80	587	13	.01	63	320	1	1	2	14	1	.03	1	89.1	5	58
L 112+050N 15+700E	.2	2.70	126	49	.1	1	.18	.1	17	156	133	3.39	1	.03	19	1.69	364	14	.01	63	460	1	3	2	12	1	.02	1	70.0	5	57
L 112+050N 15+750E	.1	2.12	91	130	.1	1	.22	.1	19	173	209	3.80	1	.03	25	1.51	404	14	.01	78	540	1	1	2	17	1	.02	1	69.9	6	83
L 112+050N 15+800E	.1	1.51	1	53	.1	1	.08	.1	8	29	25	2.64	1	.03	10	.35	466	10	.01	28	970	8	8	1	17	1	.01	1	34.1	1	53
L 112+050N 15+850E	.2	2.63	53	55	.1	1	.15	.1	9	22	24	2.17	1	.03	11	.38	373	11	.01	26	1200	21	16	1	19	1	.02	1	25.0	1	57
L 112+050N 15+900E	.1	1.43	1	58	.1	1	.06	.1	9	25	24	2.97	1	.03	9	.36	390	12	.01	28	1060	4	8	1	15	1	.01	1	40.4	1	73
L 112+050N 15+950E	.1	2.73	54	49	.1	1	.06	.1	7	29	25	2.73	1	.03	9	.32	412	12	.01	21	1500	21	19	1	18	1	.01	1	33.5	1	54
L 112+050N 16+000E	.1	2.08	42	87	.1	1	.16	.1	12	31	40	3.40	1	.05	15	.55	467	16	.01	42	1220	7	11	2	27	1	.01	1	48.8	1	104
L 112+100N 14+700E	.1	3.02	102	340	.1	1	.30	.1	57	156	393	4.49	1	.08	37	1.65	986	22	.01	98	730	1	6	3	23	1	.03	1	66.8	4	160
L 112+100N 14+750E	.2	2.27	75	62	.1	1	.05	.1	13	108	61	3.77	1	.03	21	1.23	288	16	.01	50	320	1	5	2	7	1	.02	1	56.4	3	64
L 112+100N 14+800E	.3	3.34	190	236	.1	1	.18	.1	28	236	304	4.41	1	.05	35	2.73	575	19	.01	114	180	1	1	3	16	1	.04	1	76.1	5	90
L 112+100N 14+850E	.1	2.30	87	246	.1	1	.29	.1	62	118	214	3.74	1	.04	26	1.36	1361	17	.02	65	560	1	3	2	22	1	.02	1	53.2	3	94
L 112+100N 14+900E	.2	2.61	102	232	.1	1	.30	.1	29	160	349	4.43	1	.06	34	1.99	589	19	.01	81	560	1	1	3	18	1	.02	1	66.2	3	116
L 112+100N 14+950E	.1	1.99	68	111	.1	1	.13	.1	22	196	322	4.64	1	.03	20	1.63	309	16	.01	73	320	1	1	3	8	1	.03	1	77.3	6	96
L 112+100N 15+000E	.3	2.85	147	131	.1	1	.26	.1	33	305	871	4.98	1	.03	36	2.53	378	18	.01	122	380	1	1	3	17	1	.03	1	76.6	9	175
L 112+100N 15+050E	.5	2.01	113	57	.1	1	.05	.1	19	202	197	3.47	1	.02	18	1.71	241	13	.01	64	260	1	1	2	9	1	.02	1	58.9	7	85
L 112+100N 15+100E	.4	2.18	144	54	.1	1	.08	.1	17	217	97	3.28	1	.01	21	2.05	252	13	.01	69	70	1	1	2	9	1	.03	1	75.4	7	69
L 112+100N 15+150E	.1	3.86	56	107	.1	1	.03	.1	54	665	505	11.37	1	.03	28	3.96	310	26	.01	136	60	1	1	6	1	1	.04	1	138.4	18	210
L 112+100N 15+200E	.3	2.52	156	35	.1	1	.08	.1	23	317	99	4.02	1	.01	22	2.64	266	14	.01	89	190	1	1	3	11	1	.02	1	72.0	9	86
L 112+100N 15+250E	.3	1.00	30	53	.1	1	.08	.1	8	71	54	1.87	1	.02	6	.63	136	7	.01	30	300	1	2	1	10	1	.02	1	45.5	3	31
L 112+100N 15+300E	.3	1.52	75	79	.1	1	.25	.1	18	92	127	3.07	1	.04	14	1.11	545	13	.01	60	650	1	1	2	16	1	.02	1	50.3	3	78
L 112+100N 15+350E	.1	1.54	95	35	.1	1	.10	.1	10	109	32	2.14	1	.02	12	1.16	212	10	.01	46	340	1	1	1	12	1	.02	1	49.8	4	55
L 112+100N 15+400E	.1	1.38	27	54	.1	1	.13	.1	15	93	42	2.99	1	.03	11	1.03	655	12	.01	53	710	1	1	1	15	1	.02	1	53.2	3	72
L 112+100N 15+450E	.1	2.26	147	22	.1	1	.13	.1	15	188	55	2.93	1	.02	15	1.79	289	12	.01	63	370	1	1	1	10	1	.03	1	65.2	5	46
L 112+100N 15+500E	.1	2.35	148	26	.1	1	.16	.1	15	191	71	3.02	1	.01	16	1.82	285	12	.01	67	430	1	1	1	11	1	.03	1	65.4	5	47
L 112+100N 15+550E	.1	1.86	128	19	.1	1	.10	.1	12	171	37	2.23	1	.01	14	1.47	213	9	.02	55	330	1	1	1	11	1	.02	1	52.3	6	37
L 112+100N 15+600E	.1	2.39	165	50	.1	1	.18	.1	18	266	76	3.21	1	.02	20	2.21	365	13	.01	83	640	1	1	1	18	1	.02	1	88.6	10	62
L 112+100N 15+650E	.1	1.50	84	20	.1	1	.08	.1	10	104	38	2.02	1	.02	9	1.07	168	9	.01	41	400	1	1	1	10	1	.02	1	48.6	4	32
L 112+100N 15+700E	.1	1.69	59	59	.1	1	.12	.1	13	73	86	2.83	1	.03	13	1.17	366	11	.01	40	610	1	1	1	12	1	.03	1	73.9	2	47
L 112+100N 15+750E	.1	2.22	83	75	.1	1	.09	.1	14	111	74	3.09	1	.03	13	1.01	690	12	.01	49	810	1	6	1	15	1	.01	1	53.3	4	57
L 112+100N 15+800E	.1	1.71	1	76	.1	1	.11	.1	11	30	27	2.79	1	.03	11	.41	547	11	.01	32	1040	8	9	1	19	1	.01	1	35.5	1	64
L 112+100N 15+850E	.1	1.62	1	72	.1	1	.13	.1	11	27	33	3.49	1	.03	10	.43	374	12	.01	39	970	2	7	1	20	1	.02	1	40.5	1	89
L 112+100N 15+900E	.1	1.67	1	88	.1	1	.06	.1	11	23	24	3.10	1	.03	7	.30	1101	11	.01	27	1160	13	9	1	16	1	.01	1	38.3	1	65
L 112+100N 15+950E	.1	1.90	1	50	.1	1	.11	.1	12	26	37	3.43	1	.03	12	.45	423	13	.01	38	1010	5	9	1	18	1	.01	1	40.6	1	87
L 112+100N 16+000E	.1	3.90	84	70	.1	1	.11	.1	9	30	28	2.90	1	.03	11	.44	423	15	.01	27	1640	29	26	1	28	1	.01	1	29.7	1	60
L 112+150N 14+700E	.3	1.85	73	211	.1	1	.31	.1	13	84	86	2.72	1	.04	19	1.26	317	12	.01	46	520	1	1	1	22	1	.03	1	47.0	2	74
L 112+150N 14+750E	.1	2.96	104	203	.1	1	.15	.1	22	164	156	4.76	1	.07	36	2.16	431	19	.01	76	120	1	1	2	13	1	.05	1	83.2	3	107
L 112+150N 14+800E	.1	3.52	116	168	.1	1	.09	.1	24	122	276	4.34	1	.08	44	1.87	486	19	.01	86	410	1	7	2	13	1	.05	1	69.8	3	105
L 112+150N 14+850E	.1	2.50	10	105	.1	1	.05	.1	21	164	190	5.85	1	.03	30	1.79	401	20	.01	67	220	1	1	3	5	1	.03	1	84.3	3	94
L 112+150N 14+950E	.4	2.34	78	57	.1	1	.03	.1	14	137	107	4.77	1	.02	15	2.01	304	24	.01	41	200	1	1	2	8	1	.14	1	228.7	5	99
L 112+150N 15+000E	.1	3.83	198	314	.1	1	.24	.1	68	590	428	5.84	1	.16	64	4.08	942	18	.01	191	30	1	1	4	22	1	.05	1	108.9	19	236
L 112+150N 15+050E	.1	3.77	82	80	.1	1	.09	.1	43	520	787	7.92	1	.02	47	3.70	430	21	.01	154	130	1	1	4	8	1	.04	1	117.4	19	203
L 112+150N 15+100E	.3	2.44	205	286	.1	1	.33	.1	26	398	655	3.26	1	.08	48	2.87	359	13	.01	135	280	1	1	2	16	1	.04	1	75.4	14	104
L 112+150N 15+150E	.1	2.33	199	52	.1	1	.18	.1	19	276	180	2.90	1	.01	30	2.68	292	12	.01	99	10	1	1	2	14	1	.03	1	60.3	8	75
L 112+150N 15+200E	.1	5.19	1	96	.1	1	.25	.1	85	734	676	12.56	1	.04	48	6.05	643	28	.01	210	10	1	1	6	6	1	.03	1	153.9	13	150

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0092-SJ9+10
DATE: 96/09/06
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 112+150N 15+250E	.1	3.35	234	81	.1	1	.20	.1	29	445	758	4.37	1	.01	48	4.03	529	16	.01	153	120	1	1	3	16	1	.05	1	114.3	13	127
L 112+150N 15+300E	.1	2.07	73	41	.1	1	.10	.1	14	217	77	3.82	1	.02	15	1.67	260	13	.01	64	80	1	1	2	7	1	.04	1	85.1	8	56
L 112+150N 15+350E	.1	2.12	108	38	.1	1	.11	.1	16	206	110	3.37	1	.02	19	1.83	265	11	.01	73	170	1	1	2	10	1	.04	1	65.4	7	59
L 112+150N 15+400E	.1	1.56	45	40	.1	1	.14	.1	20	119	141	3.16	1	.03	12	1.19	425	12	.02	60	620	1	1	2	10	1	.01	1	56.7	4	66
L 112+150N 15+450E	.1	1.84	77	68	.1	1	.15	.1	13	127	82	2.85	1	.02	13	1.23	296	11	.01	55	660	1	1	2	16	1	.01	1	53.2	4	57
L 112+150N 15+500E	.1	1.49	86	16	.1	1	.08	.1	11	199	31	1.92	1	.01	10	1.37	215	8	.02	60	260	1	1	1	6	1	.01	1	42.9	8	29
L 112+150N 15+550E	.1	2.95	196	16	.1	1	.08	.1	21	484	36	3.46	1	.01	23	2.87	304	14	.01	125	230	1	1	2	11	1	.02	1	77.5	19	48
L 112+150N 15+600E	.1	3.03	174	30	.1	1	.09	.1	24	462	36	4.10	1	.01	27	3.15	337	15	.01	135	130	1	1	3	12	1	.02	1	88.5	17	59
L 112+150N 15+650E	.1	2.04	167	74	.1	1	.48	.1	15	277	42	2.47	1	.02	18	2.07	287	11	.02	80	580	1	1	2	22	1	.01	1	60.7	11	43
L 112+150N 15+700E	.1	2.10	115	74	.1	1	.15	.1	16	247	44	3.30	1	.02	17	1.75	364	13	.01	75	440	1	1	2	17	1	.02	1	62.9	9	52
L 112+150N 15+750E	.1	1.09	1	45	.1	1	.09	.1	5	40	13	1.74	1	.02	4	.34	267	6	.02	19	760	4	4	1	13	1	.01	1	27.3	1	34
L 112+150N 15+800E	.1	2.13	1	72	.1	1	.08	.1	7	40	23	4.07	1	.03	7	.39	253	12	.01	25	1510	5	12	2	16	1	.01	1	43.6	1	57
L 112+150N 15+850E	.1	2.14	1	70	.1	1	.14	.1	9	32	28	3.79	1	.04	10	.43	306	13	.01	30	1710	6	11	2	19	1	.01	1	34.1	1	71
L 112+150N 15+900E	.1	1.33	1	96	.1	1	.08	.1	11	23	24	3.31	1	.04	3	.25	1212	11	.01	29	1440	20	6	1	14	1	.01	1	43.3	1	78
L 112+150N 15+950E	.1	1.49	1	56	.1	1	.07	.1	10	20	28	3.33	1	.03	7	.33	619	11	.01	30	1060	3	7	1	10	1	.01	1	38.9	1	71
L 112+150N 16+000E	.1	2.53	1	174	.1	1	.07	.1	19	24	23	2.87	1	.04	7	.36	2718	12	.01	28	2260	80	16	2	19	1	.01	1	27.8	1	59
L 112+200N 14+750E	.1	3.32	143	352	.1	1	.26	.1	27	273	333	4.53	1	.04	40	2.71	608	18	.01	112	260	1	1	3	23	1	.03	1	87.7	8	150
L 112+200N 14+800E	.1	3.22	121	142	.1	1	.06	.1	23	172	158	4.68	1	.07	35	2.55	527	19	.01	72	260	1	1	3	8	1	.05	1	98.1	3	113
L 112+200N 14+900E	.1	2.60	110	145	.1	1	.14	.1	21	258	113	4.57	1	.04	25	2.48	337	18	.01	86	120	1	1	3	11	1	.04	1	91.8	7	88
L 112+200N 14+950E	.1	2.75	142	62	.1	1	.09	.1	21	303	72	4.16	1	.02	28	2.75	343	15	.01	94	60	1	1	3	8	1	.04	1	84.2	9	88
L 112+200N 15+000E	.1	2.35	140	40	.1	1	.07	.1	15	219	32	3.20	1	.01	15	1.91	254	12	.01	63	80	1	1	2	8	1	.03	1	85.6	8	64
L 112+200N 15+100E	.1	2.68	124	32	.1	1	.08	.1	18	290	65	3.98	1	.01	21	2.46	305	15	.01	86	60	1	1	3	7	1	.04	1	86.9	10	71
L 112+200N 15+150E	.1	4.62	161	49	.1	1	.06	.1	52	396	300	7.76	1	.02	47	4.92	788	23	.01	154	50	1	1	5	9	1	.04	1	132.5	5	234
L 112+200N 15+200E	.1	4.59	198	123	.1	1	.20	.1	134	452	536	6.74	1	.03	73	5.44	1377	23	.01	350	40	1	1	5	17	1	.09	1	145.8	7	130
L 112+200N 15+250E	.1	3.00	201	59	.1	1	.32	.1	31	318	1031	3.05	1	.01	43	3.04	508	13	.01	165	260	1	1	2	18	1	.03	1	77.7	11	103
L 112+200N 15+300E	.1	2.06	175	110	.1	1	.21	.1	20	257	839	2.50	1	.04	24	2.49	295	10	.01	104	80	1	1	2	13	1	.04	1	65.8	9	71
L 112+200N 15+350E	.1	2.14	119	33	.1	1	.08	.1	12	178	65	2.63	1	.01	14	1.67	225	11	.01	53	100	1	1	2	9	1	.04	1	72.2	5	42
L 112+200N 15+400E	.1	2.98	121	57	.1	1	.10	.1	80	393	681	5.44	1	.05	40	3.15	714	18	.01	302	120	1	1	3	9	1	.05	1	108.0	12	168
L 112+200N 15+450E	.1	2.20	109	43	.1	1	.29	.1	25	216	536	3.29	1	.02	18	2.18	329	12	.01	94	140	1	1	2	13	1	.04	1	79.9	7	72
L 112+200N 15+500E	.1	2.05	124	12	.1	1	.08	.1	16	241	127	2.95	1	.01	14	2.08	238	11	.01	72	110	1	1	2	7	1	.03	1	73.2	9	52
L 112+200N 15+550E	.1	2.56	129	42	.1	1	.19	.1	20	214	134	2.97	1	.03	17	1.92	504	12	.01	80	450	1	1	2	16	1	.02	1	53.7	7	57
L 112+200N 15+600E	.1	2.46	177	52	.1	1	.81	.1	18	284	176	2.43	1	.06	17	2.09	370	11	.02	81	420	1	1	2	25	1	.01	1	58.8	11	49
L 112+200N 15+650E	.1	1.86	108	102	.1	1	.43	.1	15	220	53	2.36	1	.02	18	1.51	541	11	.01	63	750	1	1	1	27	1	.01	1	64.9	8	48
L 112+200N 15+700E	.1	1.47	52	39	.1	1	.10	.1	11	135	69	2.31	1	.02	12	1.15	201	10	.01	51	330	1	1	1	12	1	.01	1	45.1	5	48
L 112+200N 15+750E	.1	2.15	1	55	.1	1	.08	.1	10	62	34	3.60	1	.03	12	.61	500	13	.01	36	1050	1	9	2	14	1	.01	1	48.6	1	63
L 112+200N 15+800E	.1	1.89	1	88	.1	1	.23	.1	15	57	50	3.55	1	.04	15	.84	495	14	.01	50	890	1	5	2	21	1	.02	1	45.8	1	89
L 112+200N 15+850E	.1	2.10	1	55	.1	1	.11	.1	10	33	30	3.21	1	.03	13	.53	332	12	.01	36	930	1	10	2	18	1	.01	1	40.9	1	70
L 112+200N 15+900E	.1	2.12	1	70	.1	1	.12	.1	13	40	44	4.16	1	.03	14	.64	408	16	.01	47	1010	16	7	2	17	1	.01	1	48.1	1	99
L 112+200N 15+950E	.1	1.72	1	55	.1	1	.08	.1	9	29	27	3.01	1	.03	10	.40	338	11	.01	30	980	5	8	1	16	1	.01	1	40.4	1	64
L 112+200N 16+000E	.1	2.07	1	156	.1	1	.17	.1	23	41	67	5.88	1	.08	18	.79	1141	23	.01	74	930	10	5	3	36	1	.01	1	74.6	1	170
L 112+250N 14+700E	.1	2.50	92	49	.1	1	.07	.1	19	238	62	4.06	1	.02	23	2.09	300	14	.01	72	120	1	1	2	7	1	.04	1	84.6	8	69
L 112+250N 14+750E	.1	3.51	161	115	.1	1	.11	.1	31	367	140	5.38	1	.03	45	3.31	493	19	.01	113	110	1	1	3	11	1	.04	1	97.0	9	117
L 112+250N 14+800E	.1	2.60	139	94	.1	1	.12	.1	18	239	45	3.59	1	.02	25	2.31	340	15	.01	74	40	1	1	2	13	1	.04	1	82.2	8	84
L 112+250N 14+850E	.1	3.39	138	209	.1	1	.19	.1	40	267	345	5.18	1	.03	49	2.55	562	21	.01	110	340	1	1	3	17	1	.05	1	88.1	7	112
L 112+250N 14+900E	.1	1.58	89	74	.1	1	.08	.1	11	138	35	1.93	1	.02	12	1.38	173	9	.01	45	140	1	1	1	11	1	.02	1	52.2	5	44
L 112+250N 14+950E	.1	2.17	90	200	.1	1	.14	.1	66	207	170	3.78	1	.04	28	1.57	1157	14	.01	78	410	1	1	2	17	1	.05	1	79.6	8	74
L 112+250N 15+000E	.3	1.40	106	146	.1	1	.12	.1	14	130	89	1.31	1	.03	14	1.05	233	7	.01	45	130	1	1	1	15	1	.02	1	26.7	6	31
L 112+250N 15+050E	.1	2.34	141	123	.1	1	.12	.1	37	236	246	3.24	1	.02	29	2.11	501	13	.01	89	130	1	1	2	17	1	.04	1	75.2	8	73

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0092-SJ11
DATE: 96/09/06
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 112+250N 15+100E	.1	1.43	64	29	.1	1	.05	.1	8	95	62	1.65	1	.01	11	1.00	145	7	.02	35	130	1	1	1	8	1	.03	1	45.8	4	35
L 112+250N 15+200E	.1	2.05	73	77	.1	1	.15	.1	11	134	238	2.15	1	.02	12	1.06	159	9	.01	44	420	1	4	1	16	1	.04	1	53.0	6	36
L 112+250N 15+300E	.1	1.75	133	77	.1	1	.12	.1	15	197	597	2.50	1	.02	14	1.98	247	10	.01	76	140	1	1	2	10	1	.04	1	76.8	6	60
L 112+250N 15+350E	.1	1.58	53	58	.1	1	.09	.1	11	89	307	2.40	1	.02	7	1.21	185	9	.01	39	760	1	1	1	10	1	.03	1	62.1	3	39
L 112+250N 15+400E	.1	1.71	155	22	.1	1	.08	.1	13	221	172	2.22	1	.02	17	2.03	229	9	.01	69	70	1	1	2	8	1	.04	1	57.4	8	67
L 112+250N 15+450E	.1	.87	14	31	.1	1	.18	.1	1	21	148	.47	1	.01	1	.13	32	2	.03	5	270	1	4	1	14	1	.02	1	9.2	1	6
L 112+250N 15+500E	.1	2.43	219	32	.1	1	.13	.1	20	416	70	2.86	1	.01	23	3.25	312	12	.01	124	50	1	1	2	13	1	.04	1	65.6	14	54
L 112+250N 15+550E	.1	.84	40	19	.1	1	.06	.1	5	80	18	1.27	1	.01	3	.68	110	5	.02	27	370	1	1	1	7	1	.01	1	26.5	4	22
L 112+250N 15+600E	.1	1.48	69	41	.1	1	.13	.1	9	119	65	1.72	1	.02	9	.98	200	8	.02	44	540	1	1	1	12	1	.02	1	37.1	5	34
L 112+250N 15+650E	.1	1.35	4	43	.1	1	.20	.1	8	95	44	2.39	1	.02	7	.70	297	8	.01	32	610	1	1	1	11	1	.01	1	43.3	4	39
L 112+250N 15+700E	.1	1.64	11	40	.1	1	.08	.1	10	113	29	2.99	1	.02	9	.91	262	10	.01	44	590	1	1	1	11	1	.02	1	51.5	4	44
L 112+250N 15+750E	.1	1.28	1	59	.1	1	.07	.1	6	40	18	2.04	1	.03	5	.39	419	7	.01	20	910	1	4	1	15	1	.01	1	33.0	2	39
L 112+250N 15+800E	.1	1.01	1	46	.1	1	.06	.1	7	35	23	2.35	1	.03	5	.40	244	7	.01	25	830	1	1	1	10	1	.01	1	30.6	1	52
L 112+250N 15+850E	.1	1.55	1	109	.1	1	.18	.1	7	30	24	3.40	1	.04	6	.35	284	10	.01	22	1430	1	5	2	23	1	.01	1	36.9	1	62
L 112+250N 15+900E	.1	1.78	1	81	.1	1	.10	.1	16	49	44	3.98	1	.03	14	.73	537	14	.01	53	820	1	4	2	16	1	.02	1	44.7	1	95
L 112+250N 15+950E	.1	1.83	1	61	.1	1	.13	.1	12	32	34	3.06	1	.03	9	.50	526	12	.01	35	920	4	7	2	16	1	.01	1	37.6	1	75
L 112+250N 16+000E	.1	2.52	1	90	.1	1	.11	.1	15	37	50	4.31	1	.05	17	.78	580	18	.01	52	980	10	8	2	22	1	.02	1	55.9	1	106

(713)

COMP: COLUMBIA GOLD MINES
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0109-SJ1+2
DATE: 96/09/10
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 112600N 14700E	.1	2.31	39	42	.1	1	.06	.1	17	195	50	4.30	1	.02	21	1.28	146	14	.01	56	250	1	1	2	6	1	.04	1	75.5	6	37
L 112600N 14750E	.1	2.99	84	32	.1	1	.04	.1	39	322	138	6.63	1	.02	28	2.76	357	20	.01	100	250	1	1	3	2	1	.03	1	122.6	9	62
L 112600N 14800E	.1	1.44	62	42	.1	1	.06	.1	15	128	129	2.58	1	.03	17	1.31	185	10	.01	56	150	1	1	1	7	1	.04	1	49.0	5	54
L 112600N 14850E	.1	1.58	78	45	.1	1	.05	.1	12	154	128	2.50	1	.02	17	1.38	140	9	.01	54	260	1	1	1	7	1	.03	1	49.4	6	49
L 112600N 14900E	.1	1.40	77	44	.1	1	.04	.1	8	120	76	1.86	1	.02	11	1.09	139	7	.01	42	240	1	1	1	9	1	.02	1	35.5	5	47
L 112600N 14950E	.1	2.06	101	122	.1	1	.09	.1	14	153	254	3.50	1	.05	26	1.71	198	12	.01	60	230	1	1	2	8	1	.04	1	54.3	4	59
L 112600N 15000E	.1	1.49	79	41	.1	1	.07	.1	12	133	193	2.13	1	.02	18	1.31	179	10	.01	61	150	1	1	1	7	1	.03	1	47.3	5	51
L 112600N 15050E	.1	1.56	89	38	.1	1	.07	.1	10	126	176	2.10	1	.02	15	1.27	146	8	.01	54	160	1	1	1	7	1	.03	1	46.8	5	40
L 112600N 15100E	.1	.92	14	114	.1	1	.06	.1	20	62	132	1.47	1	.02	4	.44	518	5	.01	23	440	1	1	1	9	1	.02	1	29.3	3	23
L 112600N 15150E	.1	1.12	27	53	.1	1	.05	.1	8	85	95	1.61	1	.02	6	.52	216	6	.01	29	370	1	2	1	7	1	.02	1	34.7	5	24
L 112600N 15200E	.1	1.44	68	92	.1	1	.06	.1	9	136	98	1.83	1	.03	8	.87	385	7	.01	41	520	1	1	1	9	1	.02	1	47.4	7	37
L 112600N 15250E	.1	2.13	171	44	.1	1	.13	.1	14	233	109	2.12	1	.01	15	1.71	249	10	.01	77	240	1	1	2	20	1	.03	1	47.6	9	43
L 112600N 15300E	.1	1.86	151	54	.1	1	.13	.1	16	219	85	2.41	1	.02	16	1.60	298	10	.01	77	220	1	1	2	15	1	.03	1	54.4	8	43
L 112600N 15400E	.1	1.92	172	38	.1	1	.11	.1	18	276	151	2.69	1	.02	15	2.21	316	11	.01	93	130	1	1	2	13	1	.03	1	60.6	11	43
L 112600N 15450E	.1	1.97	176	36	.1	1	.08	.1	25	279	98	2.75	1	.02	13	2.18	650	11	.01	100	200	1	1	2	11	1	.03	1	56.8	11	44
L 112600N 15500E	.1	1.53	115	59	.1	1	.21	.1	13	189	111	2.00	1	.02	14	1.47	295	9	.01	71	220	1	1	1	12	1	.03	1	47.5	7	35
L 112600N 15550E	.1	1.31	84	30	.1	1	.09	.1	11	149	41	1.72	1	.01	10	1.15	296	7	.01	57	230	1	1	1	9	1	.02	1	40.3	7	29
L 112600N 15600E	.1	1.31	71	41	.1	1	.18	.1	11	122	81	1.78	1	.02	10	1.04	319	7	.01	46	360	1	1	1	11	1	.02	1	39.3	5	31
L 112600N 15650E	.1	1.14	50	39	.1	1	.09	.1	8	90	42	1.46	1	.01	6	.70	174	6	.01	36	320	1	1	1	11	1	.02	1	29.4	4	28
L 112600N 15700E	.1	1.53	64	49	.1	1	.22	.1	8	63	95	1.43	1	.02	7	.65	315	6	.01	31	470	1	5	1	14	1	.02	1	34.7	4	41
L 112600N 15750E	.1	1.52	67	39	.1	1	.16	.1	10	82	90	1.86	1	.02	8	1.02	260	8	.01	42	280	1	1	1	13	1	.02	1	42.4	3	38
L 112600N 15800E	.1	1.59	72	42	.1	1	.17	.1	8	63	64	1.61	1	.01	6	.83	201	7	.01	33	450	1	4	1	16	1	.02	1	35.4	3	30
L 112600N 15850E	.1	1.59	22	52	.1	1	.15	.1	12	50	47	2.32	1	.03	8	.64	554	8	.01	35	710	1	5	1	14	1	.02	1	33.3	2	51
L 112600N 15900E	.1	1.92	25	51	.1	1	.12	.1	12	57	53	2.84	1	.02	12	.80	345	12	.01	44	570	1	6	2	14	1	.02	1	38.7	2	63
L 112600N 15950E	.1	1.83	6	58	.1	1	.08	.1	15	69	45	3.51	1	.03	13	.80	856	12	.01	52	890	1	3	2	12	1	.02	1	48.7	2	77
L 112600N 16000E	.1	1.81	6	59	.1	1	.10	.1	16	76	60	3.94	1	.02	14	.90	677	14	.01	62	690	1	3	2	13	1	.02	1	53.0	2	85
L 112650N 14700E	.1	2.89	111	51	.1	1	.06	.1	42	315	246	5.34	1	.03	45	2.42	276	17	.01	137	170	1	1	3	7	1	.04	1	96.7	11	58
L 112650N 14750E	.1	1.55	52	38	.1	1	.05	.1	17	131	40	2.99	1	.02	16	1.14	325	10	.01	49	170	1	1	1	6	1	.03	1	61.9	5	36
L 112650N 14800E	.1	1.35	72	51	.1	1	.04	.1	13	81	93	2.34	1	.03	13	1.06	120	11	.01	38	230	1	1	1	7	1	.02	1	43.4	3	29
L 112650N 14850E	.1	.77	68	44	.1	1	.09	.1	8	58	164	.95	1	.02	7	.56	95	4	.02	31	370	1	1	1	10	1	.01	1	17.6	2	27
L 112650N 14900E	.1	2.18	139	100	.1	1	.06	.1	18	202	255	3.19	1	.04	27	1.85	193	12	.01	68	230	1	1	2	9	1	.03	1	60.0	6	75
L 112650N 14950E	.1	2.09	134	81	.1	1	.05	.1	18	226	232	3.63	1	.04	29	1.96	169	12	.01	67	90	1	1	2	7	1	.04	1	70.0	6	71
L 112650N 15000E	.1	1.03	62	27	.1	1	.07	.1	9	85	150	1.58	1	.02	10	.78	129	6	.01	52	270	1	1	1	8	1	.03	1	31.9	4	32
L 112650N 15050E	.1	1.00	84	27	.1	1	.06	.1	8	96	112	1.38	1	.02	9	.86	122	6	.01	39	220	1	1	1	9	1	.03	1	30.1	5	27
L 112650N 15100E	.1	1.29	79	62	.1	1	.11	.1	16	115	183	2.00	1	.02	11	.94	283	8	.01	44	320	1	1	1	12	1	.03	1	40.8	5	32
L 112650N 15150E	.1	1.48	116	140	.1	1	.17	.1	13	165	220	1.95	1	.02	14	1.40	280	9	.01	62	200	1	1	1	14	1	.03	1	46.3	6	40
L 112650N 15200E	.1	1.62	68	87	.1	1	.10	.1	10	125	57	2.13	1	.03	9	.81	369	8	.01	39	510	1	3	1	14	1	.03	1	43.6	6	35
L 112650N 15250E	.1	1.68	122	201	.1	1	.16	.1	14	214	79	2.26	1	.03	16	1.59	260	9	.01	69	160	1	1	1	16	1	.04	1	54.0	8	41
L 112650N 15300E	.1	1.55	125	72	.1	1	.15	.1	18	236	121	2.13	1	.02	18	1.57	238	10	.01	136	160	1	1	1	13	1	.03	1	50.9	9	37
L 112650N 15350E	.1	1.70	110	72	.1	1	.18	.1	23	250	135	2.55	1	.02	14	1.66	1108	10	.01	95	610	1	1	1	15	1	.02	1	64.5	10	47
L 112650N 15400E	.1	1.76	137	44	.1	1	.15	.1	15	233	91	2.32	1	.02	13	1.92	352	10	.01	76	230	1	1	1	11	1	.03	1	60.5	8	39
L 112650N 15450E	.1	1.32	87	39	.1	1	.07	.1	17	154	96	2.17	1	.01	9	1.26	239	8	.01	67	270	1	1	1	9	1	.02	1	48.1	6	33
L 112650N 15500E	.1	1.36	116	38	.1	1	.09	.1	12	161	101	1.98	1	.01	12	1.33	231	9	.01	62	180	1	1	1	9	1	.02	1	48.5	6	33
L 112650N 15550E	.1	1.51	132	56	.1	1	.19	.1	13	221	65	2.09	1	.02	11	1.53	337	10	.01	71	430	1	1	1	15	1	.02	1	50.3	9	45
L 112650N 15600E	.1	1.09	78	49	.1	1	.17	.1	9	100	49	1.34	1	.02	7	.82	380	7	.01	35	470	1	1	1	14	1	.02	1	27.2	5	28
L 112650N 15650E	.1	1.21	83	49	.1	1	.15	.1	9	112	32	1.64	1	.02	6	.96	305	8	.01	44	370	1	1	1	13	1	.02	1	32.5	5	31
L 112650N 15700E	.1	.68	49	22	.1	1	.07	.1	4	36	18	.74	1	.01	2	.37	61	3	.02	15	310	1	1	1	9	1	.02	1	15.2	1	14
L 112650N 15750E	.1	2.39	86	31	.1	1	.14	.1	6	35	57	1.33	1	.02	3	.38	317	8	.01	15	770	4	13	1	16	1	.02	1	22.9	2	29

COMP: COLUMBIA GOLD MINES
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0109-SJ3+4
DATE: 96/09/10
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 112650N 15800E	.1	1.15	68	23	.1	1	.11	.1	4	32	61	.86	1	.01	2	.34	74	4	.02	15	740	1	4	1	15	1	.01	1	16.2	1	15
L 112650N 15850E	.1	2.20	101	61	.1	1	.26	.1	13	65	205	2.15	1	.02	8	.95	553	10	.01	38	910	1	6	1	21	1	.02	1	42.3	2	54
L 112650N 15900E	.1	1.58	49	43	.1	1	.15	.1	12	76	148	2.72	1	.03	11	.88	367	11	.01	48	940	1	1	1	15	1	.01	1	44.2	2	61
L 112650N 15950E	.1	1.96	43	48	.1	1	.11	.1	11	50	45	2.85	1	.03	14	.72	338	12	.01	40	740	1	6	1	14	1	.03	1	43.1	1	65
L 112650N 16000E	.1	1.71	18	72	.1	1	.15	.1	14	54	55	3.39	1	.03	14	.81	488	12	.01	48	710	1	2	2	15	1	.03	1	48.0	1	77
L 112700N 14700E	.1	1.71	52	73	.1	1	.05	.1	22	167	202	3.56	1	.03	27	1.34	191	12	.01	70	260	1	1	2	6	1	.04	1	66.3	6	38
L 112700N 14750E	.1	3.44	96	32	.1	1	.03	.1	45	320	220	7.50	1	.02	35	3.06	272	23	.01	112	30	1	1	4	3	1	.03	1	122.4	6	55
L 112700N 14800E	.1	1.84	62	45	.1	1	.09	.1	9	50	73	2.22	1	.02	10	.59	185	9	.01	31	380	1	6	1	11	1	.03	1	48.7	2	40
L 112700N 14850E	.1	1.26	103	34	.1	1	.06	.1	13	122	142	1.84	1	.02	17	1.18	191	8	.01	66	110	1	1	1	9	1	.03	1	38.9	5	54
L 112700N 14900E	.1	2.26	132	55	.1	1	.06	.1	19	251	309	4.24	1	.03	27	2.10	182	15	.01	77	170	1	1	2	7	1	.04	1	74.1	9	67
L 112700N 14950E	.1	3.27	182	298	.1	1	.04	.1	24	450	348	6.21	1	.24	32	3.58	396	19	.01	101	10	1	1	3	8	1	.03	1	102.4	14	159
L 112700N 15000E	.1	1.48	108	39	.1	1	.10	.1	11	133	285	2.02	1	.02	13	1.15	161	8	.01	62	200	1	1	1	11	1	.04	1	46.2	6	38
L 112700N 15050E	.1	1.18	92	32	.1	1	.07	.1	8	101	156	1.47	1	.02	7	.78	180	7	.01	34	350	1	1	1	10	1	.02	1	31.8	5	28
L 112700N 15100E	.1	1.35	80	39	.1	1	.10	.1	12	92	208	2.05	1	.02	11	.81	260	8	.01	39	310	1	1	1	11	1	.03	1	42.5	4	37
L 112700N 15150E	.1	1.19	69	46	.1	1	.07	.1	8	116	31	1.89	1	.02	7	.75	181	7	.01	37	390	1	1	1	10	1	.02	1	41.8	5	27
L 112700N 15200E	.1	1.47	110	202	.1	1	.15	.1	15	140	169	2.10	1	.03	15	1.16	471	9	.01	52	300	1	1	1	16	1	.04	1	48.6	6	42
L 112700N 15250E	.1	1.60	155	229	.1	1	.22	.1	17	242	68	2.20	1	.03	19	1.62	341	9	.01	81	210	1	1	1	16	1	.04	1	55.3	9	40
L 112700N 15300E	.1	2.04	201	322	.1	1	.33	.1	19	274	111	2.55	1	.04	21	1.91	449	11	.01	94	220	1	1	2	17	1	.04	1	62.8	11	45
L 112700N 15350E	.1	1.73	142	85	.1	1	.24	.1	15	249	123	2.22	1	.02	18	1.62	324	10	.01	120	200	1	1	1	14	1	.03	1	58.1	10	35
L 112700N 15400E	.1	1.57	131	51	.1	1	.14	.1	19	246	93	2.38	1	.02	14	1.66	304	11	.01	96	200	1	1	1	12	1	.03	1	56.2	9	42
L 112700N 15450E	.1	1.88	167	40	.1	1	.08	.1	22	247	170	2.80	1	.02	13	1.84	342	11	.01	99	340	1	1	2	11	1	.03	1	62.8	8	45
L 112700N 15500E	.1	1.58	116	43	.1	1	.09	.1	12	137	111	2.01	1	.02	11	1.24	238	8	.01	61	300	1	1	1	13	1	.02	1	46.1	6	39
L 112700N 15600E	.1	1.64	118	39	.1	1	.12	.1	12	134	129	1.76	1	.02	10	1.05	231	8	.01	54	310	1	1	1	14	1	.03	1	39.9	6	33
L 112700N 15650E	.1	1.82	49	45	.1	1	.19	.1	15	82	50	2.88	1	.02	9	.81	404	10	.01	37	440	1	4	1	15	1	.03	1	59.1	3	45
L 112700N 15700E	.1	1.59	103	39	.1	1	.20	.1	9	60	61	1.49	1	.02	6	.85	221	7	.01	28	350	1	1	1	14	1	.03	1	30.5	2	31
L 112700N 15750E	.1	1.71	97	40	.1	1	.24	.1	9	66	79	1.59	1	.02	7	.89	215	7	.01	31	330	1	2	1	15	1	.02	1	31.2	3	29
L 112700N 15800E	.1	2.39	99	62	.1	1	.31	.1	11	70	89	2.11	1	.02	7	.86	659	10	.01	33	990	1	9	1	22	1	.01	1	41.8	3	39
L 112700N 15850E	.1	1.66	68	74	.1	1	.32	.1	12	49	75	1.81	1	.02	4	.70	1594	8	.02	26	1100	1	5	1	20	1	.01	1	39.5	2	37
L 112700N 15900E	.1	2.04	93	64	.1	1	.20	.1	11	67	83	1.87	1	.02	8	.75	475	9	.01	35	930	1	7	1	20	1	.01	1	29.5	3	58
L 112700N 15950E	.1	1.85	36	65	.1	1	.15	.1	12	34	32	2.98	1	.03	14	.64	406	11	.01	38	790	1	6	1	17	1	.02	1	37.3	1	71
L 112700N 16000E	.1	1.97	35	61	.1	1	.09	.1	10	29	30	2.97	1	.03	15	.59	390	12	.01	34	1080	1	7	1	17	1	.01	1	38.1	1	72
L 112750N 14700E	.1	2.09	143	45	.1	1	.07	.1	17	153	109	2.97	1	.02	27	1.49	214	11	.01	69	220	1	1	2	8	1	.03	1	54.2	5	44
L 112750N 14750E	.1	2.67	159	83	.1	1	.04	.1	24	243	93	4.03	1	.04	32	2.42	199	16	.01	80	110	1	1	2	9	1	.03	1	72.7	6	49
L 112750N 14800E	.1	1.29	82	44	.1	1	.06	.1	10	71	51	2.04	1	.02	15	1.02	171	8	.01	36	110	1	1	1	6	1	.04	1	48.8	2	40
L 112750N 14850E	.1	2.13	141	78	.1	1	.08	.1	21	149	229	2.93	1	.04	27	1.51	327	12	.01	78	390	1	1	2	12	1	.03	1	50.5	5	73
L 112750N 14900E	.1	2.19	173	73	.1	1	.05	.1	20	232	252	3.27	1	.06	26	2.16	240	12	.01	85	80	1	1	2	8	1	.03	1	57.2	8	86
L 112750N 14950E	.1	1.21	86	57	.1	1	.11	.1	11	117	264	2.14	1	.04	18	1.14	146	9	.02	73	140	1	1	1	8	1	.03	1	40.8	5	48
L 112750N 15000E	.1	1.64	106	73	.1	1	.15	.1	17	129	436	2.21	1	.04	19	1.27	195	10	.01	77	180	1	1	1	18	1	.03	1	46.0	5	49
L 112750N 15050E	.1	.85	94	19	.1	1	.05	.1	7	108	99	1.05	1	.01	6	.81	102	5	.01	33	150	1	1	1	7	1	.02	1	26.1	5	21
L 112750N 15100E	.1	1.43	108	42	.1	1	.15	.1	12	131	293	1.74	1	.02	12	1.09	213	8	.01	58	220	1	1	1	11	1	.03	1	41.3	6	37
L 112750N 15200E	.1	1.70	128	89	.1	1	.19	.1	13	186	116	2.02	1	.03	16	1.37	249	9	.01	65	270	1	1	1	15	1	.03	1	45.9	7	40
L 112750N 15250E	.1	1.89	206	106	.1	1	.23	.1	19	381	126	2.55	1	.03	19	2.13	235	11	.01	109	50	1	1	2	14	1	.03	1	55.0	16	33
L 112750N 15300E	.2	2.88	289	157	.1	1	.17	.1	26	500	145	3.11	1	.03	32	3.52	552	13	.01	142	70	1	1	2	19	1	.04	1	86.5	19	51
L 112750N 15350E	.1	1.84	147	133	.1	1	.17	.1	16	282	49	2.28	1	.02	22	1.78	291	10	.01	83	160	1	1	1	16	1	.04	1	54.6	13	40
L 112750N 15400E	.1	1.55	136	67	.1	1	.16	.1	15	230	52	2.04	1	.02	17	1.49	418	9	.01	77	210	1	1	1	15	1	.03	1	50.6	9	44
L 112750N 15450E	.1	1.97	172	47	.1	1	.07	.1	19	235	214	3.06	1	.02	14	1.82	318	13	.01	97	220	1	1	2	11	1	.03	1	63.5	8	44
L 112750N 15500E	.1	1.40	123	49	.1	1	.15	.1	18	147	109	2.13	1	.02	12	1.35	305	9	.01	76	250	1	1	1	14	1	.03	1	46.7	6	41
L 112750N 15550E	.1	1.69	118	41	.1	1	.09	.1	13	163	66	2.06	1	.02	12	1.30	301	9	.01	64	330	1	1	1	12	1	.02	1	46.7	7	38

COMP: COLUMBIA GOLD MINES
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0109-SJ5+6
DATE: 96/09/10
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 112750N 15600E	.1	1.33	103	39	.1	1	.14	.1	10	110	64	1.65	1	.02	9	1.06	230	7	.01	46	240	1	1	1	10	1	.03	1	37.4	5	42
L 112750N 15650E	.1	1.74	87	41	.1	1	.17	.1	10	92	54	1.83	1	.02	8	.90	267	8	.01	35	500	1	2	1	13	1	.03	1	39.7	4	40
L 112750N 15700E	.1	1.77	107	42	.1	1	.20	.1	10	61	73	1.64	1	.02	8	1.02	274	8	.02	34	320	1	1	1	18	1	.02	1	36.8	2	35
L 112750N 15750E	.1	2.01	96	38	.1	1	.13	.1	10	86	76	1.99	1	.02	7	1.01	530	9	.01	34	610	1	3	1	14	1	.02	1	46.9	3	46
L 112750N 15800E	.1	1.93	103	51	.1	1	.24	.1	15	97	177	2.26	1	.02	9	1.30	547	9	.01	48	360	1	1	1	18	1	.03	1	50.6	3	51
L 112750N 15850E	.1	2.35	110	53	.1	1	.22	.1	15	64	212	2.11	1	.02	6	1.03	827	11	.02	34	920	1	6	1	21	1	.02	1	44.0	2	44
L 112750N 15900E	.1	1.46	49	66	.1	1	.21	.1	12	75	44	2.45	1	.03	9	.79	543	9	.01	43	790	1	2	1	17	1	.01	1	37.9	3	56
L 112750N 15950E	.1	1.97	38	52	.1	1	.18	.1	16	59	60	3.30	1	.03	14	.86	508	13	.01	46	930	1	5	2	18	1	.01	1	40.2	1	73
L 112800N 14700E	.1	2.52	175	59	.1	1	.07	.1	23	262	123	3.37	1	.04	35	2.21	276	14	.01	88	150	1	1	2	10	1	.04	1	67.4	10	57
L 112800N 14750E	.1	2.84	130	81	.1	1	.05	.1	27	275	176	5.12	1	.07	37	2.55	244	19	.01	92	310	1	1	3	5	1	.04	1	82.3	8	55
L 112800N 14800E	.1	1.84	115	55	.1	1	.07	.1	13	142	125	2.43	1	.03	23	1.56	175	10	.01	65	190	1	1	1	9	1	.04	1	48.9	5	53
L 112800N 14850E	.1	2.25	126	63	.1	1	.08	.1	18	189	211	3.85	1	.06	23	1.86	213	13	.01	62	280	1	1	2	10	1	.03	1	63.2	5	62
L 112800N 14900E	.1	1.56	116	47	.1	1	.10	.1	16	150	171	2.08	1	.03	20	1.43	210	9	.01	76	160	1	1	1	10	1	.04	1	43.7	6	65
L 112800N 14950E	.1	2.25	209	96	.1	1	.06	.1	17	297	194	2.98	1	.05	23	2.49	278	12	.01	97	20	1	1	2	10	1	.03	1	53.7	10	91
L 112800N 15000E	.1	1.67	152	42	.1	1	.10	.1	19	249	341	2.29	1	.03	19	1.94	241	10	.01	106	120	1	1	1	10	1	.04	1	52.3	9	56
L 112800N 15050E	.1	1.51	140	51	.1	1	.15	.1	14	207	350	2.21	1	.04	17	1.71	213	9	.01	83	160	1	1	1	11	1	.04	1	50.2	7	47
L 112800N 15100E	.1	1.45	137	23	.1	1	.07	.1	13	217	84	1.98	1	.01	14	1.55	178	9	.01	65	110	1	1	1	9	1	.04	1	54.6	9	41
L 112800N 15150E	.1	1.60	106	46	.1	1	.20	.1	10	139	125	1.86	1	.03	12	1.07	170	8	.01	48	260	1	1	1	15	1	.04	1	43.8	6	37
L 112800N 15200E	.1	1.78	81	48	.1	1	.15	.1	10	103	72	2.07	1	.02	11	.82	254	9	.01	36	360	1	4	1	16	1	.04	1	48.3	5	34
L 112800N 15250E	.1	1.52	107	93	.1	1	.12	.1	14	189	77	2.10	1	.02	14	1.35	257	9	.01	65	250	1	1	1	11	1	.03	1	50.2	8	38
L 112800N 15300E	.2	2.48	280	62	.1	1	.14	.1	23	509	71	2.43	1	.02	28	3.16	323	12	.01	140	10	1	1	2	15	1	.02	1	56.5	20	40
L 112800N 15350E	.3	3.89	343	944	.1	1	.24	.1	36	629	201	4.36	1	.24	52	5.09	751	16	.01	187	80	1	1	3	21	1	.08	1	108.5	18	80
L 112800N 15400E	.1	1.98	187	140	.1	1	.28	.1	17	293	46	2.55	1	.03	20	1.86	383	11	.01	93	240	1	1	2	19	1	.04	1	63.2	13	48
L 112800N 15450E	.1	1.75	140	72	.1	1	.17	.1	14	245	74	2.22	1	.02	15	1.60	283	11	.01	80	260	1	1	1	18	1	.03	1	56.5	10	41
L 112800N 15500E	.1	1.72	133	61	.1	1	.27	.1	22	212	92	2.23	1	.02	13	1.43	325	9	.01	90	230	1	1	1	22	1	.03	1	50.8	8	37
L 112800N 15550E	.1	1.48	108	53	.1	1	.14	.1	14	144	81	1.92	1	.02	11	1.06	191	9	.01	69	290	1	1	1	13	1	.03	1	42.4	6	35
L 112800N 15600E	.1	1.67	139	51	.1	1	.15	.1	13	212	79	2.14	1	.02	14	1.54	321	10	.01	73	280	1	1	1	12	1	.03	1	48.8	8	41
L 112800N 15650E	.1	1.46	103	39	.1	1	.15	.1	8	69	77	1.44	1	.02	7	.87	173	7	.01	34	270	1	2	1	12	1	.03	1	28.7	3	32
L 112800N 15700E	.1	1.77	104	51	.1	1	.19	.1	10	61	58	1.77	1	.01	6	.91	638	8	.01	30	700	1	3	1	17	1	.02	1	40.1	2	33
L 112800N 15750E	.1	1.69	92	44	.1	1	.17	.1	10	72	69	1.80	1	.02	6	.87	479	8	.01	32	520	1	3	1	15	1	.02	1	39.7	3	33
L 112800N 15800E	.1	1.76	87	53	.1	1	.37	.1	12	70	77	2.04	1	.02	6	.92	498	8	.01	32	770	1	3	1	13	1	.02	1	45.7	2	38
L 112800N 15850E	.1	2.12	109	44	.1	1	.36	.1	11	57	152	1.64	1	.02	6	.82	413	8	.02	30	770	1	6	1	16	1	.02	1	30.7	2	35
L 112800N 15900E	.1	1.45	70	58	.1	1	.18	.1	8	36	64	1.34	1	.02	5	.53	443	6	.01	22	920	1	3	1	18	1	.01	1	23.5	1	35
L 112800N 15950E	.1	1.14	47	46	.1	1	.10	.1	10	57	46	2.22	1	.02	9	.65	229	7	.01	39	280	1	1	1	7	1	.02	1	29.6	2	48
L 112800N 16000E	.1	.82	25	29	.1	1	.04	.1	5	12	12	1.30	1	.01	4	.19	320	5	.02	16	860	1	4	1	9	1	.01	1	14.9	1	28
L 112850N 14700E	.1	2.79	163	67	.1	1	.04	.1	25	372	97	4.93	1	.09	43	2.92	468	17	.01	98	200	1	1	3	6	1	.05	1	86.0	11	68
L 112850N 14750E	.1	1.79	179	48	.1	1	.04	.1	15	225	98	2.62	1	.04	21	1.97	210	11	.01	68	420	1	1	2	9	1	.03	1	65.8	7	46
L 112850N 14800E	.1	2.54	256	15	.1	1	.04	.1	30	499	143	3.36	1	.01	27	3.38	238	12	.01	146	10	1	1	2	9	1	.01	1	51.3	17	55
L 112850N 14850E	.1	2.01	139	71	.1	1	.11	.1	16	139	193	3.07	1	.04	25	1.53	302	11	.01	61	420	1	1	2	12	1	.04	1	59.8	4	68
L 112850N 14900E	.1	1.15	87	31	.1	1	.07	.1	8	74	83	1.44	1	.02	11	.74	116	6	.01	42	450	1	1	1	10	1	.03	1	27.2	4	38
L 112850N 14950E	.1	1.15	94	32	.1	1	.06	.1	9	121	159	2.04	1	.02	16	1.09	140	8	.01	55	130	1	1	1	6	1	.03	1	43.6	5	45
L 112850N 15000E	.1	1.51	136	59	.1	1	.13	.1	16	205	226	2.35	1	.05	21	1.82	246	10	.01	90	180	1	1	1	9	1	.03	1	49.7	6	50
L 112850N 15050E	.1	1.25	118	22	.1	1	.06	.1	11	157	350	1.55	1	.02	11	1.22	202	7	.01	57	390	1	1	1	8	1	.02	1	38.0	7	37
L 112850N 15100E	.1	1.52	150	23	.1	1	.27	.1	12	223	441	1.54	1	.02	12	1.57	202	8	.01	65	220	1	1	1	13	1	.02	1	36.6	9	39
L 112850N 15150E	.1	1.63	172	37	.1	1	.20	.1	15	254	380	1.99	1	.02	14	1.99	299	10	.01	73	220	1	1	1	11	1	.03	1	51.3	9	42
L 112850N 15200E	.1	1.21	99	41	.1	1	.14	.1	9	111	46	1.81	1	.02	10	.96	181	7	.01	42	260	1	1	1	15	1	.03	1	44.2	5	38
L 112850N 15250E	.1	1.42	95	45	.1	1	.09	.1	10	132	50	1.94	1	.02	11	.97	161	9	.01	48	250	1	1	1	12	1	.03	1	43.2	6	35
L 112850N 15300E	.1	2.17	226	63	.1	1	.31	.1	17	390	54	2.02	1	.03	20	2.04	252	10	.01	101	170	1	1	1	21	1	.03	1	48.7	17	35

COMP: COLUMBIA GOLD MINES
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0109-SJ7+8
DATE: 96/09/10
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 112850N 15350E	.1	2.92	269	474	.1	1	.21	.1	30	555	105	3.52	1	.08	39	3.89	680	13	.01	154	10	1	1	2	18	1	.05	1	84.5	19	70
L 112850N 15400E	.1	2.43	217	333	.1	1	.13	.1	21	392	66	2.81	1	.08	26	2.48	378	12	.01	108	100	1	1	2	16	1	.06	1	66.7	15	56
L 112850N 15450E	.1	1.86	147	95	.1	1	.37	.1	17	266	68	2.09	1	.02	16	1.73	492	10	.01	83	280	1	1	1	23	1	.03	1	51.3	11	38
L 112850N 15500E	.1	1.95	127	63	.1	1	.22	.1	14	244	78	1.97	1	.03	13	1.39	361	10	.01	72	350	1	1	1	18	1	.03	1	47.9	10	42
L 112850N 15550E	.1	1.31	94	43	.1	1	.14	.1	11	143	46	1.76	1	.02	11	.96	188	8	.01	52	250	1	1	1	10	1	.03	1	41.1	7	34
L 112850N 15600E	.1	1.23	78	26	.1	1	.06	.1	8	109	45	1.50	1	.01	7	.84	219	7	.01	40	380	1	1	1	7	1	.02	1	36.0	5	29
L 112850N 15650E	.1	1.40	65	30	.1	1	.10	.1	6	45	36	1.21	1	.01	4	.54	149	6	.01	18	540	1	4	1	11	1	.02	1	25.2	3	23
L 112850N 15700E	.1	1.51	62	31	.1	1	.10	.1	7	56	43	1.55	1	.01	5	.69	257	7	.01	23	480	1	2	1	10	1	.02	1	35.8	3	26
L 112850N 15750E	.1	1.58	75	29	.1	1	.13	.1	12	118	41	2.07	1	.01	6	1.16	501	8	.01	37	380	1	1	1	7	1	.04	1	57.2	4	31
L 112850N 15800E	.1	1.25	43	49	.1	1	.19	.1	9	79	34	1.82	1	.02	6	.83	451	7	.01	30	720	1	1	1	11	1	.02	1	49.2	3	41
L 112850N 15850E	.1	1.81	71	49	.1	1	.25	.1	11	80	107	1.98	1	.02	8	.98	405	8	.01	34	710	1	1	1	15	1	.02	1	44.7	3	44
L 112850N 15900E	.1	1.72	82	48	.1	1	.18	.1	9	71	139	1.80	1	.02	7	.98	314	8	.01	36	760	1	1	1	17	1	.02	1	38.4	2	43
L 112850N 15950E	.1	1.50	53	103	.1	1	.24	.1	11	100	52	2.06	1	.02	7	.90	741	8	.01	43	1430	1	1	1	22	1	.01	1	42.3	4	90
L 112850N 16000E	.3	1.62	13	53	.1	1	.12	.1	13	34	30	3.45	1	.03	12	.52	629	12	.01	38	1360	6	11	2	17	1	.01	1	36.4	1	83
L 112900N 14700E	.1	2.40	80	106	.1	1	.06	.1	24	206	164	4.90	1	.06	32	1.69	158	19	.01	63	380	1	2	2	8	1	.04	1	74.0	7	44
L 112900N 14750E	.1	2.80	178	34	.1	1	.05	.1	36	358	236	5.83	1	.02	33	3.24	526	20	.01	168	150	1	1	3	6	1	.02	1	96.7	9	81
L 112900N 14800E	.3	1.74	145	58	.1	1	.08	.1	14	195	135	2.86	1	.02	28	1.70	227	12	.01	73	270	1	1	2	10	1	.03	1	53.5	7	62
L 112900N 14850E	.4	1.61	103	83	.1	1	.14	.1	14	119	287	2.12	1	.02	20	1.10	146	10	.01	61	580	1	3	1	14	1	.02	1	44.4	5	55
L 112900N 14900E	.4	1.17	73	40	.1	1	.09	.1	10	71	186	1.64	1	.02	14	.74	129	8	.01	43	280	1	4	1	9	1	.03	1	35.1	4	42
L 112900N 14950E	.4	.76	45	24	.1	1	.04	.1	5	61	55	.97	1	.01	5	.36	70	5	.01	17	890	1	4	1	8	1	.01	1	21.6	3	17
L 112900N 15000E	.6	1.30	112	28	.1	1	.08	.1	9	117	141	1.59	1	.02	13	.93	137	8	.01	43	360	1	4	1	10	1	.03	1	36.3	6	38
L 112900N 15050E	.8	1.81	197	34	.1	1	.32	.1	18	240	461	1.98	1	.03	21	1.77	249	10	.01	89	260	1	1	1	14	1	.03	1	48.8	11	49
L 112900N 15100E	.6	1.56	193	20	.1	1	.09	.1	14	296	105	1.98	1	.01	15	1.84	198	9	.01	79	140	1	1	1	11	1	.04	1	50.0	13	47
L 112900N 15150E	.9	1.29	194	7	.1	1	.17	.1	13	358	262	1.11	1	.01	13	1.74	141	8	.01	89	40	1	1	1	11	1	.01	1	20.7	16	23
L 112900N 15200E	.1	1.51	109	21	.1	1	.11	.1	11	213	87	1.54	1	.02	11	1.40	160	8	.01	58	130	1	1	1	9	1	.03	1	34.9	9	29
L 112900N 15250E	.1	2.35	105	84	.1	1	.52	.1	16	76	155	2.38	1	.06	16	1.15	305	11	.02	54	320	1	7	1	27	1	.04	1	52.6	2	56
L 112900N 15300E	.1	2.39	190	35	.1	1	.08	.1	21	378	157	2.92	1	.02	17	2.67	370	12	.01	110	210	1	1	2	11	1	.03	1	63.7	14	53
L 112900N 15350E	.1	3.27	289	212	.1	1	.55	.1	34	647	79	3.32	1	.06	46	3.77	844	15	.01	166	240	1	1	2	26	1	.07	1	86.5	25	55
L 112950N 14700E	.1	2.44	152	50	.1	1	.11	.1	18	239	146	3.21	1	.03	35	2.28	242	14	.01	85	110	1	1	2	12	1	.04	1	58.5	8	59
L 112950N 14750E	.1	2.93	254	7	.1	1	.01	.1	24	515	27	3.04	1	.01	20	3.92	202	13	.01	126	10	1	1	2	10	1	.01	1	61.3	17	55
L 112950N 14800E	.1	3.18	148	195	.1	1	.04	.1	20	411	227	6.49	1	.12	55	3.94	370	18	.01	83	10	1	1	4	3	1	.04	1	80.0	9	85
L 112950N 14850E	.1	.97	43	30	.1	1	.08	.1	5	44	29	1.25	1	.02	6	.52	141	6	.02	19	630	1	1	1	10	1	.01	1	28.4	2	23
L 112950N 14900E	.1	1.73	72	47	.1	1	.17	.1	13	69	250	2.09	1	.03	16	1.04	231	9	.01	43	360	1	4	1	14	1	.03	1	44.1	3	60
L 112950N 14950E	.1	1.27	56	39	.1	1	.11	.1	10	90	190	1.85	1	.03	13	.90	161	8	.01	41	410	1	1	1	11	1	.03	1	39.6	4	39
L 112950N 15000E	.1	2.81	150	141	.1	1	.06	.1	15	246	311	5.26	1	.23	42	3.40	402	17	.02	66	110	1	1	3	6	1	.07	1	114.8	3	81
L 112950N 15050E	.1	1.83	149	39	.1	1	.07	.1	15	235	63	2.51	1	.04	24	1.97	238	10	.01	67	150	1	1	2	9	1	.05	1	68.2	10	53
L 112950N 15100E	.1	1.99	183	17	.1	1	.07	.1	18	346	75	2.49	1	.01	29	2.46	255	10	.01	99	40	1	1	2	7	1	.05	1	61.7	12	62
L 112950N 15150E	.1	1.73	175	21	.1	1	.09	.1	13	291	191	1.80	1	.01	12	1.96	210	10	.01	82	200	1	1	1	11	1	.02	1	39.3	12	44
L 112950N 15200E	.1	1.78	128	25	.1	1	.16	.1	12	227	139	1.80	1	.02	13	1.61	214	9	.01	64	250	1	1	1	12	1	.03	1	40.1	9	45
L 112950N 15550E	.1	1.82	160	46	.1	1	.17	.1	14	236	72	2.04	1	.02	13	1.81	295	10	.01	68	170	1	1	1	11	1	.03	1	48.9	10	34
L 112950N 15600E	.1	2.70	193	39	.1	1	.20	.1	17	191	79	2.79	1	.02	17	2.54	379	13	.01	63	120	1	1	2	15	1	.05	1	64.8	5	53
L 112950N 15650E	.1	1.91	136	37	.1	1	.20	.1	14	120	67	2.25	1	.02	11	1.47	297	10	.01	44	250	1	1	1	13	1	.04	1	49.3	4	47
L 112950N 15700E	.1	2.05	152	35	.1	1	.24	.1	16	186	79	2.55	1	.02	13	1.88	396	11	.01	57	440	1	1	2	13	1	.03	1	56.0	5	44
L 112950N 15750E	.1	2.13	124	58	.1	1	.21	.1	18	95	87	3.12	1	.03	13	1.66	674	12	.01	51	290	1	1	2	16	1	.03	1	74.6	2	75
L 112950N 15800E	.1	1.59	59	54	.1	1	.15	.1	11	46	66	1.98	1	.02	8	.80	298	9	.02	29	520	1	4	2	14	1	.03	1	43.1	2	41
L 112950N 15850E	.1	1.91	80	66	.1	1	.21	.1	11	63	136	1.89	1	.03	8	.97	337	9	.02	36	410	1	6	1	18	1	.03	1	36.6	2	48
L 112950N 15900E	.1	2.78	160	56	.1	1	.17	.1	28	109	471	3.03	1	.02	12	2.10	529	14	.02	56	170	1	1	2	21	1	.04	1	55.6	1	58
L 112950N 15950E	.1	2.49	127	59	.1	1	.19	.1	19	145	175	3.44	1	.02	11	2.00	568	13	.02	63	450	1	1	2	21	1	.03	1	60.6	3	57

COMP: COLUMBIA GOLD MINES
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0109-SJ9
DATE: 96/09/10
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
L 112950N 16000E	.1	1.49	53	68	.1	1	.15	.1	10	93	40	1.96	1	.02	8	.90	586	8	.01	39	990	1	3	1	15	1	.01	1	38.3	4	46
L 113000N 14700E	.1	3.47	205	37	.1	1	.13	.1	38	362	60	5.13	1	.01	42	4.24	485	17	.01	117	60	1	1	3	10	1	.03	1	84.8	6	47
L 113000N 14750E	.1	3.07	218	47	.1	1	.03	.1	19	396	155	4.58	1	.02	43	4.03	286	15	.01	99	10	1	1	3	9	1	.02	1	70.1	10	83
L 113000N 14800E	.1	1.52	82	26	.1	1	.13	.1	11	110	62	1.87	1	.02	23	1.21	223	9	.01	43	360	1	1	1	10	1	.03	1	42.6	4	45
L 113000N 14850E	.1	1.71	70	50	.1	1	.18	.1	11	82	130	2.07	1	.03	22	1.10	194	9	.02	44	340	1	2	1	15	1	.03	1	45.1	3	45
L 113000N 14900E	.1	1.64	72	45	.1	1	.19	.1	12	73	151	1.73	1	.02	16	.91	170	8	.02	44	300	1	5	1	14	1	.03	1	37.6	3	46
L 113000N 15000E	.1	2.11	140	51	.1	1	.11	.1	30	230	669	2.74	1	.04	20	2.08	322	12	.01	108	100	1	1	2	19	1	.03	1	51.8	8	75
L 113050N 14700E	.1	3.61	191	14	.1	1	.08	.1	24	416	306	5.73	1	.01	37	4.48	290	18	.01	88	10	1	1	4	6	1	.02	1	88.7	8	51
L 113050N 14750E	.1	2.01	160	64	.1	1	.14	.1	16	198	136	2.31	1	.05	43	2.06	270	11	.01	78	200	1	1	2	12	1	.03	1	48.1	6	60
L 113050N 14800E	.1	1.41	79	37	.1	1	.13	.1	11	97	49	2.08	1	.03	25	1.29	218	9	.01	44	220	1	1	1	10	1	.03	1	47.7	3	50
L 113050N 14850E	.1	1.33	86	22	.1	1	.07	.1	9	107	42	1.64	1	.02	21	1.21	155	9	.01	38	210	1	1	1	9	1	.02	1	44.1	4	36
L 113050N 14900E	.1	1.40	51	35	.1	1	.17	.1	12	73	145	1.85	1	.02	14	.81	157	8	.02	37	270	1	3	1	13	1	.03	1	40.6	3	37
L 113050N 14950E	.1	1.50	92	34	.1	1	.12	.1	10	136	123	1.74	1	.02	18	1.07	141	9	.01	51	200	1	2	1	11	1	.04	1	39.1	6	47
L 113050N 15000E	.1	2.04	46	57	.1	1	.12	.1	10	50	157	2.95	1	.02	15	.69	187	11	.01	29	530	1	10	1	15	1	.03	1	56.1	2	65
L 113050N 15050E	.2	4.20	172	37	.1	1	.78	.1	21	278	812	6.05	1	.06	38	3.24	413	21	.01	95	320	1	1	4	23	1	.08	1	131.4	5	72
L 113100N 14700E	.1	2.02	177	51	.1	1	.06	.1	21	371	98	2.80	1	.03	26	2.41	251	12	.01	106	210	1	1	2	10	1	.02	1	47.9	13	45
L 113100N 14750E	.1	2.74	216	55	.1	1	.06	.1	26	345	106	3.21	1	.03	47	3.41	342	17	.01	127	10	1	1	2	11	1	.03	1	60.1	9	50
L 113100N 14850E	.1	1.62	149	34	.1	1	.12	.1	12	171	49	2.03	1	.02	32	1.70	222	10	.01	55	230	1	1	1	11	1	.03	1	52.9	6	51
L 113100N 14900E	.1	2.86	259	34	.1	1	.14	.1	67	631	378	4.15	1	.03	67	4.40	567	15	.01	197	10	1	1	3	12	1	.04	1	92.4	20	74
L 113100N 14950E	.1	2.48	118	59	.1	1	.28	.1	15	79	292	2.40	1	.03	16	1.27	230	12	.02	44	310	1	9	1	25	1	.03	1	46.0	2	45
L 113100N 15000E	.1	1.58	115	22	.1	1	.08	.1	12	246	80	1.75	1	.02	22	1.46	158	9	.01	68	220	1	1	1	10	1	.03	1	43.2	11	39

APPENDIX IV

Rock Geochemical Sample Descriptions

Summary of Rock Geochemical Sampling Results

Sample No.	U.T.M. Northing	U.T.M. Easting	Survey Grid Northing	Survey Grid Easting	Sample Description	Gold ppb	Gold gpT	Silver ppm	Silver gpT	Copper ppm	Copper %	Zinc ppm	Zinc %	Lead ppm	Lead %	Cobalt ppm	Cobalt %
169012	6787500	420240	110020	15980	Talus from Upper Lake zone; probably from galena showing No. 13; limonitic basalt(?) with galena.		9.26		128.3		0.16		1.79		0.96		
169018	6787620	420580	110000	16150	Talus with galena from Upper Lake zone.		0.02		6.9		0.02		5.29		0.17		
169019	6787610	420580	109080	16150	Talus from Upper Lake zone containing arsenopyrite disseminations.		5.50		27.5		0.06		2.07		0.77		
169020	6786260	418620	109300	14100	Phyllite with traces of pyrrhotite, chalcopyrite and magnetite.	2		1.3		113		155		40		24	
169022	6784090	419250	107100	13850	Rusty quartz-biotite gneiss with disseminated magnetite and chalcopyrite.	6		0.5		291		49		1		28	
169023	6784180	419350	107050	14150	Rusty quartz-biotite gneiss with disseminated magnetite and chalcopyrite.	5		1.3		77		45		1		34	
169024	6784500	419000	107500	13850	1 to 5 cm band of chalcopyrite-pyrite in rusty quartz-biotite gneiss. Chalcopyrite traceable for up to 30 m along band.		0.07		5.1		1.02		0.02		0.01		0.009
169025	6788770	41920			Massive magnetite in tributary of Kona Creek, west-southwest of 'D' zone.	2		1.6		240		238		30		19	
169026	6788990	418320	112000	14750	Float boulders of massive pyrite and chalcopyrite.		0.91		8.5		3.79		0.29		0.01		0.091
169027	678880	418390	111825	14825	Float boulders of massive and semi-massive pyrite, chalcopyrite and ~ 8% sphalerite.		2.26		10.8		3.10		1.99		0.01		0.242
169028	6789672	418974	112180	15645	Chalcopyrite and pyrite in chlorite schist.		0.30		5.9		1.17		0.02		0.01		0.003

Summary of Rock Geochemical Sampling Results

Sample No.	U.T.M. Northing	U.T.M. Easting	Survey Grid Northing	Survey Grid Easting	Sample Description	Gold ppb	Gold gpT	Silver ppm	Silver gpT	Copper ppm	Copper %	Zinc ppm	Zinc %	Lead ppm	Lead %	Cobalt ppm	Cobalt %
169029	6779320	422640	101550	15500	Magnetite in mafic volcanics (chlorite schist) with epidote clots, and traces of pyryite & chalcopyrite.	1		0.9		55		52		1		33	
169030	6788830	418300	111835	14745	Massive sulphide boulders with pyrite, pyrrhotite, chalcopyrite and sphalerite.		0.04		7.6		3.45		0.09		0.01		0.047
169031	6789672	418974	112180	15645	Subcrop of chlorite schist with chalcopyrite and pyrite; similar to 169028.		0.38		5.7		1.54		0.01		0.01		0.002
169032	6782450	422280			Light green, chlorite-epidote schist with 50% disseminated pyrite.	7		0.8		144		15		1		39	
169033	6783530	422830			Float of rusty dark green chlorite schist with 5% disseminated pyrite and minor hematite.	4		0.5		222		60		1		26	
169034	6783530	442830			Float of basic volcanics composed of hornblende or augite and hosting magnetite disseminations.	6		0.5		336		35		1		74	

APPENDIX V

Rock Geochemical Analytical Results
Certificates of Analysis
Chemex Labs Ltd. and Min-En Laboratories Ltd.

MINERAL
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LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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VANCOUVER, B.C., CANADA V5X 4E8
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SMITHERS LAB:
3176 TATLOW ROAD
SMITHERS, B.C., CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

6S-0213-RA1

Company: **COLUMBIA GOLD MINES LTD**
Project: FYRE LAKE
Attn: Wayne Roberts

Date: OCT-18-96

We hereby certify the following Assay of 6 ROCK samples submitted OCT-09-96 by J. Deighton.

Sample Number	Au-fire g/tonne	Ag g/tonne	Cu %	Pb %	Zn %
169024	.07	5.1	1.020	.01	.02
169026	.91	8.5	3.770	.01	.29
169027	2.26	10.8	3.100	.01	1.99
169028	.30	5.9	1.710	.01	.02
169030	.04	7.6	3.450	.01	.09
169031	.38	5.7	1.540	.01	.01

Certified by _____

MIN-EN LABORATORIES

MINERAL
ENVIRONMENTS
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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FAX (604) 847-3005

Assay Certificate

6S-0167-RA1

Company: **COLUMBIA GOLD MINES LTD**
Project: FYRE LAKE
Attn: Wayne Roberts

Date: SEP-30-96
Copy 1. Columbia Gold Mines Ltd Vancouver BC
2. Fax to Wayne Roberts at Columbia Gold

We hereby certify the following Assay of 17 CORE samples submitted SEP-20-96 by DOUG BLANCHFLOWER.

Sample Number	Au-fire g/tonne	Ag g/tonne	Cu %	Zn %	Pb %
N169003	.01	18.9	.069	2.51	.27
N169004	.52	3.5	.192	.01	.01
N169005	.04	49.5	10.300	.08	.01
N169006	.03	11.8	.037	14.70	1.23
N169007	.01	13.6	.138	35.60	1.02
N169008	.05	9.3	.589	.12	.01
N169009	.07	10.8	2.430	.09	.01
N169010	.08	24.7	4.630	.08	.01
N169011	.04	12.7	1.780	.02	.01
N169012	9.26	128.3	.160	1.79	.96
N169013	.13	29.6	.092	21.10	.13
N169014	.08	10.7	.014	48.00	.03
N169015	.03	13.5	1.240	.29	.01
N169016	.05	8.5	1.540	.67	.01
N169017	2.87	237.3	.324	12.80	13.80
N169018	.02	6.9	.023	5.29	.17
N169019	5.50	27.5	.061	2.07	.77

Certified by _____

MIN-EN LABORATORIES

MINERAL
·ENVIRONMENTS
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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Assay Certificate

6V-1073-PA1

Company: **COLUMBIA GOLD**
Project: FYRE LAKE
Attn: WAYNE ROBERTS

Date: NOV-25-96

We hereby certify the following Assay of 6 PULP samples submitted NOV-20-96 by Wayne Roberts.

Sample Number	CO %
169024	.009
169026	.091
169027	.242
169028	.003
169030	.047
169031	.002

Certified by _____

MIN-EN LABORATORIES

COMP: COLUMBIA GOLD MINES LTD
PROJ: FYRE LAKE
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6S-0213-RJ1
DATE: 96/10/18
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM	Au-fire PPB
169020	1.3	4.19	139	226	.1	1	2.15	.1	24	124	113	4.25	1	1.16	12	2.32	691	32	.25	49	1060	40	7	5	102	1	.13	1	169.2	2	155	2
169022	.5	3.70	38	293	.1	1	1.72	.1	28	86	291	5.14	1	1.19	27	1.56	320	16	.15	32	120	1	11	6	46	1	.12	1	120.7	1	49	6
169023	1.3	1.62	1	190	.1	1	1.62	.1	34	87	77	6.14	1	.65	39	1.43	443	23	.08	60	3140	1	1	6	23	1	.23	1	113.0	1	45	5
169025	1.6	4.57	61	159	.1	1	2.81	.1	19	159	240	4.74	1	.96	22	1.41	506	91	.19	75	1390	30	20	6	117	1	.13	1	145.7	6	238	2
169029	.9	1.54	234	17	.1	1	2.33	.1	33	375	55	4.40	1	.02	5	4.29	1233	12	.01	199	1040	1	1	6	28	1	.14	1	75.8	5	52	1
169032	.8	1.79	1	5	.1	1	1.43	.1	39	46	144	10.64	1	.01	3	1.65	630	21	.01	29	2680	1	1	10	22	1	.26	1	46.3	1	15	7
169033	.5	2.61	1	22	.1	1	1.28	.1	26	51	222	7.44	1	.05	8	2.18	1341	19	.01	29	2470	1	1	8	41	1	.18	1	71.0	1	60	4
169034	.5	1.54	276	17	.1	1	.61	.1	74	140	336	5.93	1	.02	1	10.26	539	4	.06	522	10	1	1	8	16	1	.01	1	15.2	1	35	6

COMP: COLUMBIA GOLD
PROJ: FYRE LAKE
ATTN: WAYNE ROBERTS

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 6V-1073-PJ1
DATE: 96/11/25
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
169024	3.1	6.56	294	519	.1	112	4.99	.1	55	213	9272	3.68	1	1.70	38	2.39	450	21	.13	62	930	1	22	5	216	1	.16	1	322.1	8	102
169026	7.4	.04	1	18	.1	446	.09	.1	768	65	>10000	>15.00	1	.02	1	.04	41	47	.01	92	330	1	25	16	1	1	.01	1	12.3	1	2669
169027	7.4	.12	1	10	.1	294	.03	.1	1916	76	>10000	>15.00	1	.01	1	.09	27	57	.01	75	110	1	23	21	1	1	.01	1	13.6	20	>10000
169028	6.0	1.16	84	51	.1	220	.20	.1	36	185	>10000	4.17	1	.01	7	1.61	205	11	.03	92	130	1	2	4	1	1	.01	1	32.1	1	240
169030	6.3	.04	1	32	.1	359	.08	.1	396	84	>10000	>15.00	1	.01	1	.09	67	48	.01	74	540	1	21	13	1	1	.01	1	6.1	1	778
169031	5.7	.87	48	31	.1	205	.20	.1	18	127	>10000	3.57	1	.01	6	1.16	141	9	.03	76	160	1	4	3	1	1	.01	1	20.8	1	76

APPENDIX VI

A Summary Report on Ground Magnetic and Horizontal Loop-EM Surveys
on the Fyre Lake Project, Watson Lake Mining District, Yukon Territory
D. A. Klit, Lloyd Geophysics Inc., December, 1996

COLUMBIA GOLD MINES LTD.

A SUMMARY REPORT ON
GROUND MAGNETIC AND HORIZONTAL
LOOP-EM SURVEYS ON THE
FYRE LAKE PROJECT, WATSON
LAKE MINING DISTRICT, YUKON TERRITORY

LATITUDE 61°14'N
LONGITUDE 130°30'W
NTS 105G/1,2,7,8

BY

DANIEL A. KLIT
LLOYD GEOPHYSICS INC.
DECEMBER 1996

Lloyd Geophysics

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1.0 INTRODUCTION

During the periods July 16 to August 8,1996 and August 22 to September 20, 1996, Lloyd Geophysics Inc. carried out ground magnetic (Mag.) and horizontal loop electromagnetic (HLEM) surveys for Columbia Gold Mines Ltd. on the Fyre Lake Project, Yukon Territory.

The purpose of the surveys was to delineate conductors associated with magnetite bearing iron formations with the potential for hosting economic grade massive sulphide mineral deposits

2.0 INSTRUMENT SPECIFICATIONS

2.1 Ground Magnetic Equipment

The equipment used was a combination of a Scintrex Envi Magnetometer with an EDA Omni IV base station. The Envi Mag. Is a proton precession magnetometer which measures and stores the earth's total magnetic field at a given point to with an accuracy within +1nT. The EDA base station measures and stores in memory the daily fluctuations of the earth's magnetic field. At the end of each survey day the field data is merged with the base station data and automatic diurnal corrections are applied to correct the field data.

2.2 Horizontal Loop EM Survey Equipment

The equipment used was a portable MAXMIN I ground system manufactured by Apex Parametrics Limited, Toronto, Canada. It is microprocessor controlled and links directly with an IBM AT field computer/printer system.

The system can be operated at 110, 220, 440, 880, 1760, 3520, 7040 and 14080 hertz with coil separations of 12.5, 25, 50, 100, 125, 200, 250, 300 and 400 metres. Both the in-phase and quadrature components of the secondary magnetic field in percent of the primary field are measured at each station and plotted at the mid-point between the receiver and transmitter coils.

At the end of each survey day, the stored data is dumped into a computer via a serial link for processing by means of commercial software.

3.0 SURVEY SPECIFICATIONS

3.1 Ground Magnetic Survey

The ground magnetic data was collected at station intervals of 12.5 metres on lines either 50 meters or 100 metres apart.

3.2 Horizontal Loop EM Survey

In-phase and quadrature component measurements were taken at 25 metre station intervals on lines either 50 or 100 metres apart.

The transmitter/receiver coil separation was 100 metres and measurements were taken for 3 frequencies viz 880HZ, 3520HZ and 14080HZ.

4.0 DATA PROCESSING

The ground magnetic and HLEM data was processed in the field at the end of each survey day using a 486 computer and a Fujitsu colour printer.

In the office the data was transferred to mylar using a Pentium computer coupled to a Hewlett Packard Design Jet plotter for the preparation of the final profiles and contour plan maps.

5.0 DATA PRESENTATION

The data obtained from the ground magnetic and HLEM surveys is presented on 8 contour plan maps 24 profile maps and 8 compilation maps at a scale of 1:2500. Maps for the Kona grid are on one

sheet, maps for the Lake grid are on 4 sheets and maps for the Dub grid are presented on three sheets as outline below:

Contour Plan Maps	Figure
Kona Total Field Magnetics	19
Lake Total Field Magnetics	20-1,20-2,20-3,20-4
Dub Total Field Magnetics	21-1,21-2,21-3
HLEM Profile Maps	
Kona HLEM Profiles 880HZ	22
Kona HLEM Profiles 3520HZ	23
Kona HLEM Profies 14080HZ	24
Lake HLEM Profiles 880HZ	25-1,25-2,25-3,25-4
Lake HLEM Profiles 3520HZ	26-1,26-2,26-3,26-4
Lake HLEM Profiles 14080HZ	27-1,27-2,27-3,27-4
Dub HLEM Profiles 880HZ	28-1,28-2,28-3
Dub HLEM Profiles 3520HZ	29-1,29-2,29-3
Dub HLEM Profiles 14080HZ	30-1,30-2,30-3
Geophysical Compilation Maps	
Kona Grid	31
Lake Grid	32-1,32-2,32-3,32-4
Dub Grid	33-1,33-2,33-3

6.0 DISCUSSION OF RESULTS

KONA GRID

The HELM and magnetic surveys on the Kona grid have both delineated an extensive northwest - southeast trending structure (see Fig. 31) which is over 1800 metres in length.

In the northwest portion of the grid the EM conductor is considered to be poor and is associated with magnetic highs scattered along the same trend as the conductor from about 14700E on line 112900N to about 15150E on line 112250N. South of line 112250N the magnetic response along this trend is somewhat more intense with changes in amplitude of over 2000nT. These dipolar responses are indicative of a near surface source along this axis with the mag highs generally being associated with the conductors.

Continuing southwest along this axis (from about 15500E on line 111700N to 15650E on line 111400N) the EM conductor now shows a good, strong response which coincides with a sharp increase in the magnetic response from about 6500nT on the northeast side of the conductor to over 9000nT southwest of the conductor.

LAKE GRID

The HLEM survey on the Lake grid delineated a number of conductors all of which have either a grid north-south on northwest-southeast trend (see figs 32-1 to 32-4). On figures 25-1, 26-1 and 27-1, the HLEM profile maps a continuous, well defined EM conductor striking roughly grid north-south from about 14000E on line 109100N to about 13975E on line 108100N is coincident with a magnetic high. The conductor is well defined on the southern end and its signature suggests a shallow source with shallow dip to the east. The conductor weakens to the north and the mag. high is about 500nT lower in amplitude suggesting that the conductor may be somewhat deeper here. An east-west striking fault appears to truncate this conductor at its northern end.

On the northern portion of the Lake grid there are two weak parallel conductors which are about 400 metres apart. The western conductor is mainly described by the out-of-phase response with little or no response from the in-phase component. The magnetic response associated with this conductor is low amplitude and in the order of a few hundred nano-teslas. The second conductor to the west trends from about 13500E on line 109900N to 13850E on line 109200N. The magnetic response associated with this conductor is much higher in amplitude with increases of over 1000nT across 25 metres. Both of these parallel conductors appear to be terminated by the previously described east-west striking fault.

Towards the centre of the Lake grid a well defined conductor trends from about 14350E on line 109500N to 14450E on line 108500N. This conductor has an apparent dip to the east and is associated with only minor changes in the magnetic response (a few hundred nT).

In the northeast area of the Lake grid (figs 20-3, 25-3, 26-3, 27-3 and 32-3) the magnetic response is generally flat and low (about 7800nT) to the west of 15650E. To the east of this the magnetics are somewhat more active with values ranging from 7500nT to 9000nT with the majority of the magnetic response being moderately high (between 8000nT an d 8500nT). The HLEM survey in this area produced a plethora of conductors in the vicinity of active magnetics and only one narrow and isolated conductor to the west in the area with no significant magnetic response.

It is believed that a number of the conductors to the east are a result of geologic noise or varying thickness of overburden. Those conductors considered to be significant are along the contact delineated by the increase in magnetic response and have been plotted on figure 32-3.

DUB GRID

A long continuous north-south conductor with a strike length of 3 kilometres was delineated on the Dub grid. An intense mag high is associated with this conductor along its entire length and is most probably caused by a magnetite bearing iron formation. Mag values to the east and west of the

conductor are relatively low and uninteresting. In the centre of the grid between lines 102200N and 103000N the magnetic contrast is extremely high increasing from a low of 7000 nT to over 13000nT within a few tens of metres. This dipolar signature is very similar to that on the Kona grid, however here the EM conductors appear to be on the flanks rather than the peaks of the mag highs.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The geophysical surveys performed on the Fyre Lake property have successfully delineated a number of continuous conductors which are believed to be associated with iron formations with potential for hosting economic massive sulphides.

In 1996, Columbia Gold Mines Ltd. carried out an aggressive drill campaign totaling about 9683 metres in 72 holes concentrated mainly on testing the conductors in the Kona zone. To date only 25% of the aerial extent of the geophysical and geochemical anomaly has been tested, with preliminary calculations suggesting a weighted average of 0.12% cobalt, 1.9% copper and 0.53 g/t gold over an average thickness of 13 metres of the upper horizon and 0.12% cobalt, 1.2% copper and 0.77 g/t gold over an average thickness of 7 metres for the lower horizon. The Kona zone still remains open to the north, south and west.

The geophysical signature of the Kona zone is a dipolar (rapid increase from extreme low to extreme high) magnetic response with the EM conductor being associated with the mag highs.

Based on the encouraging results of the 1996 exploration program, an additional drill program is recommended to further test the economic potential of the Kona deposit and its extents.

No holes were drilled on either the Lake grid or Dub grid in 1996. Drill testing of these grids is therefore recommended with initial holes concentrated in those areas which have a geophysical signature similar to that of the Kona deposit in conjunction with favourable geochemistry. Further drill testing of these areas would then be based on the success or failure of the first few holes in each

area.

Where land holdings permit, additional HLEM and ground magnetic surveys are recommended to further delineate the EM conductors and magnetic linears where they remain open along strike. Finally , some geophysicists have successfully delineated massive sulphide bodies at depth using modified IP techniques. The writer believes that these deposits may lend themselves as prospective targets for the application of such techniques

Respectfully submitted,
LLOYD GEOPHYSICS INC.

Daniel A. Klit, B.Sc.
Geophysicist

December, 1996
Vancouver, B.C.

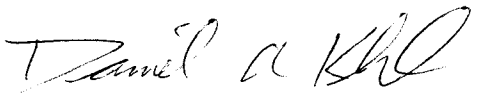
CERTIFICATION

I, Daniel A. Klit, of 455 - 409 Granville Street in the City of Vancouver, in the Province of British Columbia, do hereby cerfity that:

1. I graduated from the University of British Columbia in 1987 with a B.Sc. in Geophysics.

2. I am a member in good standing of the Society of Exploration Geophysicists of America, British Columbia Geophysical Society, British Columbia and Yukon Chamber of Mines and the Northwest Mining Association.

3. I have practiced my profession continuously since 1987.



December 1996
Vancouver, B.C.

CERTIFICATION

I, Franz Dziuba, of 455 - 409 Granville Street in the City of Vancouver, in the Province of British Columbia, do hereby cerfity that:

1. I graduated from the University of British Columbia in 1987 with a B.Sc. in Geophysics.

2. I am a member in good standing of the Society of Exploration Geophysicists of America, British Columbia Geophysical Society and the British Columbia and Yukon Chamber of Mines.

3. I have practiced my profession continuously since 1988.

Franz Dziuba

December 1996
Vancouver, B.C.

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E

113200N 113100N 113000N 112900N 112800N 112700N 112600N 112500N 112400N 112300N 112200N 112100N 112000N 111900N 111800N 111700N 111600N 111500N 111400N 111300N 111200N 111100N 111000N 110900N

LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

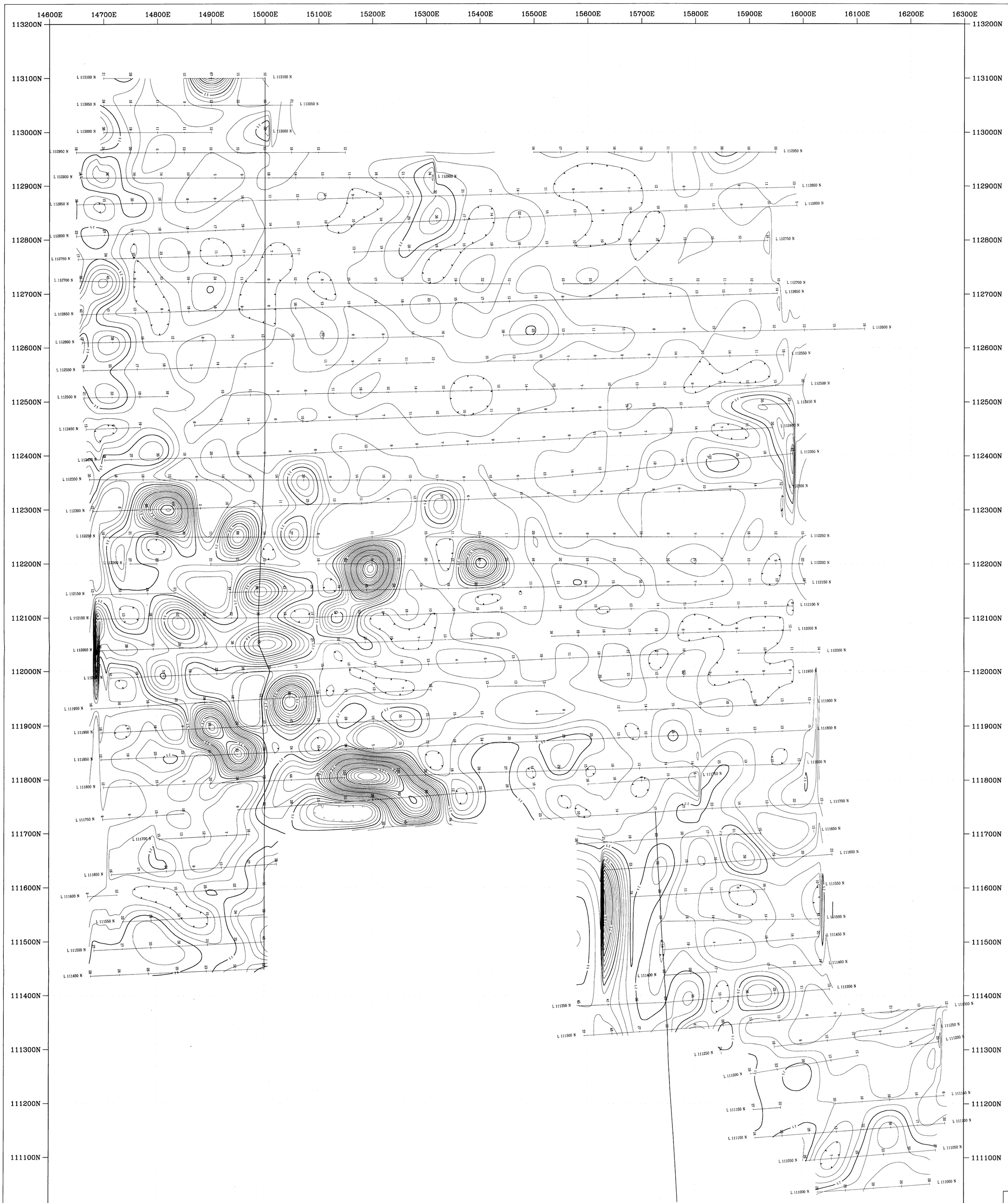
COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

COPPER (ppm)
KONA GRID

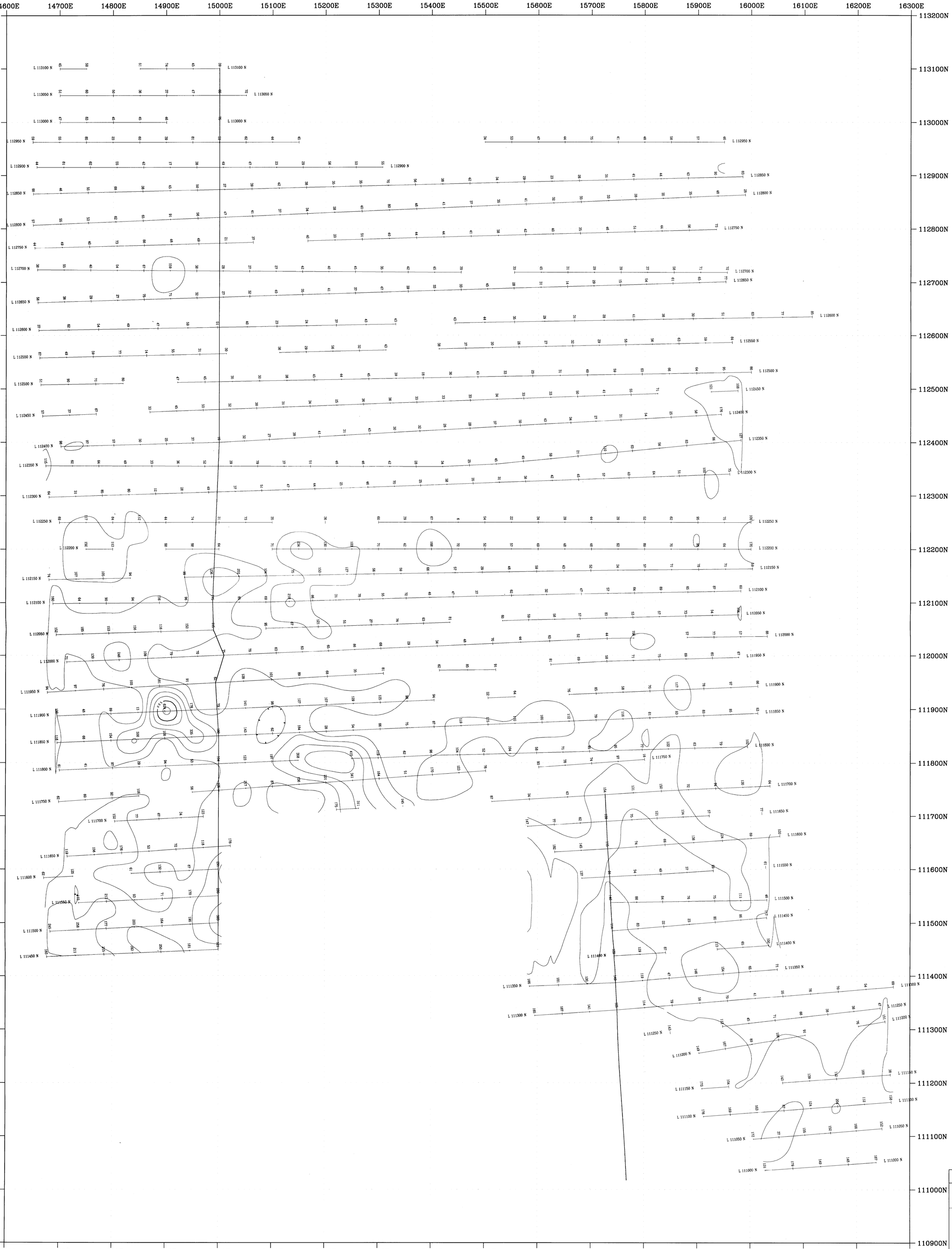
Scale 1:2500 Project No: 96397 Figure 16A

LLOYD GEOPHYSICS INC.


14600E
14700E
14800E
14900E
15000E
15100E
15200E
15300E
15400E
15500E
15600E
15700E
15800E
15900E
16000E
16100E
16200E
16300E
113200N
113100N
113000N
112900N
112800N
112700N
112600N
112500N
112400N
112300N
112200N
112100N
112000N
111900N
111800N
111700N
111600N
111500N
111400N
111300N
111200N
111100N
111000N
110900N
N
LEGEND
CONTOUR INTERVALS
5 ppm
25 ppm
Scale 1:2500
50 0 50 100 150 200
(meters)
COLUMBIA GOLD MINES LTD.
FYRE LAKE PROJECT
YUKON TERRITORY
COBALT (ppm)
KONA GRID
Scale 1:2500 Project No: 96397 Figure 16B
LLOYD GEOPHYSICS INC.

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E

113200N 113100N 113000N 112900N 112800N 112700N 112600N 112500N 112400N 112300N 112200N 112100N 112000N 111900N 111800N 111700N 111600N 111500N 111400N 111300N 111200N 111100N 110900N



LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

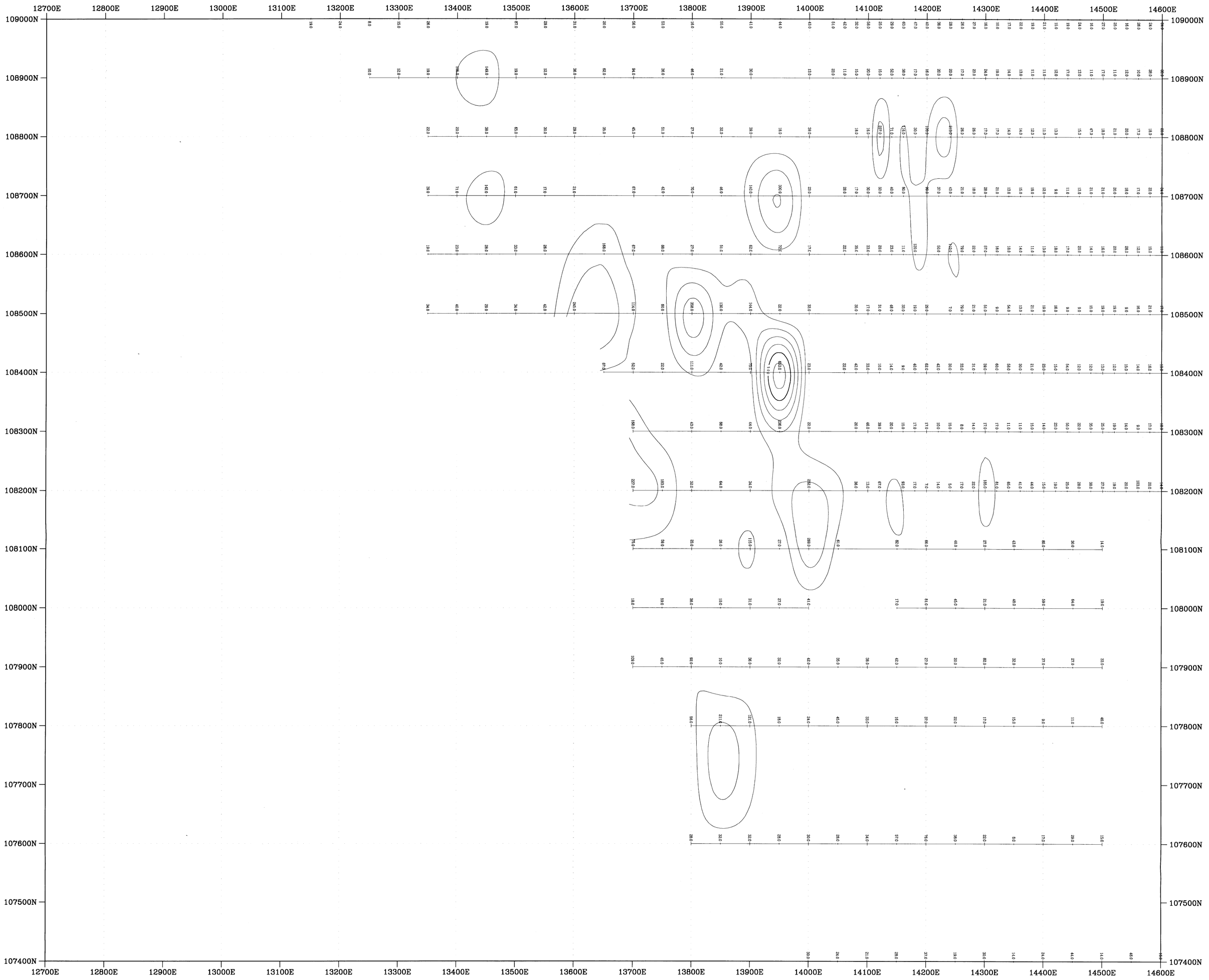
FYRE LAKE PROJECT
YUKON TERRITORY

ZINC (ppm)
KONA GRID

Scale 1:2500 Project No: 96397 Figure 16C

LLOYD GEOPHYSICS INC.

JOINS MAP 17A-2



JOINS MAP 17A-4



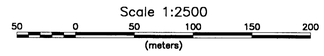
LAKE GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm



COLUMBIA GOLD MINES LTD.

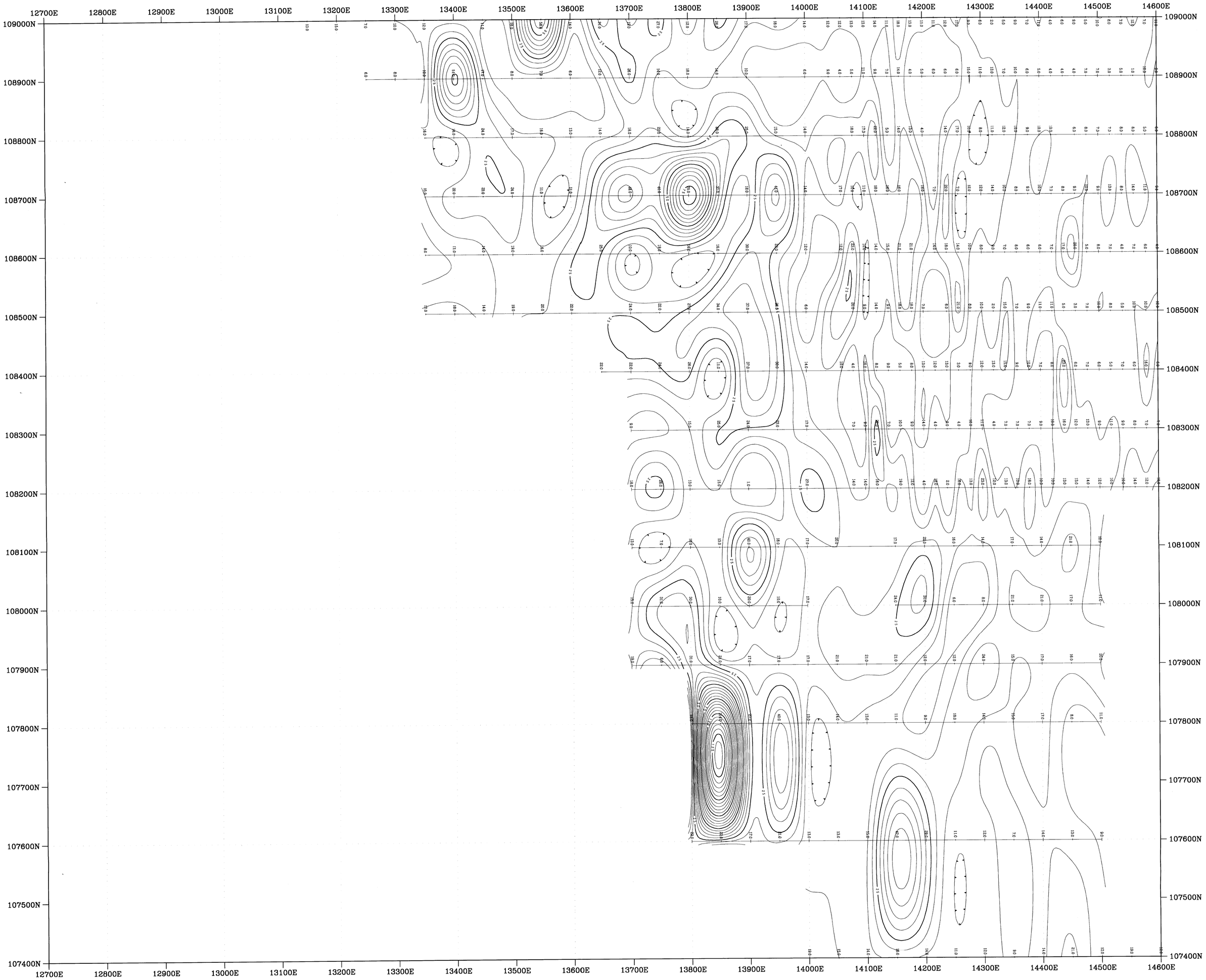
FYRE LAKE PROJECT
YUKON TERRITORY

COPPER (ppm)
LAKE GRID

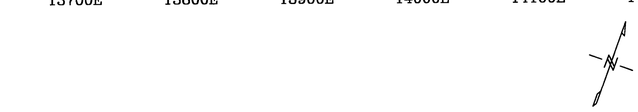
Scale 1:2500 Project No: 96397 Figure 17A-1

LLOYD GEOPHYSICS INC.

JOINS MAP 17B-2



JOINS MAP 17B-4



LAKE GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

5 ppm

25 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

COBALT (ppm)
LAKE GRID

Scale 1:2500 Project No: 96397 Figure 17B-1

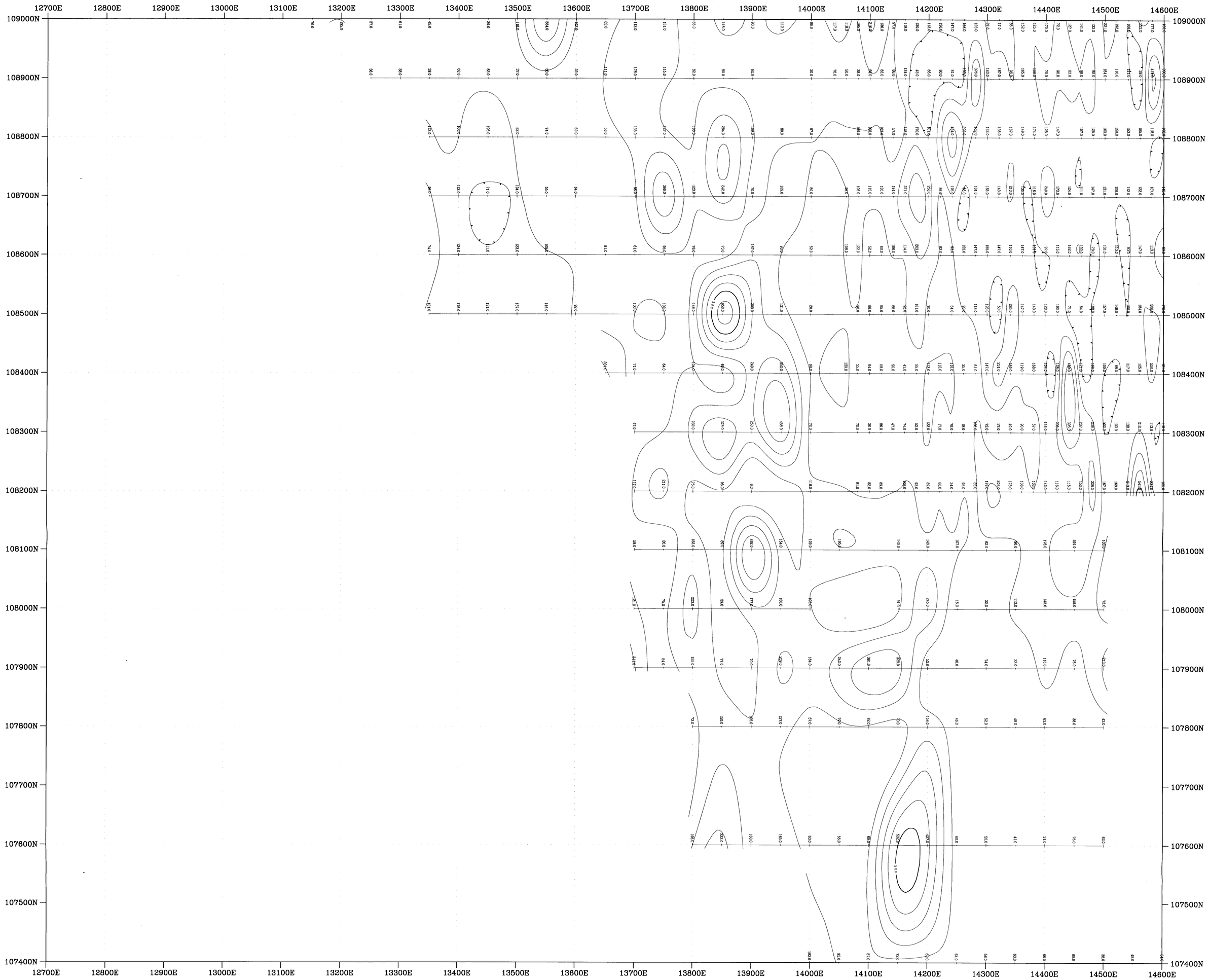
LLOYD GEOPHYSICS INC.

JOINS MAP 17C-2

JOINS MAP 17C-4

12700E 12800E 12900E 13000E 13100E 13200E 13300E 13400E 13500E 13600E 13700E 13800E 13900E 14000E 14100E 14200E 14300E 14400E 14500E 14600E

109000N 108900N 108800N 108700N 108600N 108500N 108400N 108300N 108200N 108100N 108000N 107900N 107800N 107700N 107600N 107500N 107400N





Scale 1:2500

50 0 50 100 150 200

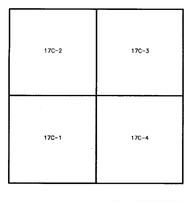
(meters)

LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm



LAKE GRID MAP SHEETS

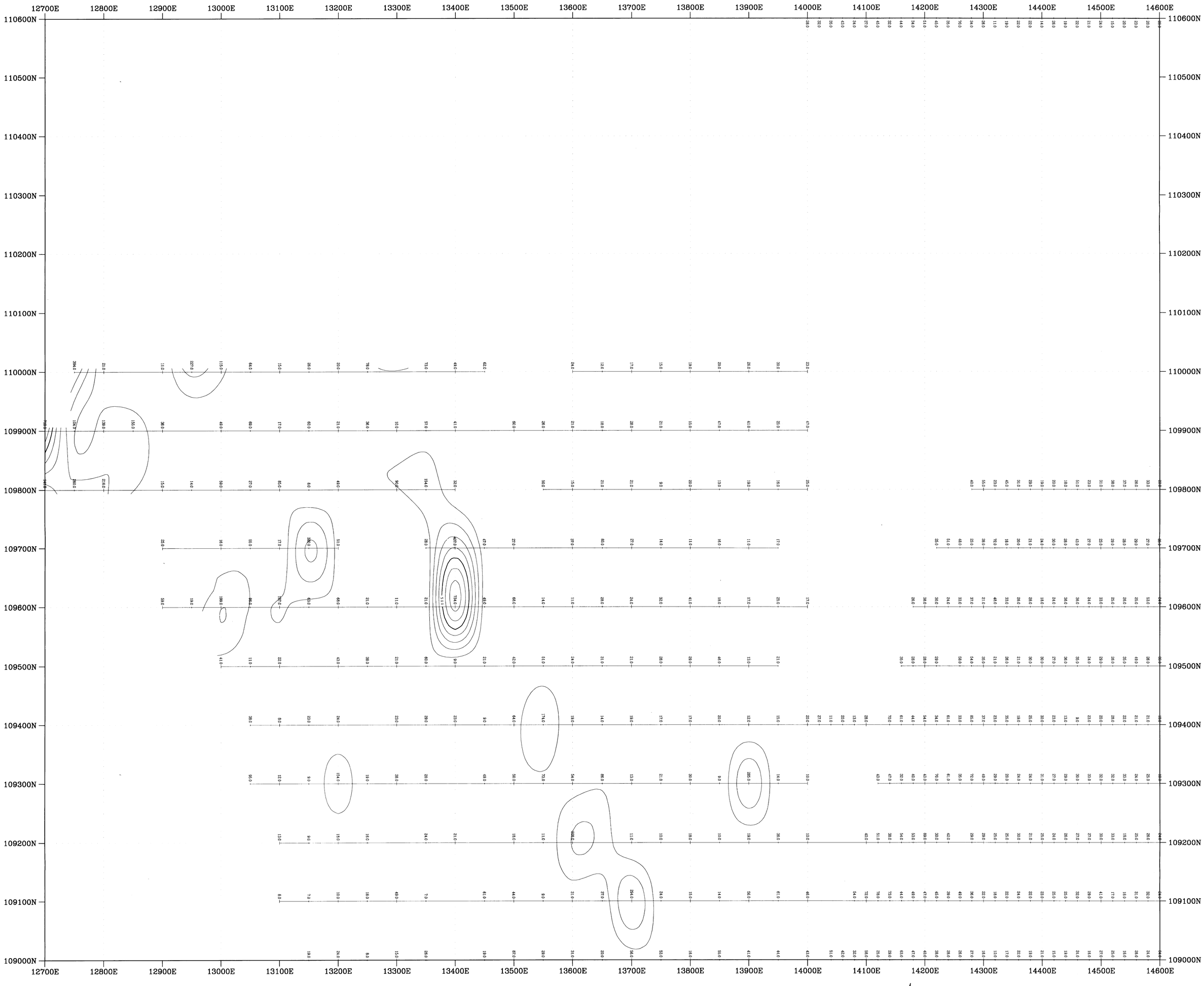
COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

ZINC (ppm)
LAKE GRID

Scale 1:2500 Project No: 96397 Figure 17C-1

LLOYD GEOPHYSICS INC.



JOINS MAP 17A-3

JOINS MAP 17A-1

17A-2	17A-3
17A-1	17A-4

LAKE GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

093569

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

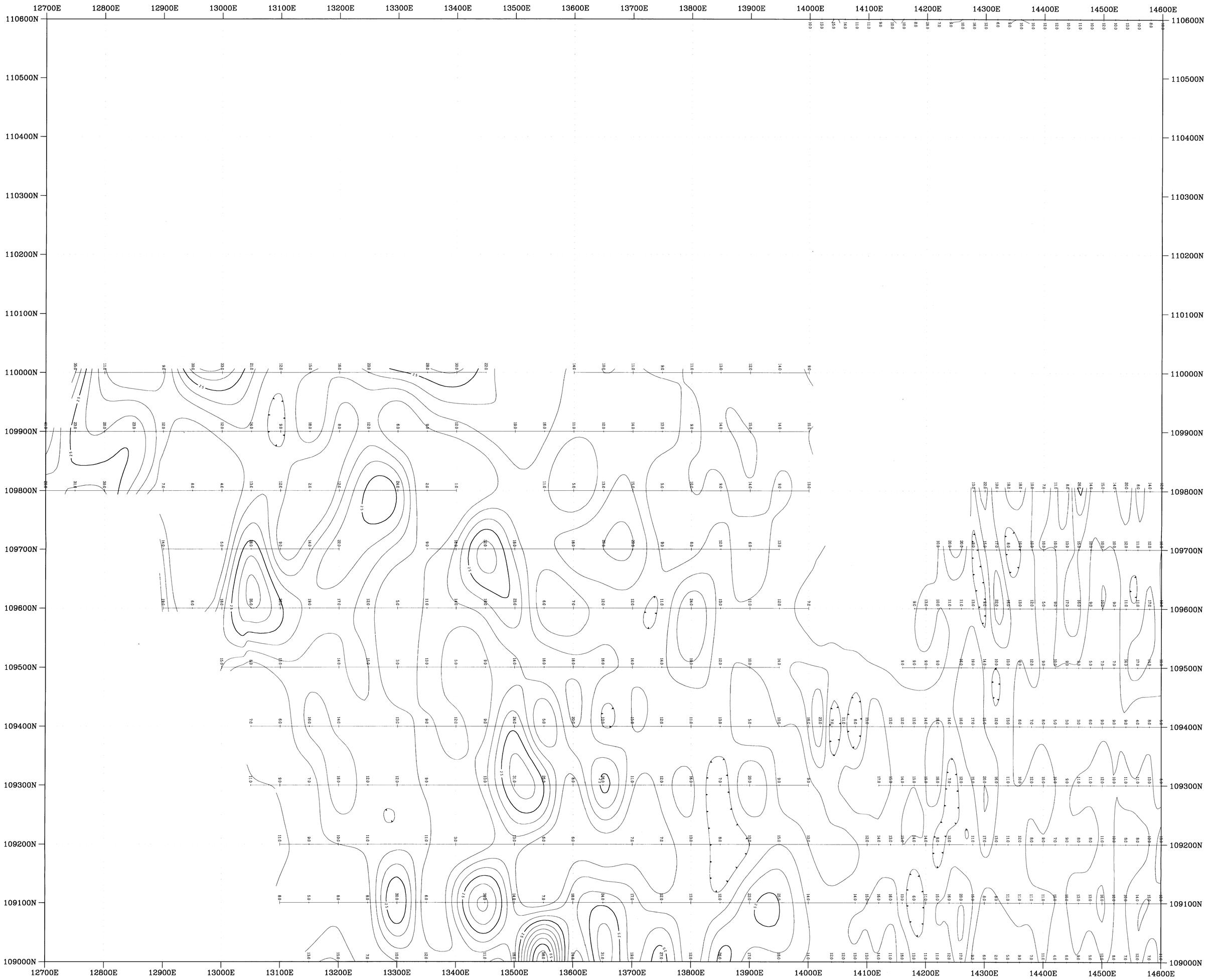
COPPER (ppm)
LAKE GRID

Scale 1:2500 Project No: 96397 Figure 17A-2

LLOYD GEOPHYSICS INC.

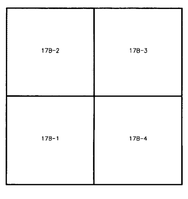
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110600N 110500N 110400N 110300N 110200N 110100N 110000N 109900N 109800N 109700N 109600N 109500N 109400N 109300N 109200N 109100N 109000N



JOINS MAP 17B-3

JOINS MAP 17B-1



LAKE GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

5 ppm

25 ppm

Scale 1:2500

50 0 50 100 150 200 (meters)

093569

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

COBALT (ppm)
LAKE GRID

Scale 1:2500 Project No: 96397 Figure 17B-2

LLOYD GEOPHYSICS INC.

12700E 12800E 12900E 13000E 13100E 13200E 13300E 13400E 13500E 13600E 13700E 13800E 13900E 14000E 14100E 14200E 14300E 14400E 14500E 14600E

110600N 110500N 110400N 110300N 110200N 110100N 110000N 109900N 109800N 109700N 109600N 109500N 109400N 109300N 109200N 109100N 109000N

JOINS MAP 17C-3

JOINS MAP 17C-1

LAKE GRID MAP SHEETS

17C-2	17C-3
17C-1	17C-4

LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm

Scale 1:2500

50 0 50 100 150 200 (meters)

093569

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

ZINC (ppm)
LAKE GRID

Scale 1:2500 Project No: 98397 Figure 17C-2

LLOYD GEOPHYSICS INC.

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E 16400E 16500E

110600N 110500N 110400N 110300N 110200N 110100N 110000N 109900N 109800N 109700N 109600N 109500N 109400N 109300N 109200N 109100N 109000N

JOINS MAP 17A-2

JOINS MAP 17A-4

LAKE GRID MAP SHEETS

17A-2 | 17A-3
17A-1 | 17A-4

LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm

Scale 1:2500

50 0 50 100 150 200 (meters)

093569

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

COPPER (ppm)
LAKE GRID

Scale 1:2500 Project No: 96397 Figure 17A-3

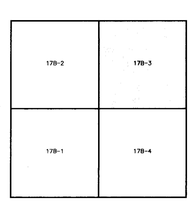
LLOYD GEOPHYSICS INC.

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E 16400E 16500E

110600N 110500N 110400N 110300N 110200N 110100N 110000N 109900N 109800N 109700N 109600N 109500N 109400N 109300N 109200N 109100N 109000N

JOINS MAP 17B-2

JOINS MAP 17B-4



LAKE GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

5 ppm

25 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

093569

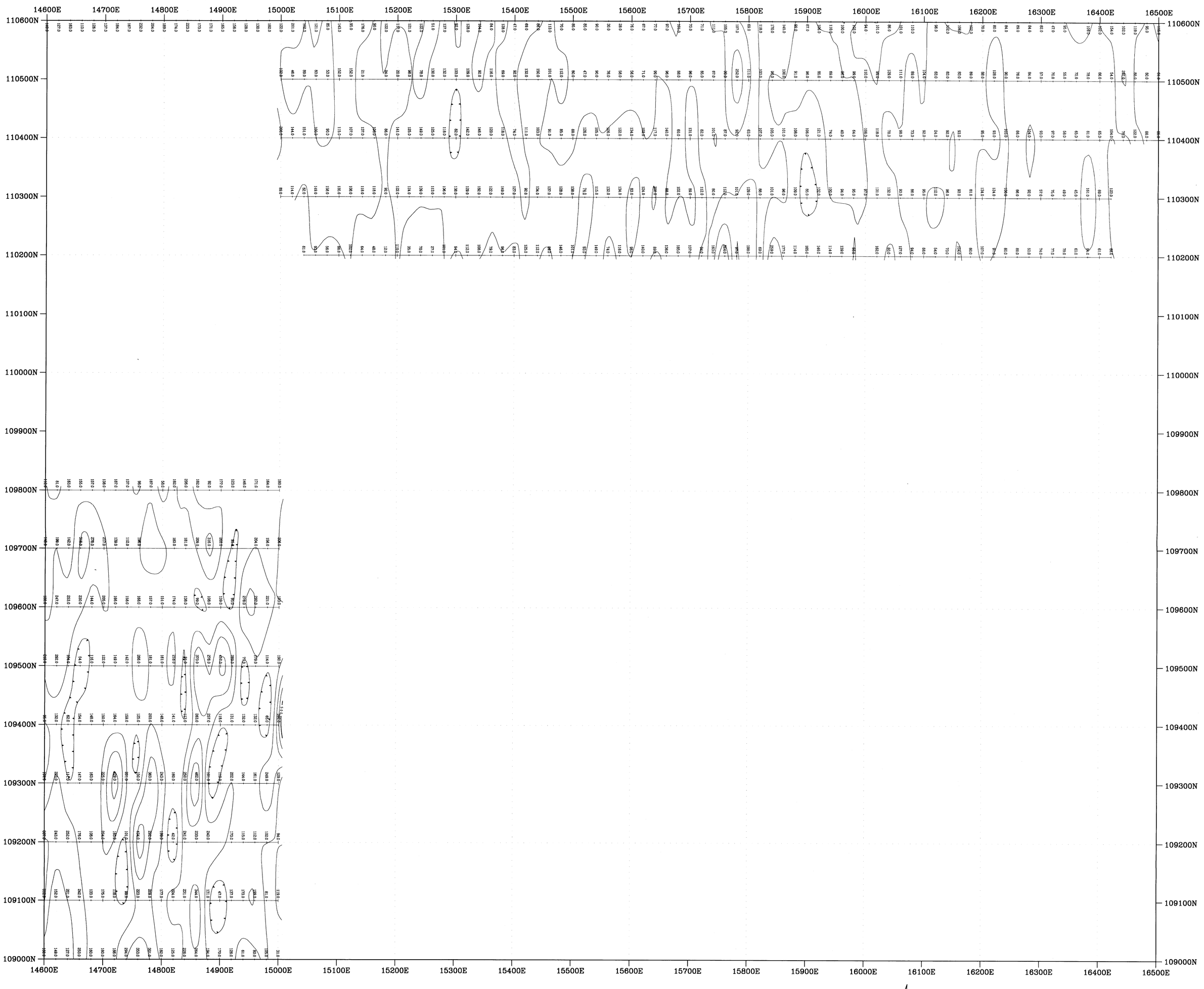
COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

COBALT (ppm)
LAKE GRID

Scale 1:2500 Project No: 96397 Figure 17B-3

LLOYD GEOPHYSICS INC.



JOINS MAP 17C-2

JOINS MAP 17C-4

17C-2	17C-3
17C-1	17C-4

LAKE GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

093569

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

ZINC (ppm)
LAKE GRID

Scale 1:2500 Project No: 96397 Figure 17C-3

LLOYD GEOPHYSICS INC.

JOINS MAP 17A-3

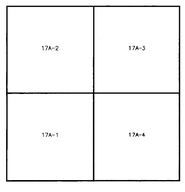
JOINS MAP 17A-1

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E 16400E 16500E

109000N 108900N 108800N 108700N 108600N 108500N 108400N 108300N 108200N 108100N 108000N 107900N 107800N 107700N 107600N 107500N 107400N



LAKE GRID MAP SHEETS



LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm

093569

Scale 1:2500

50 0 50 100 150 200 (meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

COPPER (ppm)
LAKE GRID

Scale 1:2500 Project No: 96397 Figure 17A-4

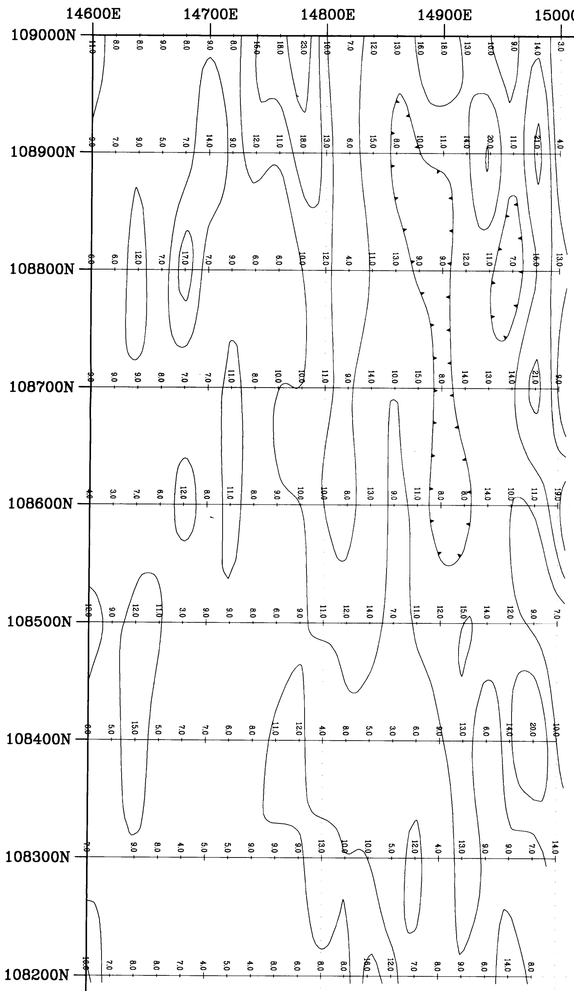
LLOYD GEOPHYSICS INC.

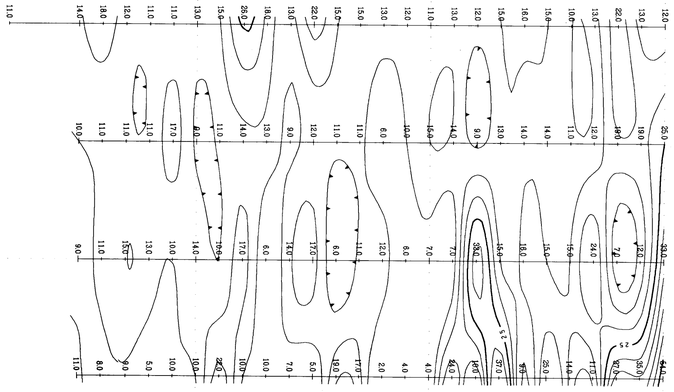
JOINS MAP 17B-3

JOINS MAP 17B-1

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E 16400E 16500E

109000N
108900N
108800N
108700N
108600N
108500N
108400N
108300N
108200N
108100N
108000N
107900N
107800N
107700N
107600N
107500N
107400N





LAKE GRID MAP SHEETS

17B-2	17B-3
17B-1	17B-4

LEGEND

CONTOUR INTERVALS

5 ppm

25 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

093569

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

COBALT (ppm)
LAKE GRID

Scale 1:2500 Project No: 96397 Figure 17B-4

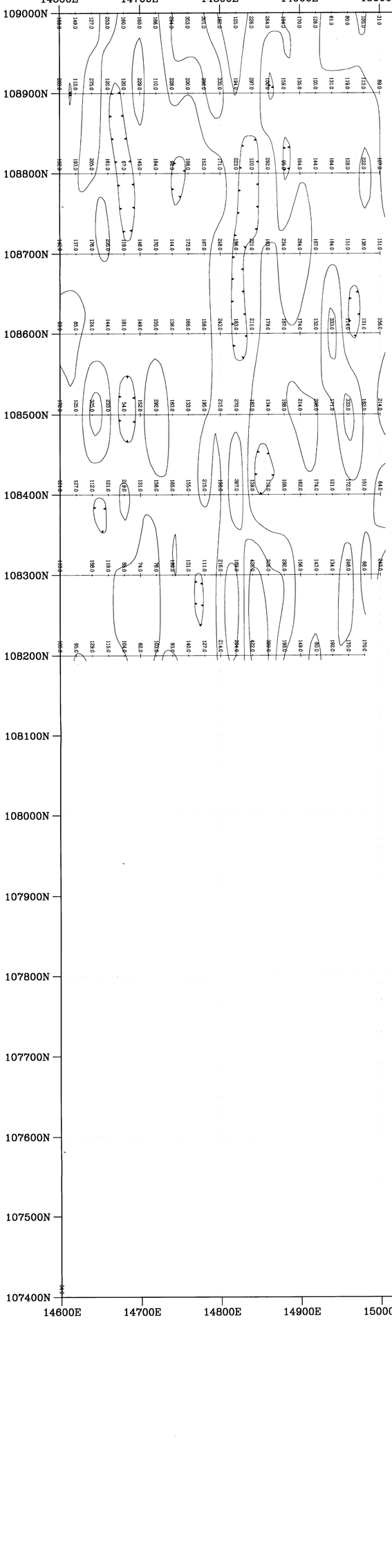
LLOYD GEOPHYSICS INC.

JOINS MAP 17C-3

JOINS MAP 17C-1

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E 16400E 16500E

109000N 108900N 108800N 108700N 108600N 108500N 108400N 108300N 108200N 108100N 108000N 107900N 107800N 107700N 107600N 107500N 107400N



093569

Scale 1:2500

50 0 50 100 150 200

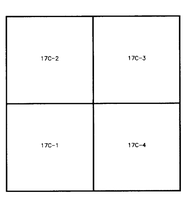
(meters)

LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm



LAKE GRID MAP SHEETS

COLUMBIA GOLD MINES LTD.

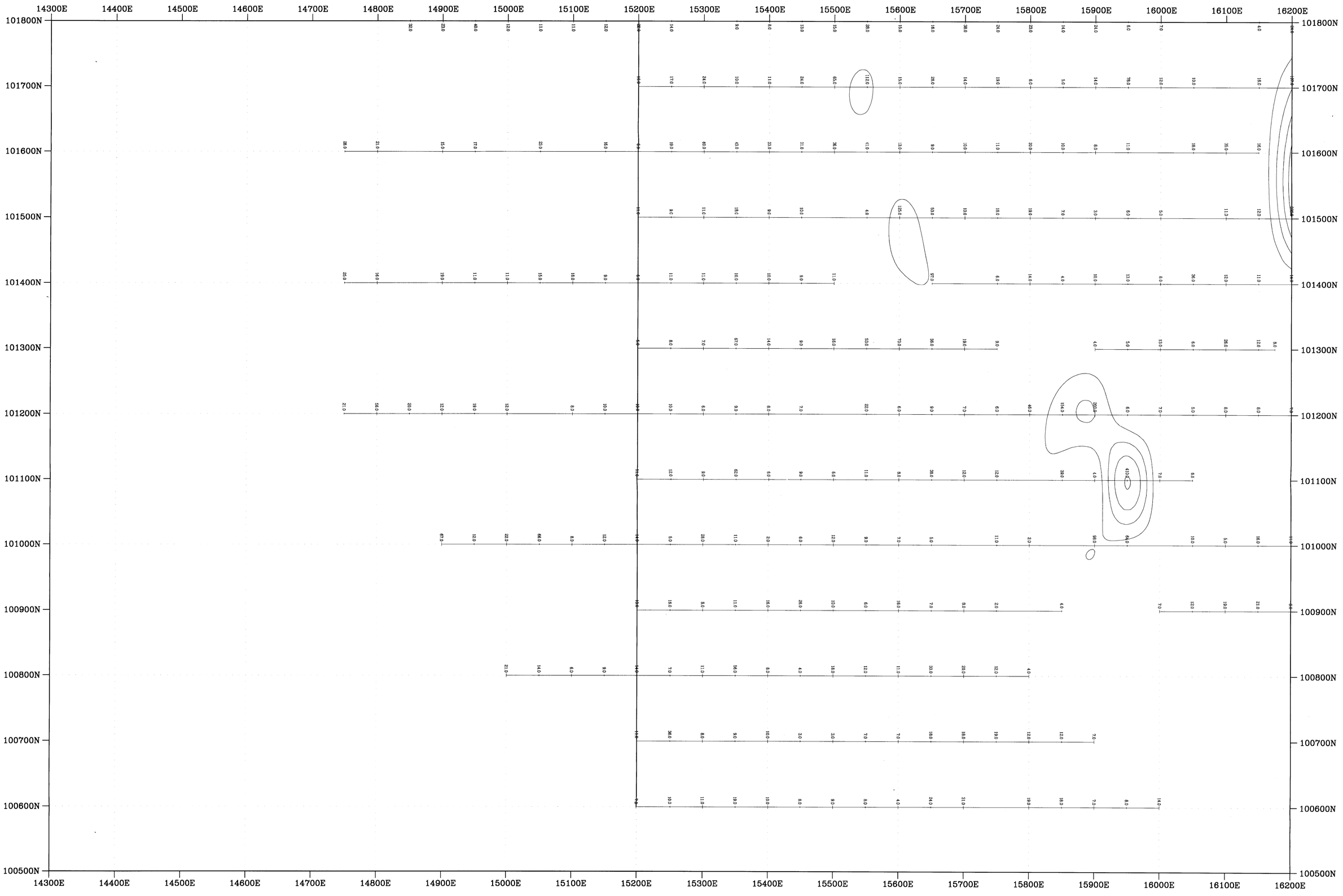
FYRE LAKE PROJECT
YUKON TERRITORY

ZINC (ppm)
LAKE GRID

Scale 1:2500 Project No: 96397 Figure 17C-4

LLOYD GEOPHYSICS INC.

JOINS MAP 18A-2



18A-3
18A-2
18A-1

DUB GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm

093569

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

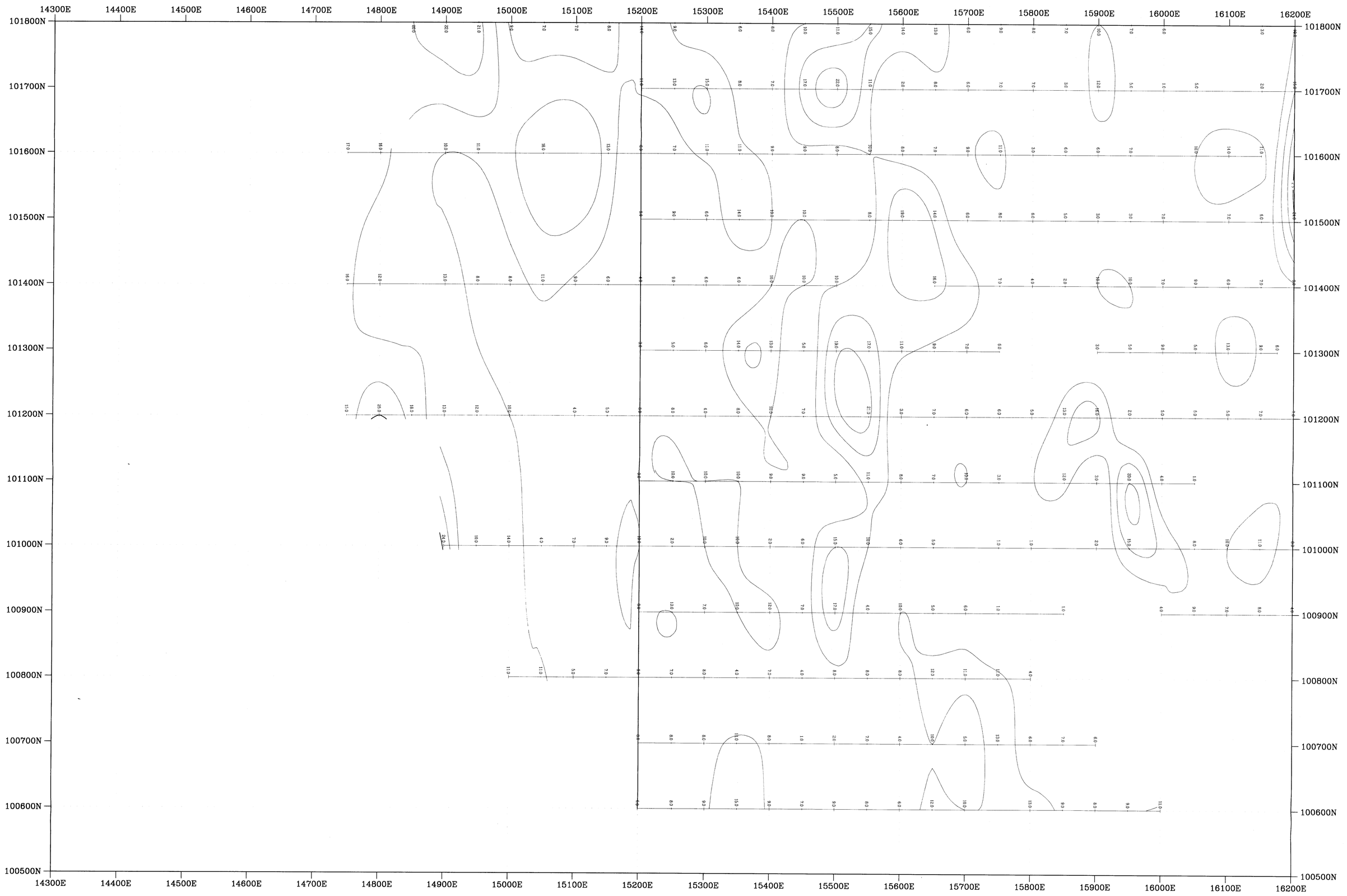
FYRE LAKE PROJECT
YUKON TERRITORY

COPPER (ppm)
DUB GRID

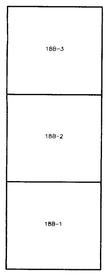
Scale 1:2500 Project No: 96397 Figure 18A-1

LLOYD GEOPHYSICS INC.

JOINS MAP 18B-2



093569



DUB GRID MAP SHEETS



LEGEND

CONTOUR INTERVALS

5 ppm

25 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

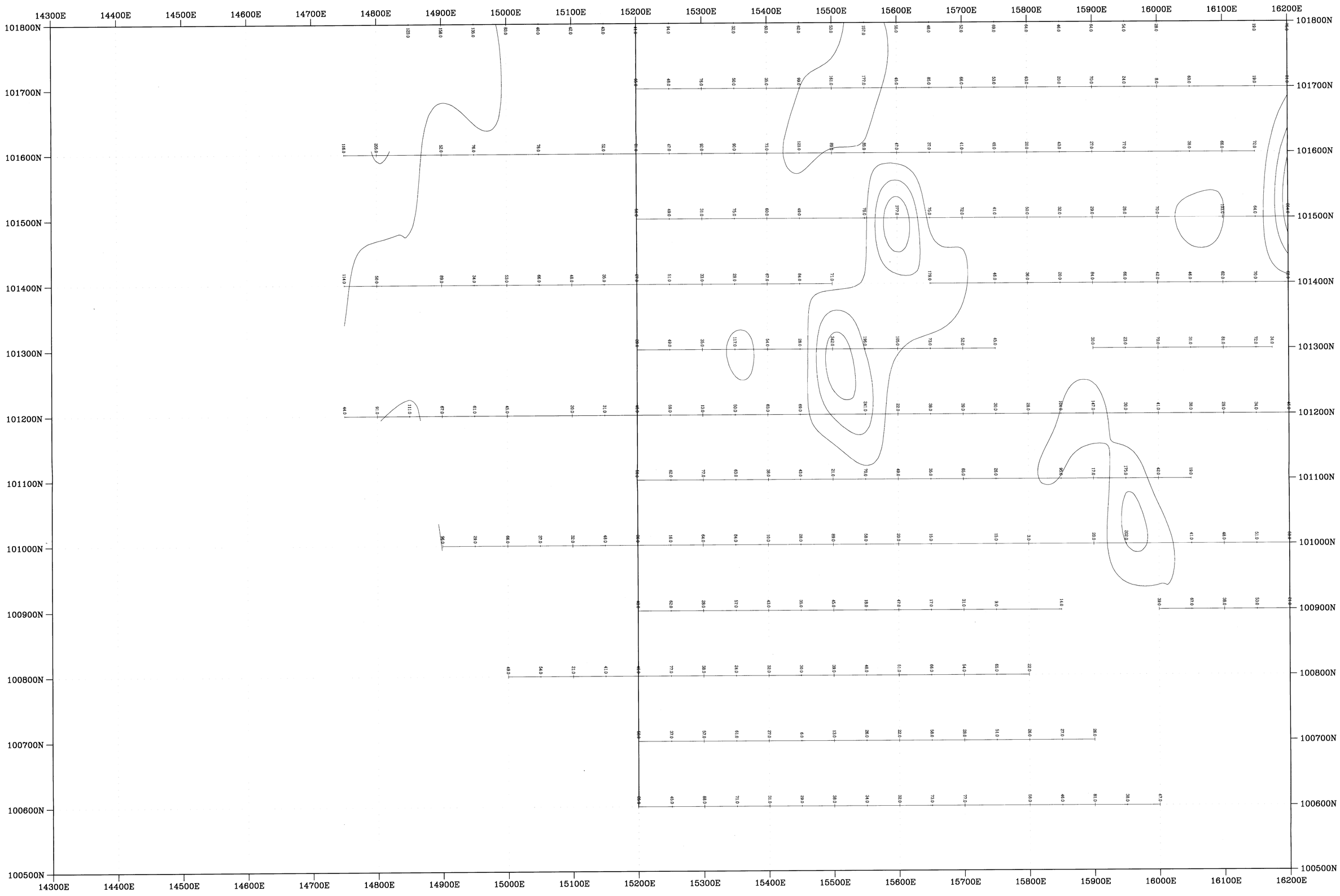
FYRE LAKE PROJECT
YUKON TERRITORY

COBALT (ppm)
DUB GRID

Scale 1:2500 Project No: 96397 Figure 18B-1

LLOYD GEOPHYSICS INC.

JOINS MAP 18C-2



18C-3
18C-2
18C-1

DUB GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

25 ppm

100 ppm

093569

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

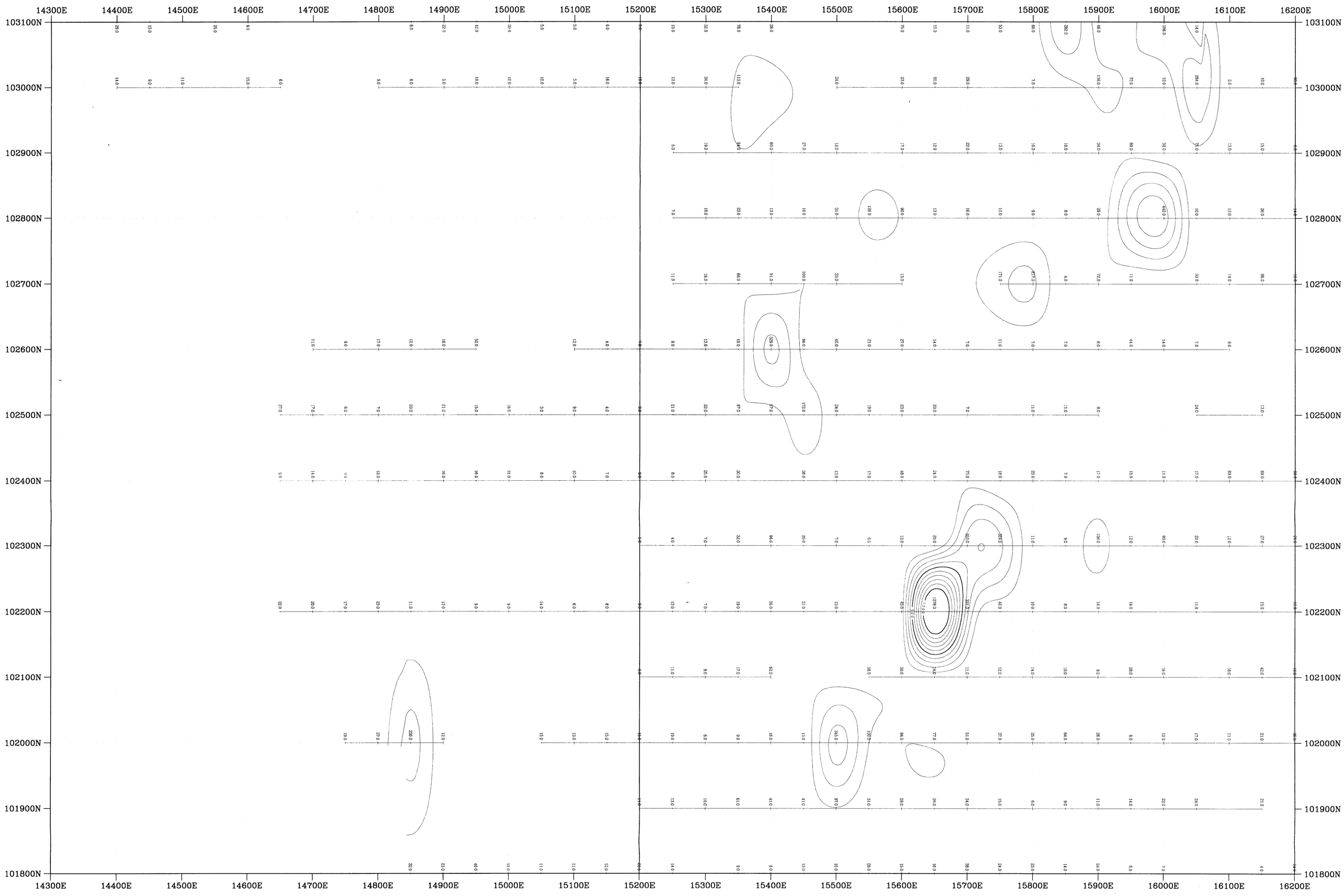
FYRE LAKE PROJECT
YUKON TERRITORY

ZINC (ppm)
DUB GRID

Scale 1:2500 Project No: 96397 Figure 18C-1

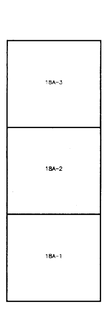
LLOYD GEOPHYSICS INC.

JOINS MAP 18A-3



JOINS MAP 18A-1

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DUB GRID MAP SHEETS



LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

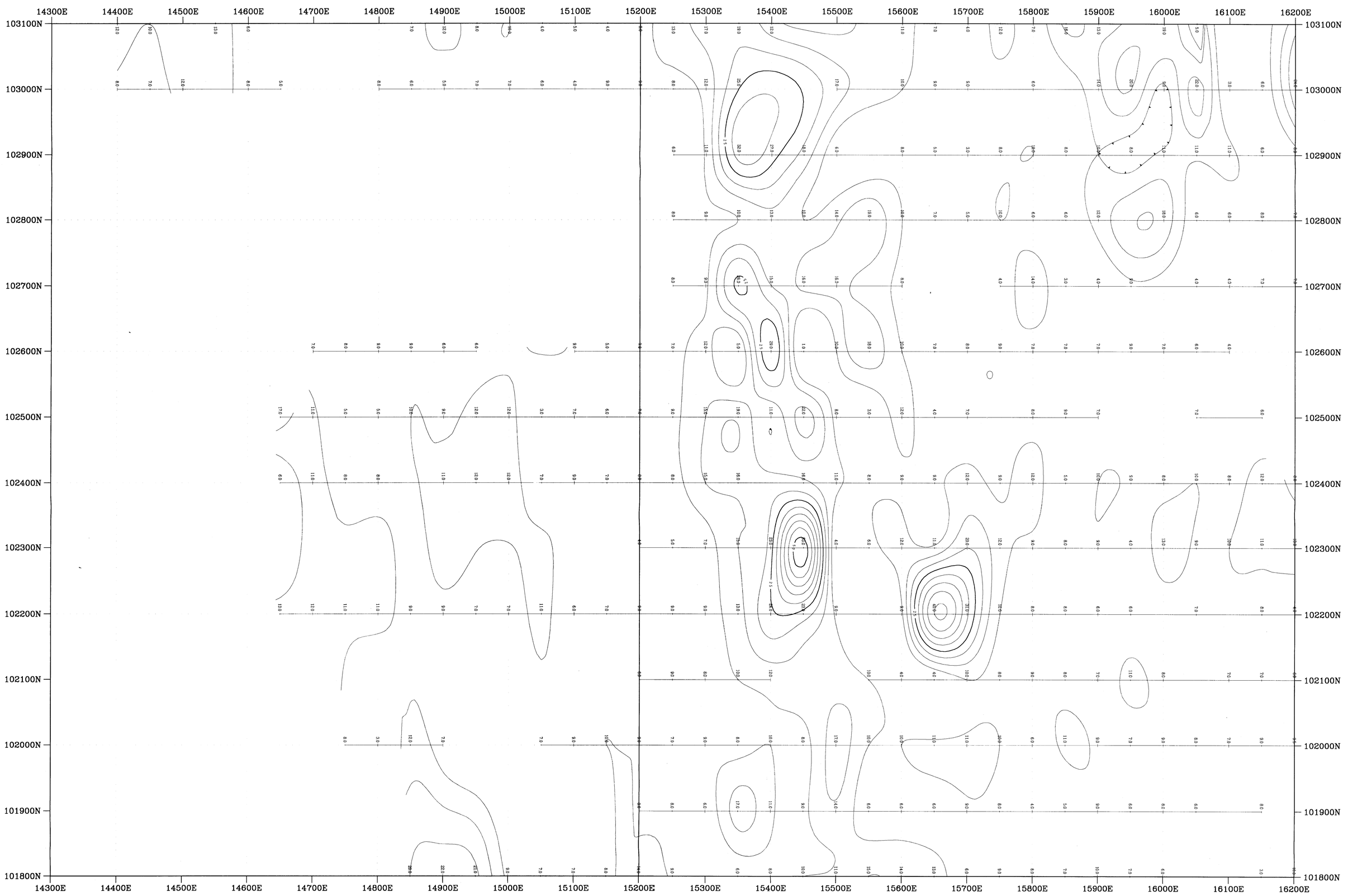
FYRE LAKE PROJECT
YUKON TERRITORY

COPPER (ppm)
DUB GRID

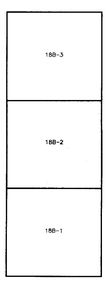
Scale 1:2500 Project No: 96397 Figure 18A-2

LLOYD GEOPHYSICS INC.

JOINS MAP 18B-3



JOINS MAP 18B-1



DUB GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

5 ppm

25 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

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COLUMBIA GOLD MINES LTD.

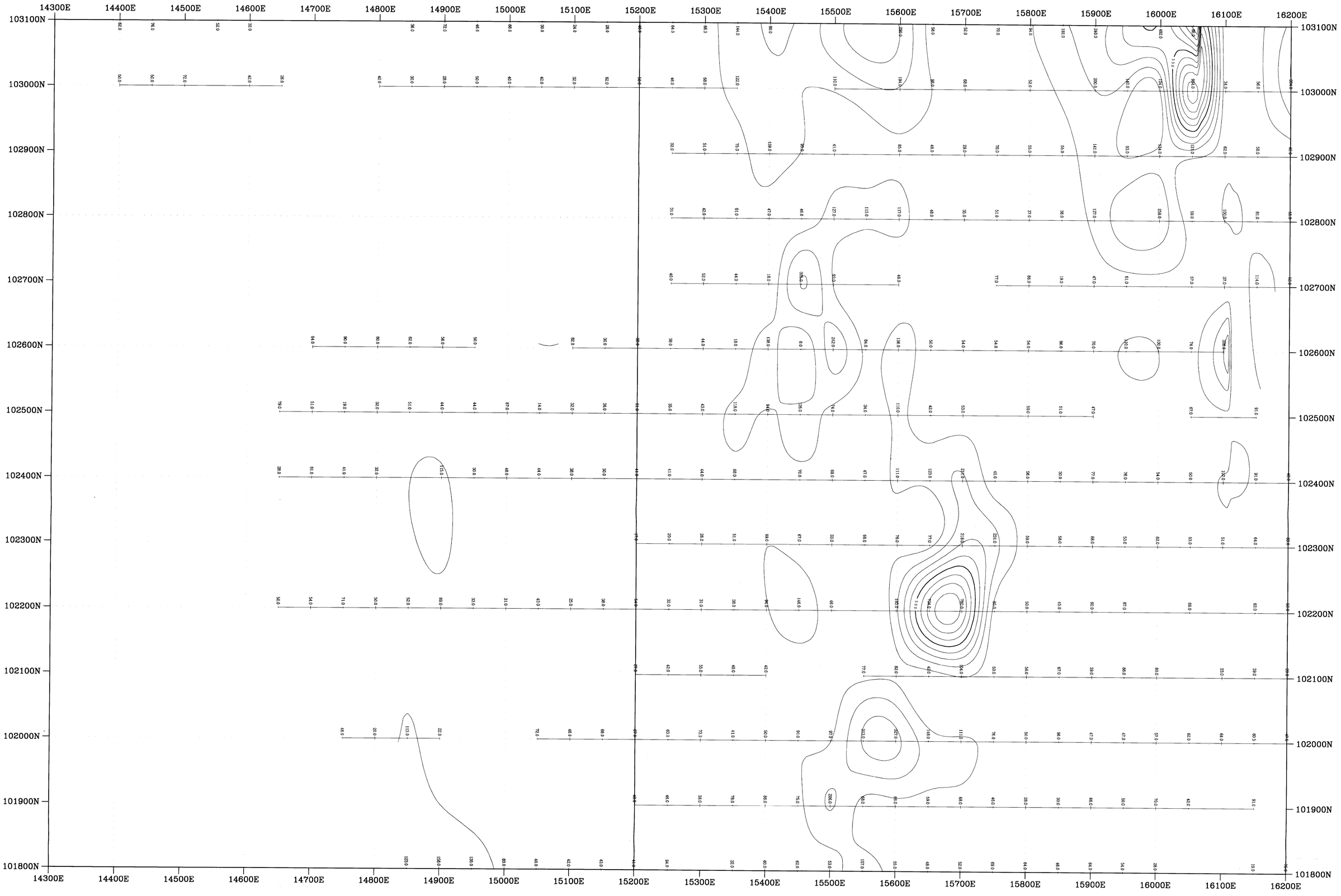
FYRE LAKE PROJECT
YUKON TERRITORY

COBALT (ppm)
DUB GRID

Scale 1:2500 Project No: 96397 Figure 18B-2

LLOYD GEOPHYSICS INC.

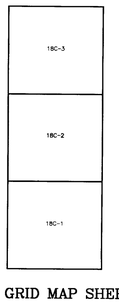
JOINS MAP 18C-3



JOINS MAP 18C-1

093569





DUB GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

25 ppm

100 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

ZINC (ppm)
DUB GRID

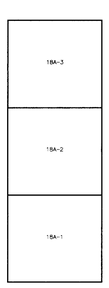
Scale 1:2500 Project No: 96397 Figure 18C-2

LLOYD GEOPHYSICS INC.

14300E 14400E 14500E 14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E

104400N 104300N 104200N 104100N 104000N 103900N 103800N 103700N 103600N 103500N 103400N 103300N 103200N 103100N

JOINS MAP 18A-2



DUB GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

100 ppm

500 ppm

093569

Scale 1:2500

50 0 50 100 150 200

(meters)

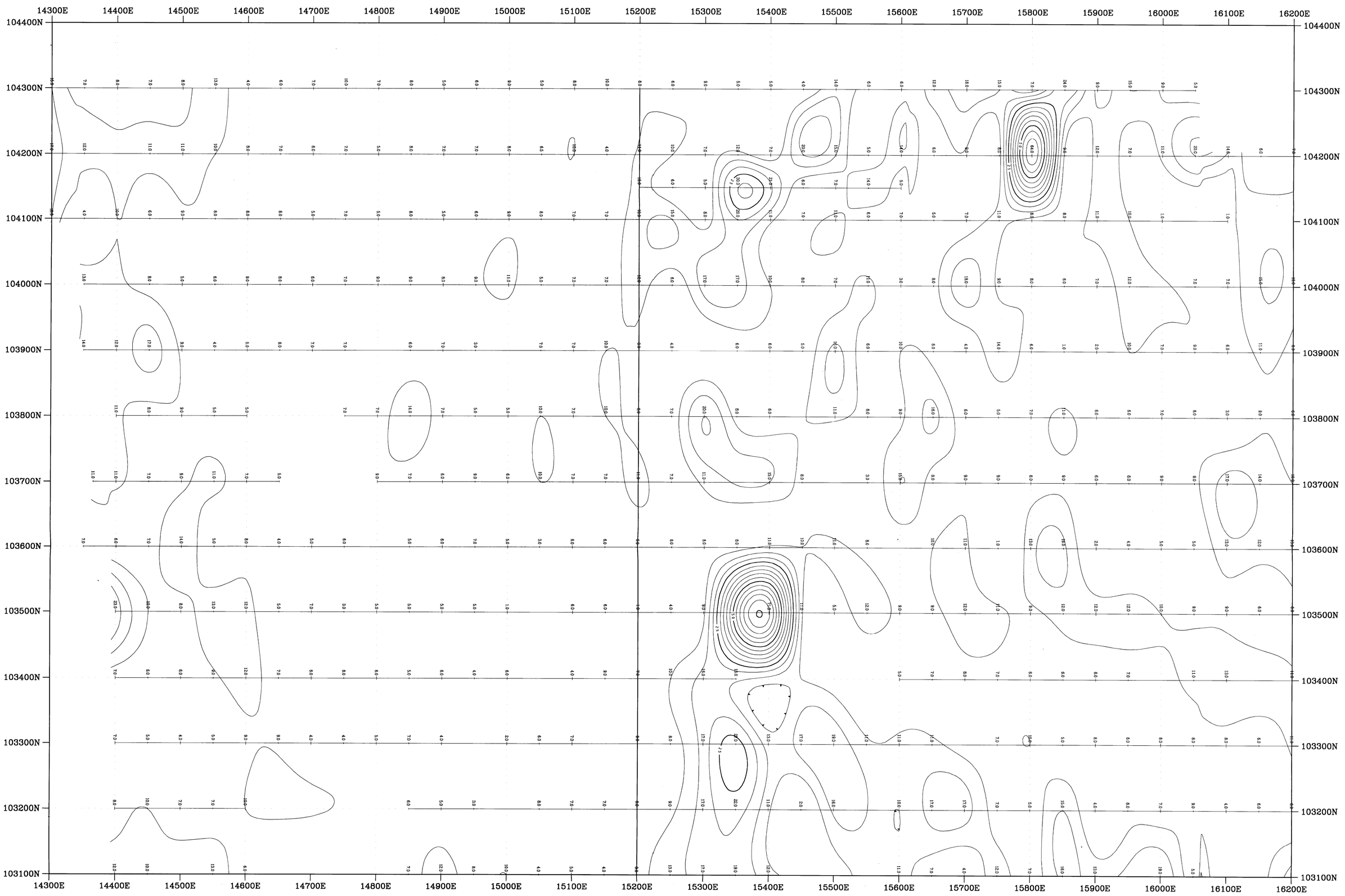
COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

COPPER (ppm)
DUB GRID

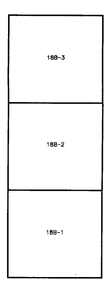
Scale 1:2500 **Project No: 96397** **Figure 18A-3**

LLOYD GEOPHYSICS INC.



JOINS MAP 18B-2

093569



DUB GRID MAP SHEETS



LEGEND

CONTOUR INTERVALS

5 ppm

25 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

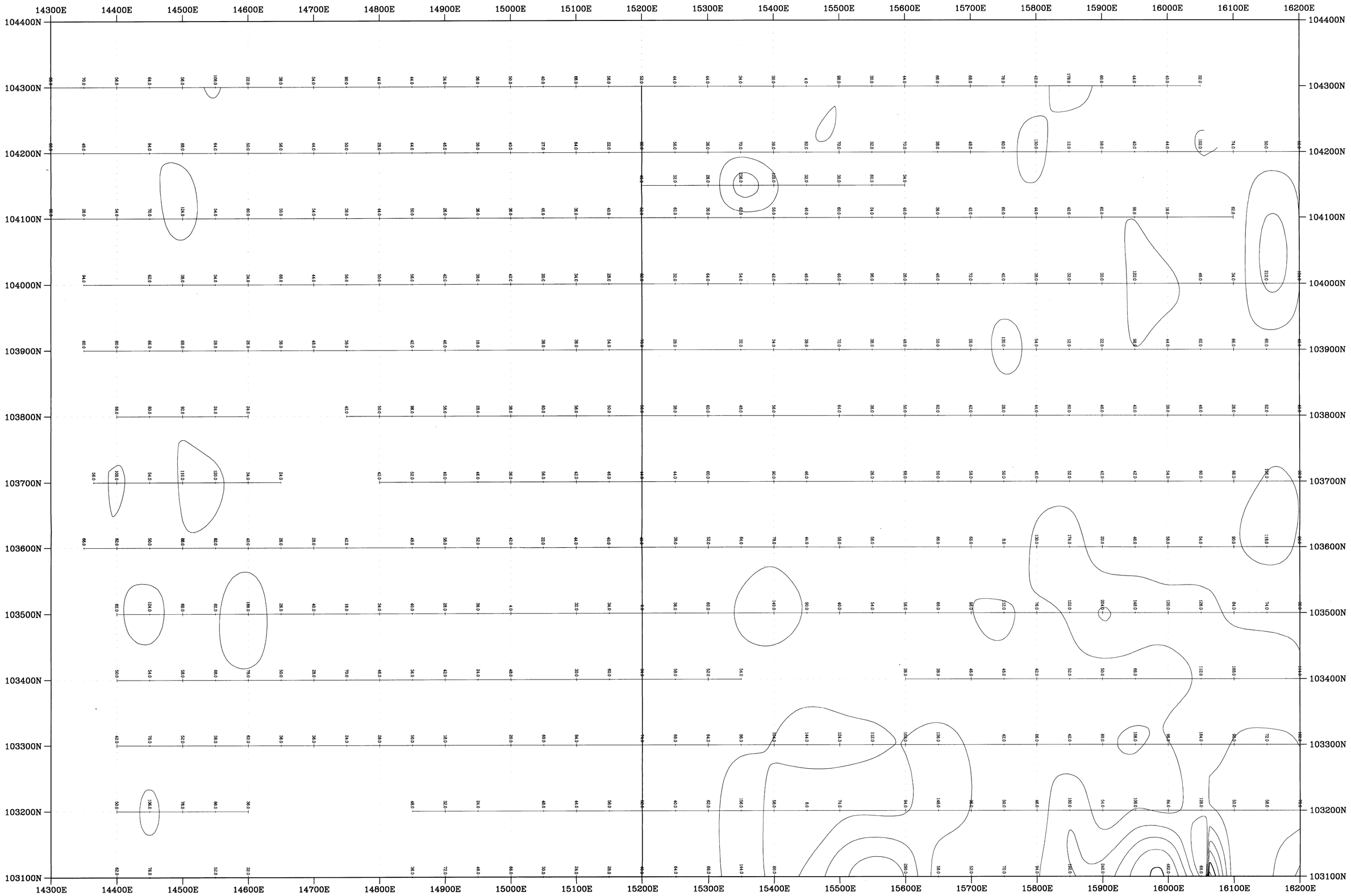
COBALT (ppm)
DUB GRID

Scale 1:2500 Project No: 96397 Figure 18B-3

LLOYD GEOPHYSICS INC.

14300E 14400E 14500E 14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E

104400N 104300N 104200N 104100N 104000N 103900N 103800N 103700N 103600N 103500N 103400N 103300N 103200N 103100N



JOINS MAP 18C-2

093569

18C-3
18C-2
18C-1

DUB GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

25 ppm

100 ppm

Scale 1:2500

50 0 50 100 150 200

(meters)

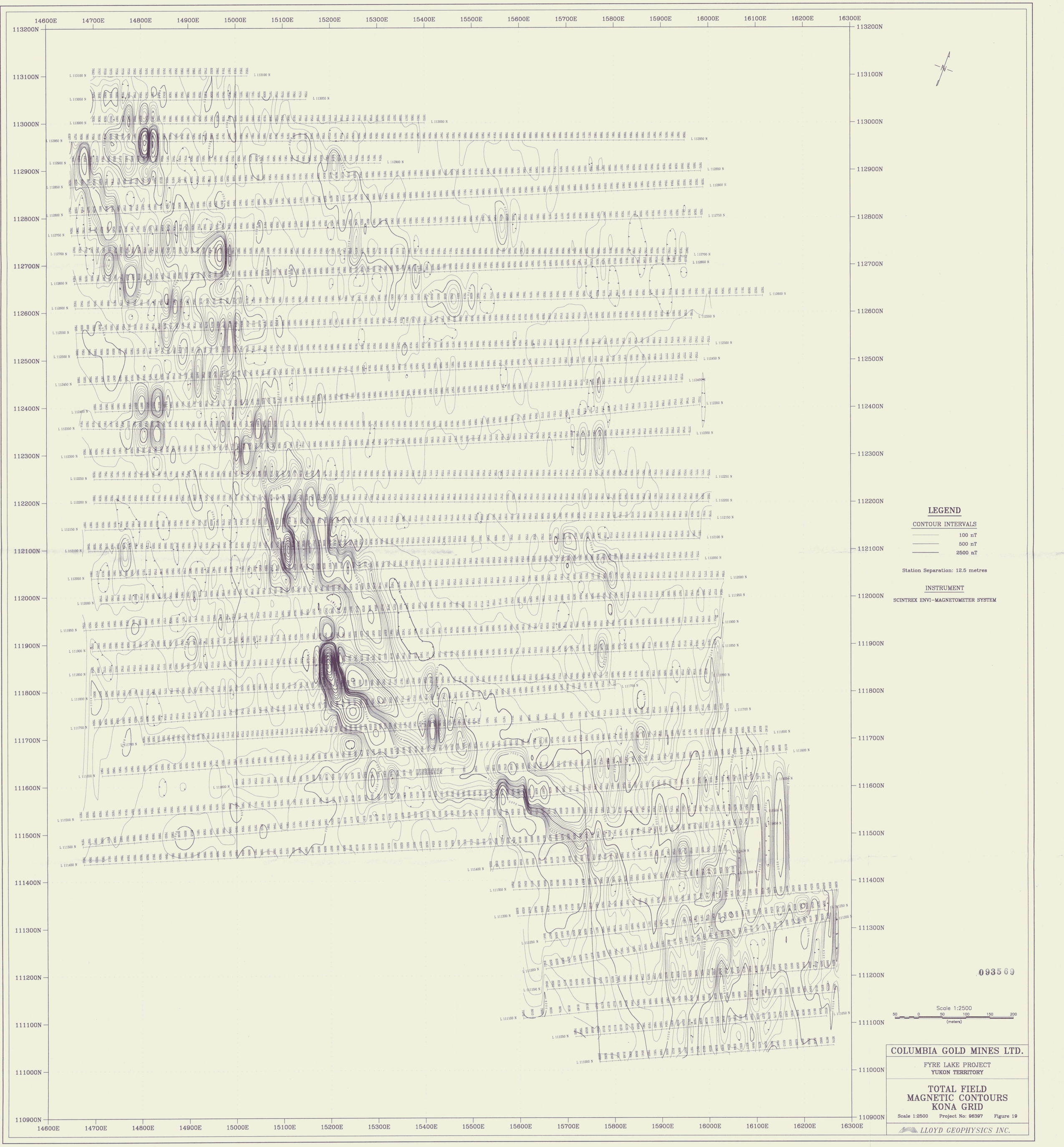
COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

ZINC (ppm)
DUB GRID

Scale 1:2500 Project No: 96397 Figure 18C-3

LLOYD GEOPHYSICS INC.



LEGEND

CONTOUR INTERVALS

100 nT

500 nT

2500 nT

Station Separation: 12.5 metres

INSTRUMENT

SCINTREX ENVI-MAGNETOMETER SYSTEM

093569

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT

YUKON TERRITORY

TOTAL FIELD MAGNETIC CONTOURS KONA GRID

Scale 1:2500 Project No: 96397 Figure 19

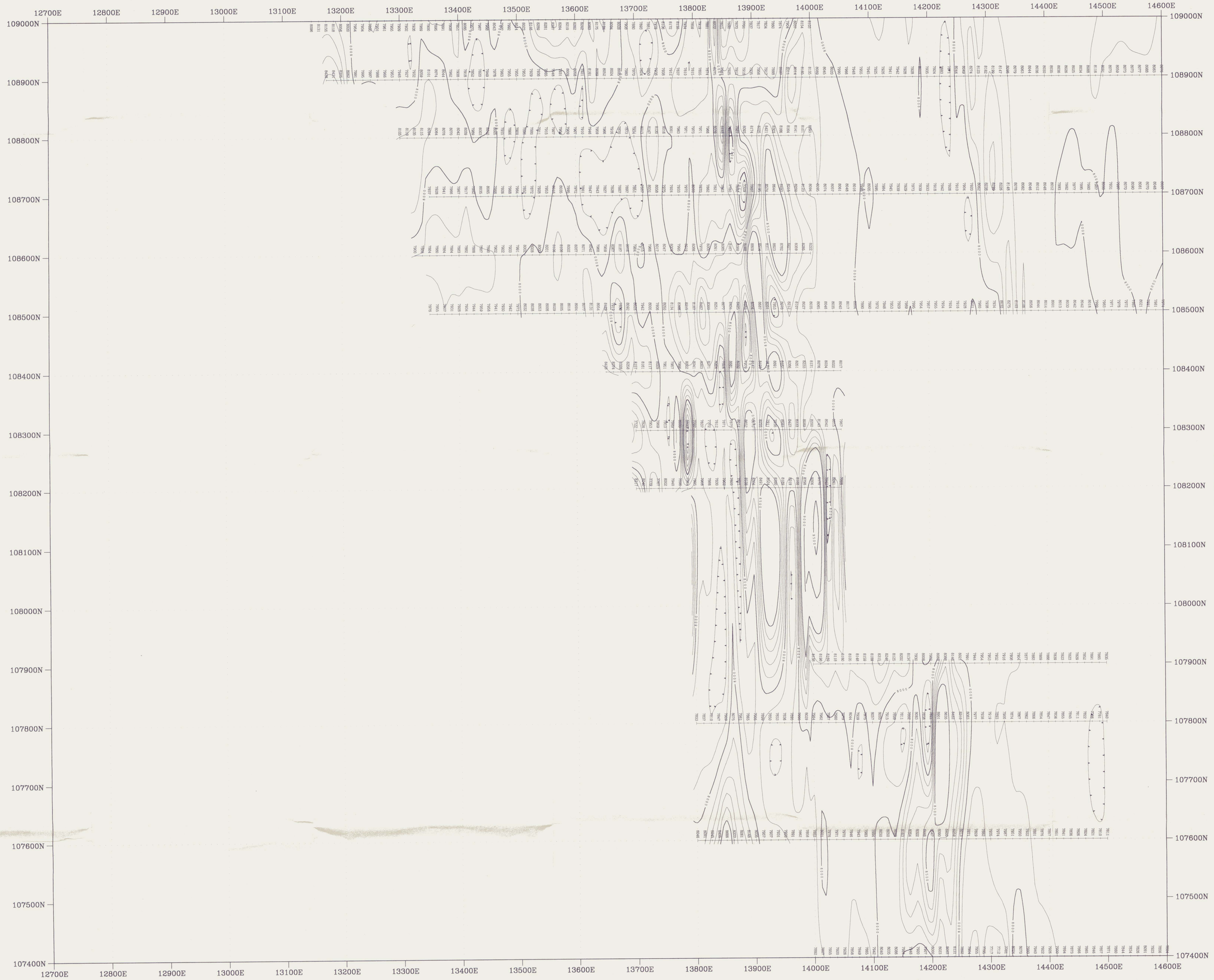
LLOYD GEOPHYSICS INC.

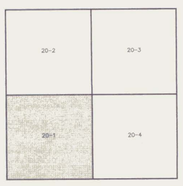
JOINS MAP 20-2

12700E 12800E 12900E 13000E 13100E 13200E 13300E 13400E 13500E 13600E 13700E 13800E 13900E 14000E 14100E 14200E 14300E 14400E 14500E 14600E

109000N 108900N 108800N 108700N 108600N 108500N 108400N 108300N 108200N 108100N 108000N 107900N 107800N 107700N 107600N 107500N 107400N

JOINS MAP 20-4





LAKE GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

100 nT
500 nT
2500 nT

Station Separation: 12.5 metres

INSTRUMENT

SCINTREX ENVI-MAGNETOMETER SYSTEM

Scale 1:2500

50 0 50 100 150 200
(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

TOTAL FIELD MAGNETIC CONTOURS LAKE GRID

Scale 1:2500 Project No: 96397 Figure 20-1

LLOYD GEOPHYSICS INC.

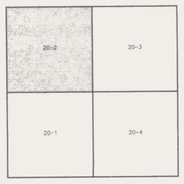
093569

12700E 12800E 12900E 13000E 13100E 13200E 13300E 13400E 13500E 13600E 13700E 13800E 13900E 14000E 14100E 14200E 14300E 14400E 14500E 14600E

110600N 110500N 110400N 110300N 110200N 110100N 110000N 109900N 109800N 109700N 109600N 109500N 109400N 109300N 109200N 109100N 109000N

JOINS MAP 20-3

JOINS MAP 20-1



LAKE GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

100 nT
500 nT
2500 nT

Station Separation: 12.5 metres

INSTRUMENT

SCINTREX ENVI-MAGNETOMETER SYSTEM

Scale 1:2500

50 0 50 100 150 200
(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

TOTAL FIELD MAGNETIC CONTOURS LAKE GRID

Scale 1:2500 Project No: 96397 Figure 20-2

LLOYD GEOPHYSICS INC.

093569

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E 16400E 16500E

110600N 110500N 110400N 110300N 110200N 110100N 110000N 109900N 109800N 109700N 109600N 109500N 109400N 109300N 109200N 109100N 109000N

JOINS MAP 20-2

JOINS MAP 20-4

20-2	20-3
20-1	20-4

LAKE GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

- 100 nT
- 500 nT
- 2500 nT

Station Separation: 12.5 metres

INSTRUMENT

SCINTREX ENVI-MAGNETOMETER SYSTEM

Scale 1:2500

50 0 50 100 150 200 (meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

TOTAL FIELD MAGNETIC CONTOURS LAKE GRID

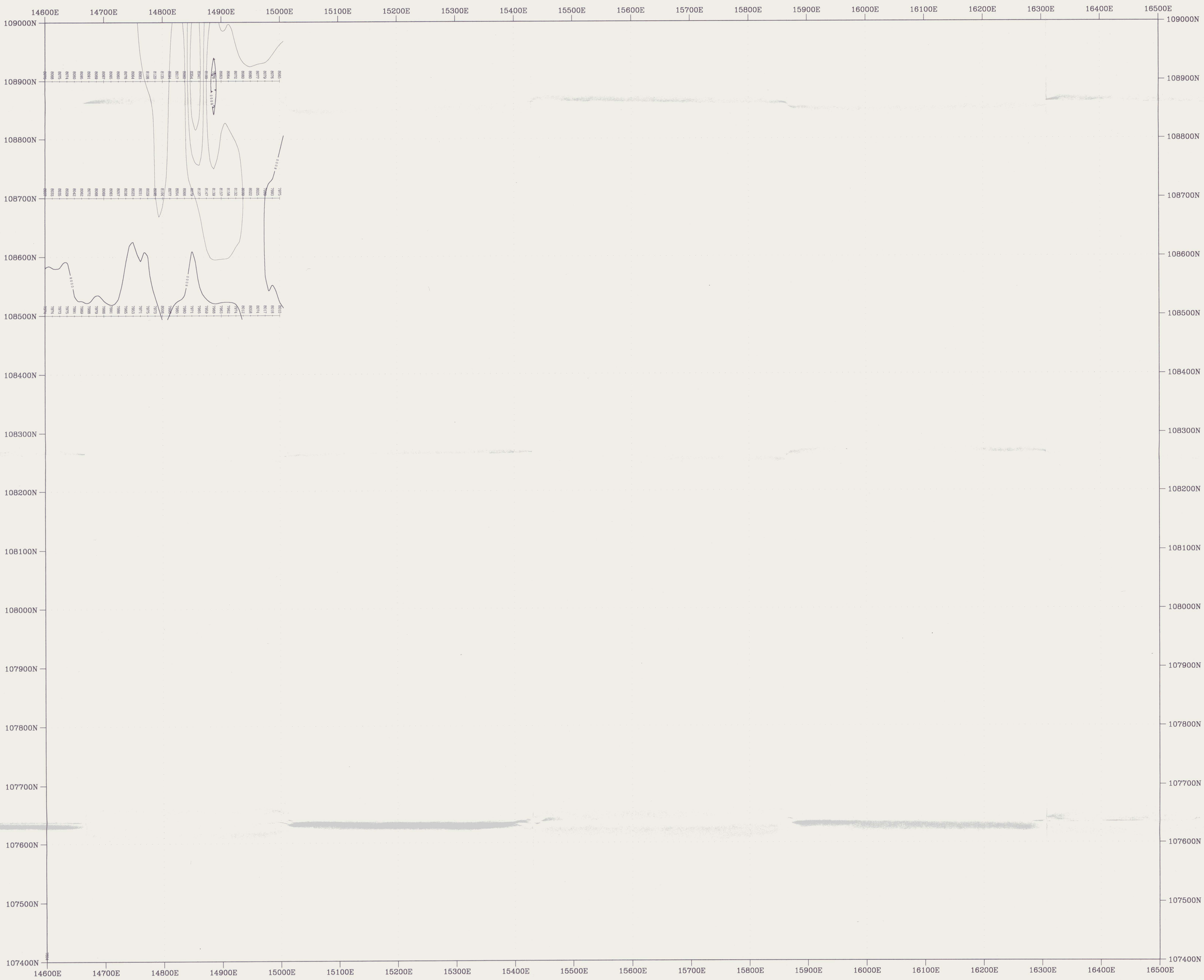
Scale 1:2500 Project No: 96397 Figure 20-3

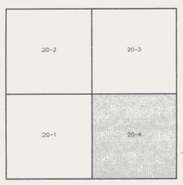
LLOYD GEOPHYSICS INC.

093569

JOINS MAP 20-3

JOINS MAP 20-1





LAKE GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

100 nT

500 nT

2500 nT

Station Separation: 12.5 metres

INSTRUMENT

SCINTREX ENVI-MAGNETOMETER SYSTEM

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

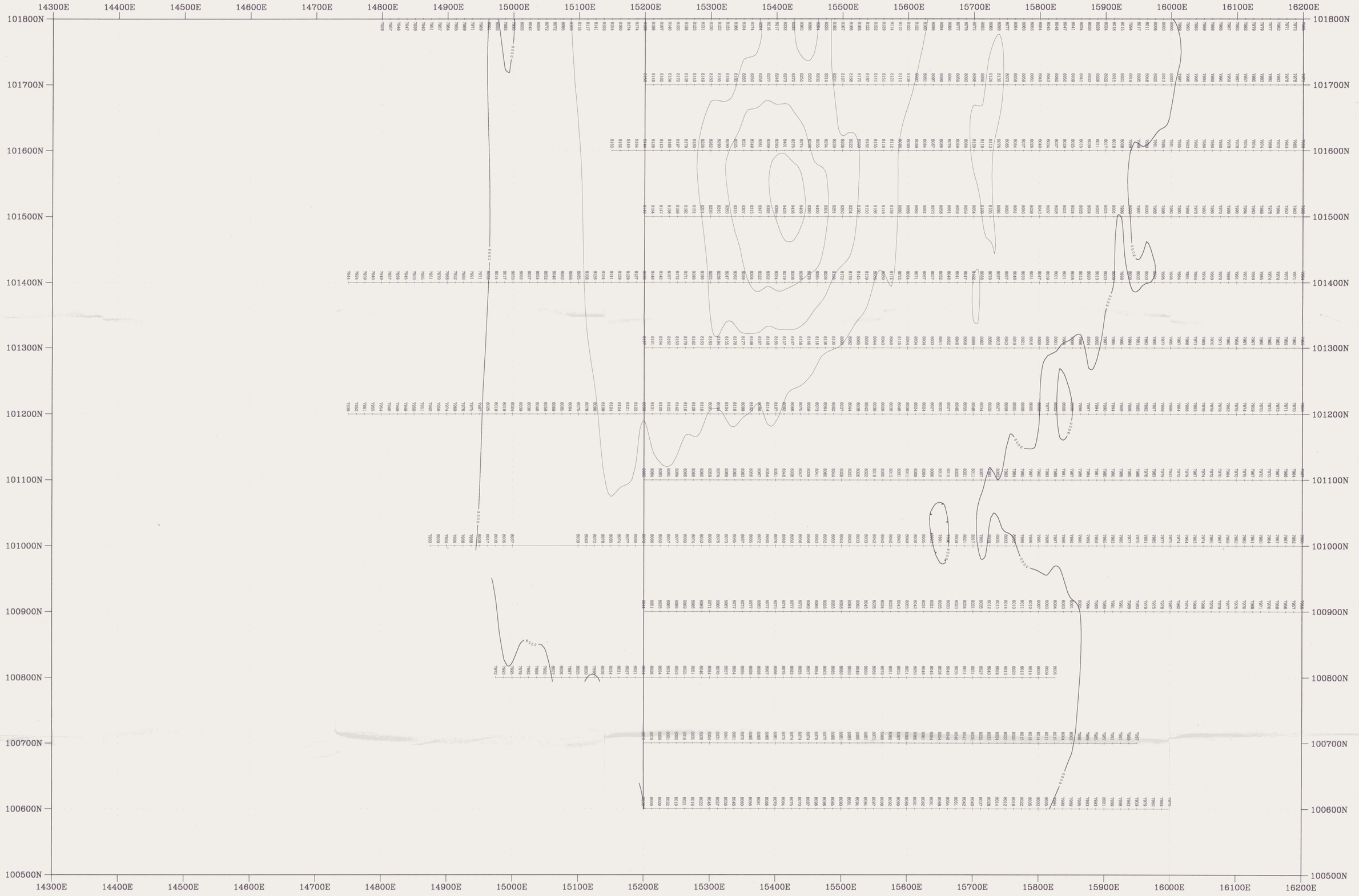
FYRE LAKE PROJECT
YUKON TERRITORY

TOTAL FIELD MAGNETIC CONTOURS LAKE GRID

Scale 1:2500 Project No: 96397 Figure 20-4

LLOYD GEOPHYSICS INC.

JOINS MAP 21-2





DUB GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

100 nT

500 nT

2500 nT

Station Separation: 12.5 metres

INSTRUMENT

SCINTREX ENVI-MAGNETOMETER SYSTEM

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

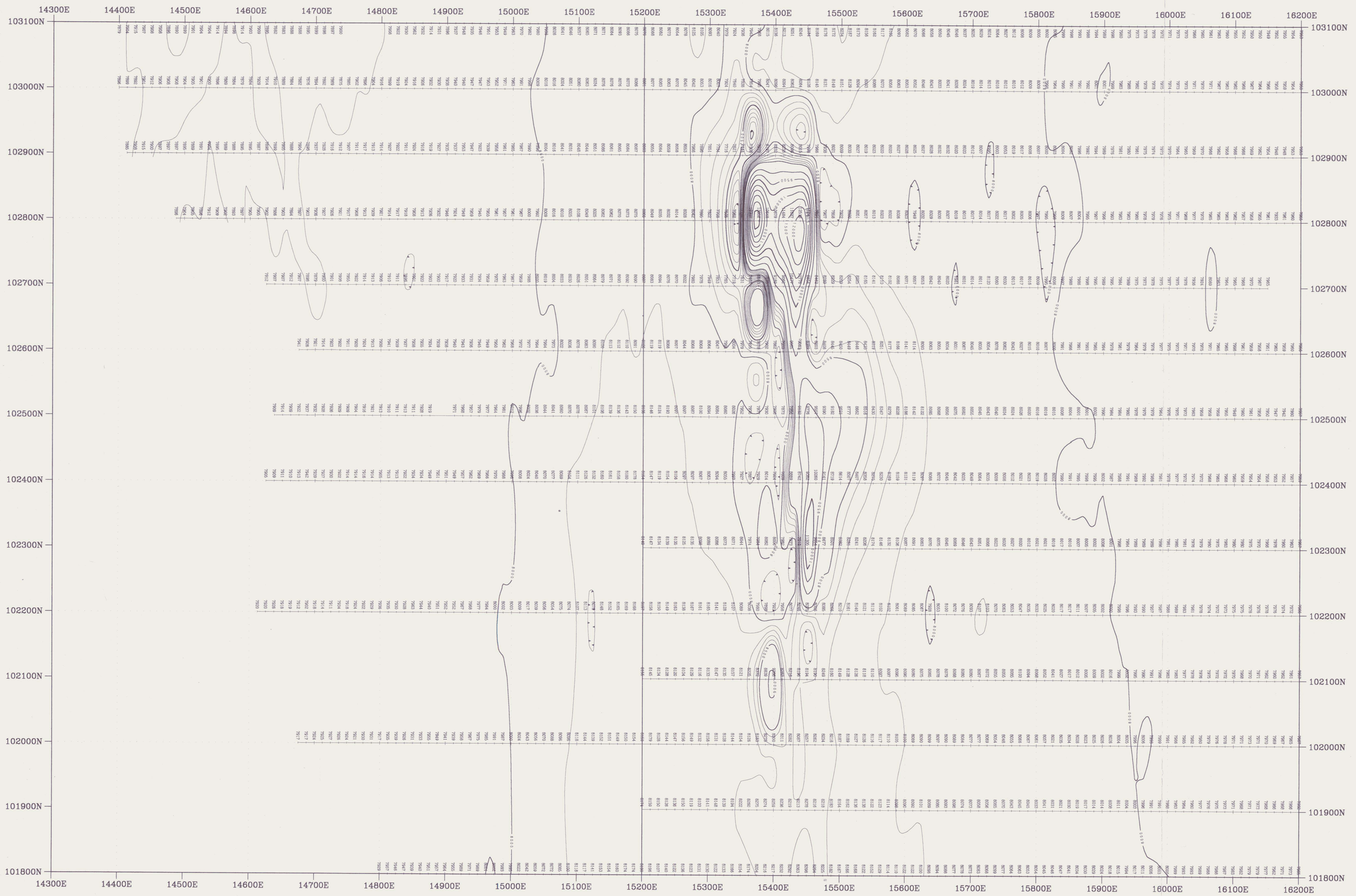
TOTAL FIELD MAGNETIC CONTOURS DUB GRID

Scale 1:2500 Project No: 96397 Figure 21-1

LLOYD GEOPHYSICS INC.

#32

JOINS MAP 21-3



JOINS MAP 21-1



DUB GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

- 100 nT
- 500 nT
- 2500 nT

Station Separation: 12.5 metres

INSTRUMENT

SCINTREX ENVI-MAGNETOMETER SYSTEM

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

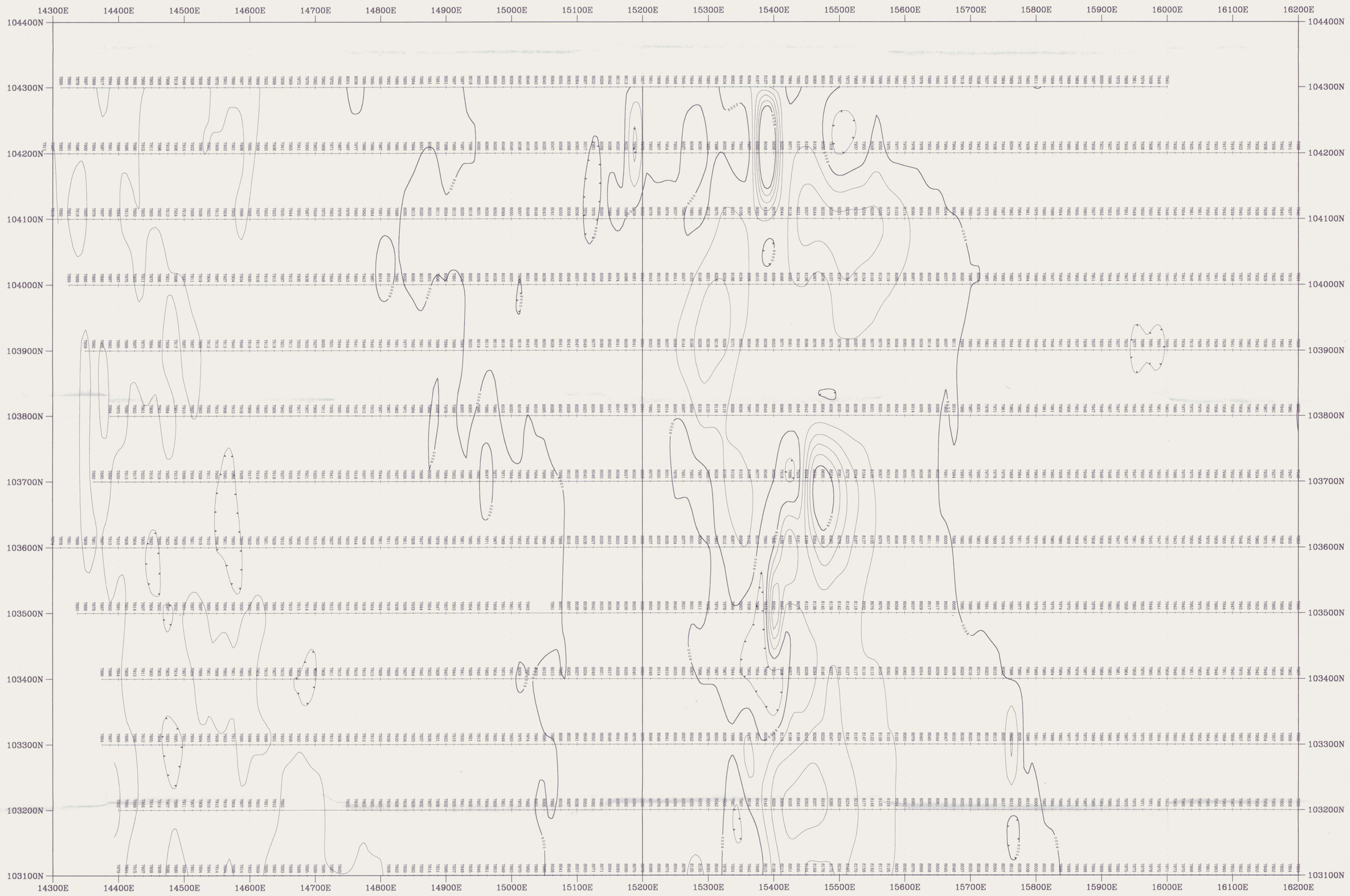
FYRE LAKE PROJECT
YUKON TERRITORY

TOTAL FIELD MAGNETIC CONTOURS DUB GRID

Scale 1:2500 Project No: 96397 Figure 21-2

LLOYD GEOPHYSICS INC.

#33



JOINS MAP 21-2



DUB GRID MAP SHEETS

LEGEND

CONTOUR INTERVALS

100 nT

500 nT

2500 nT

Station Separation: 12.5 metres

INSTRUMENT

SCINTREX ENVI-MAGNETOMETER SYSTEM

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

TOTAL FIELD MAGNETIC CONTOURS DUB GRID

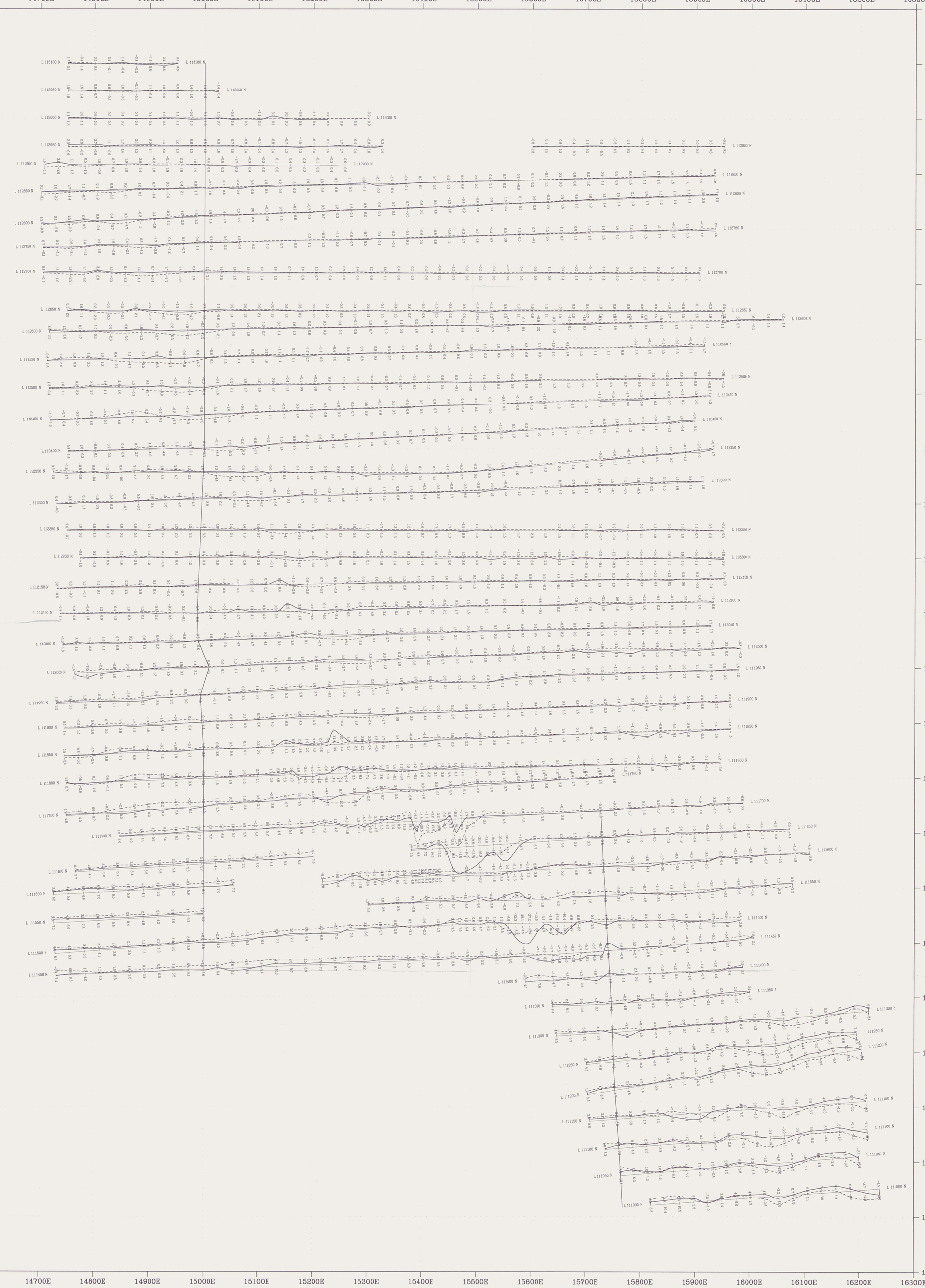
Scale 1:2500 Project No: 96397 Figure 21-3

LLOYD GEOPHYSICS INC.

#34

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E

113200N 113100N 113000N 112900N 112800N 112700N 112600N 112500N 112400N 112300N 112200N 112100N 112000N 111900N 111800N 111700N 111600N 111500N 111400N 111300N 111200N 111100N 111000N 110900N

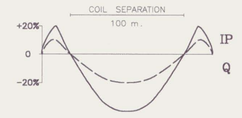


MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 20 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



Scale 1:2500

50 0 50 100 150 200 (meters)

COLUMBIA GOLD MINES LTD.

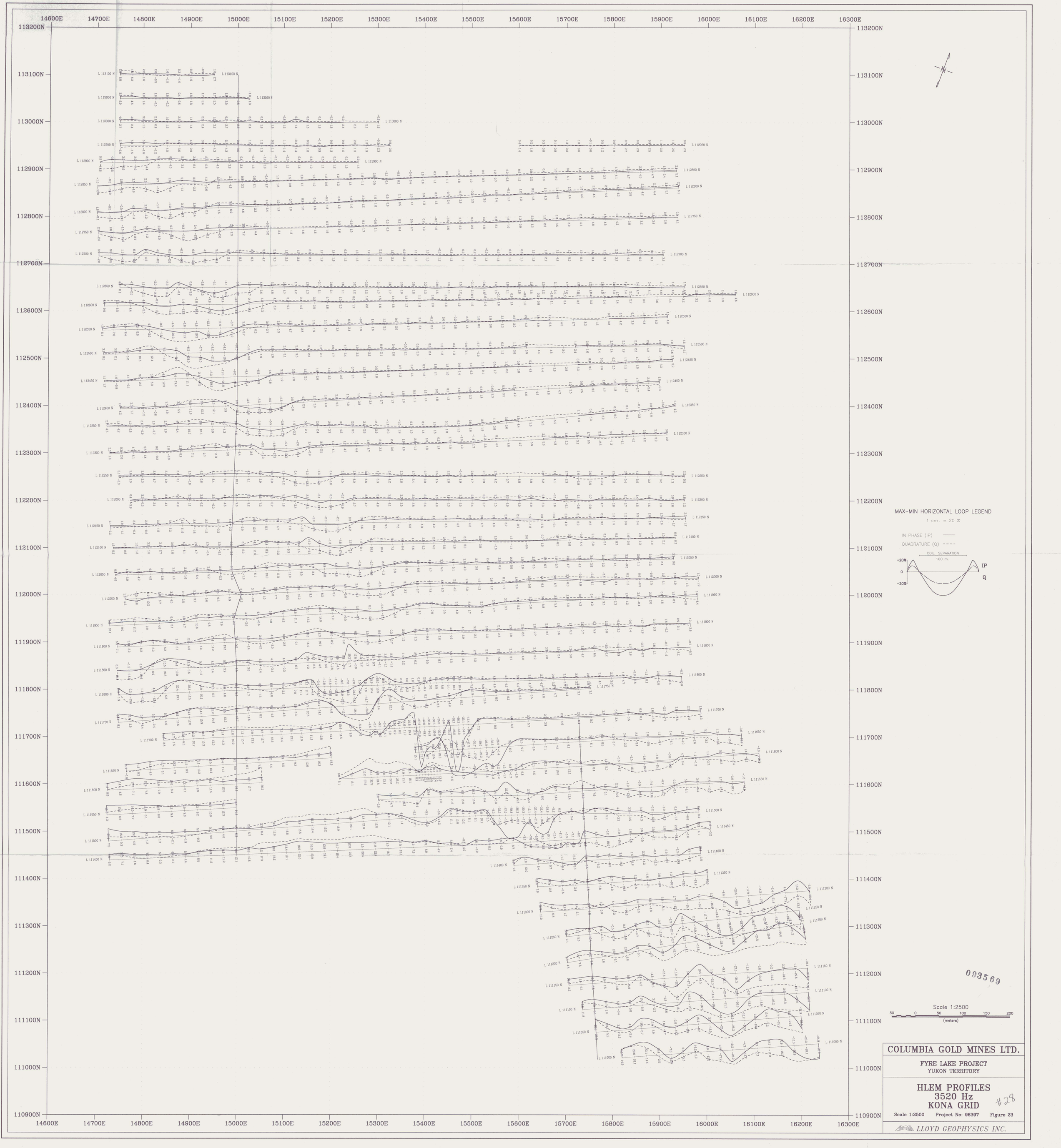
FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
880 Hz
KONA GRID

Scale 1:2500 Project No: 96397 Figure 22

LLOYD GEOPHYSICS INC.

#35



MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 20 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -

093569

Scale 1:2500

50 0 50 100 150 200 (meters)

COLUMBIA GOLD MINES LTD.

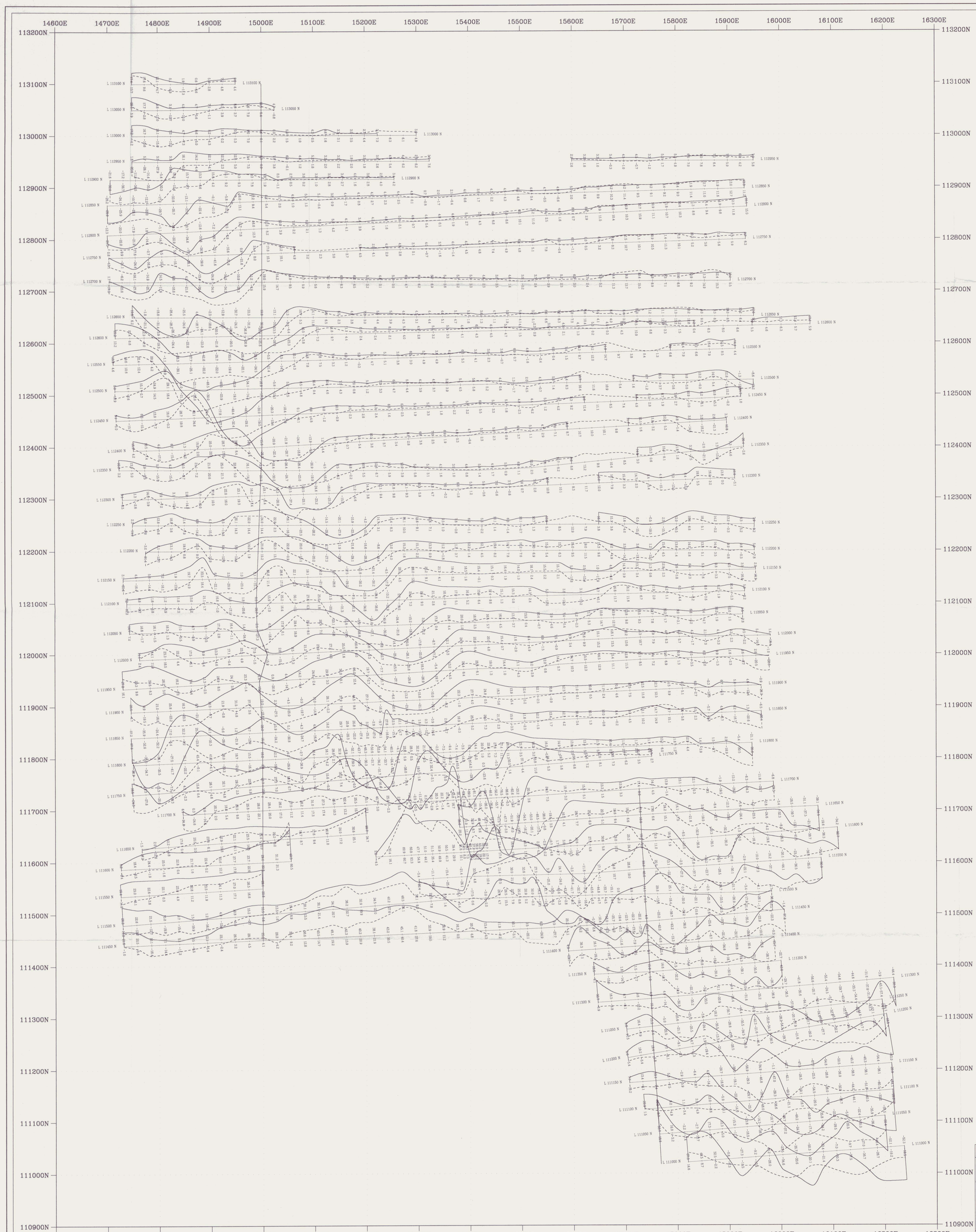
FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
3520 Hz
KONA GRID

#28

Scale 1:2500 Project No: 96397 Figure 23

LLOYD GEOPHYSICS INC.

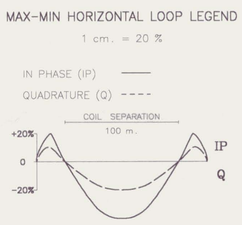


MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 20 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



093569

Scale 1:2500

50 0 50 100 150 200 (meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

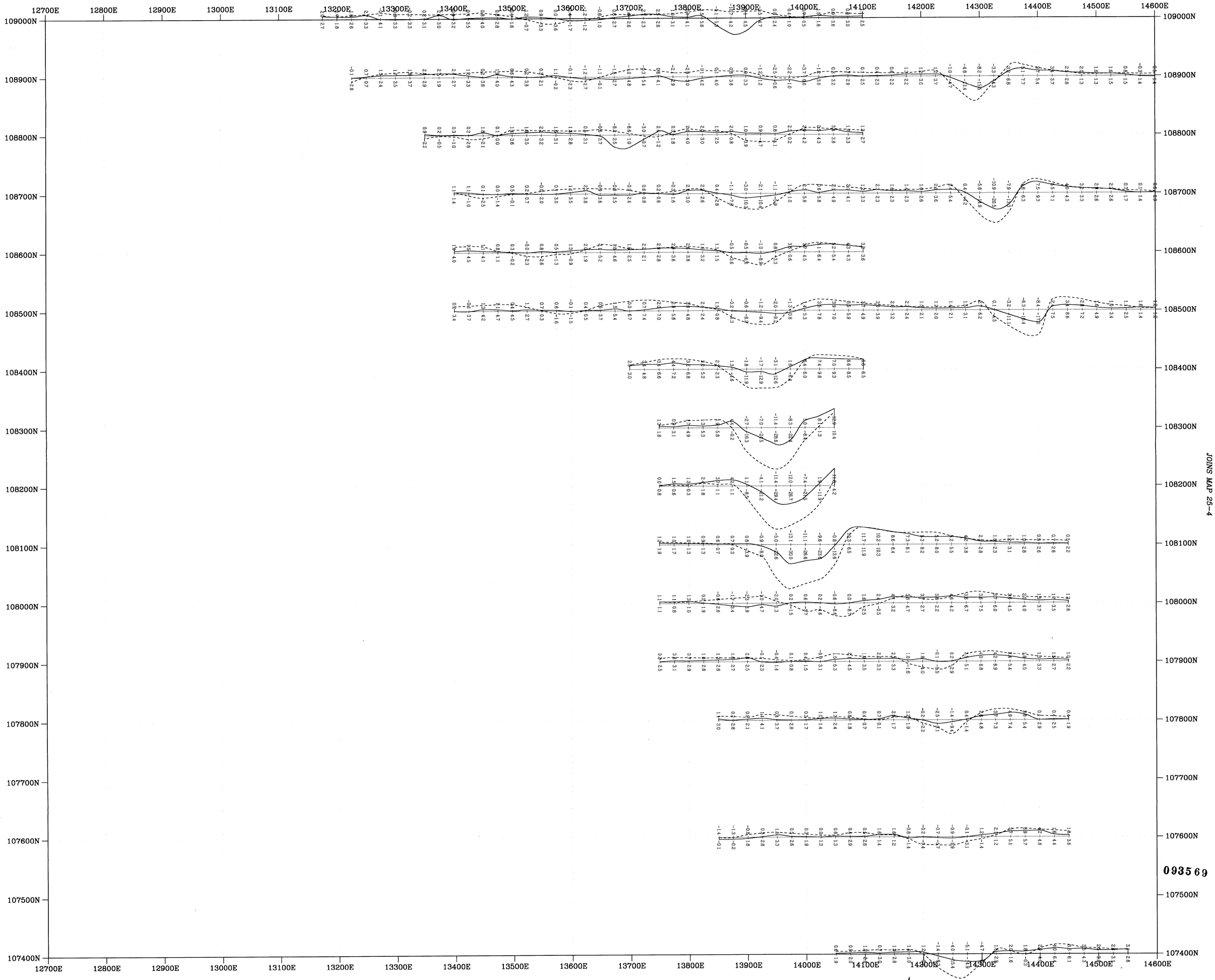
HLEM PROFILES
14080 Hz
KONA GRID

#29

Scale 1:2500 Project No: 96397 Figure 24

LLOYD GEOPHYSICS INC.

JOINS MAP 25-2



JOINS MAP 25-4

093569



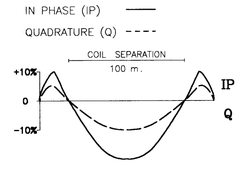
LAKE GRID MAP SHEETS

MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
880 Hz
LAKE GRID

#30

Scale 1:2500 Project No: 96397 Figure 25-1

LLOYD GEOPHYSICS INC.

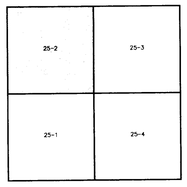
12700E 12800E 12900E 13000E 13100E 13200E 13300E 13400E 13500E 13600E 13700E 13800E 13900E 14000E 14100E 14200E 14300E 14400E 14500E 14600E

110600N 110500N 110400N 110300N 110200N 110100N 110000N 109900N 109800N 109700N 109600N 109500N 109400N 109300N 109200N 109100N 109000N

JOINS MAP 25-3

093569

JOINS MAP 25-1



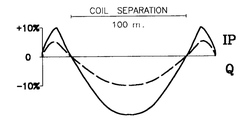
LAKE GRID MAP SHEETS

MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



Scale 1:2500

50 0 50 100 150 200

(meters)

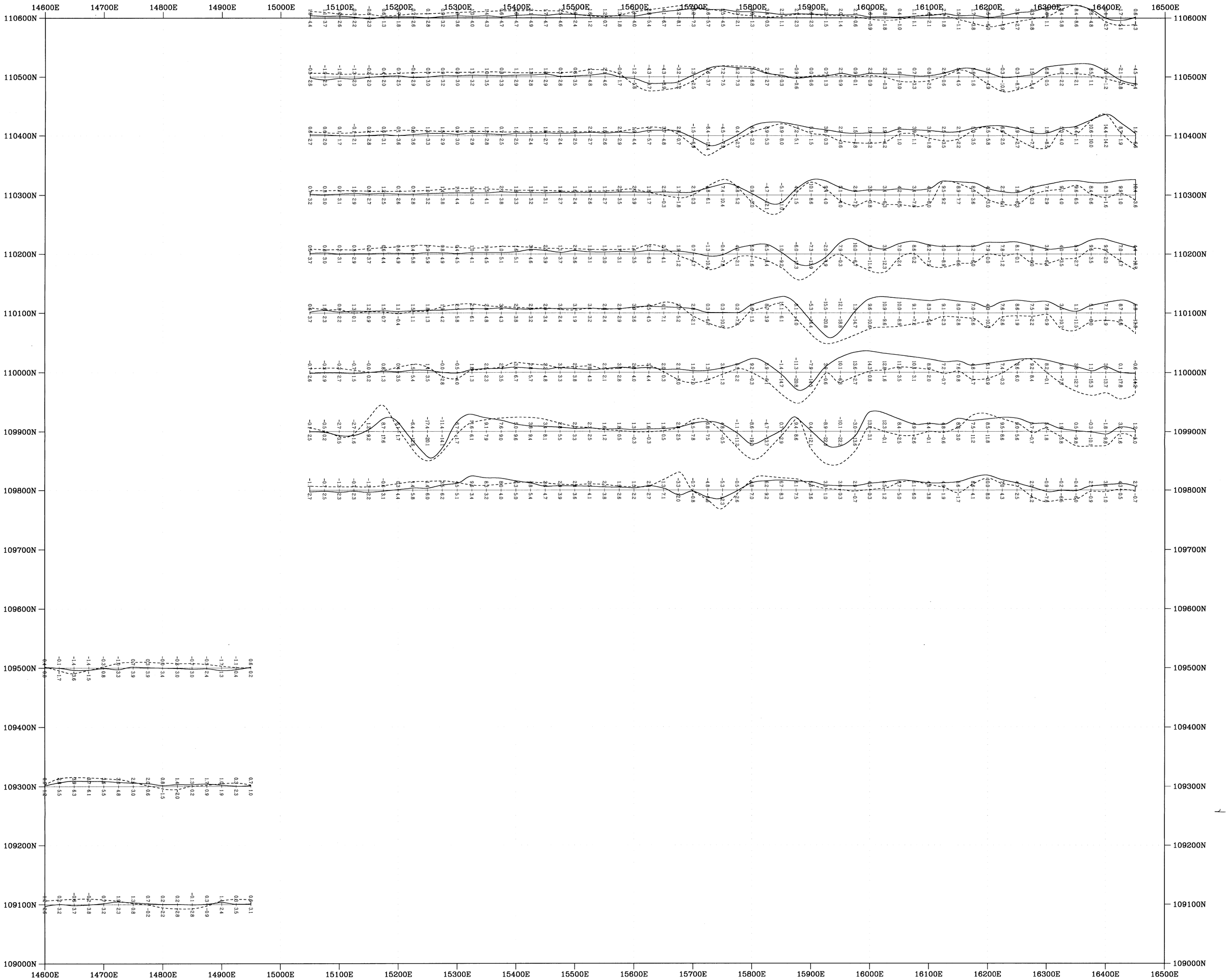
COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
880 Hz
LAKE GRID #31

Scale 1:2500 Project No: 96397 Figure 25-2

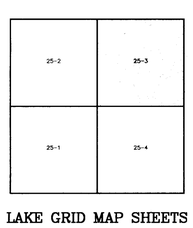
LLOYD GEOPHYSICS INC.



JOINS MAP 25-2

JOINS MAP 25-4

LAKE GRID MAP SHEETS

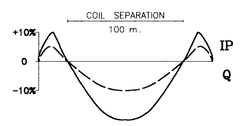


MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



093569

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
880 Hz
LAKE GRID

#24

Scale 1:2500 Project No: 96397 Figure 25-3

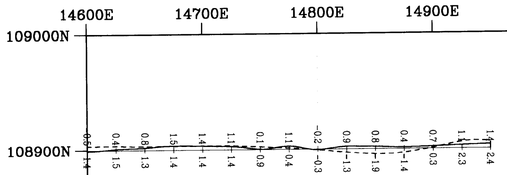
LLOYD GEOPHYSICS INC.

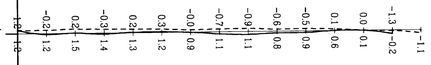
JOINS MAP 25-3

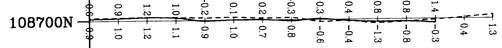
JOINS MAP 25-1

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E 16400E 16500E

109000N 108900N 108800N 108700N 108600N 108500N 108400N 108300N 108200N 108100N 108000N 107900N 107800N 107700N 107600N 107500N 107400N









LAKE GRID MAP SHEETS

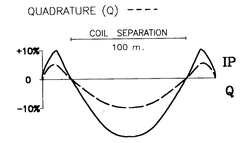


MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



093569

Scale 1:2500

50 0 50 100 150 200
(meters)

COLUMBIA GOLD MINES LTD.

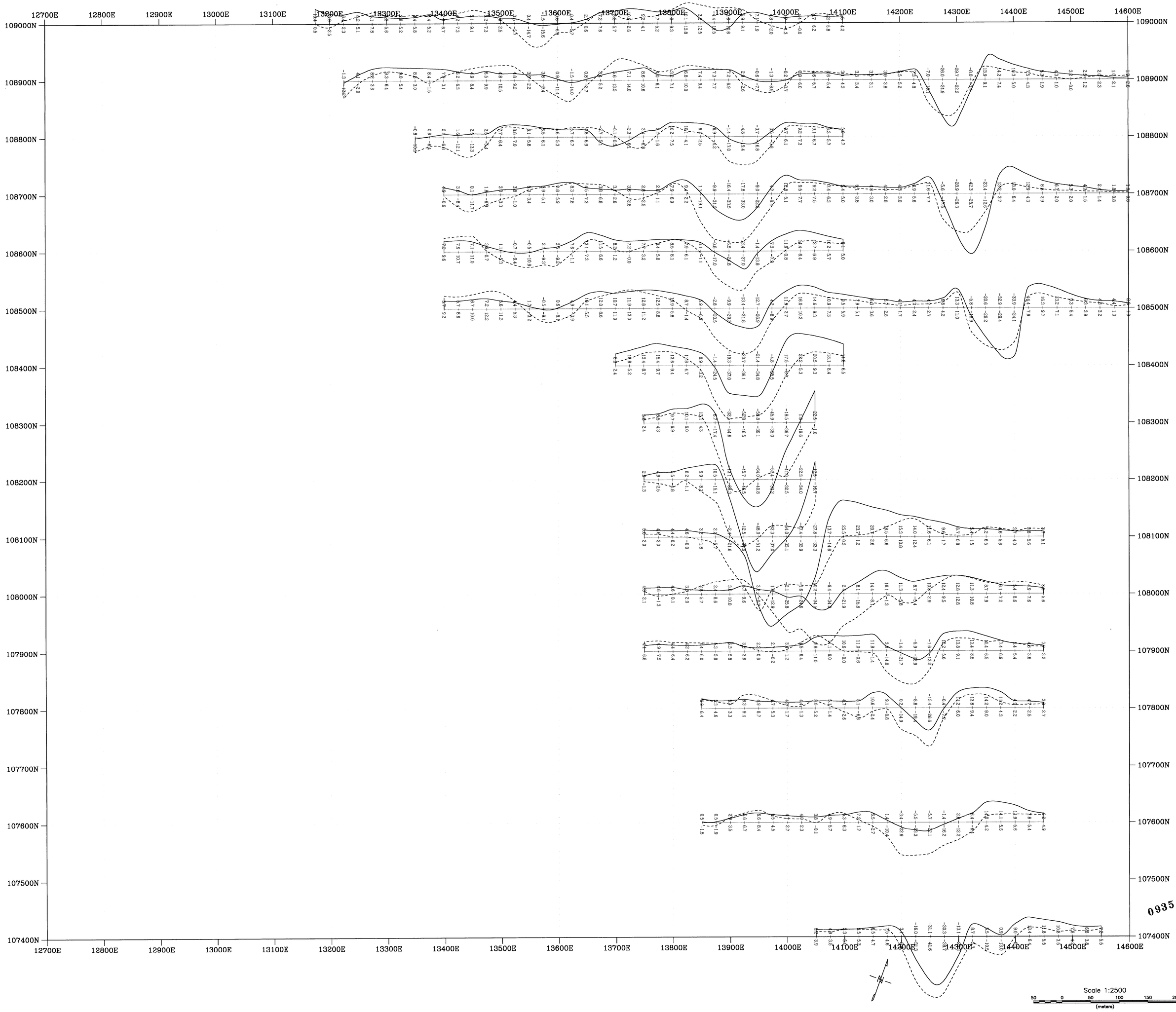
FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
880 Hz
LAKE GRID #25

Scale 1:2500 Project No: 96397 Figure 25-4

LLOYD GEOPHYSICS INC.

JOINS MAP 26-2



JOINS MAP 26-4

093569

Scale 1:2500

50 0 50 100 150 200

(meters)

26-2	26-3
26-1	26-4

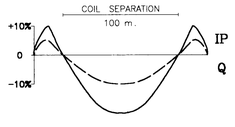
LAKE GRID MAP SHEETS

MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
3520 Hz
LAKE GRID

#26

Scale 1:2500 Project No: 96397 Figure 26-1

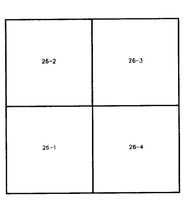
LLOYD GEOPHYSICS INC.

12700E 12800E 12900E 13000E 13100E 13200E 13300E 13400E 13500E 13600E 13700E 13800E 13900E 14000E 14100E 14200E 14300E 14400E 14500E 14600E

110600N 110500N 110400N 110300N 110200N 110100N 110000N 109900N 109800N 109700N 109600N 109500N 109400N 109300N 109200N 109100N 109000N

JOINS MAP 26-3

JOINS MAP 26-1



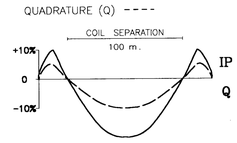
LAKE GRID MAP SHEETS

MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



Scale 1:2500

50 0 50 100 150 200 (meters)

093569

COLUMBIA GOLD MINES LTD.

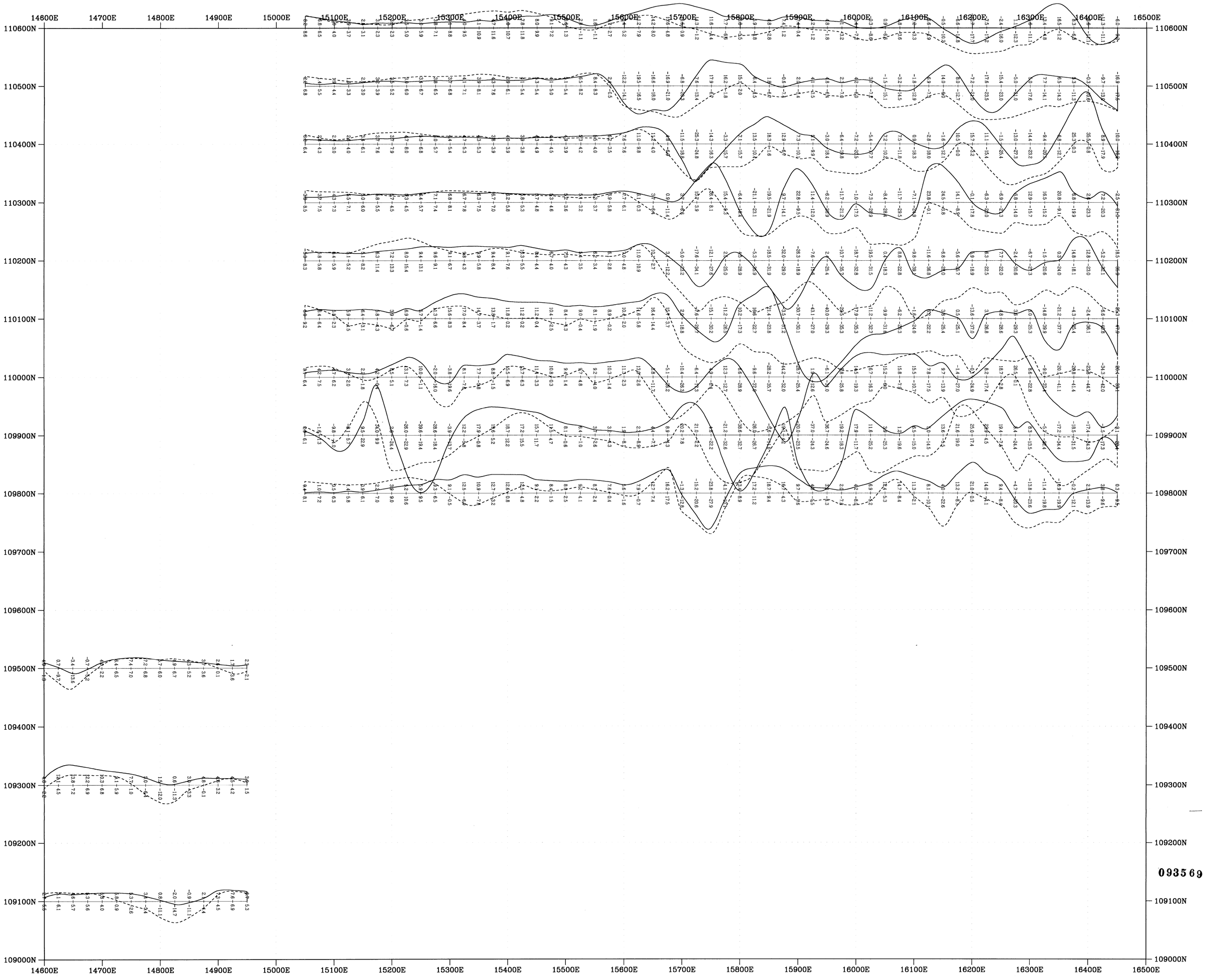
FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
3520 Hz
LAKE GRID

#27

Scale 1:2500 Project No: 96397 Figure 26-2

LLOYD GEOPHYSICS INC.



JOINS MAP 26-2

JOINS MAP 26-4

LAKE GRID MAP SHEETS

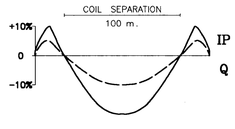


MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
3520 Hz
LAKE GRID

#20

Scale 1:2500 Project No: 96397 Figure 26-3

LLOYD GEOPHYSICS INC.

093569

JOINS MAP 26-3

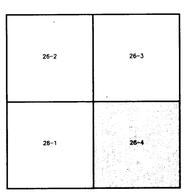
JOINS MAP 26-1

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E 16400E 16500E

109000N 108900N 108800N 108700N 108600N 108500N 108400N 108300N 108200N 108100N 108000N 107900N 107800N 107700N 107600N 107500N 107400N

093569

LAKE GRID MAP SHEETS

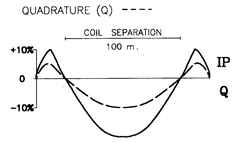


MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

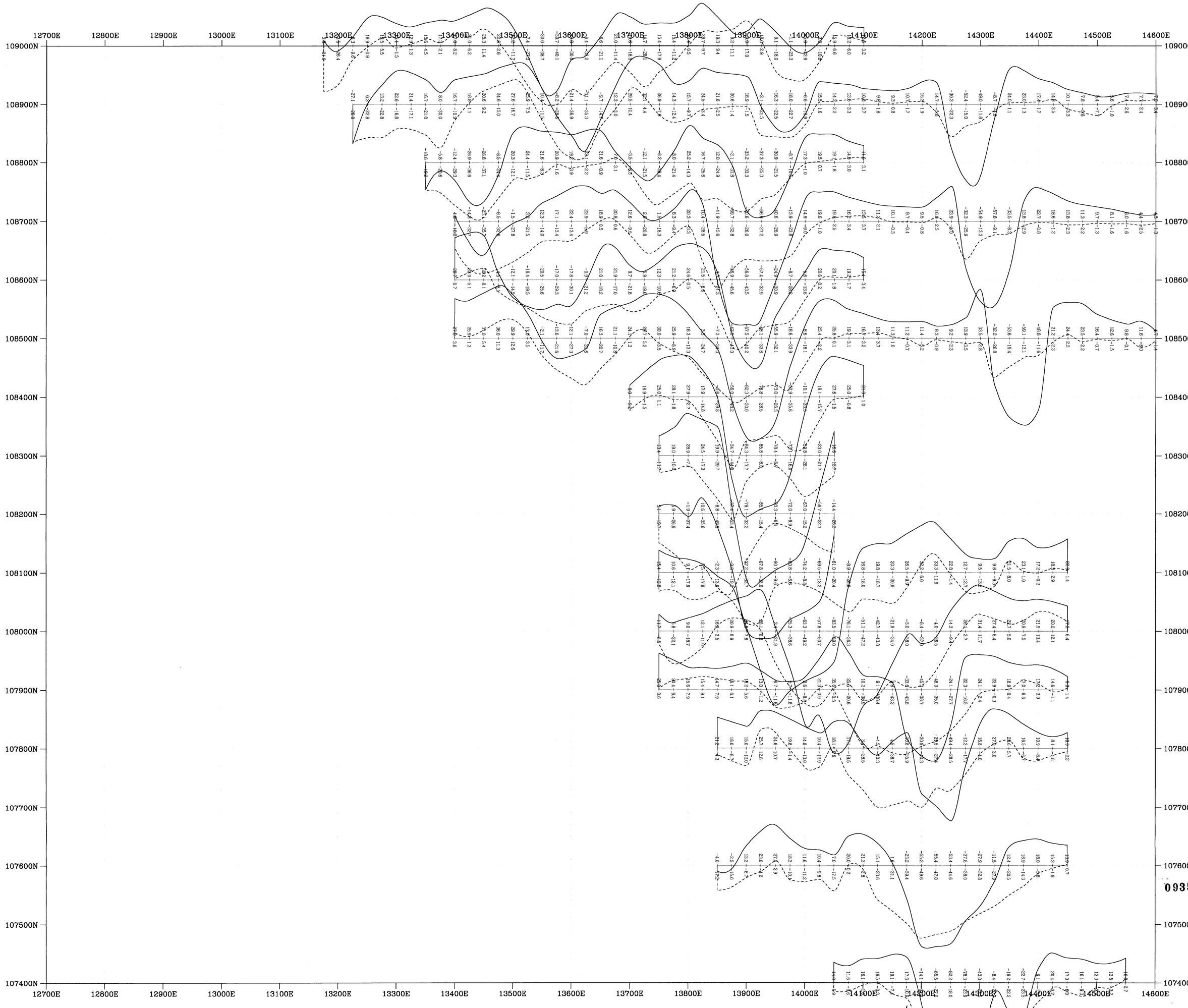
FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
3520 Hz
LAKE GRID #21

Scale 1:2500 Project No: 96397 Figure 26-4

LLOYD GEOPHYSICS INC.

JOINS MAP 27-2



JOINS MAP 27-4

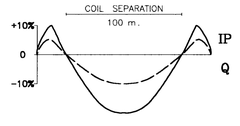
093569

27-2 | 27-3
27-1 | 27-4

LAKE GRID MAP SHEETS

Scale 1:2500
50 0 50 100 150 200
(meters)

MAX-MIN HORIZONTAL LOOP LEGEND
1 cm. = 10 %
IN PHASE (IP)
QUADRATURE (Q)



COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
14080 Hz
LAKE GRID #22

Scale 1:2500 Project No: 96397 Figure 27-1

LLOYD GEOPHYSICS INC.

12700E 12800E 12900E 13000E 13100E 13200E 13300E 13400E 13500E 13600E 13700E 13800E 13900E 14000E 14100E 14200E 14300E 14400E 14500E 14600E

110600N 110500N 110400N 110300N 110200N 110100N 110000N 109900N 109800N 109700N 109600N 109500N 109400N 109300N 109200N 109100N 109000N

JOINS MAP 27-3

JOINS MAP 27-1

093569

Scale 1:2500

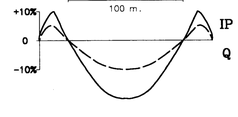
50 0 50 100 150 200 (meters)

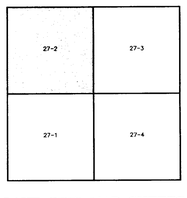
MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP)

QUADRATURE (Q)





LAKE GRID MAP SHEETS

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
14080 Hz
LAKE GRID

#23

Scale 1:2500 Project No: 96397 Figure 27-2

LLOYD GEOPHYSICS INC.

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E 16400E 16500E

110600N 110500N 110400N 110300N 110200N 110100N 110000N 109900N 109800N 109700N 109600N 109500N 109400N 109300N 109200N 109100N 109000N

JOINS MAP 27-2

JOINS MAP 27-4

LAKE GRID MAP SHEETS

27-2 | 27-3
27-1 | 27-4

MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) ----

COIL SEPARATION 100 m.

+10% 0 -10% IP Q

Scale 1:2500

50 0 50 100 150 200 (meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
14080 Hz
LAKE GRID

#15

Scale 1:2500 Project No: 96397 Figure 27-3

LLOYD GEOPHYSICS INC.

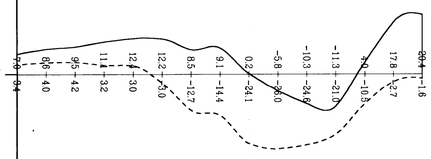
093563

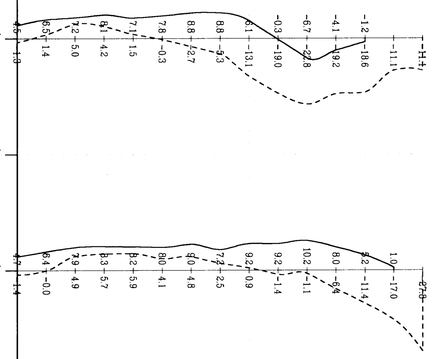
JOINS MAP 27-3

JOINS MAP 27-1

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E 16400E 16500E

109000N
108900N
108800N
108700N
108600N
108500N
108400N
108300N
108200N
108100N
108000N
107900N
107800N
107700N
107600N
107500N
107400N





093569

LAKE GRID MAP SHEETS

MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

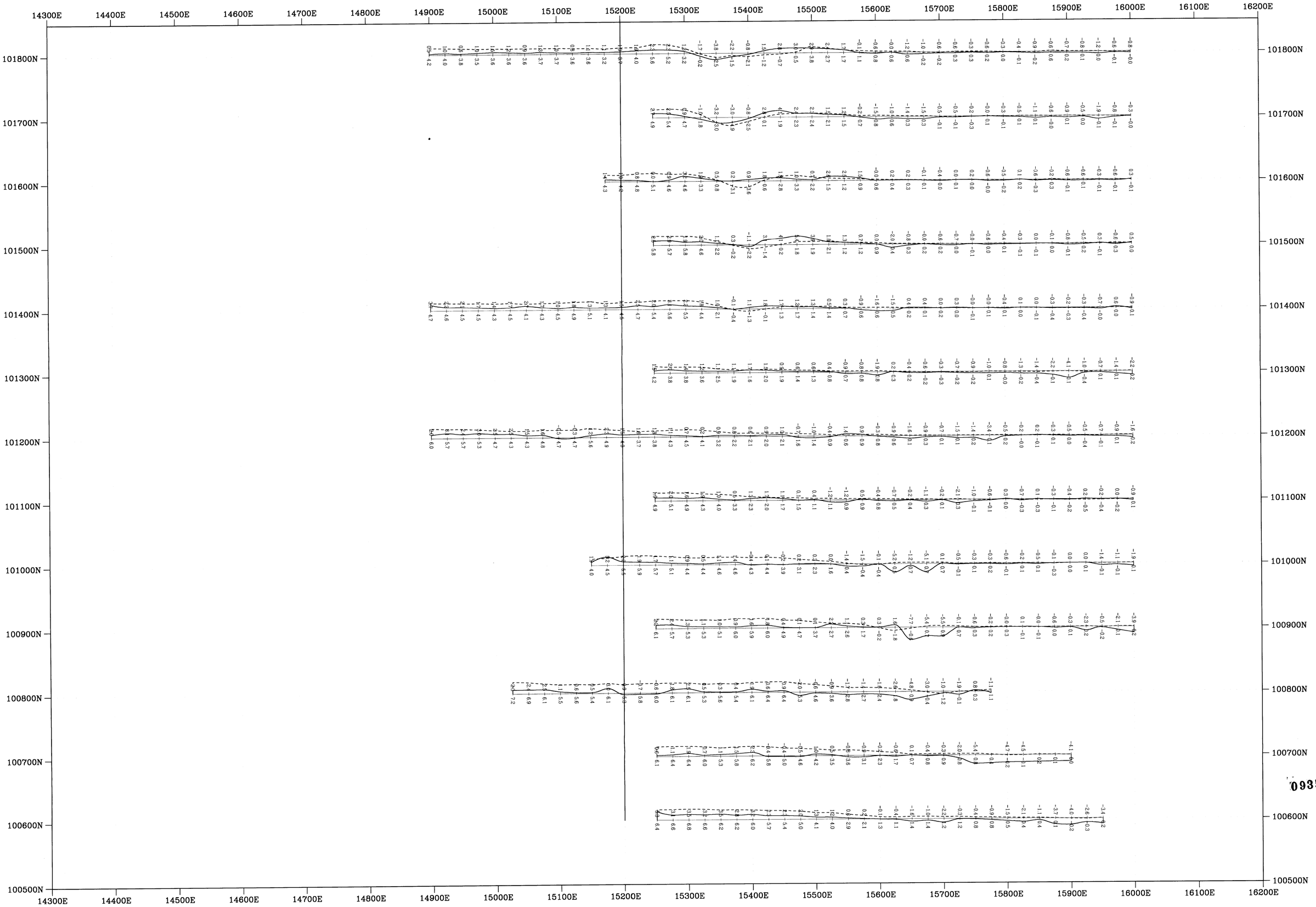
FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
14080 Hz
LAKE GRID #16

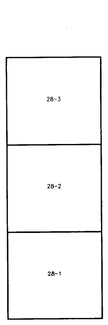
Scale 1:2500 Project No: 96397 Figure 27-4

LLOYD GEOPHYSICS INC.

JOINS MAP 28-2



093560



DUB GRID MAP SHEETS

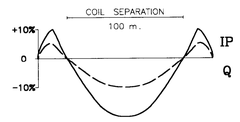


MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
880 Hz
DUB GRID #17

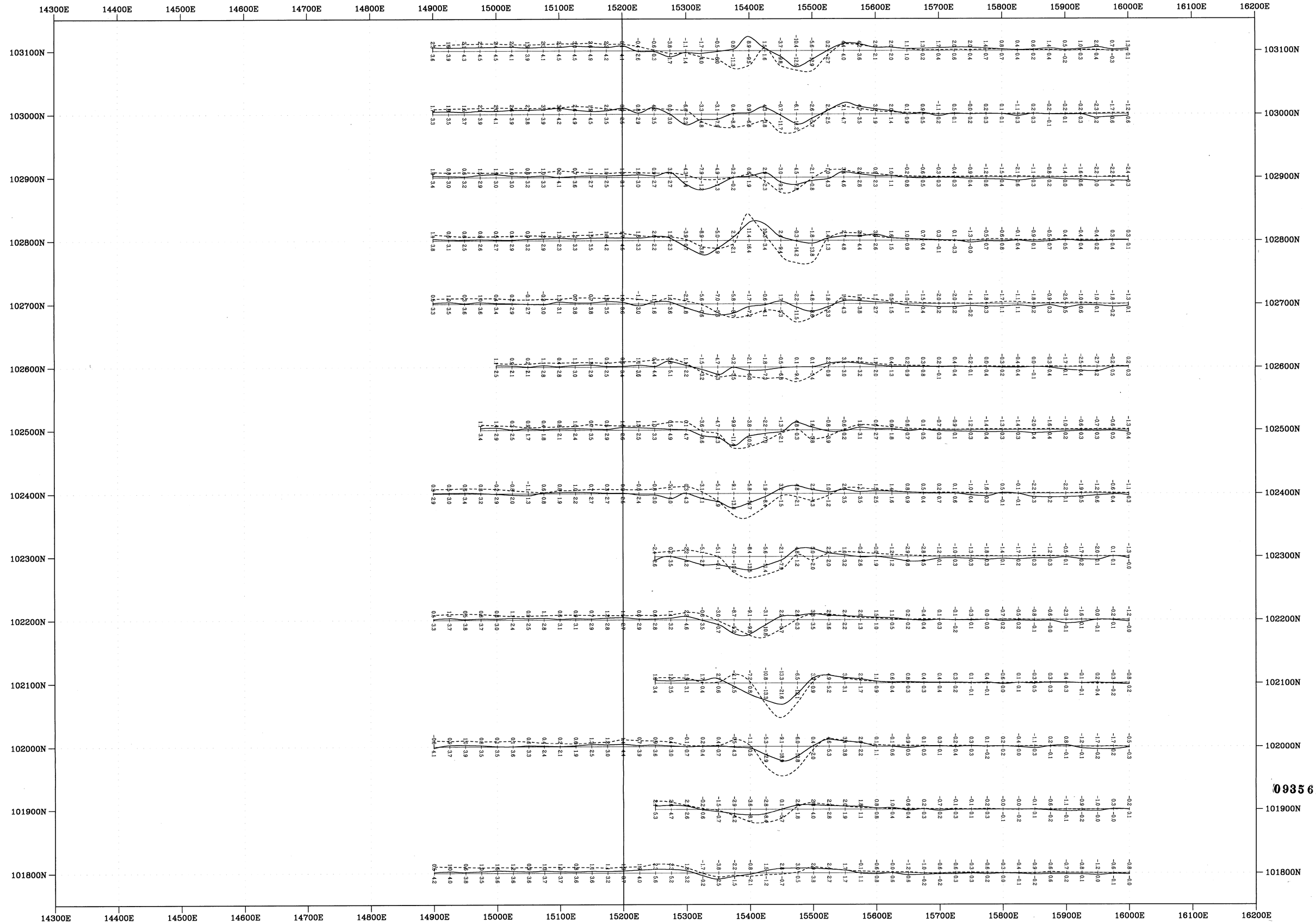
Scale 1:2500 Project No: 96397 Figure 28-1

LLOYD GEOPHYSICS INC.

JOINS MAP 28-3

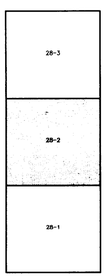
14300E 14400E 14500E 14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E

103100N
103000N
102900N
102800N
102700N
102600N
102500N
102400N
102300N
102200N
102100N
102000N
101900N
101800N



093569

JOINS MAP 28-1



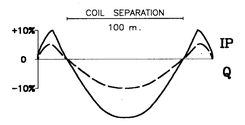
DUB GRID MAP SHEETS

MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
880 Hz
DUB GRID

#18

Scale 1:2500 Project No: 96397 Figure 28-2

LLOYD GEOPHYSICS INC.

14300E 14400E 14500E 14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E

104400N 104300N 104200N 104100N 104000N 103900N 103800N 103700N 103600N 103500N 103400N 103300N 103200N 103100N

JOINS MAP 28-2

28-3
28-2
28-1

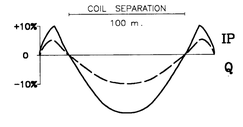
DUB GRID MAP SHEETS

MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



Scale 1:2500

50 0 50 100 150 200
(meters)

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COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

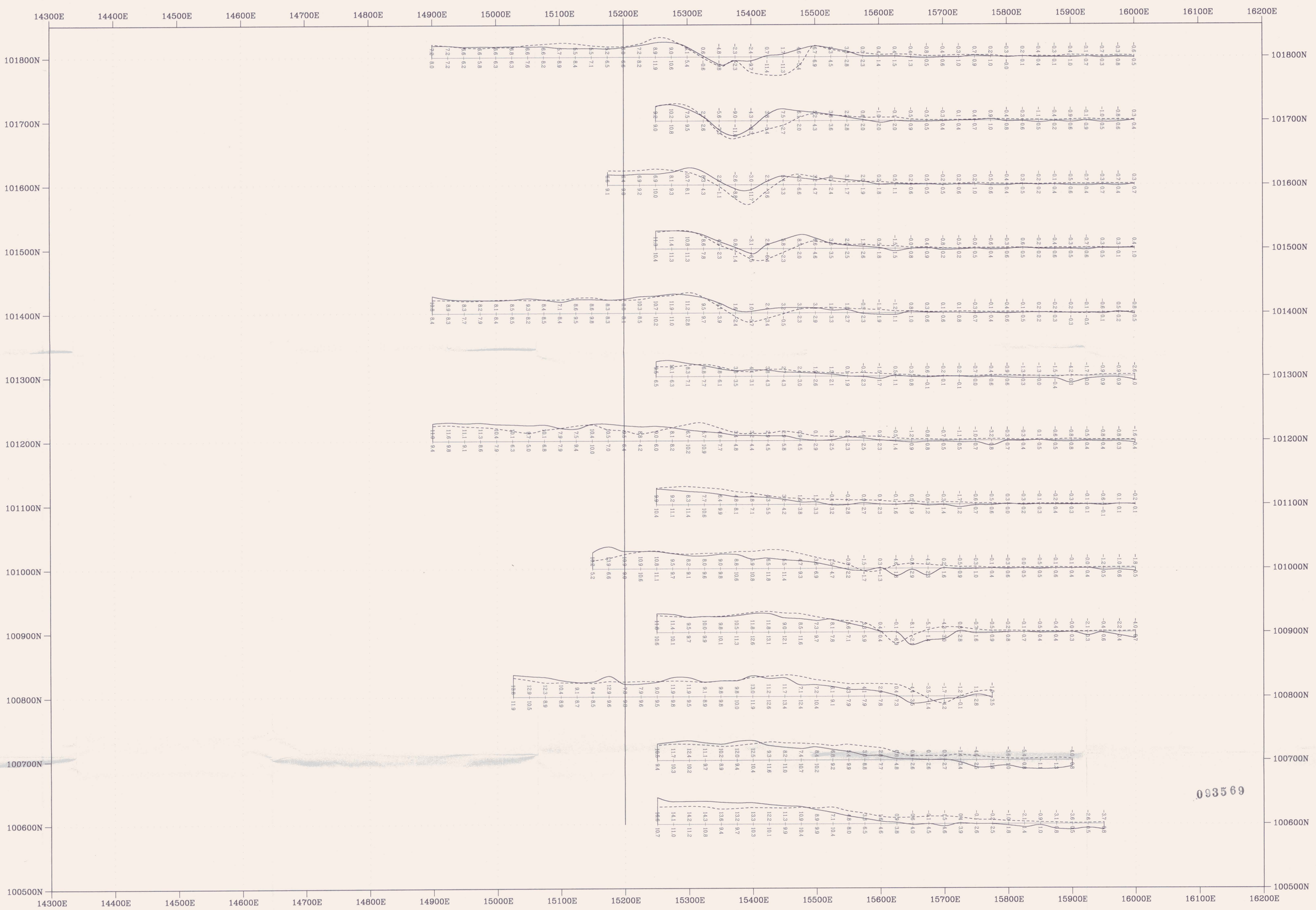
HLEM PROFILES
880 Hz
DUB GRID

#19

Scale 1:2500 Project No: 96397 Figure 28-3

LLOYD GEOPHYSICS INC.

JOINS MAP 29-2



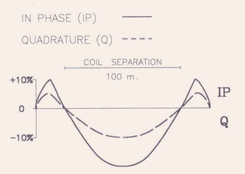


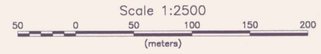
DUB GRID MAP SHEETS



MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %





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COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
3520 Hz
DUB GRID #10

Scale 1:2500 Project No: 96397 Figure 29-1

LLOYD GEOPHYSICS INC.

JOINS MAP 29-3

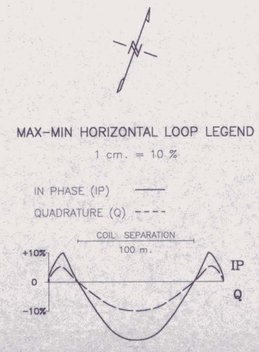
14300E 14400E 14500E 14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E

103100N
103000N
102900N
102800N
102700N
102600N
102500N
102400N
102300N
102200N
102100N
102000N
101900N
101800N

093569

JOINS MAP 29-1

DUB GRID MAP SHEETS



Scale 1:2500
50 0 50 100 150 200
(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
3520 Hz
DUB GRID
#11

Scale 1:2500 Project No: 96397 Figure 29-2

LLOYD GEOPHYSICS INC.

14300E 14400E 14500E 14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E

104400N 104300N 104200N 104100N 104000N 103900N 103800N 103700N 103600N 103500N 103400N 103300N 103200N 103100N

JOINS MAP 29-2

093569

29-3
29-2
29-1

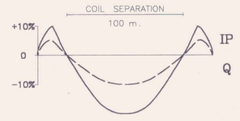
DUB GRID MAP SHEETS

MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
3520 Hz
DUB GRID #12

Scale 1:2500 Project No: 96397 Figure 29-3

LLOYD GEOPHYSICS INC.

JOINS MAP 30-2

14300E 14400E 14500E 14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E

101800N 101700N 101600N 101500N 101400N 101300N 101200N 101100N 101000N 100900N 100800N 100700N 100600N 100500N

093569

30-3
30-2
30-1

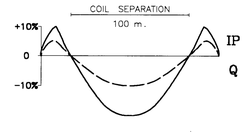
DUB GRID MAP SHEETS

MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
14080 Hz
DUB GRID #13

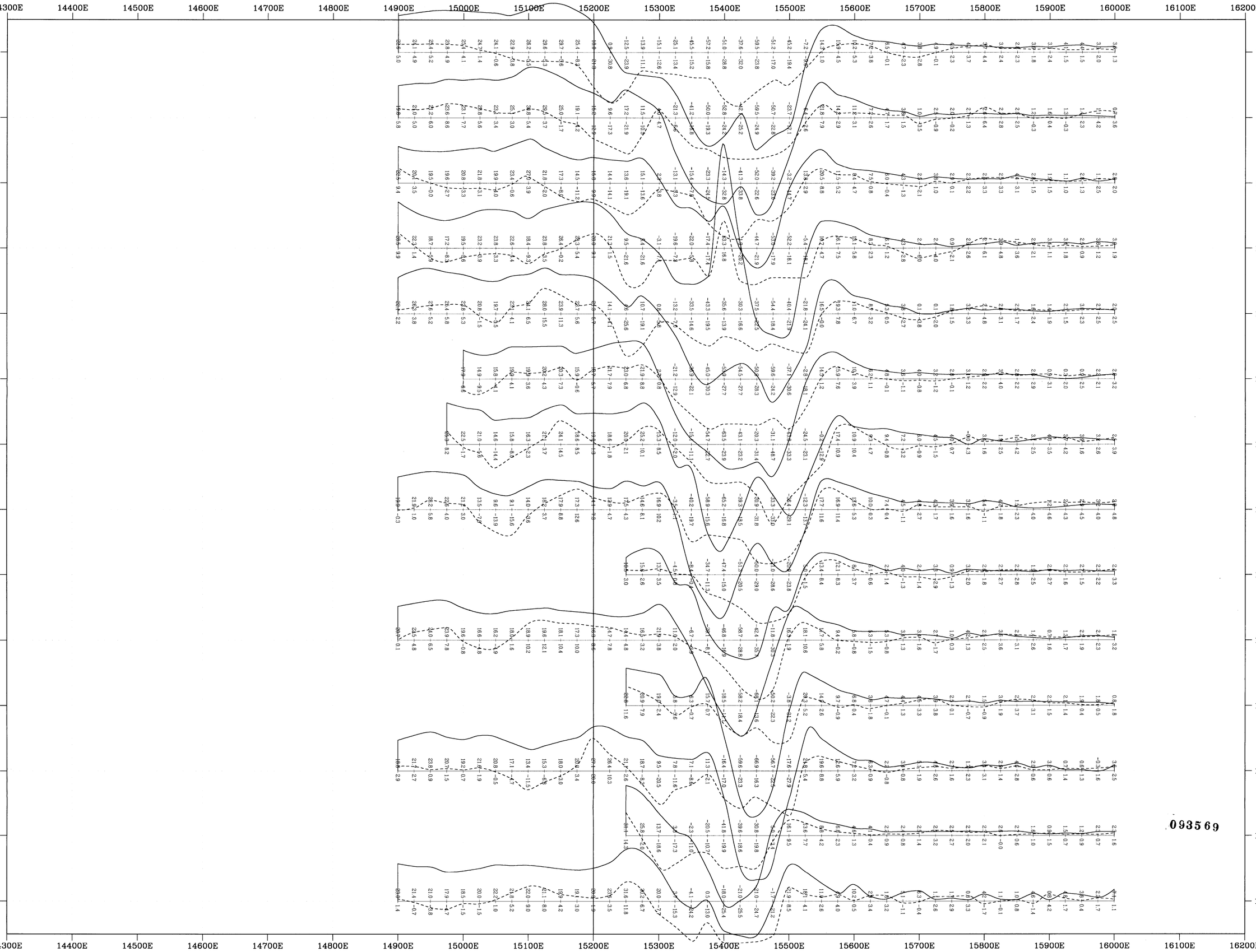
Scale 1:2500 Project No: 96397 Figure 30-1

LLOYD GEOPHYSICS INC.

JOINS MAP 30-3

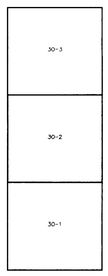
14300E 14400E 14500E 14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E

103100N 103000N 102900N 102800N 102700N 102600N 102500N 102400N 102300N 102200N 102100N 102000N 101900N 101800N

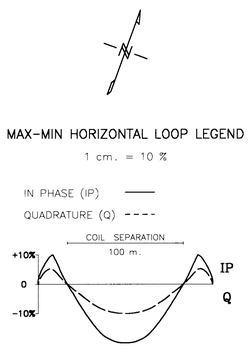


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JOINS MAP 30-1



DUB GRID MAP SHEETS



Scale 1:2500
50 0 50 100 150 200
(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
14080 Hz
DUB GRID

#14

Scale 1:2500 **Project No: 96397** **Figure 30-2**

LLOYD GEOPHYSICS INC.

14300E 14400E 14500E 14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E

104400N 104300N 104200N 104100N 104000N 103900N 103800N 103700N 103600N 103500N 103400N 103300N 103200N 103100N

JOINS MAP 30-2

093569

30-3
30-2
30-1

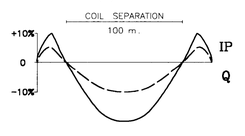
DUB GRID MAP SHEETS

MAX-MIN HORIZONTAL LOOP LEGEND

1 cm. = 10 %

IN PHASE (IP) ——

QUADRATURE (Q) - - - -



Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

HLEM PROFILES
14080 Hz
DUB GRID

#5

Scale 1:2500 Project No: 96397 Figure 30-3

LLOYD GEOPHYSICS INC.

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E

113200N 113100N 113000N 112900N 112800N 112700N 112600N 112500N 112400N 112300N 112200N 112100N 112000N 111900N 111800N 111700N 111600N 111500N 111400N 111300N 111200N 111100N 111000N 110900N

L 113100 N L 113050 N L 113000 N L 112950 N L 112900 N L 112850 N L 112800 N L 112750 N L 112700 N L 112650 N L 112600 N L 112550 N L 112500 N L 112450 N L 112400 N L 112350 N L 112300 N L 112250 N L 112200 N L 112150 N L 112100 N L 112050 N L 112000 N L 111950 N L 111900 N L 111850 N L 111800 N L 111750 N L 111700 N L 111650 N L 111600 N L 111550 N L 111500 N L 111450 N L 111400 N L 111350 N L 111300 N L 111250 N L 111200 N L 111150 N L 111100 N L 111050 N L 111000 N

CONDUCTORS

GOOD

FAIR

POOR

MAGNETIC HIGH

MAGNETIC LOW

093569

Scale 1:2500

50 0 50 100 150 200 (meters)

COLUMBIA GOLD MINES LTD.

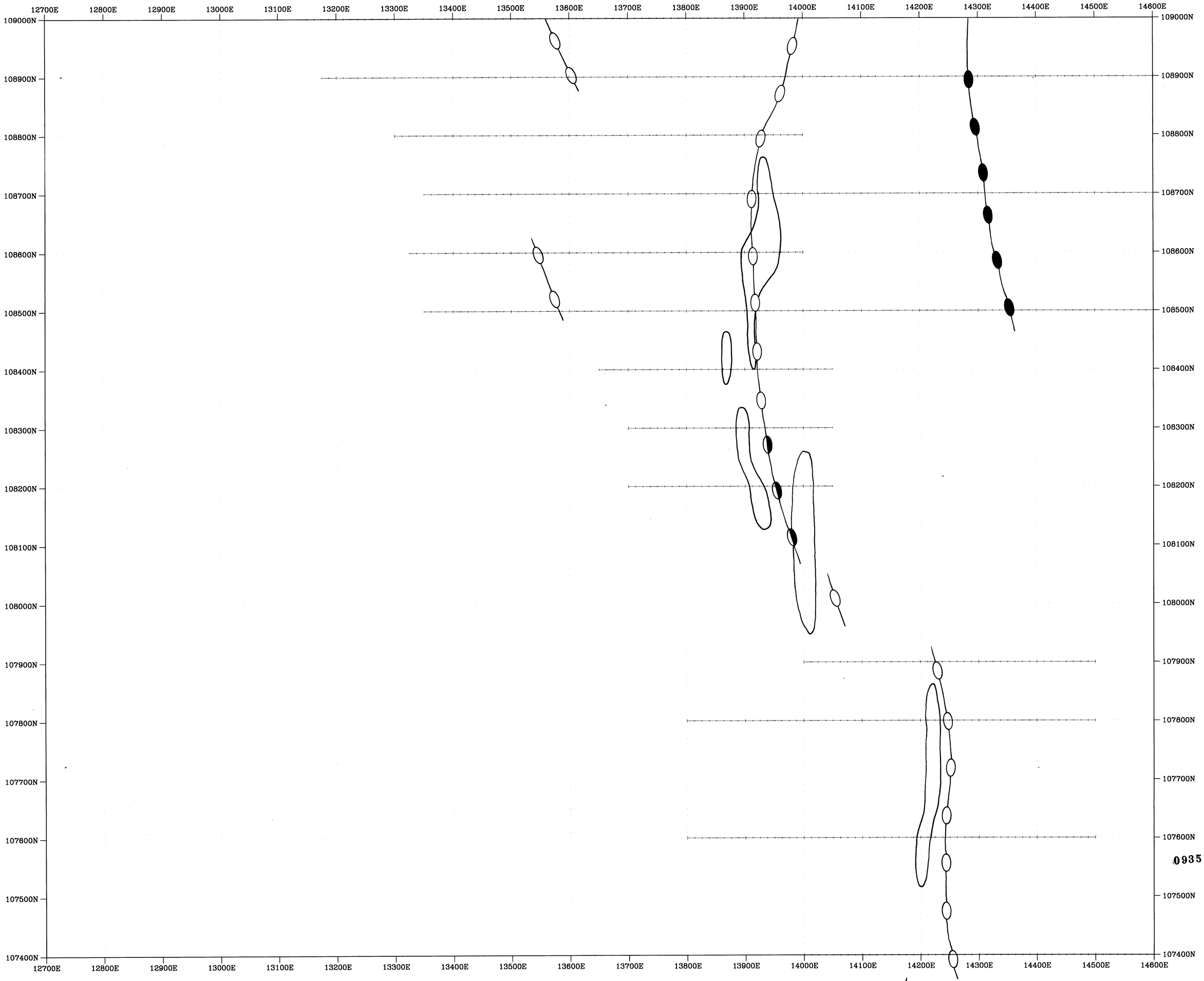
FYRE LAKE PROJECT
YUKON TERRITORY

GEOPHYSICAL COMPILATION

KONA GRID #6

Scale 1:2500 Figure 31

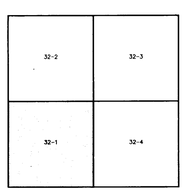
JOINS MAP 32-2



JOINS MAP 32-4

093569

LAKE GRID MAP SHEETS



LEGEND

CONDUCTORS

GOOD

FAIR

POOR

MAGNETIC HIGH

MAGNETIC LOW

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

GEOPHYSICAL COMPILATION

LAKE GRID #1

Scale 1:2500 Project No: 96397 Figure 32-1

LLOYD GEOPHYSICS INC.

12700E 12800E 12900E 13000E 13100E 13200E 13300E 13400E 13500E 13600E 13700E 13800E 13900E 14000E 14100E 14200E 14300E 14400E 14500E 14600E

110600N 110500N 110400N 110300N 110200N 110100N 110000N 109900N 109800N 109700N 109600N 109500N 109400N 109300N 109200N 109100N 109000N

JOINS MAP 32-3

093569

JOINS MAP 32-1

LAKE GRID MAP SHEETS



LEGEND

CONDUCTORS

GOOD

FAIR

POOR

MAGNETIC HIGH

MAGNETIC LOW

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

GEOPHYSICAL COMPILATION

LAKE GRID #8

Scale 1:2500 Project No: 96397 Figure 32-2

LLOYD GEOPHYSICS INC.

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E 16400E 16500E

110600N 110500N 110400N 110300N 110200N 110100N 110000N 109900N 109800N 109700N 109600N 109500N 109400N 109300N 109200N 109100N 109000N

JOINS MAP 32-2

JOINS MAP 32-4

LAKE GRID MAP SHEETS

32-2 | 32-3
32-1 | 32-4

LEGEND

CONDUCTORS

GOOD
FAIR
POOR

MAGNETIC HIGH
MAGNETIC LOW

Scale 1:2500

50 0 50 100 150 200
(meters)

093569

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

GEOPHYSICAL COMPILATION

LAKE GRID #9

Scale 1:2500 Project No: 96397 Figure 32-3

LLOYD GEOPHYSICS INC.

JOINS MAP 32-3

JOINS MAP 32-1

14600E 14700E 14800E 14900E 15000E 15100E 15200E 15300E 15400E 15500E 15600E 15700E 15800E 15900E 16000E 16100E 16200E 16300E 16400E 16500E

109000N 108900N 108800N 108700N 108600N 108500N 108400N 108300N 108200N 108100N 108000N 107900N 107800N 107700N 107600N 107500N 107400N

093569

LAKE GRID MAP SHEETS

32-2 | 32-3
32-1 | 32-4

LEGEND

CONDUCTORS

GOOD
FAIR
POOR

MAGNETIC HIGH
MAGNETIC LOW

Scale 1:2500

50 0 50 100 150 200
(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

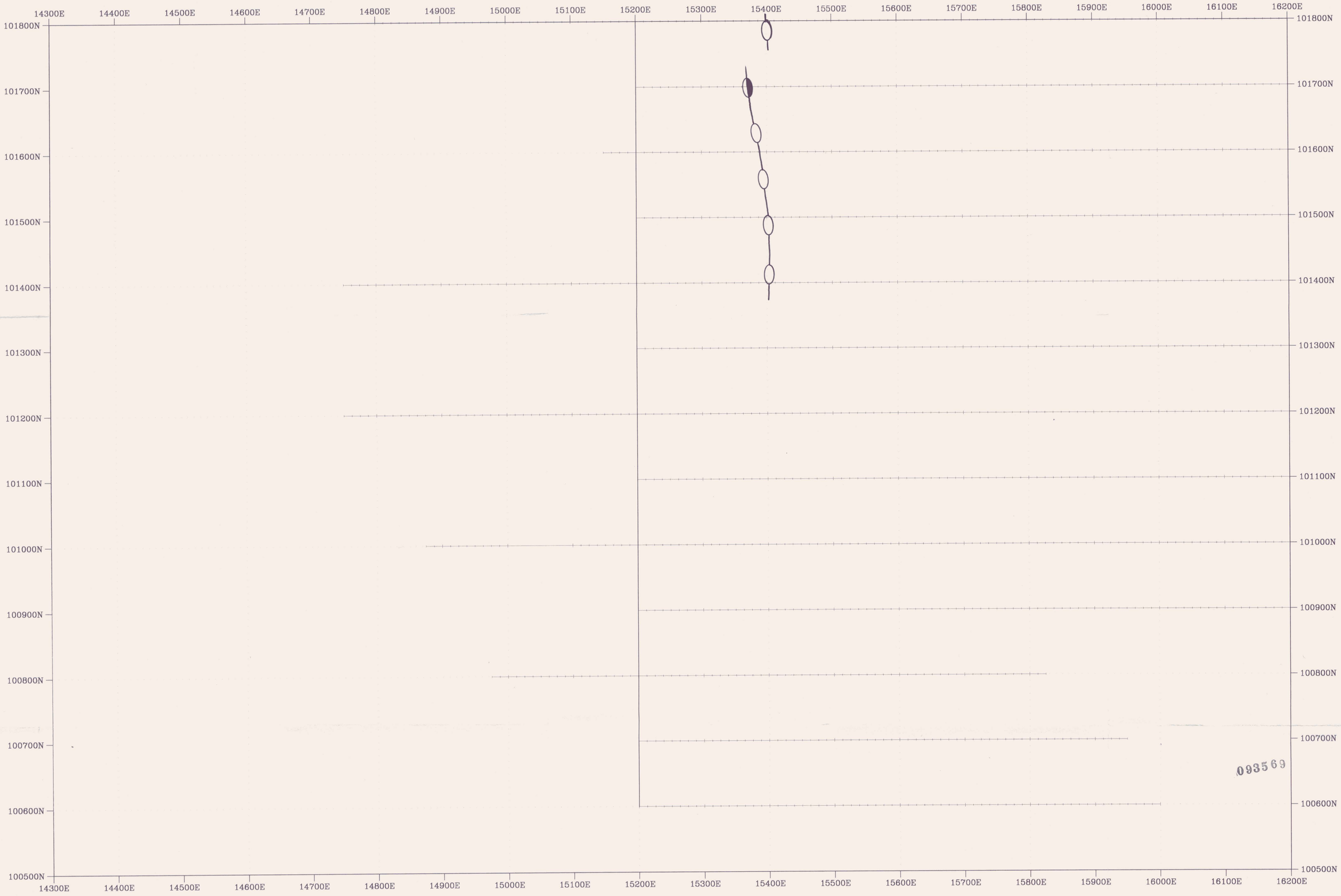
GEOPHYSICAL COMPILATION

LAKE GRID #1

Scale 1:2500 Project No: 96397 Figure 32-4

LLOYD GEOPHYSICS INC.

JOINS MAP 33-2



093569

33-3
33-2
33-1

DUB GRID MAP SHEETS

LEGEND

CONDUCTORS

GOOD
FAIR
POOR

MAGNETIC HIGH
MAGNETIC LOW

Scale 1:2500
50 0 50 100 150 200
(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

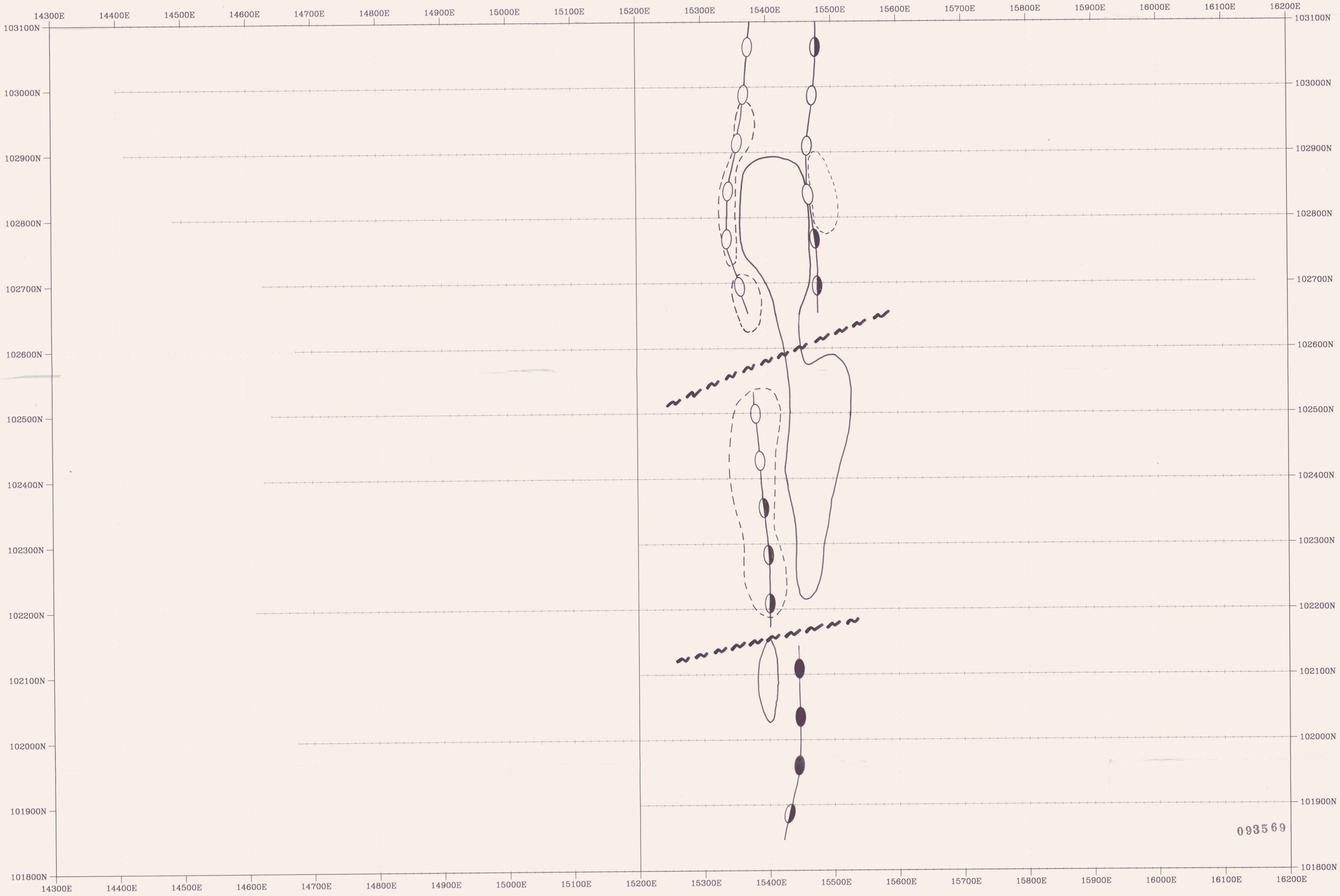
GEOPHYSICAL COMPILATION

DUB GRID #2

Scale 1:2500 Project No: 96397 Figure 33-1

LLOYD GEOPHYSICS INC.

JOINS MAP 33-3



093569

JOINS MAP 33-1

33-3
33-2
33-1

DUB GRID MAP SHEETS

LEGEND

CONDUCTORS

GOOD
FAIR
POOR

MAGNETIC HIGH
MAGNETIC LOW

Scale 1:2500
50 0 50 100 150 200
(meters)

COLUMBIA GOLD MINES LTD.

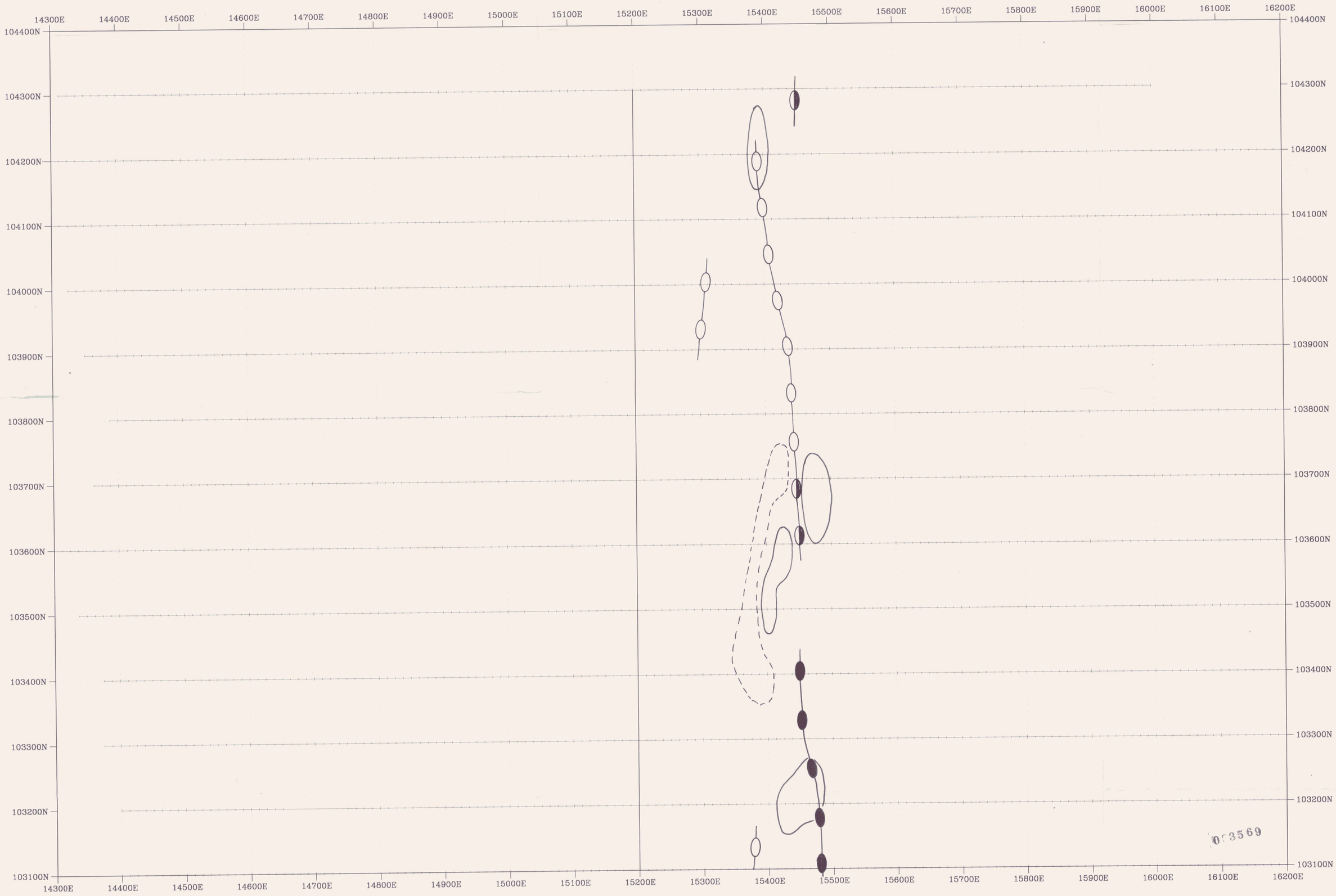
FYRE LAKE PROJECT
YUKON TERRITORY

GEOPHYSICAL COMPILATION

DUB GRID #3

Scale 1:2500 Project No: 96397 Figure 33-2

LLOYD GEOPHYSICS INC.



JOINS MAP 33-2

33-3
33-2
33-1

DUB GRID MAP SHEETS

LEGEND

CONDUCTORS

GOOD

FAIR

POOR

MAGNETIC HIGH

MAGNETIC LOW

Scale 1:2500

50 0 50 100 150 200

(meters)

COLUMBIA GOLD MINES LTD.

FYRE LAKE PROJECT
YUKON TERRITORY

GEOPHYSICAL COMPILATION

DUB GRID #4

Scale 1:2500 Project No: 96397 Figure 33-3

LLOYD GEOPHYSICS INC.

093569